TOWN OF CUTLER BAY

DEPARTMENT OF PUBLIC WORKS
INVITATION TO BID
ITB No. 25-04

SAGA BAY DRAINAGE IMPROVEMENTS PROJECT

BID DUE DATE & TIME
Tuesday, March 17, 2026 at 3:00 PM

MANDATORY "PRE-BID" MEETING DATE & TIME
Wednesday, February 18, 2026 at 10:00 AM

TOWN OF CUTLER BAY
ITB No. 25-04
SAGA BAY DRAINAGE IMPROVEMENTS PROJECT

TABLE OF CONTENTS

SECTION	TITLE	PAGE(S)
	Advertisement for Bids	4
00200	Instructions to Bidders	5-14
00300	Proposal	15-36
00350	Contractor's Questionnaire/Qualification Statement	37-39
00410	Bid Bond	40-42
00500	Contract for Construction	43-65
00600	E-Verify Affidavit	66
00605	Affidavits-Noncoercive Conduct and Foreign Countries of Concern	67-68
00610	Performance Bond	69-72
00620	Payment Bond	73-76
00650	Certificate of Insurance	77-79
00660	Acknowledgment of Conformance with OSHA Standards.	80
00665	Trench Safety Act Compliance	81
00700	Addendum	82

DIVISION 1 GENERAL REQUIREMENTS

00800	Special Conditions	83-88
00900	Summary of Work	89
01000	Measurement and Payment	90
01010	Submittals and Substitutions	91-94
01025	Maintenance of Traffic	95-96
01340	Product Handling	97-98

DIVISION 2 SITE WORK

01550 Subsurface Investigation……99

01640 Site Work……100

02010 Shoring and Bracing of Excavations……..101-102

02020 Earthwork for Utility Structures…….....103-110

02151 Trenching, Bedding, And Backfill for Pipe..... 111-117

02201 Excavation Below Normal Grade & Gravel Refill 118-119

02221 Paving & Resurfacing 120-123

02223 Thermoplastic Traffic Stripes and Markings 124-129

DIVISION 3 CONCRETE

02576 Cast-In-Place Concrete, Sidewalks, Curbs, Curb & Gutter, Crosswalks and Miscellaneous Concrete 130-138

APPENDICES

APPENDIX A Supplemental Technical Specification……...139-152

APPENDIX B Survey……153-185

APPENDIX C Project Plans (Saga Bay North-Phase I)……186-218

APPENDIX D Project Plans (Saga Bay West-Phase II)……....219-287

APPENDIX E Project Plans (Saga Bay East-Phase III) ……...288-329

TOWN OF CUTLER BAY
ITB No. 25-04
SAGA BAY DRAINAGE IMPROVEMENTS PROJECT
ADVERTISEMENT FOR BIDS

The Town of Cutler Bay is requesting bids from qualified bidders to provide construction services for drainage improvements for the **SAGA BAY DRAINAGE IMPROVEMENTS PROJECT** as per plans and specifications. Interested bidders should visit the Town's website at **www.cutlerbay-fl.gov** or DemandStar to obtain the Invitation to Bid package. Packages may also be picked up normal business hours at the office of the Town Clerk, Mauricio Melinu, CMC located at:

Town of Cutler Bay
10720 Caribbean Blvd., Suite 105
Cutler Bay, FL 33189

Bids must be submitted no later than Tuesday, March 17, 2026, by 3:00 PM by one of the following methods (**not both**):

Electronic Submission	Electronic responses can be submitted via DemandStar at https://network.demandstar.com/
In-Person	Bids must include one (1) original and three (3) bound paper copies of the submittal, and one (1) USB flash drive completely duplicating the original proposal of the submittal. Responses to the bid must be received by **Mauricio Melinu, CMC, Town Clerk at Town Hall, 10720 Caribbean Blvd, Ste 105, Cutler Bay, FL. 33189**. All submittals must be sealed and clearly marked on the outside "ITB No. 25-04 Saga Bay Drainage Improvements".

A MANDATORY (virtual and in-person) Pre-Bid meeting will be held on Wednesday, February 18, 2026, at 10:00 AM in the Town Hall Council Chambers, 10720 Caribbean Blvd., Cutler Bay, Florida 33189. If attending virtually, the meeting will be available using Zoom communications media technology platform. **Registration is required.** To register in advance, please visit:
https://us06web.zoom.us/webinar/register/WN_4d3S4BCyQSWZ1dwtbO7odQ

Bids will be publicly opened and read on Tuesday, March 17, 2026, at 3:00 PM in the Town Hall Council Chambers, 10720 Caribbean Blvd, Ste. 115, Cutler Bay, Florida, 33189. If attending virtually, the meeting will be available via Zoom communication media technology platform. Registration is required. To register in advance please visit:
https://us06web.zoom.us/webinar/register/WN_lSViUIlfQoe5eVxhHar0cg

Late Submittals and facsimile submissions will not be considered. The proposer shall bear all costs associated with the preparation and submission of the proposal.

Pursuant to Town Code Chapter 24, Article II, Section 24-228 of the Town Charter, public notice is hereby given that a "Cone of Silence" is imposed concerning the Town's competitive purchasing process, which generally prohibits communications concerning the ITB from the time of advertisement of the ITB until such time as the Town Manager makes a written recommendation to the Town Council concerning the competitive purchase transaction. Please see the detailed specifications for the public solicitation for services for a statement fully disclosing the requirements of the "Cone of Silence".

Pursuant to Section 4-19 of the Town Code; Section 7.6 of the Town Charter, vendors of the Town are required to disclose any campaign contributions to the Town Clerk, and each vendor must do so prior to and as a condition of the award of any Town contract to the vendor. Please see the detailed specifications of this solicitation for further details.

Women/Minority Owned and Emerging Small Businesses are invited to submit bids on this project.

The Town of Cutler Bay reserves the right to accept or reject any and/or all bids or parts of bid.

Rafael G. Casals, ICMA-CM, CFM
Town Manager

SECTION 00200

INSTRUCTIONS TO BIDDERS
ITB No. 25-04
SAGA BAY DRAINAGE IMPROVEMENTS PROJECT

1. SEALED BIDS

Sealed bids for furnishing all goods and services necessary to complete the Work specified in these documents shall be received no later than:

Date: **Tuesday, March 17, 2025**

Time: **3:00 PM**

Place: **Town Hall**
10720 Caribbean Blvd., Suite 105
Cutler Bay, Florida 33189

2. SCHEDULE OF EVENTS

No.	Event	Date*	Time* (EST)
1	Advertisement/Distribution of ITB & Cone of Silence Begins	January 16, 2026	9:00 AM
2	**Mandatory Pre-Bid Meeting (virtual and in-person)** 10720 Caribbean Blvd., Suite 115 Cutler Bay, Florida 33189	February 18, 2026	10:00 AM
3	Deadline to Submit Questions	February 25, 2026	1:00 PM
4	Deadline for Town to Provide Responses to Questions	March 6, 2026	5:00 PM
5	**Deadline to Submit Bid-Response**	March 17, 2026	3:00 PM
6	Evaluation of Bid Responses	March 18, 2026 through April 1, 2026	8:00 AM through 5:00 PM
7	Announcement of Selected Contractors/Cone of Silence Ends	April 15, 2026	6:00 PM

*The Town reserves the right to change the scheduled dates and time.

3. DEFINITION OF TERMS

Certain terms used in these documents are defined as follows:

Bid\Proposal	The bid documents submitted by the Bidder.
Bidder/Proposer	Any person, firm or corporation submitting a proposal for the Work covered by these specifications or his duly authorized representative.
Contract	The Contract for Construction to be executed by Contractor and Town for the Work.
Contractor	The person, firm, or corporation with whom the Town has executed a contract for the Work.
Days	Shall refer to calendar days.
Responsible Bidder	In order to be considered a "responsible" bidder, the Bidder must possess integrity as well as adequate equipment and personnel to do the Work within the time limits that are established and adequate financial status to meet the obligations to perform the Work. The firm must not have defaulted on a prior contract or been disbarred by any agency.
Responsive Bidder	Any person, firm or corporation submitting a Bid for the Work whose Bid form is complete and includes all required attachments and enclosures, free from exclusions or special conditions and has no alternative Bids for any items, unless alternatives are requested in the specifications.
Town	The Town Council of the Town of Cutler Bay or the Town Manager, if applicable.
Town Engineer	The Town's general engineering consultant and project manager for this contract.
Work	The services required by the Contract Documents, including labor and materials.

4. DELIVERY OF BIDS

All Bids, whether mailed or delivered in person, shall be submitted in a SEALED ENVELOPE (One (1) Original / Three (3) copies / One (1) readable/reproducible flash drive containing all documents) bearing on the outside the following project information as well as the name of the Bidder and his address clearly marked:

SAGA BAY DRAINAGE IMPROVEMENTS PROJECT

Addressed to:

Town of Cutler Bay
Attn: Mauricio Melinu, CMC Town Clerk
10720 Caribbean Blvd., Suite 105
Cutler Bay, Florida 33189

Bids may also be submitted electronically via DemandStar.

All Bids must be received by the Town no later than **Tuesday, March 17, 2026, at 3:00 PM**

5. BID GUARANTY

A certified or cashier's check drawn on a national or state bank, or bid bond, in the amount of **five percent (5%)** of the bid, shall accompany each bid as a guarantee that the Bidder will, if award is made, execute an Agreement to do the Work for the amount proposed and furnish any required certificates of insurance and bond documents. The bid bond shall be from a surety with an A-rating or better under Best's Guidelines, made payable to: The Town of Cutler Bay.

6. BID FORMS

The Bidder shall submit an original Bid on the bid forms attached to this Invitation to Bid, The Bidder shall fill in all the blank spaces completely for each and every unit item for which a Bid is tendered. The Bidder shall state the price, typewritten or in ink, for which he proposes to do each item of Work. The Bid shall include: 1) Agreement/Contract; 2) Bid Forms; 3) Certificate or Evidence of Insurance; 4) Bid Guarantee; 5) Qualifications Statement; 6) Sworn Statement on Public Entity Crime Form; 7) Addenda acknowledgement, if applicable; 8) Anti-Kickback Affidavit; 9) Non-Collusive Affidavit; 10) Certification Regarding Debarment, Suspension and other Responsibility Matters; 11) Buy American Certificate of Compliance; 12) Certification Regarding Lobbying; 13) Contractor's Questionnaire; 14) Drug Free Workplace form; and 15) a Corporate Resolution evidencing authorization to submit Bid, if applicable.

7. SIGNATURE ON BID

The Bidder shall sign the Bid as follows: If the Bid is made by an individual, the Bidder's name and address shall be shown. If made by a firm or partnership, the name and address of each member of the firm or partnership shall be shown. If made by a corporation, the person signing the Bid shall show the name of the state under the laws of which the corporation is chartered, also the names and business addresses of its corporate officers. The Bid shall bear the seal of the corporation attested by the secretary. Anyone signing the Bid as agent shall include in the Bid legal evidence of his/her authority to do so.

8. AWARD OF CONTRACT

The award of the Contract will be to the lowest responsive and responsible bidder; whose qualifications indicate the Award will be in the best interest of the Town and whose bid complies with the requirements of these specifications. In no case will the Award be made until all necessary investigations have been made into the responsibility of the bidder(s) and the Town Manager is satisfied that the bidder is qualified to do the work and have the necessary organization, capital, and equipment to carry out the work in the specified timeframes. In evaluating responsibility, the Town may also consider previous contracts with the Town, past performance and experience with other contracts, compatibility of the project team with Town personnel, and any other criteria deemed relevant by the Town.

If the Town accepts a bid, the Town will provide a written notice of award to the lowest responsive and responsible bidder, who meets the requirements of section 1.10.1. If the successful bidder to whom the Contractor is awarded forfeits the Award by failing to meet the conditions of this Invitation to Bid, the Town may, at the Town's sole option, award the agreement to the next lowest Responsive and Responsible bidder or reject all bids orre-advertise the Work.

The Town, at its sole discretion, may consider the lowest and responsive bidder as the bidder who has the lowest bid amount for: SAGA BAY DRAINAGE IMPROVEMENTS PROJECT.

9. COST OF BIDS

All expenses involved with the preparation and submission of Bids to the Town or any work performed in connection therewith, shall be borne by the Bidder(s). No payment shall be made for any responses received, nor for any other effort required of or made by the Bidder(s) prior to commencement of work as defined by the Agreement duly approved by the Town Council.

10. QUALIFICATION OF BIDDERS

Each Bidder shall submit a completed Qualification Statement utilizing the form attached.

11. RIGHT TO REJECT BIDS

The Town of Cutler Bay reserves the right to accept or reject any and/or all Bids to workshop or negotiate any and all Bids, to waive irregularities, and to request re-Bids on the required materials or services.

12. RETURN OF THE BID GUARANTY

All Bid Guarantees of unsuccessful Bidders will be returned after the Agreement is awarded and executed.

13. EXECUTION OF CONTRACT

The successful Bidder(s) shall, within ten (10) days of receipt of a written notice of the Award of the Agreement, deliver to the Town a fully executed Agreement and all requested certificates of insurance and bonds.

14. FORFEITURE OF BID GUARANTY FOR FAILURE TO EXECUTE CONTRACT

The failure of the successful Bidder(s) to execute an Agreement and submit required insurance certificates and bonds will result in forfeit of the Award. Each Bidder agrees in advance that the Town will sustain certain damages too difficult to accurately ascertain. Accordingly, if the Award is forfeited under this Section, the amount of the Bid Guaranty of the forfeiting Bidder will be retained by the Town, not as forfeiture or a penalty, but as liquidated damages.

15. TIME AND AWARD

The Bidder agrees to abide by the overall and unit prices quoted in the Bid for up to ninety (90) days from the date of bid opening to allow for the Town to review, award, and execute the Agreement.

16. INTERPRETATION AND CLARIFICATION

All questions about the meaning or intent of the Bid Documents and specifications shall be directed in writing to the Town Clerk's Office, Mauricio Melinu, CMC at 10720 Caribbean Blvd., Suite No. 105, Cutler Bay, Florida 33189 or e-mail: MMelinu@cutlerbay-fl.gov. All correspondences whether in writing or through e-mail must be titled: "**SAGA BAY DRAINAGE IMPROVEMENTS PROJECT**". Interpretation or clarifications considered necessary by the Town in response to such questions will be issued by means of addenda electronically mailed or delivered to all parties that are on record with the Town Clerk as having requested and received the Bid Documents. Provided however that it is each Bidder's sole responsibility to be informed of any changes to the Invitation to Bid in the form of written addenda and the Town shall not be responsible for any Bidder's failure to receive same. The Town has the right to rely on all Bids received and the submittal of a Bid shall represent the Bidder's acknowledgement that he has read and understood the Invitation to Bid and any addenda thereto. Written questions must be received by **Wednesday, February 25, 2026, at 1:00 PM**. Only questions answered by written addenda shall be binding. Oral and other interpretations or clarifications shall be without legal effect.

17. BID MODIFICATIONS

No modifications shall be submitted by Bidder or accepted by the Town.

18. WITHDRAWAL OF A BID

A Bidder may withdraw his Bid at any date and time prior to the time the Bids are scheduled to be opened. Notice of withdrawal should be made in writing to the Town Clerk's Office, Mauricio Melinu, CMC at 10720 Caribbean Blvd., Suite No. 105, Cutler Bay, Florida 33189.

19. OPENING OF BIDS

Bids will be publicly opened and read aloud at the appointed time and place stated in the Invitation to Bid/Request for Proposals. Late Bids will not be considered. No responsibility will be attached to any Town Staff for the premature opening of a Bid not properly addressed and identified. Bidders or their authorized agents are invited to be present at the bid opening. If attending virtually, the meeting will be available using Zoom communications media technology platform. Registration is required. To register in advance please visit:
https://us06web.zoom.us/webinar/register/WN_lSViUIlfQoe5eVxhHar0cg

20. PUBLIC ENTITY CRIMES ACT

In accordance with the Public Entity Crimes Act, (Section 287.133, Florida Statutes) a person or affiliate who is a contractor, who had been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid on a contract to provide any goods or services to the Town, may not submit a bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit bids on leases or real property to the Town, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with the Town in excess of the threshold amount provided in Section 287.917, Florida Statutes, for Category Two for a period of 36 months form the date of being placed on the convicted vendor list. Violation of this section by the Contractor shall result in rejection of the Bid, termination of the contract, and may cause Contractor debarment.

21. TOWN LICENSES, PERMITS AND FEES

In accordance with the Public Bid Disclosure Act, 218.80, Florida Statutes, each license, permit, or fee a Contractor will have to pay the Town before or during the Work or the percentage method or unit method of all licenses, permits and fees required by the Town and payable to the Town by virtue of the Work as part of the Agreement are as follows:

21.1 Contractor shall have and maintain during the term of the Agreement all appropriate Town licenses, and fees for which shall be paid in full in accordance with the Town's Fee structure for such licenses. THERE WILL NOT BE ANY PERCENTAGE REDUCTION OR WAIVING OF TOWN LICENSE FEES.

21.2 During the performance of the Agreement there may be times when the Contractor will be required to obtain a Town permit for the Work. It is the responsibility of the Contractor to ensure that he or she has the appropriate Town permits to perform such Work as may become necessary during the performance of the Agreement. Any fees related to Town required permits in connection with the Agreement will be the responsibility of the Contractor and will not be reimbursed by the Town. Licenses, permits, and fees that may be required by County, State or Federal entities are not included in the above list.

22. INSURANCE

The Bidder shall be required to provide and maintain insurance coverage of such types and amounts as specified in Section 6 of the Agreement. The Bidder shall include with his or her Bid either Certificates of Insurance evidencing same or documentation from his or her insurer evidencing the insurability of the Bidder to meet the insurance requirements.

23. BONDS

A Performance and a Payment shall be required in connection with this contract.

24. FAMILIARITY WITH LAWS

The Bidder is assumed to be familiar with all applicable Federal, State, and local laws, ordinances, rules, and regulations that may in any manner affect the Work.

25. EXAMINATION OF BIDDER'S FACILITIES

The Town, as part of its evaluation, may perform an examination of the Bidder's facilities. The Town Manager or designee, as part of the evaluation, may perform this examination.

The term facilities as used in this solicitation shall include, but shall not be limited to, all properties operated by the Bidder, all equipment used in the performance of business by the Bidder, and/or any other evidence, tangible or intangible, that the Town may deem necessary to substantiate the technical and other qualifications, and the abilities of the Bidder to perform the Work.

The examination shall include, but shall not be limited to, appearance and cleanliness of facilities, appearance, and cleanliness of equipment, "road worthiness" of vehicles, appearance, and visibility of all signage on vehicles, and possession and distribution of mandatory equipment. Vehicles shall be examined for compliance with State of Florida Statutes, as well as applicable County and Town Ordinances. Additionally, examinations may include verification of some of the (physical) minimum requirements for Bidders. Additionally, the Town reserves the right to perform such examinations on the successful Bidder as often as it deems necessary, to ensure proper performance of the proposed Agreement.

26. ALLOWANCES

Included in the contract sum is an allocation account for unforeseen conditions, potential construction changes and quantity adjustments, and additional work or materials that the Town may deem necessary if ordered and authorized by the Town in accordance with the Contract Documents.

27. CAMPAIGN FINANCE RESTRICTIONS ON VENDORS

Pursuant to Town Code Chapter 24, Article II, Section 24-228 of the Town Charter, vendors of the Town are required to disclose any campaign contributions to the Town Clerk, and each vendor must do so prior to and as a condition of the award of any Town contract to the vendor.

Vendors' Campaign Contribution Disclosure:

1. General requirements:

   A) Any vendor required to disclose campaign contributions pursuant to the Charter of the Town of Cutler Bay, as may be amended, shall file a written disclosure with the Town Clerk, stating all contributions made that were accepted by an elected official of the Town, the official to whom they were made and the date they were made. The Town Clerk may develop a form to be used by vendors for such disclosure.

   B) The disclosure shall be filed prior to and as a condition of the award of any Town contract to the Vendor.

   C) The Town Clerk shall inform the Council of any disclosures which were made in relation to any items before the Council prior to the hearing on the item or prior to the award of the contract.

   D) If an existing vendor makes a contribution the vendor must report the same to the clerk within ten days of its acceptance or prior to being awarded any additional contract or renewal, whichever occurs first.

E) The Town Clerk shall file a quarterly report with the Council, which lists all the vendor disclosures in the quarter.

2. Disqualification:

A) As per Section 7.6 of the Town Charter, if a Vendor of products or services who directly or through a member of the person's immediate family or through a political action committee or through any other person makes a campaign contribution to a Town candidate and fails to disclose it then he/she/it shall be barred from selling any product or service to the town for a period of two years following the swearing in of the subject elected official.

28. CONE OF SILENCE

Notwithstanding any other provision of these specifications, the provisions of Town "Cone of Silence" are applicable to this transaction. The entirety of these provisions can be found in the Town Code Chapter 24, Article II, Section 24-228 of the Town Charter. The "Cone of Silence," as used herein, means a prohibition on any communication regarding a particular Request for Proposal ("RFP"), Request for Qualification ("RFQ") or bid, between:

1. A potential vendor, service provider, proposer, bidder, lobbyist, or consultant; and

2. The Town Council, Town's professional staff including, but not limited to, the Town Manager and his or her staff, any member of the Town's selection or evaluation committee.

The Cone of Silence shall be imposed upon each RFQ, RFP and bid after the advertisement of said RFQ, RFP, or bid. The Cone of Silence shall terminate at the beginning of the Town Council meeting at which time the Town Manager makes his or her written recommendation to the Town Council. However, if the Town Council refers the Manager's recommendation back to the Manager or staff for further review, the Cone of Silence shall be re-imposed until such time as the Manager makes a subsequent written recommendation.

The Cone of Silence shall not apply to:

a. Oral communications at pre-bid conferences;

b. Oral presentations before selection or evaluation committees;

c. Public presentations made to the Town Council during any duly noticed public meeting;

d. Communication in writing at any time with any Town employee, unless specifically prohibited by the applicable RFQ, RFP or bid documents. The bidder or proposer shall file a copy of any written communication with the Town Clerk. The Town Clerk shall make copies available to any person upon request;

e. Communications regarding a particular RFQ, RFP or bid between a potential vendor, service provider, proposer, bidder, lobbyist or consultant and the Town's Purchasing Agent or Town employee designated responsible for administering the procurement process for such RFQ, RFP or bid, provided the communication is limited strictly to matters of process or procedure already contained in the corresponding solicitation document;

f. Communications with the Town Attorney and his or her staff;

g. Duly noticed site visits to determine the competency of bidders regarding a particular bid during the time period between the opening of bids and the time the Town Manager makes his or her written recommendation;

h. Any emergency procurement of goods or services pursuant to Town Code;

i. Responses to the Town's request for clarification or additional information;

j. Communications to enable Town staff to seek and obtain industry comment or perform market research, provided all communications related thereto between a potential vendor, service provider, proposer, bidder, lobbyist, or consultant and any member of the Town's professional staff including, but not limited to, the Town Manager and his or her staff are in writing or are made at a duly noticed public meeting.

Please contact the Town Attorney for any questions concerning Cone of Silence compliance. Violation of the Cone of Silence by a particular bidder or proposer shall render any RFQ award, RFP award or bid award to said bidder or proposer voidable by the Town Council and/or Town Manager.

29. LOBBYIST REGISTRATION

Proposers must also comply with all Town Charter sections and Code provisions that pertain to lobbyists, including Section 7.6 of the Town Charter and implementing ordinance(s), including Sec. 2-11(s) of the Town Code and Ordinance 07-02. Please contact the Town Clerk at (305) 234-4262 for additional information.

30. PROTEST PROCEDURES

With respect to a protest of the terms, conditions, and specifications contained in a solicitation (RFP, RFQ, or Bid), including any provisions governing the methods for ranking bids, proposals, or replies, awarding contracts, reserving rights of further negotiation, or modifying or amending any contract, the notice of protest shall be filed pursuant to Town Code Chapter 24, Article II Division 8 Section 24-199.

31. PUBLIC RECORDS LAW

1. Contractor agrees to keep and maintain public records in CONTRACTOR's possession or control in connection with CONTRACTOR's performance under this Agreement. CONTRACTOR additionally agrees to comply specifically with the provisions of Section 119.0701, Florida Statutes. CONTRACTOR shall ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed, except as authorized by law, for the duration of the Agreement, and following completion of the Agreement until the records are transferred to the TOWN.

2. Upon request from the TOWN's custodian of public records, CONTRACTOR shall provide the TOWN with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided by Chapter 119, Florida Statutes, or as otherwise provided by law.

3. Unless otherwise provided by law, any and all records, including but not limited to reports, surveys, and other data and documents provided or created in connection with this Agreement are and shall remain the property of the TOWN.

4. Upon completion of this Agreement or in the event of termination by either party, any and all public records relating to the Agreement in the possession of the CONTRACTOR shall be delivered by the CONTRACTOR to the TOWN MANAGER, at no cost to the TOWN, within seven (7) days. All such records stored electronically by CONTRACTOR shall be delivered to the TOWN in a format that is compatible with the TOWN's information technology systems. Once the public records have been delivered upon completion or termination of this Agreement, the CONTRACTOR shall destroy any and all duplicate public records that are exempt or confidential and exempt from public records disclosure requirements.

5. Any compensation due to CONTRACTOR shall be withheld until all records are received as provided herein.

6. CONTRACTOR's failure or refusal to comply with the provisions of this section shall result in the immediate termination of this Agreement by the TOWN.

Section 119.0701(2)(a), Florida Statutes

IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS.

Custodian of Records:	**Mauricio Melinu, CMC** **Town Clerk**
Mailing address:	**10720 Caribbean Boulevard** **Suite 105** **Cutler Bay, FL 33189**
Telephone number:	**(305) 234-4262**
Email:	MMelinu@cutlerbay-fl.gov

[END OF SECTION]

SECTION 00300

PROPOSAL
ITB No. 25-04
SAGA BAY DRAINAGE IMPROVEMENTS PROJECT

Town Clerk's Office
Town of Cutler Bay
10720 Caribbean Boulevard
Suite 105
Cutler Bay, Florida 33189

The undersigned, as Bidder, hereby declares that the only person or persons interested in the Proposal, as principal or principals, is or are named herein and that no other person than herein mentioned has any interest in the Proposal of the Contract to which the work pertains; that this Proposal is made without connection or arrangement with any other person, company, or parties making a bid or proposal and that the Proposal is in all respects fair and made in good faith without collusion or fraud.

The Bidder certifies that the bidder is not a nonresident alien, or a foreign corporation/entity formed under the laws of a country other than the United States.

The Bidder further declares that he has examined the site of the work and that from personal knowledge and experience, or that he has made sufficient observations of the conditions of the proposed Project Site to satisfy himself that such site is a correct and suitable one for this work and he assumes full responsibility therefore, that he has examined the Drawings and Specifications for the work and from his own experience or from professional advice that the Drawings, including bid item quantities, and Specifications are sufficient for the work to be done and he has examined the other Contractual Documents relating thereto, including the Notice of Bid Invitation, Instructions to Bidders, Proposal, Contract, Special Conditions, Technical Specifications, Drawings and has read all addenda prior to the receipt of bids, and that he has satisfied himself fully, relative to all matters and conditions with respect to the work to which this Proposal pertains.

The Bidder proposes and agrees, if this Proposal is accepted, to contract with the Town of Cutler Bay (Owner), in the form of contract specified, to furnish all necessary materials, all equipment, all necessary machinery, tools, apparatus, means of transportation, and labor necessary to complete the work specified in the Proposal and the Contract, and called for by the Drawings and Specifications and in the manner specified.

NOTE: THIS SCHEDULE OF BID ITEMS IS MERELY ILLUSTRATIVE OF THE MINIMUM AMOUNT/QUANTITY OF WORK TO BE PERFORMED UNDER THE CONTRACT. IN THE CASE OF ANY CONFLICT BETWEEN THIS SCHEDULE OF BID ITEMS AND THE DETAILED SPECIFICATIONS, THE DETAILED SPECIFICATIONS WILL PREVAIL.

The Bidder further proposes and agrees to comply in all respects with the time limits for commencement and completion of the work as stated in the Contract Form.

The Bidder further agrees that the deductions for liquidated damages, as stated in the Contract Form, constitute fixed, agreed, and liquidated damages to reimburse the Owner for additional costs to the Owner resulting from the work not being completed within the time limit stated in the Contract Form.

Payment Bonds each in the amount of one-hundred percent of the Contract price, within ten (10) consecutive calendar days after written notice being given by the Owner of the award of the Contract, and the undersigned agrees that in case of failure on his part to execute the said Contract and Performance and Payment Bonds within the ten (10) consecutive calendar days after the award of the Contract, the cashier's check or Bid Bond accompanying his bid and the money payable thereon shall be paid to the Owner as liquidation of damages sustained by the Owner; otherwise, the check accompanying the Proposal shall be returned to the undersigned after the Contract is signed and the Performance and Payment Bonds are filed.

Bidders Certificate of Competency No. _____

Bidders Occupational License No. _____

Acknowledgment is hereby made of the following Addenda received since issuance of the Project Manual:

Addendum No._____Dated:_____ Addendum No._____Dated:_____

Addendum No._____Dated:_____ Addendum No._____Dated:_____

Addendum No._____Dated:_____ Addendum No._____Dated:_____

Attached hereto is a cashier's check on the _____

_____Bank of _____

_____or Bid Bond for the sum of _____

_____Dollars

($_____), made payable to the Town of Cutler Bay, Florida.

_____L.S.
(Name of Bidder) (Affix Seal)

_____L.S.
Signature of Officer

_____L.S.
(Title of Officer)

Address: _____

City: _____ State: _____

The full names and residences of persons and firms interested in the foregoing bid, as principals, are as follows:

_____

_____

_____

Name of the executive who will give personal attention to the work:

_____

_____

LIST OF MAJOR SUB-CONTRACTORS

Bidders are required to list with the Proposal, on this sheet all major sub-contractors included for the prosecution of the work. Failure to complete the list may be cause for declaring the Proposal irregular.

The successful bidder shall employ the sub-contractors listed hereunder for the class of work indicated, which list shall not be modified in any way without the written consent of the Town of Cutler Bay.

The Bidder expressly agrees that:

1. If awarded a contract as a result of this proposal, the major sub-contractors used in the prosecution of the work will be those listed below.

2. The Bidder represents that the sub-contractors listed below are financially responsible and are qualified to do the work required.

CATEGORY OF CLASS	NAME OF SUB-CONTRACTOR	ADDRESS OF WORK

BID FORM

ITB No. 25-04
SAGA BAY DRAINAGE IMPROVEMENTS PROJECT

The following Bid Proposal is presented to assist the Town in evaluating the Bid. The Bid amounts will include all items described in the Bid Documents (detailed specifications). Payment shall be made on the basis of Work actually performed and completed.

The Base Bid Amount includes all work on: SAGA BAY DRAINAGE IMPROVEMENTS PROJECT:

BASE BID AMOUNT $ _____

BASE BID AMOUNT (IN WORDS) _____

_____

Taxpayer Identification Number: _____

BIDDER:

_____
(Company Name)

_____
(Signature of Authorized Representative)

_____
(Printed Name and Title)

_____
(Company Address)

_____
(Company Phone Number)

[SPACE LEFT INTENTIONALLY BLANK]

BID FORM
ITB No. 25-04
SAGA BAY DRAINAGE IMPROVEMENTS PROJECTS

The following Bid is presented to assist the Town in evaluating the Bid. The Total Bid Amount will include all items described in the Bid Documents. Bid unit prices stated in this proposal include all costs and expenses for labor, mobilization, emergency response, maintenance of traffic and access, equipment, materials, swale restoration, clearing and grubbing, demolition, debris removal, disposal, root pruning, preparation, compaction, restoration, temporary striping, inlet protection (Baled Hay, Straw, or Filter Fabric), contractor's overhead and profit. Unit prices for the various work items are intended to establish a total price for completing the project in its entirety. At the end of the project the contractor shall furnish as- built plans signed and sealed by a professional land surveyor to the Town of Cutler Bay. The contractor shall include in the Bid price any work item and materials for which a separate pay item has not been included in the Bid Form. All work and incidental costs shall be included for payment under the several scheduled items of the overall contract, and no separate payment will be made thereof.
Payment shall be made on the basis of Work actually performed and completed. This will be a work order type of contract providing miscellaneous roadway and drainage improvements throughout the Town on an as needed basis.

General Items (Phase I, II, III)					
Item	**Description**	**Qty**	**Unit**	**Unit Price**	**Amount**
101-1	Mobilization	1	LS	$	$
102-1	Maintenance of Traffic	1	LS	$	$
Subtotal of General Items				$	

Saga Bay- North (Phase I)					
Item	**Description**	**Qty**	**Unit**	**Unit Price**	**Amount**
104	Sediment and erosion Control and Tree Protection	1	LS	$	$
110-1-A	Clearing and Grubbing	1	LS	$	$
110-1-10	Removal of Existing Concrete (Sidewalks, Driveways, Aprons)	160	SY	$	$
327-70-1	Milling Existing Asphalt Pavement (1.0" Avg. Depth)	12,300	SY	$	$
334-1-13	Superpave Asphaltic Concrete Overlay, Traffic C, SP-9.5 (1" min)	12,800	SY	$	$
334-1	Asphalt Pavement, Superpave Asphaltic Concrete, Traffic C, SP-9.5 First Lift (2.5" min), 8" Limerock, 12" Subgrade for Aprons	80	SY	$	$
425-1-365	Inlets, Curb, FDOT Type 6 Top Only	3	EA	$	$

Saga Bay- North (Phase I) Cont.					
Item	**Description**	**Qty**	**Unit**	**Unit Price**	**Amount**
425-1-362	Inlets, Curb, FDOT Type 6, Structure and Top	2	EA	$	$
425-1-202	Inlets, Curb, FDOT Type 9, Structure and Top	1	EA	$	$
425-1-522	Inlets, Structure and Frame/Grate, MDPW Type P or J	9	EA	$	$
425-2-12	Manholes, Structure, Ring, & Cover, MDPW Type P or J	14	EA	$	$
430-830	Cap Existing Pipe in Place	5	EA	$	$
430-175-118	Pipe Culvert, Optional Material, Round, 18" Sd (HDPE)	265	LF	$	$
443-70-3	French Drain, 18"	2485	LF	$	$
522-2	Concrete (up to 6" Thick) Including Subgrade (Sidewalk, Driveway, and Apron)	130	SY	$	$
522-2-1	Concrete Sidewalk Repair (up to 6” Thick) Including Subgrade	1,300	LF	$	$
527-2	Detectable Warning	140	LF	$	$
520-1-10	Concrete Curb, Type F	90	LF	$	$
500	Site Restoration	1	LS	$	$
700	Signing And Pavement Markings	1	LS	$	$
Subtotal Saga Bay North (Phase I)				$	

Saga Bay- West (Phase II)					
Item	**Description**	**Qty**	**Unit**	**Unit Price**	**Amount**
104	Sediment and Erosion Control and Tree Protection	1	LS	$	$
110-1-A	Clearing And Grubbing	1	LS	$	$
110-4-10	Removal Of Existing Concrete (Sidewalks, Driveways, Aprons)	680	SY	$	$

Saga Bay- West (Phase II) Cont.					
Item	**Description**	**Qty**	**Unit**	**Unit Price**	**Amount**
327-70-1	Milling Existing Asphalt Pavement (1.0" Avg. Depth)	8800	SY	$	$
334-1-13	Superpave Asphaltic Concrete Overlay, Traffic C, SP-9.5 (1" min)	8900	SY	$	$
334-1	Asphalt Pavement, Superpave Asphaltic Concrete, Traffic C, SP-9.5 First Lift (2.5" min), 8” Limerock, 12” Subgrade for Aprons	30	SY	$	$
425-021	Inlets, Curb, FDOT Type 6, Structure and Top	1	EA	$	$
425-1522	Inlets, Structure and Frame/Grate, MDPW Type P or J	15	EA	$	$
425-2-12	Manholes, Structure, Ring & Cover, MDPW Type P or J	46	EA	$	$
430-175-118	Pipe Culvert, Optional Material, Round, 18" Sd (HDPE)	500	LF	$	$
443-70-3	French Drain, 18"	6,000	LF	$	$
425-11	Modify Existing Drainage Structure, Core Drill Structure	2	EA	$	$
522-2	Concrete (up to 6" Thick) Including Subgrade (Sidewalk, Driveway, And Apron)	285	SY	$	$
522-2-1	Concrete Sidewalk Repair (up to 6” Thick) Including Subgrade	1,100	LF	$	$
527-2	Detectable Warning	210	SF	$	$
526-1101	Pavers, Architectural, Remove Existing And Reinstall (Driveways)	50	SY	$	$
520-1-10	Concrete Curb, Type F	20	LF	$	$
500	Site Restoration	1	LS	$	$
700	Signing And Pavement Markings	1	LS	$	$
Subtotal Saga Bay-West (Phase II)				**$**	

Saga Bay-East (Phase III)					
Item	**Description**	**Qty**	**Unit**	**Unit Price**	**Amount**
104	Sediment and Erosion Control and Tree Protection	1	LS	$	$
110-1-A	Clearing And Grubbing	1	LS	$	$
110-4-10	Removal Of Existing Concrete (Sidewalks, Driveways, Aprons)	900	SY	$	$
327-70-1	Milling Existing Asphalt Pavement (1.0" Avg. Depth)	13,000	SY	$	$
334-1-13	Superpave Asphaltic Concrete Overlay, Traffic C, SP-9.5 (1" min)	13,500	SY	$	$
334-1	Asphalt Pavement, Superpave Asphaltic Concrete, Traffic C, SP-9.5 First Lift (2.5" min), 8” Limerock, 12” Subgrade for Aprons	90	SY	$	$
425-11	Modify Existing Drainage Structure, Core Drill Structure	8	EA	$	$
425-1522	Inlets, Structure and Frame/Grate, MDPW Type P or J	1	EA	$	$
425-2-12	Manholes, Structure, Ring & Cover, MDPW Type P or J	21	EA	$	$
430-175-118	Pipe Culvert, Optional Material, Round, 18" Sd (HDPE)	490	LF	$	$
443-70-3	French Drain, 18"	2,250	LF	$	$
522-2	Concrete (up to 6" Thick) Including Subgrade (Sidewalk, Driveway, And Apron)	300	SY	$	$
522-2-1	Concrete Sidewalk Repair (up to 6” Thick) Including Subgrade	1,500	LF	$	$
527-2	Detectable Warning	10	SY	$	$
526-1101	Pavers, Architectural, Remove Existing and Reinstall (Driveways)	30	SY	$	$
500	Site Restoration	1	LS	$	$
700	Signing And Pavement Markings	1	LS	$	$
Subtotal Saga Bay East (Phase III)				$	

Subtotals for General Items, Phase I, II and III	**$**
15% Contingency of Subtotals	**$**
Total Construction Cost	**$**

Total Construction Cost (in words): _____

_____

Bid Item Notes:

101-1	Is a lump sum pay item for all mobilization costs. Mobilization will be paid at the following rates: a. 10% of contract completion - 25% of Mobilization. b. 25% of contract completion - 50% of Mobilization. c. 50% of contract completion - 100% of Mobilization. Includes all costs associated with leasing of staging area. Includes the construction of two (2) project signs that shall be displayed at each approach to the work zone of the project area. The intent is that the signs will be freestanding. The sign shall display on both sides the project name, town logo, elected officials, engineer, and contact information. Shop drawings must be submitted for approval prior to ordering the projects signs. Photos of the actual project signs must be submitted for approval prior to installation of the project signs.
102-1	Is a lump sum pay item for Maintenance of Traffic in accordance with the Florida Department of Transportation, the manual of uniform traffic control devices for street and highways, US Department of Transportation Federal Highway Administration, Public Works Manual of Miami-Dade County., and the latest revisions of the afore mentioned manuals. Includes and includes all pedestrian access maintenance. All crosswalks and sidewalks shall remain open and free of obstruction. Temporary painting for roadways and crosswalks shall be maintained throughout the project. Costs shall include the use of flagmen. Includes the cost of furnishing, installing, maintaining, and removing all items of maintenance of traffic not paid for under separate items including but not limited to signs, barricades, flashing lights, traffic signal modification for traffic control, etc.
104	This pay item is a lump sum pay item to furnish, install and maintain a complete stormwater pollution prevention plan (SWPPP). Notice of Intent fees and compliance with any SWPPP reporting. Costs shall include but not be limited to all baled hay, filter fabric, silt fence, sediment inlet barriers, notice of intent fees, and compliance with any SWPPP reporting.
110-4-10	Includes removal of existing pavement, base, sub-grade concrete sidewalk, driveways, curb and gutter, drainage structures, drainage pipe, slab covered trench and pipes, miscellaneous concrete, vegetation, trees, and debris to be disposed of in legal areas provided by the contractor. Includes the cost of cleaning out all existing drainage structures which are to remain within the limits of construction.
327-70-1	Consists of removing existing AC pavement to improve the rideability of the finished pavement, to lower the finished grade adjacent to existing curb prior to resurfacing, or to completely remove existing pavement. Includes transporting the milled material to the asphalt plant site, and stockpiling the material. Also includes removal of existing Reflective Pavement Markers.
334-1-13	Bid item 334-1-13 includes the asphalt final overlay to the extents shown on the plans or lift of asphalt (minimum 1.0”) to final grade. Pavement overlay to provide smooth and continuous grading through the entire asphalt overlay process to avoid areas of standing water. This item also includes the final lift of asphalt over all trench restoration.

425 Items	Cost of baffle, materials, pipe encasement, inlet and manhole pavement and base, labor & construction shall be included in cost of structures. Include all costs associated with installing inlets and manholes per the plans. These Bid Items shall include all associated excavation, protection of trench, connection to existing and proposed pipes, management of excavated material, backfill and compaction, new fill, testing, and adjusting new manhole/utility covers per the plans and details.
430-175-118	Includes excavation, pipe material, jointing and sealing, dewatering, pipe collars, trench restoration, and first lift of asphalt, second lift to be included with overlay.
443-70-3	This item includes excavation, furnishing and placing pipe, pipe plugs, pipe fittings, coarse aggregate and filter fabric, and also includes trenching, backfilling, trench restoration, sheeting and, when necessary, pavement restoration, testing, repair/replacement of site damage such as curbing/sidewalk impacted by construction per the plans and details. Pipe is to be included under Pay Items 430. Trench restoration including first lift of asphalt, second lift to be included with overlay.
520-1-10	Includes construction of concrete curb and/or curb and gutter, and all forming, contraction joint forming, expansion joint construction, steel reinforcement, finishing and backfilling and compaction.
522-2	Includes all costs associated with new concrete sidewalk construction. Includes all material, foundation preparation, joint forming (or sawing), placing, finishing and curing. Includes the cost of tree pruning as needed.
522-2-1	Includes all costs associated with the removal, replacement, and installation of concrete sidewalk up to 6" thick in locations needing repair as directed by the Town.
526-1101	This pay item includes removal, storage, and replacement of existing pavers for the construction of this project. This includes reinstalling or recompacting the existing base material needed as well as new pavers required to restore back to original conditions.
527-1	This pay item is to be used for Detectable Warnings applied to walking surfaces (new and existing sidewalk).
500	Lump sum pay item for site restoration which includes the complete restoration of the roadway or driveways impacted by any construction activity adjacent to the roadway resurfacing project including but not limited to mobilization, clearing, and grubbing, striping removal, milling and resurfacing, asphalt, limerock, and base removal, asphalt overlay, utility adjustments, mailbox relocations, etc. Any swale areas impacted by the contractor outside of those indicated on the plans will be restored by the contractor at no additional cost to the Town. The pay item includes but is not limited to sod, landscaping, trees, excavation, new fill, limerock base preparation, grading, tamping, irrigation, driveway aprons (asphalt, pavers, stamped concrete, etc.), sidewalks, mailboxes, fences, pipes, curbs, etc. to an equal or better condition prior to construction. The contractor shall include the costs associated with a preconstruction video to confirm existing conditions. Any damage not confirmed by preconstruction video will be repaired at no additional cost to the Town.
700	This pay item is a lump sum pay item which includes all costs associated with installing signing, thermoplastic pavement markings, including temporary pavement markings prior to thermoplastic, and reflective pavement markers (RPMs). Costs associated with replacing existing signs damaged as a result of construction will be the responsibility of the contractor.

TRENCH SAFETY

Bidder acknowledges that included in the various items of the Bid and in the Total Bid Price are costs for complying with the Florida Trench Safety Act (90-96, Laws of Fla.) effective October 1, 1990. The Bidder identifies the costs included in the Total Bid Price to be summarized below.

TRENCH SAFETY MEASURE (DESCRIPTION)	UNITS OF MEASURE (LF, SY)	UNIT (QUANTITY)	UNIT COST	EXTENDED COST
A.				
B.				
C.				

Failure to complete the above shall result in the Bid being declared non-responsive.

[SPACE LEFT INTENTIONALLY BLANK]

NON-COLLUSION AFFIDAVIT

STATE OF FLORIDA
COUNTY OF MIAMI-DADE

_____("Affiant"), being first duly sworn, deposes and says that:

1. Affiant is_____of_____, (the "Bidder") and has submitted the attached Bid;

2. Affiant has personal knowledge of the matters set forth herein and is competent to testify:

3. Affiant is fully informed respecting the preparation and contents of the attached Bid and all pertinent circumstances respecting the Bid.

4. The Bid is genuine and is not a collusive or sham Bid.

5. Neither the Bidder nor any of its officers, partners, owners, agents, representatives, employees, or parties in interest, including Affiant, has in any way colluded, conspired, connived, or agreed, directly or indirectly with any other Bidder, firm, or person to submit a collusive or sham Bid, or has in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other Bidder, firm, or person to fix the price or prices in the attached Bid or of any other Bidder, or to fix any overhead, profit, or cost element of the Bid price or the Bid price of any other Bidder, or to secure through any collusion, conspiracy, connivance or unlawful agreement any advantage against Town of Cutler Bay or any person interested in the proposed Contract.

By:_____

(Corporate Seal)

Title: _____

STATE OF FLORIDA

COUNTY OF MIAMI-DADE

The foregoing instrument was acknowledged by means of physical presence or online notarization.

_____
Notary Public

_____
Print Name
My commission expires:

CERTIFICATION REGARDING DEBARMENT, SUSPENSION, AND OTHER RESPONSIBILITY MATTERS PRIMARY COVERED TRANSACTIONS

(1) The prospective primary participant certifies to the best of its knowledge and belief, that it and its principals:

(a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;

(b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

(c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification; and

(d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State, or local) terminated for cause or default.

(2) Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

Signature: _____ Project Name: _____

Name: _____ Project Number: _____

Firm/Agency: _____

Street Address: _____

CFR 24.510 & 24 CFR, Part 24, Appendix A

INSTRUCTIONS FOR CERTIFICATION

1. By signing and submitting this proposal, the prospective lower tier participant is providing the certification set out below.

2. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the federal government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

3. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

4. The terms "covered transaction," "debarred," "suspended," "ineligible," "lower tier covered transaction," "participant," "person," "primary covered transaction," "principal," "proposal," and "voluntarily excluded," as used in this clause, have the meanings set out in the Definitions and Coverage sections of rules implementing Executive Order 12549. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations.

5. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated.

6. The prospective lower tier participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility, and Voluntary Exclusion-Lower Tier Covered Transactions," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.

7. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that it is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the eligibility of its principals. Each participant may, but is not required to, check the Non-procurement List (Telephone Number).

8. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of a participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

9. Except for transactions authorized under paragraph 5 of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntary excluded from participation in this transaction, in addition to other remedies available to the federal government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

[SPACE LEFT INTENTIONALLY BLANK]

CERTIFICATION REGARDING LOBBYING

Certification for Contracts, Grants, Loans, and Cooperative Agreements
Appendix A – 49 CFR Part 20

The undersigned (Contractor) certifies, to the best of his or her knowledge and belief, that:

1. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for making lobbying contacts to an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan or cooperative agreement, the undersigned shall complete and submit Standard Form—LLL, "Disclosure Form to Report Lobbying", in accordance with the instructions {as amended by "Government Wide Guidance for New Restrictions on Lobbying", 61 Fed. Reg. 1413 (1/19/96). Note: Language in paragraph (2) herein has been modified in accordance with Section 10 of the Lobbying Disclosure Act of 1995 (P.L. 104-65, to be codified at 2 U.S.C. 1601, *et seq.*)}
3. The undersigned shall require that the language of this certification be included in the award documents for all sub-awards at all tiers (including subcontracts, sub-grants, and contracts under grants, loans, and cooperative agreements) and that all sub-recipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31, U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995). Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure. {{Note: Pursuant to 31 U.S.C. § 1352©(1)-(2)(A), any person who makes a prohibited expenditure or fails to file or amend a required certification or disclosure form shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such expenditure or failure}.

The Contractor,_____, certified or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. A 3801, *et seq., apply* to this certification and disclosure, if any.

Signature of Contractor's Authorized Official

_____

Name and Title of Contractor's Authorized Official

_____

Date _____

[SPACE LEFT INTENTIONALLY BLANK]

ANTI-KICKBACK AFFIDAVIT

STATE OF FLORIDA

COUNTY OF MIAMI-DADE

I, the undersigned, hereby duly sworn, depose and say that no portion of the sum herein bid will be paid to any employees of the Town of Cutler Bay, its elected officials, and _____ or its design consultants, as a commission, kickback, reward or gift, directly or indirectly by me or any member of my firm or by an officer of the corporation.

By: _____

Title: _____

The foregoing instrument was acknowledged before me by means of physical presence or online notarization this_____day of_____, 20___, by _____ _____, on behalf of _____ _____. She/He is personally known to me or has produced _____as identification.

_____

Notary Public

[SPACE LEFT INTENTIONALLY BLANK]

SWORN STATEMENT ON PUBLIC ENTITY CRIMES
SECTION 287.133(3)(a), FLORIDA STATUTES

THIS FORM MUST BE SIGNED AND SWORN TO IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICIAL AUTHORIZED TO ADMINISTER OATHS.

1. This sworn statement is submitted to the Town of Cutler Bay

by _____
[Print Individual's Name and Title]
for _____
[Print Name of Entity Submitting Sworn Statement]

whose business address is:

_____

_____

and (if applicable) its Federal Employer Identification Number (FEIN) is: _____

(If the entity has no FEIN, include the Social Security Number of the individual

signing this sworn statement:_____)

2. I understand that a "public entity crime" as defined in Paragraph 287.133(1)9g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or the United States, including, but not limited to, any bid or contract for goods and services to be provided to any public entity or an agency or political subdivision of any other state or of the United States involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.

3. I understand that "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction or a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.

4. I understand than an "affiliate" as defined in Paragraph 287.133(1)(a), Florida Statutes, means:

   a. A predecessor or successor of a person convicted of a public entity crime; or

   b. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

5. I understand that a "person" as defined in Paragraph 287.133(1)I, Florida Statutes, means any natural person or entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which bids or applies to bid on contracts for the provision of goods or services let by a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an entity.

6. Based on information and belief, the statement that I have marked below is true in relation to the entity submitting this sworn statement. **[Indicate which statement applies.]**

_Neither the entity submitting this sworn statement, nor any officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, not any affiliate of the entity, has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

_This entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

_The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989. However, there has been a subsequent proceeding before a Hearing Officer of the State of Florida, Division of Administrative Hearings and the Final Order entered by the Hearing Officer determined that it was not in the public interest to place the entity submitting this sworn statement on the convicted vendor list. **[Attach a copy of the final order]**

I UNDERSTAND THAT THE SUBMISSION OF THIS FORM TO THE CONTRACTING OFFICER FOR THE PUBLIC ENTITY IDENTIFIED IN PARAGRAPH 1 ABOVE IS FOR THAT PUBLIC ENTITY ONLY AND, THAT THIS FORM IS VALID THROUGH DECEMBER 31 OF THE CALENDAR YEAR IN WHICH IT IS FILED. I ALSO UNDERSTAND HAT I AM REQUIRED TO INFORM THE PUBLIC ENTITY PRIOR TO ENTERING INTO A CONTRACT IN EXCESS OF THE THRESHOLD AMOUNT PROVIDED IN SECTION 287.017, FLORIDA STATUTES, FOR CATEGORY TWO OF ANY CHANGE IN THE INFORMATION CONTAINED IN THIS FORM.

_____
Signature of Entity Submitting Sworn Statement

STATE OF FLORIDA

COUNTY OF MIAMI-DADE

The foregoing instrument was acknowledged before me by means of physical presence or online notarization this_____day of_____, 20___, by _____ _____, on behalf of _____ _____. She/He is personally known to me or has produced _____as identification.

_____
Notary Public

_____
Print Name

[SPACE LEFT INTENTIONALLY BLANK]

DRUG-FREE WORKPLACE FORM

The undersigned vendor in accordance with Section 287.087, Florida Statutes, hereby certifies that _____ does:
(Name of Business)

1) Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.

2) Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.

3) Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).

4) In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.

5) Impose a sanction on or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.

6) Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

As the person authorized to sign the statement, I certify that this firm complies fully with the above requirements.

_____ _____
Proposers Signature Date

[END OF SECTION]

SECTION 00350

CONTRACTOR'S QUESTIONNAIRE / QUALIFICATION STATEMENT
ITB No. 25-04
SAGA BAY DRAINAGE IMPROVEMENTS PROJECT

Submitted to: The Mayor and Town Council of the Town of Cutler Bay, Florida:

By_____

Principal Office_____

How many years has your organization been in business as a General Contractor under your present business name?_____

Does your organization have current occupational licenses entitling it to do the work contemplated in this Contract? _____

State of Florida Occupational License (state type and number):

_____

Federal I.D. No: _____

Dade County Certificate of Competency (state type and number):

_____

Town of Cutler Bay Occupational License (state type and number):

_____

Please include copies of above licenses and certifications with proposal.

How many years of experience in similar work has your organization had?

(A) As a General Contractor_____
(B) As a Sub-Contractor_____
(C) What contracts has your organization completed? State below:

Contract Amount	Class of Work	Date Completed	Name & Address of Owner

How many years has your organization, or your concrete curb and sidewalk sub-contractor had in the actual construction of municipal, urban, decorative sidewalks and streetscapes?

_____Years

List the detailed experience below:

Name & Tel. Number of Owner	Project Name	Date Completed

Are you a Certified Disadvantaged Business Enterprise (DBE) with the State of Florida?

_____

Have you ever failed to complete any work awarded to you? _____

If so, where and why? _____

_____

Has any officer or partner of your organization ever failed to complete a contract handled in his own name? _____

If so, state name of individual, name of owner, and reason thereof:

_____

_____

_____

In what other lines of business are you financially interested or engaged?

_____

_____

_____

Give references as to experience, ability, and financial standing.

_____

_____

_____

What equipment do you own that is available for the proposed work and where is it located?

_____

_____

_____

Financial Statement: _____

_____

_____

What Bank or Banks have you arranged to do business with during the course of the Contract should it be awarded to you? _____

_____

_____

_____

_____

I hereby certify that the above answers are true and correct.

(Affix Seal)

Name of Bidder: _____

Signature of Officer: _____

Title of Officer: _____

SECTION 00410

BID BOND
ITB No. 25-04
SAGA BAY DRAINAGE IMPROVEMENTS PROJECT

KNOW ALL MEN BY THESE PRESENTS, that we _____

as Principal and Proposer, and _____

Hereinafter called Surety, are held and firmly bound unto Town of Cutler Bay, a political subdivision of the State of Florida, and represented by its Town Manager, in the sum of **five percent (5%)** of the proposed annual base bid amount of:

_____

_____

(Written Dollar Amount)

lawful money of the United States of America, for the payment of which well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally by these presents.

WHEREAS, the Principal contemplates submitting or has submitted, a bid to the Town of Cutler Bay for the furnishing of all labor, materials (except those to be specifically furnished by the Town), equipment, machinery, tools, apparatus, means of transportation for, and the performance of the work covered in the bid and the detailed Drawings and Specifications, entitled:

SAGA BAY AND DRAINAGE IMPROVEMENTS PROJECT

TOWN OF CUTLER BAY
ITB No. 25-04
SAGA BAY DRAINAGE IMPROVEMENTS PROJECT

WHEREAS, it was a condition precedent to the submission of said bid that a cashier's check, certified check, or bid bond in the amount of five percent (5%) of the proposal amount be submitted with said bid as a guarantee that the Proposer would, if awarded the Contract, enter into a written Contract with the Town for the performance of said Contract, within ten (10) consecutive calendar days after written notice having been given of the award of the Contract.

NOW, THEREFORE, the conditions of this obligation are such that if the Principal within ten (10) consecutive calendar days after written notice of such acceptance, enters into a written Contract with the Town of Cutler Bay and furnishes the Performance Bond, in an amount equal to one hundred percent of the **annual** base bid amount, satisfactory to the Town, then this obligation shall be void; otherwise the sum herein stated shall be due and payable to the Town of Cutler Bay and the Surety herein agrees to pay said sum immediately

upon demand of the Town in good and lawful money of the United States of America, as liquidated damages for failure thereof of said Principal.

IN WITNESS WHEREOF, the said _____

as Principal herein, has caused these presents to be signed in its name by its _____

_____and attested by its _____

_____under its corporate seal, and the said _____

_____as Surety herein, has caused these

presents to be signed in its name by its _____

_____and attested in its name by its _____

_____under its corporate seal, this_____day of_____A.D.,

20___ .

Signed, sealed, and delivered
_____
in the presence of:

_____
_____

_____
_____
As to Principal

PRINCIPAL:

BY:

NAME:

_____
Surety

BY:

_____
Attorney-in-Fact
(Power-of-Attorney to be attached)

_____
_____
As to Surety

BY:

Resident Agent

CERTIFICATES AS TO CORPORATE PRINCIPAL

I,_____, certify that I am the Secretary of the Corporation named as Principal in the within bond; that_____who signed said bond on behalf of the principal, was then_____of said corporation; that I know his signature, and his signature hereto is genuine; and that said bond was duly signed, sealed, and attested for and in behalf of said corporation by authority of its governing body.

_____
Secretary (Corporate Seal)

STATE OF FLORIDA)
ss
COUNTY OF MIAMI-DADE)

Before me, a Notary Public duly commissioned, qualified and acting, personally appeared _____, to be well known, who being by me first duly sworn upon oath, says that he is the Attorney-in-Fact, for the _____ and that he has been authorized by_____to execute the foregoing bond on behalf of the Contractor named therein in favor of the Owner, the Town of Cutler Bay.

Sworn and Subscribed to before me this_____day of_____, 20__, A.D.

Attach Power of Attorney _____

SECTION 00500

CONTRACT FOR CONSTRUCTION
ITB No. 25-04
SAGA BAY DRAINAGE IMPROVEMENTS PROJECT

THIS CONTRACT FOR CONSTRUCTION (this "Contract") is made this _____ day of _____, 2025 (the "Effective Date") by and between the **TOWN OF CUTLER BAY, FLORIDA**, a Florida municipal corporation, (the "Town"), and **[INSERT CONTRACTOR'S NAME],** a **[INSERT TYPE OF ENTITY]** (the "Contractor").

WHEREAS, the Town issued Invitation to Bid No. 2025-04 (the "ITB") for construction of **SAGA BAY DRAINAGE IMPROVEMENTS PROJECT** (the "Project"), which ITB is incorporated herein by reference and made a part hereof; and

WHEREAS, in response to the Town's ITB, the Contractor submitted a bid for the Project ("Bid"), which Bid is incorporated herein by reference and made a part hereof, and includes the Price Submittal ("Pricing") attached hereto as Exhibit "A"; and

WHEREAS, Contractor submitted the lowest, responsive and responsible bid in response to the ITB and was selected and awarded this Contract for performance of the Work (as hereinafter defined); and

WHEREAS, Contractor has represented to the Town that it possesses the necessary qualifications, experience and abilities to perform the Work or the Project, and has agreed to provide the Work on the terms and conditions set forth in this Contract.

NOW, THEREFORE, in consideration of the mutual covenants and conditions contained herein, the Contractor and the Town agree as follows:

1. SCOPE OF WORK

1.1. Scope of Work. Contractor hereby agrees to furnish all of the labor, materials, equipment, services and incidentals necessary to perform all of the work described in the Contract Documents (the "Work" or the "Project") including, without limitation as described in the approved plans, drawings and/or specifications prepared by **KIMLEY-HORN AND ASSOCIATES, INC.** dated November 2023 (the "Plans") and any other documents incorporated herein by reference and made a part of this Contract for the following Project:

SAGA BAY DRAINAGE IMPROVEMENTS PROJECT

1.2. Pre-Construction Conference. Within fourteen (14) calendar days after this Contract is executed by both parties, and before any Work has commenced, a pre-construction conference will be held between the Town, the Contractor, and the Project Consultant. The Contractor must submit its project schedule and schedule of values, if applicable, prior to this conference.

1.3. Project Schedule. Contractor must submit a proposed Project Schedule as follows:

1.3.1. Schedule must identify the schedule for each location comprising the Project. The proposed Project schedule must be submitted within ten (10) calendar days from the date this Contract is

executed by both parties for the review and approval of the Project Consultant or Town as applicable. This initial schedule shall establish the baseline schedule for the Project.

1.3.2. All updates of schedules must be tracked against the baseline schedule and must be at a minimum submitted with each pay application. An updated schedule tracked against the baseline must also be submitted upon execution of each Change Order that impacts the Contract Time. Failure to submit such schedules will result in the rejection of any submitted payment application.

1.3.3. All Project Schedules must be prepared in Microsoft Project or approved equal by the Town. At the time of submission of schedules, Contractor must submit a hard copy as well as an electronic version. Electronic versions must not be submitted in a .pdf format.

1.4. <u>Records.</u>

1.4.1. As-Built Drawings. During the Work, Contractor must maintain records of all deviations from the Drawings as approved by the Project Consultant and prepare two copies of As-Built Record Drawings showing correctly and accurately all changes and deviations made during construction to reflect the Work as it was actually constructed. It is the responsibility of the Contractor to check the As-Built Drawings for errors and omissions prior to submittal to the Town and to certify in writing that the As-Built Record Drawings are correct and accurate, including the actual location of all infrastructure, internal piping, and electrical/signal conduits in or below the concrete floor (indicating the size, depth, and voltage in each conduit). To record actual construction, Contractor must legibly mark on-site structures and site Work as follows:

1.4.1.1. Depths of various elements of foundation in relation to finish first floor datum.

1.4.1.2. All underground piping and ductwork with elevations and dimensions and locations of valves, pull boxes, etc. Changes in location. Horizontal and vertical locations of underground utilities and appurtenances referenced to permanent surface improvements. Actual installed pipe material, class, etc.

1.4.1.3. Location of internal utilities and appurtenances concealed in the construction, referenced to visible and accessible features of the structure. Air conditioning ducts with locations of dampers, access doors, fans and other items needing periodic maintenance.

1.4.1.4. Field changes in dimensions and details.

1.4.1.5. Changes made by Project Consultant's written instructions or by Change Order.

1.4.1.6. Details not on original Contract Drawings.

1.4.1.7. Equipment, conduit, electrical panel locations.

1.4.1.8. Project Consultant's schedule changes according to Contractor's records and shop drawings.

1.4.1.9. Specifications and Addenda: Legibly mark each section to record:

1.4.1.9.1. Manufacturer, trade name, catalog number and Supplier of each product and item of equipment actually installed.

1.4.1.9.2. Changes made by Project Consultant's written instructions or by Change Order.

1.4.1.10. Approved Shop Drawings: Provide record copies for each process, equipment, piping, electrical system and instrumentation system.

1.4.1.10.1. As-built documents must be updated monthly as a condition precedent to payment, unless waived by the Town. A final survey signed and sealed by a surveyor must be provided to the Town at no additional cost, including digital l (CAD and PDF) versions.

1.4.1.10.2. For construction of new building, or building additions, field improvements, and or roadway improvements, as-built drawings must be signed and sealed by a Florida Licensed Registered Land Surveyor.

1.4.2. Record Set. Contractor must maintain in a safe place one record copy and one permit set of the Contract Documents, including, but not limited to, all Drawings, Specifications, amendments, COs, RFIs, and field directives, as well as all written interpretations and clarifications issued by the Project Consultant, in good order and annotated to show all changes made during construction. The record documents must be continuously updated by Contractor throughout the prosecution of the Work to accurately reflect all field changes that are made to adapt the Work to field conditions, changes resulting from COs and/or field directives as well as all written interpretations and clarifications, and all concealed and buried installations of piping, conduit and utility services. Contractor must certify the accuracy of the updated record documents. The record documents must be clean, and all changes, corrections and dimensions must be given in a neat and legible manner in red. Upon Final Completion and as a condition precedent to Contractor's entitlement to final payment, the Record Set must be delivered to the Project Consultant by the Contractor. The Record Set of Drawing must be submitted in both hard copy and as electronic plot files.

1.4.3. Construction Photographs. Prior to commencement of the Work the Contractor must take digital photographs and color audio-video recording to document existing conditions and submit copies in an acceptable format to the Town. Contractor must submit with each application for payment photographs that accurately reflect the progress of all aspects of the Work. The number of photographs to be taken will be based on the magnitude of the Work being performed. Contractor must submit one copy of each photograph in print and digitally. The photographs must be printed on 8" X 10" high resolution glossy commercial grade and weight color photographic print paper or in a format acceptable to the Town. Each photograph must be imprinted on its face with the title of the Project, the date, and time the picture was taken. Digital photographs must be taken using .jpeg format and will be submitted through a file-sharing site (such as Dropbox) or on a CD-ROM or flash drive clearly identifying the name of the Project, the name of the Contractor, and the timeframe in which the pictures were taken. Initial set up prints will be submitted in a three-ring binder with each picture protected by a clear plastic sleeve. Subsequent prints are to be submitted in clear plastic sleeves that can be added to the binder. The three-ring binder must be of such size to be able to hold all print pictures.

1.5. <u>Staging Site.</u>

1.5.1. The Contractor is solely responsible for making all arrangements for any staging site(s) that may be necessary for the performance of the Work and the Contractor is responsible for all site security, including any fencing of the site, and any loss, damage or theft to its equipment and materials. Any fencing of the Staging Site is subject to the prior written approval of the Town.

1.5.2. The Town at its sole discretion may make a staging site available for use by the Contractor. If such site is made available by the Town, the Town assumes no responsibility or liability for the equipment or materials stored on the site, and the Contractor will be solely responsible for any loss, damage or theft to its equipment and materials. The Contractor must restore the site to its pre-existing condition prior to the Contractor's use of the site.

1.5.3. The Contractor may be required to provide or may choose to use an office trailer for the duration of the Project. The Contractor must have the prior written approval of the Town as to the use of any office trailer and the placement location for the office trailer. The Contractor must obtain all required permits from the appropriate regulatory agencies.

1.5.4. No parking is permitted at a Town provided staging site without the prior written approval of the Town.

1.6. Purchase and Delivery, Storage and Installation. All materials must be F.O.B. delivered and included in the cost of the Work. The Contractor is solely responsible for the purchase, delivery, off-loading and installation of all equipment and material(s). Contractor must make all arrangement for delivery. Contractor is liable for replacing any damaged equipment or material(s) and filing any and all claims with suppliers. All transportation must comply with all federal, state (including FDOT), Miami-Dade County, and local laws, rules and regulations. No materials will be stored on-site without the prior written approval of the Town.

1.7. Approval of Subcontractors. For any scope of work that the Contractor will utilize a subcontractor, the Contractor may only retain or utilize the services of the particular subcontractor with the prior written approval of the Town Manager, which approval may be granted or withheld in the Town Manager's sole and absolute discretion. The Contractor shall provide at least fourteen (14) days notice to the Town Manager and the Project Consultant of its intent to retain or utilize a subcontractor.

1.8. Project Signage. Contractor must furnish and install two (2) Project signs at the Project Site in accordance with the requirements provided by the Project Consultant or the Town as applicable.

2. CONTRACT TIME

2.1. Contractor shall be instructed to commence the Work by written instructions in the form of a Notice to Proceed providing a commencement date and issued by the Town Manager or designee. The Notice to Proceed will not be issued until Contractor's submission to Town of all required documents and after execution of this Contract.

2.2. Time is of the essence throughout this Contract. The Contractor shall prosecute the Work with faithfulness and diligence and the **Work shall be substantially completed within five hundred seventy (570) calendar days from the date specified in the Notice to Proceed ("Contract Time").** Substantial Completion shall be defined for this purpose as the date on which Town receives beneficial use of the Project. **The Work shall be fully completed in accordance with the Contract Documents within six hundred (600) calendar days from the date specified in the Notice to Proceed ("Final Completion Time").** The Final Completion date is defined as the date determined by the Town when all Work, including punch list items, has been completed in accordance with the Contract Documents and Contractor has delivered to Town all documentation required herein.

2.3. Upon failure of Contractor to substantially complete the Work as defined in this Agreement within the Contract Time, Contractor shall pay to Town the sum of **five hundred dollars ($500.00)** for each calendar day after the expiration of the Contract Time that the Contractor fails to achieve Substantial Completion up until the date that the Contractor achieves Substantial Completion. Upon failure of Contractor to fully complete the Work and achieve Final Completion within the Final Completion Time, Contractor shall pay to Town the sum of **one thousand dollars ($1,000.00)** for each calendar day after expiration of the Final Completion Time that the Contractor fails to achieve Final Completion up until the date that the Contractor achieves Final Completion. These amounts are not penalties but are liquidated damages payable by Contractor to Town for the failure to provide full beneficial occupancy and use of the Project as required. Liquidated damages are hereby fixed and agreed upon between the parties who hereby acknowledge the difficulty of determining the amount of damages that will be sustained by Town as a consequence of Contractor's delay and failure of Contractor to complete the Work on time. The above-stated liquidated damages shall apply separately to each phase of the Project for which a time for completion is given.

2.4. Town is authorized to deduct the liquidated damages from monies due to Contractor for the Work under this Contract. In case the liquidated damage amount due to Town by Contractor exceeds monies due

Contractor from Town, Contractor shall be liable and shall immediately upon demand by Town pay to Town the amount of said excess.

3. CONTRACT PRICE AND PAYMENT PROCEDURES

3.1. Guaranteed Maximum Price. The Town shall pay the Contractor an amount not to exceed $_____for the performance of the Work in accordance with the line items and unit prices included in Exhibit "A" (the "Contract Price"). The Contract Price shall be full compensation for all services, labor, materials, equipment, and costs, including overhead and profit, associated with completion of all the Work in full conformity with the Contract Documents and adjusted only by written change orders signed by both parties and approved as required by local law. The Contract Price shall include all applicable sales taxes as required by law.

3.2. Schedule of Values. The Contractor must submit two copies of schedule of values within ten (10) calendar days from the date this Contract is executed by both parties. The schedule of values shall indicate a complete breakdown of labor and material of all categories of Work on the Project. Contractor's overhead and profit must be listed as separate line items if requested. Each line item must be identified with the number and title of the major specification section or major components of the items. The Project Consultant or Town as applicable may require further breakdown after review of the Contractor's submittal. The Town reserves the right to require such information from the Contractor as may be necessary to determine the accuracy of the schedule of values. The combined total value for mobilization under the Schedule of Values shall not exceed 5% of the value of the Contract. The accepted Schedule of Values must be incorporated into the Contractor's payment application form. The Contractor guarantees that each individual line item contained in the schedule of values submitted as part of a competitive solicitation shall not be increased without written approval by the Town Manager.

3.3. Payment Application Procedures. Town shall make progress payments, deducting the amount from the Contract Price above on the basis of Contractor's Applications for Payment on or before thirty (30) days after receipt of the Pay Application. Rejection of a Pay Application by the Town shall be within thirty (30) days after receipt of the Pay Application. Any rejection shall specify the applicable deficiency and necessary corrective action. Any undisputed portion shall be paid as specified above. All such payments will be made in accordance with the Schedule of Values established in the Contract Documents or, in the event there is no Schedule of Values, as otherwise provided in the Contract Documents. In the event the Contract Documents do not provide a Schedule of Values or other payment schedule, Applications for Payment shall be submitted monthly by Contractor on or before the 10th of each month for the prior month to the Town's Consultant, **KIMLEY-HORN AND ASSOCIATES, INC.** (the "Town's Project Consultant"). Progress payments shall be made in an amount equal to the percentage of Work completed as determined by the Town or Town's Project Consultant, but, in each case, less the aggregate of payments previously made and less such amounts as Town shall determine or Town may withhold taking into account the aggregate of payments made and the percentage of Project completion in accordance with the Contract Documents and Schedule of Values, if any. The Contractor agrees that five percent (5%) of the amount due for each progress payment or Pay Application (the "Retainage") shall be retained by Town until final completion and acceptance of the Work by Town. In the event there is a dispute between Contractor and Town concerning a Pay Application, dispute resolution procedures shall be conducted by Town commencing within 45 days of receipt of the disputed Payment Application. The Town shall reach a conclusion within 15 days thereafter and promptly notify Contractor of the outcome, including payment, if applicable.

3.4. Progress Payment Applications. Each progress payment application submitted to the Town must include:

3.4.1. A sworn and certified progress payment affidavit indicating that all laborers, material suppliers, and subcontractors dealing with the Contractor were paid in full as it relates to all Work performed up to the time of the request for payment;

3.4.2. Partial conditional releases or waivers of lien by the Contractor, material suppliers, subcontractors, and any lienors serving a Notice to the Town and evidence of proof of payment of any indebtedness incurred with respect to the Work of the Contractor as may be required by the Town;

3.4.3. Evidence that all Work was fully performed as required by the Contract Documents up to the time of the request for payment and that the Work was inspected and accepted by the Town and any other governmental authorities required to inspect the Work; and

3.4.4. An updated Project schedule, including a two-week look-ahead schedule, as approved in writing by the Town Manager.

3.4.5. All Buy-Out Savings, including supporting documentation relating to the calculation of the Buy-Out Savings.

3.5. Final Payment. Upon Final Completion of the Work by Contractor in accordance with the Contract Documents and acceptance by the Town, and upon receipt of consent by any surety, Town shall pay the remainder of the Contract Price (including Retainage) as recommended by the Town's Project Consultant and Building Official. Final payment is contingent upon receipt by Town from Contractor of:

3.5.1. An affidavit that payrolls, bills for materials, equipment, and other indebtedness were paid in full as it relates to all Work performed under this Contract;

3.5.2. A certificate evidencing that insurance required by the Contract Documents shall remain in effect after final payment is made;

3.5.3. A written statement that the Contractor knows of no reason that the insurance will not be renewable to cover the period required by the Contract Documents;

3.5.4. Documentation of any special warranties, including, but not limited to, any manufactures' warranties or specific subcontractor warranties;

3.5.5. Evidence that all Punch List items have been fully completed to the satisfaction of the Town;

3.5.6. All previously undelivered manufacturer and subcontractor guarantees, warranties, and manuals and documents required by the Contract Documents;

3.5.7. Final releases of lien, waivers of claim, satisfactions of liens or claims, and such other affidavits as may be reasonably required by the Town to assure a lien-free and claim-free completion of the Work;

3.5.8. Evidence that the Contractor has fully cleaned and restored the site, including removal of all rubbish and debris;

3.5.9. At least one complete set of as-built plans, reflecting an accurate depiction of Contractor's Work;

3.5.10. .Such other documents necessary to show that the Contractor has complied with all other requirements of the Contract Documents; and

3.5.11. Cost Savings, including supporting documentation used to calculate the Cost Savings.

3.6. Payment Withholding. The Town may withhold any payment, including a final payment, for application to such extent as may be necessary, as determined by the Town's Project Consultant, to protect the Town from loss for which the Contractor is responsible in the event that:

3.6.1. The Contractor performs defective Work and such Work has not been corrected, provided that the amount withheld shall be limited to the amount sufficient to cover such defective Work;

3.6.2. A third-party files a claim or lien in connection with the Work or this Contract;

3.6.3. The Contractor fails to make payments properly to subcontractors or suppliers for labor, materials, or equipment which has been paid by the Town, provided that the amount withheld shall be limited to the amount sufficient to cover such payments to subcontractors or suppliers for labor, materials, or equipment;

3.6.4. The Town has reasonable evidence that the Work cannot be completed for the unpaid balance of the Contract Sum;

3.6.5. The Contractor, its employees, subcontractors, or agents have damaged the Town;

3.6.6. The Town has reasonable evidence that the Work will not be completed within the Contract Time and that the unpaid balance would not be adequate to cover liquidated damages for the anticipated delay;

3.6.7. The Contractor has failed to progress the Work satisfactorily and/or according to the Contract Schedule;

3.6.8. The Contractor has failed to carry out the Work in accordance with the Contract Documents;

3.6.9. The Contractor has failed to provide requisite releases of lien for each payment application in accordance with the Contract Documents; and/or

3.6.10. Any other failure to perform a material obligation contained in the Contract Documents.

3.7. No Waiver of Town Rights. The payment of any Application for Payment by the Town, including the final request for payment, does not constitute approval or acceptance by the Town of any item of the Work reflected in such Application for Payment, nor shall it be construed as a waiver of any of the Town 's rights hereunder or at law or in equity.

3.8. Payment to Sub-Contractors; Certification of Payment to Subcontractors. The term "subcontractor," as used herein, includes persons or firms furnishing labor, materials or equipment incorporated into or to be incorporated into the Work or Project. The Contractor is required to pay all subcontractors for satisfactory performance of their contracts as a condition precedent to payment to Contractor by the Town. The Contractor shall also return all retainage withheld to the subcontractors within 30 days after the subcontractor's work is satisfactorily complete and accepted by the Town.

3.9. Cost Savings and Value Engineering.

3.9.1. Cost Savings. In the event the Contractor rebids or renegotiates with any subcontractor to reduce subcontractor costs for the performance of the Work, then the difference between (i) the sum of the subcontractor costs used to establish the Contract Price, as set forth in the Schedule of Values, and (ii) the sum of the revised subcontractor costs, including any early payment or similar discounts (the "Cost Savings"), shall revert to the Town. The Contract Price shall be adjusted in accordance with any Cost Savings through a Change and the Schedule of Values shall also be revised to reflect the new Contract Price.

3.9.2. Value Engineering. Contractor shall participate in Value Engineering the Contract Documents with the Town and the Architect with the goal of finding acceptable means for reducing the cost of the Work. Upon acceptance by the Town of recommendation for Value Engineering, the Contract Documents shall be modified to reflect such changes. All savings in connection with Value Engineering of the Work shall revert to Town.

4. CONTRACT DOCUMENTS

4.1. The Contract Documents, which comprise the entire agreement between the Town and the Contractor concerning the Work, consist of this Contract for Construction (including any change orders and amendments thereto), the Plans and Specifications, the Technical Specifications, any Bidding Documents or procurement documents for the Project, the Contractor's Bid for the Project (including the Schedule of Bid Items-Pricing), the Bonds (defined herein), Insurance Certificates, the Notice of Award, and the Notice to Proceed, all of which are deemed incorporated into and made a part of this Contract by this reference and govern this Project. In the event of any conflict among the foregoing, the documents shall govern in the order listed herein. Contractor is reminded and hereby recognizes that all Work under this Contract must comply with all applicable federal, state, and local law. Any mandatory clauses which are required by applicable law shall be deemed to be incorporated herein.

4.2. This Contract incorporates and includes all prior negotiations, correspondence, conversations, agreements, or understandings applicable to the matters contained herein and the parties agree that there are no commitments, agreements, or understandings concerning the subject matter of these Contract Documents that are not contained herein. Accordingly, it is agreed that no deviation from the terms hereof shall be predicated upon any prior representations or agreements, whether oral or written.

4.3. The Contract Documents shall remain the property of the Town. The Contractor shall have the right to keep one record set of the Contract Documents upon completion of the Project; however in no circumstances shall the Contractor use, or permit to be used, any or all of such Contract Documents on other projects without the Town's prior written authorization.

4.4. Conflicts; Order of Priority. This document without exhibits is referred to as the "Base Agreement." In the event of a conflict between the terms of this Base Agreement and any exhibits or attachments hereto, or any documents incorporated herein by reference, the conflict shall be resolved in the following order of priorities and the more stringent criteria for performance of the Work shall apply:

4.4.1. First Priority: Change Orders with later date taking precedence;

4.4.2. Second Priority: This Base Agreement;

4.4.3. Third Priority: Contract Documents, excluding this Base Agreement; and

4.4.4. Fourth Priority: Exhibit A, "Price Submittal Form."

5. INDEMNIFICATION

5.1. To the fullest extent permitted by law, Contractor shall defend, indemnify, and hold harmless the Town, its officers, agents, consultants, and employees, from and against any and all demands, claims, losses, expenses, suits, liabilities, causes of action, judgment or damages, including but not limited to legal fees and costs and through appeal, arising out of, related to, resulting from, or in any way connected with Contractor's negligence, recklessness, or intentional misconduct in the Contractor's performance or non-performance of this Contract, Contractor's obligations, or the Work related to the Contract, including but not limited to by reason of any damage to property, or bodily injury or death incurred or sustained by any person, or to injury to or destruction of tangible property or any other property (other than the Work itself) including the loss of use resulting therefrom, caused in whole or in part by any willful, wanton, or negligent, or grossly negligent acts or omissions of Contractor, any subcontractor, any person or organization directly or indirectly employed by any of them to perform or furnish any of the Work or anyone for whose acts any of them may be liable, regardless of whether or not it is caused in part by a party indemnified hereunder or arises by or is imposed by applicable law and regardless of the negligence of any such party.. Additionally, the Contractor shall defend, indemnify, and hold the Town harmless from all losses, injuries or damages and wages or overtime compensation due its employees in rendering services pursuant to this Contract, including payment of reasonable attorneys' fees and costs in the defense of any claim made under the Fair Labor Standards Act, Title VII of the Civil Rights Act of 1964, the Age Discrimination in Employment Act, the Americans with Disabilities Act or any other employment related litigation or worker's compensation claims under federal, state, or local law.

5.2. Nothing herein is intended to serve as a waiver of sovereign immunity by the Town nor shall anything included herein be construed as consent to be sued by third parties in any matter arising out of this Contract or any other contract. The Town is subject to section 768.28, Florida Statutes, as may be amended from time to time.

5.3. The provisions of this section shall survive termination of this Contract.

6. INSURANCE AND BONDS

6.1. Insurance.

6.1.1. Contractor shall secure and maintain throughout the duration of this Contract insurance of such types and in such amounts not less than those specified below as satisfactory to the Town, naming the Town as an Additional Insured, underwritten by a firm rated A-X or better by Bests Rating and qualified to do business in the State of Florida. Certificates of Insurance shall be provided to the Town, reflecting the Town as an Additional Insured, no later than ten (10) days after award of this Contract and prior to the execution of this Contract by Town and prior to commencing any Work. Each certificate shall include no less than (30) thirty-day advance written notice to Town prior to cancellation, termination, or material alteration of said policies or insurance. The insurance coverage shall be primary insurance with respect to the Town, its officials, employees, agents and volunteers naming the Town as additional insured. Any insurance maintained by the Town shall be in excess of the Contractor's insurance and shall not contribute to the Contractor's insurance. The insurance coverages shall include at a minimum the amounts set forth in this Section 6.1.

6.1.1.1. Commercial General Liability coverage with limits of liability of not less than a $1,000,000 per Occurrence combined single limit for Bodily Injury and Property Damage. This Liability Insurance shall also include Completed Operations and Product Liability coverages and eliminate the exclusion with respect to property under the care, custody and control of Contractor.

The General Aggregate Liability limit (except for Products/Completed Operations) shall be in the amount of $2,000,000.

6.1.1.2. Workers Compensation and Employer's Liability insurance, to apply for all employees for statutory limits as required by applicable State and Federal laws. The policy(ies) must include Employer's Liability with minimum limits of $1,000,000.00 each accident. No employee, subcontractor or agent of the Contractor shall be allowed to provide Work pursuant to this Contract who is not covered by Worker's Compensation insurance.

6.1.1.3. Business Automobile Liability with minimum limits of $1,000,000 per Occurrence, combined single limit for Bodily Injury and Property Damage. Coverage must be afforded on a form no more restrictive than the latest edition of the Business Automobile Liability policy, without restrictive endorsements, as filed by the Insurance Services Office, and must include Owned, Hired, and Non-Owned Vehicles.

6.1.1.4. Builder's Risk property insurance upon the entire Work to the full replacement cost value thereof. This insurance shall include the interest of Town and Contractor and shall provide All-Risk coverage against loss by physical damage including, but not limited to, Fire, Extended Coverage, Theft, Vandalism and Malicious Mischief.

6.1.1.5. Contractor acknowledges that it shall bear the full risk of loss for any portion of the Work damaged, destroyed, lost or stolen until Final Completion has been achieved for the Project, and all such Work shall be fully restored by the Contractor, at its sole cost and expense, in accordance with the Contract Documents.

6.1.2. Certificate of Insurance. On or before the Effective Date of this Contract, the Contractor shall provide the Town with Certificates of Insurance for all required policies. The Contractor shall be responsible for assuring that the insurance certificates required by this Section remain in full force and effect for the duration of this Contract, including any extensions or renewals that may be granted by the Town. The Certificates of Insurance shall not only name the types of policy(ies) provided, but also shall refer specifically to this Contract and shall state that such insurance is as required by this Contract. The Town reserves the right to inspect and return a certified copy of such policies, upon written request by the Town. If a policy is due to expire prior to the completion of the Work, renewal Certificates of Insurance shall be furnished thirty (30) calendar days prior to the date of their policy expiration. Each policy certificate shall be endorsed with a provision that not less than thirty (30) calendar days' written notice shall be provided to the Town before any policy or coverage is cancelled or restricted. Acceptance of the Certificate(s) is subject to approval of the Town.

6.1.2.1. Additional Insured. The Town is to be specifically included as an Additional Insured for the liability of the Town resulting from Work performed by or on behalf of the Contractor in performance of this Contract. The Contractor's insurance, including that applicable to the Town as an Additional Insured, shall apply on a primary basis and any other insurance maintained by the Town shall be in excess of and shall not contribute to the Contractor's insurance. The Contractor's insurance shall contain a severability of interest provision providing that, except with respect to the total limits of liability, the insurance shall apply to each Insured or Additional Insured (for applicable policies) in the same manner as if separate policies had been issued to each.

6.1.2.2. Deductibles. All deductibles or self-insured retentions must be declared to and be reasonably approved by the Town. The Contractor shall be responsible for the payment of any deductible or self-insured retentions in the event of any claim.

6.1.3. The provisions of this section shall survive termination of this Contract.

6.2. Bonds. If required by the Town, prior to performing any portion of the Work the Contractor shall deliver to Town the Bonds required to be provided by Contractor hereunder (the bonds referenced in this Section are collectively referred to herein as the "Bonds"). Pursuant to and in accordance with Section 255.05, Florida Statutes, the Contractor shall obtain and thereafter at all times during the performance of the Work maintain a separate performance bond and labor and material payment bond for the Work, each in an amount equal to one hundred percent (100%) of the Contract Price and each in the form provided in the Contract Documents or in other form satisfactory to and approved in writing by Town and executed by a surety of recognized standing with a rating of B plus or better for bonds up to Two Million Dollars. The surety providing such Bonds must be licensed, authorized and admitted to do business in the State of Florida and must be listed in the Federal Register (Dept. of Treasury, Circular 570). The cost of the premiums for such Bonds is included in the Contract Price. If notice of any change affecting the Scope of the Work, the Contract Price, Contract Time or any of the provisions of the Contract Documents is required by the provisions of any bond to be given to a surety, the giving of any such notice shall be Contractor's sole responsibility, and the amount of each applicable bond shall be adjusted accordingly. If the surety is declared bankrupt or becomes insolvent or its right to do business in Florida is terminated or it ceases to meet applicable law or regulations, the Contractor shall, within five (5) days of any such event, substitute another bond (or Bonds as applicable) and surety, all of which must be satisfactory to Town.

7. CONTRACTOR'S REPRESENTATIONS AND WARRANTIES

7.1. In order to induce the Town to enter into this Contract, the Contractor makes the following representations and warranties:

7.1.1. Contractor represents the following:

7.1.1.1. Contractor has examined and carefully studied the Contract Documents and the other data identified in the bidding documents, including, without limitation, the "technical data" and plans and specifications and the Plans.

7.1.1.2. Contractor has visited the Project site and become familiar with and is satisfied as to the general and local conditions and site conditions that may affect cost, progress, performance or furnishing of the Work.

7.1.1.3. Contractor is familiar with and is satisfied as to all federal, state and local laws, regulations and permits that may affect cost, progress, performance and furnishing of the Work. Contractor agrees that it will at all times comply with all requirements of the foregoing laws, regulations and permits.

7.1.1.4. Contractor has made, or caused to be made, examinations, investigations, tests and/or studies as necessary to determine surface and subsurface conditions at or on the site. Contractor acknowledges that the Town does not assume responsibility for the accuracy or completeness of information and data shown or indicated in the Contract Documents with respect to underground or ground facilities at, contiguous or near the site or for existing improvements at or near the site. Contractor has obtained and carefully studied (or assumes responsibility for having done so) all such additional supplementary examinations, investigations, explorations, tests, studies and data concerning conditions (surface, subsurface and underground facilities and improvements) at, contiguous or near to the site or otherwise which may affect cost,

progress, performance or furnishing of the Work or which relate to any aspect of the means, methods, techniques, sequences and procedures of construction to be employed by Contractor and safety precautions and programs incident thereto. Contractor does not consider that any additional examinations, investigations, explorations, tests, studies or data are necessary for the performance and furnishing of the Work at the Contract Price, within the Contract Time and in accordance with the other terms and conditions of the Contract Documents.

7.1.1.5. Contractor is aware of the general nature of Work to be performed by the Town and others at the site that relates to the Work as indicated in the Contract Documents.

7.1.1.6. Contractor has correlated the information known to Contractor, information and observations obtained from visits to the site, reports and drawings identified in the Contract Documents and all additional examinations, investigations, explorations, tests, studies and data with the Contract Documents.

7.1.1.7. Contractor has given Town written notice of all conflicts, errors, ambiguities or discrepancies that Contractor has discovered in the Contract Documents and the written resolution thereof by Town is acceptable to Contactor, and the Contract Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.

7.1.1.8. The Contractor agrees and represents that it possesses the requisite qualifications and skills to perform the Work and that the Work shall be executed in a good and workmanlike manner, free from defects, and that all materials shall be new and approved by or acceptable to Town, except as otherwise expressly provided for in the Contract Documents. The Contractor shall cause all materials and other parts of the Work to be readily available as and when required or needed for or in connection with the construction, furnishing and equipping of the Project.

7.2. <u>No recovery for changed market conditions.</u>

7.2.1. In entering into the Contract, Contractor represents and warrants that it has accounted for any and all inflation-related events, recession, labor or material shortages, supply chain disruptions, delivery lead time, or price increases that may be caused by local and or national conditions, whether known or unknown at the time of entering into the Contract (the "Market Conditions"). Contractor further specifically represents and warrants that it has considered all impacts and potential impacts, including any current and future supply chain disruptions and labor shortages, associated with the following events: (1) worldwide pandemics including, but not limited to, COVID-19 and Monkey Pox (the "Pandemics") and (2) the current military conflict involving Russia and the Ukraine (the "Ukraine Military Conflict"). Contractor also represents and warrants that in determining time requirements for procurement, installation, and construction completion, Contractor has taken into account the impacts of Market Conditions, the Pandemics, and the Ukraine Military Conflict, and has included all of those factors in the Construction Schedule and Contract Sum.

7.2.2. Contractor shall not seek any price increases or time extensions relating to or arising from the impacts of any Market Conditions, the Pandemics or Ukraine Military Conflict.

7.2.3. The Town shall not make any adjustment in the Contract Sum or grant an extension to the Contract Time in connection with any failure by the Contractor to comply with the requirements of this Paragraph.

7.3. Contractor warrants the following:

7.3.1. Anti-Discrimination. Contractor agrees that it will not discriminate against any employees or applicants for employment or against persons for any other benefit or service under this Contract because of race, color, religion, sex, national origin, or physical or mental handicap where the handicap does not affect the ability of an individual to perform in a position of employment, and agrees to abide by all federal and state laws regarding non-discrimination.

7.3.2. Anti-Kickback. Contractor warrants that no person has been employed or retained to solicit or secure this Contract upon an agreement or understanding for a commission, percentage, brokerage or contingent fee, and that no employee or officer of the Town has any interest, financially or otherwise, in the Project. For breach or violation of this warranty, the Town shall have the right to annul this Contract without liability or, in its discretion, to deduct from the Contract Price or consideration, the full amount of such commission, percentage, brokerage or contingent fee.

7.3.3. Licensing. Contractor represents that it is a properly qualified and licensed contractor in good standing within the jurisdiction within which the Project is located. Contractor warrants that it shall have, prior to commencement of Work under this Contract and at all times during said Work, all required licenses from the federal, state, Miami-Dade County, Town, or other governmental or regulatory entity. Contractor acknowledges that it is the obligation of Contractor to obtain all licenses required for this Project, including Town building permits. Prior to commencement of the Work, the Contractor shall provide the Town with copies of all required licenses.

7.3.4. Permits. Contractor warrants that it shall have, prior to commencement of Work under this Contract and at all times during said Work, all required permits from the federal, state, Miami-Dade County, Town, or other governmental or regulatory entity with jurisdiction over the site that are necessary to perform the Work. Contractor acknowledges that it is the obligation of Contractor to obtain all permits required for this Project, including Town building permits. Prior to commencement of the Work, the Contractor shall provide the Town with copies of all required permits. Town building permit fees may be waived for this Project. If permits are required by any other governing body or agency, the Contractor shall be obligated to pay the fees.

7.4. <u>Defective Work; Warranty and Guarantee.</u>

7.4.1. Town shall have the authority to reject or disapprove Work which the Town finds to be defective. If required by the Town, Contractor shall promptly either correct all defective Work or remove such defective Work and replace it with non-defective Work. Contractor shall bear all direct, indirect and consequential costs of such removal or corrections including cost of testing laboratories and personnel.

7.4.2. Should Contractor fail or refuse to remove or correct any defective Work or to make any necessary repairs in accordance with the requirements of the Contract Documents within the time indicated in writing by the Town or its designee, Town shall have the authority to cause the defective Work to be removed or corrected, or make such repairs as may be necessary at Contractor's expense. Any expense incurred by Town in making such removals, corrections or repairs, shall be paid for out of any monies due or which may become due to Contractor. In the event of failure of Contractor to make all necessary repairs promptly and fully, Town may declare Contractor in default.

7.4.3. The Contractor shall unconditionally warrant and guarantee all labor, materials and equipment furnished and Work performed for a period of one (1) year from the date of Substantial Completion. If, within one (1) year after the date of substantial completion, any of the Work is found to be defective or not in accordance with the Contract Documents, Contractor, after receipt of written notice from Town, shall promptly correct such defective or nonconforming Work within the time specified by

Town without cost to Town. Should the manufacturer of any materials and equipment furnished provide for a longer warranty, then the Contractor shall transfer such warranty to the Town prior to Final Completion. Nothing contained herein shall be construed to establish a period of limitation with respect to any other obligation which Contractor might have under the Contract Documents including but not limited to any claim regarding latent defects. Contractor shall provide and assign to Town all material and equipment warranties upon completion of the Work hereunder.

7.4.4. Failure to reject any defective Work or material shall not in any way prevent later rejection when such defect is discovered.

8. DEFAULT, TERMINATION, AND SUSPENSION; REMEDIES

8.1. Termination for Cause. If Contractor fails to timely begin the Work, or fails to perform the Work with sufficient workers and equipment or with sufficient materials to ensure the prompt completion of the Work within the Contract Time or Final Completion Time as specified in Section 2, or shall perform the Work unsuitably, or cause it to be rejected as defective and unsuitable, or shall discontinue the prosecution of the Work pursuant to the accepted schedule or if the Contractor shall fail to perform any material term set forth in the Contract Documents or if Contractor shall become insolvent or be declared bankrupt, or commit any act of bankruptcy or insolvency, or shall make an assignment for the benefit of creditors, or from any other cause whatsoever shall not carry on the Work in an acceptable manner, Town may, upon seven (7) days after sending Contractor a written Notice of Termination, terminate the services of Contractor, exclude Contractor from the Project site, provide for alternate prosecution of the Work, appropriate or use any or all materials and equipment on the Project site as may be suitable and acceptable, and may finish the Work by whatever methods it may deem expedient. In such case Contractor shall not be entitled to receive any further payment until the Project is completed. All damages, costs and charges incurred by Town, together with the costs of completing the Project, shall be deducted from any monies due or which may become due to Contractor. In case the damages and expenses so incurred by Town shall exceed monies due Contractor from Town, Contractor shall be liable and shall pay to Town the amount of said excess promptly upon demand therefore by Town. In the event it is adjudicated that Town was not entitled to terminate the Contract as described hereunder for default, the Contract shall automatically be deemed terminated by Town for convenience as described below.

8.2. Termination for Convenience. This Contract may be terminated by the Town for convenience upon seven (7) calendar days' written notice to the Contractor. In the event of such a termination, the Contractor shall incur no further obligations in connection with the Project and shall, to the extent possible, terminate any outstanding subcontractor obligations. The Contractor shall be compensated for all services performed to the satisfaction of the Town. In such event, the Contractor shall promptly submit to the Town its Application for Payment for final payment which shall comply with the provisions of the Contract Documents.

8.3. Suspension of Contract. This Contract may be suspended for convenience by the Town upon seven (7) calendar days' written notice to the Contractor or immediately if suspended in connection with a local or state declaration of emergency. Suspension of the Work will entitle the Contractor to additional Contract Time as a non-compensable, excusable delay.

8.4. Termination Due to Lack of Funding. This Contract is subject to the conditions precedent that: (i) Town funds are available, appropriated, and budgeted for the Work, the Project, and/or Contract Price; (ii) the Town secures and obtains any necessary proceeds, grants, and/or loans for the accomplishment of the Work and/or the Project pursuant to any borrowing legislation adopted by the Town Council relative to the Project; and (iii) Town Council enacts legislation which awards and authorizes the execution of this Contract if such is required.

8.5. No Damages for Delay. No claim for damages or any claim, other than for an extension of time shall be made or asserted against Town by reason of any delays. Contractor shall not be entitled to an increase in the Contract Price or payment or compensation of any kind from Town for direct, indirect, consequential, impact or other costs, expenses or damages, including but not limited to, costs of acceleration or inefficiency, arising because of delay, disruption, interference or hindrance from any cause whatsoever, whether such delay, disruption, interference or hindrance be reasonable or unreasonable, foreseeable or unforeseeable, or avoidable or unavoidable or whether or not caused by Town. Contractor shall be entitled only to extensions of the Contract Time as the sole and exclusive remedy for such resulting delay.

8.6. Waiver of Consequential Damages. Contractor assumes all risks for the following items, none of which shall be the subject of any Change Order or Claim and none of which shall be compensated for except as they may have been included in the Contractor's Contract Price as provided in the Contract Documents: Loss of any anticipated profits, loss of bonding capacity or capability losses, loss of business opportunities, loss of productivity on this or any other project, loss of interest income on funds not paid, inefficiencies, costs to prepare a bid, cost to prepare a quote for a change in the Work, costs to prepare, negotiate or prosecute Claims, and loss of projects not bid upon, or any other indirect and consequential costs not listed herein. No compensation shall be made for loss of anticipated profits from any deleted Work.

8.7. Litigation of Claims. Mediation shall not be required before either party may proceed to litigation.

8.8. Rights and Remedies. The duties and obligations imposed by the Contract Documents and the rights and remedies available thereunder and in accordance with this Contract shall be in addition to and not a limitation of any duties, obligations, rights and remedies otherwise imposed or available by law.

9. CHANGES IN THE WORK

9.1. Change Orders.

9.1.1. Without invalidating the Contract Documents, and without notice to any Surety, the Town reserves the right to make increases, decreases or other changes in the character or quantity of the Work under the Contract Documents as may be considered necessary or desirable to complete the Work in a manner satisfactory to the Town. The Town reserves the right to order changes, which may result in additions to or reductions from the amount, type or value of the Work shown in the Contract, and which are within the general scope of the Contract Documents, and all such changes will be authorized only by a change order ("CO") approved in advance, and issued in accordance with provisions of the Contract Documents.

9.1.2. For Contractor initiated change orders, the Contractor is required to provide the Project Consultant with a detailed Request for Change Order ("RCO") in a form approved by the Town, which must include the requested revisions to the Contract, including, but not limited to, adjustments in the Contract Price and/or Contract Time. The Contractor must provide sufficient supporting documentation to demonstrate the reasonableness of the RCO. The Town may require Contractor to provide additional data including, but not limited to, a cost breakdown of material costs, labor costs, labor rates by trade, work classifications, and overhead rates to support the RCO. If applicable, the RCO must include any schedule revisions accompanied by an explanation of the cost impact of the proposed change. Failure to include schedule revisions in an RCO will be deemed as the Contractor's acknowledgement that the changes included in an RCO will not affect the project schedule.

9.1.3. Any modifications to the Contract Work, Contract Time, or Contract Price, must be effectuated through a written CO executed by both parties and, if required by the Town Code of Ordinances, approved by the Town Council.

9.1.4. In the event a satisfactory adjustment cannot be reached, and a CO has not been issued, given that time is of the essence, the Town reserves the right, at its sole option, to direct the Contractor to proceed on a time and materials basis or make such arrangements as may be deemed necessary to

complete the proposed additional Work at the unit prices provided in the Contract Documents. Where the Town directs the Contractor to proceed on a time and materials basis, the Town shall impose a maximum not-to-exceed amount and the Contractor must maintain detailed records of all labor and material costs including but not limited to payroll records and material receipts. Contractor must demonstrate its costs with sufficient evidence to be entitled to compensation from the Town.

9.2. Continuing the Work. Contractor must continue to perform all Work under the Contract Documents during all disputes or disagreements with Town, including disputes or disagreements concerning an RCO. Contractor shall not delay any Work pending resolution of any disputes or disagreements.

10. MISCELLANEOUS

10.1. No Assignment. Neither party shall assign the Contract or any sub-contract in whole or in part without the written consent of the other, nor shall Contractor assign any monies due or to become due to it hereunder, without the previous written consent of the Town Manager.

10.2. Contractor's Responsibility for Damages and Accidents.

10.2.1. Contractor shall accept full responsibility for the Work against all loss or damage of any nature sustained until final acceptance by Town and shall promptly repair any damage done from any cause.

10.2.2. Contractor shall be responsible for all materials, equipment and supplies pertaining to the Project. In the event any such materials, equipment and supplies are lost, stolen, damaged or destroyed prior to final acceptance by Town, Contractor shall replace same without cost to Town**.**

10.3. Governing Law. This Contract shall be construed in accordance with and governed by the laws of the State of Florida. Venue for any litigation arising out of this Contract shall be proper exclusively in Miami-Dade County, Florida.

10.4. Waiver of Jury Trial. TOWN AND CONTRACTOR KNOWINGLY, IRREVOCABLY, VOLUNTARILY AND INTENTIONALLY WAIVE ANY RIGHT EITHER MAY HAVE TO A TRIAL BY JURY IN STATE AND OR FEDERAL COURT PROCEEDINGS IN RESPECT TO ANY ACTION, PROCEEDING, LAWSUIT OR COUNTERCLAIM BASED UPON THE CONTRACT FOR CONSTRUCTION, ARISING OUT OF, UNDER, OR IN CONNECTION WITH THE CONSTRUCTION OF THE WORK, OR ANY COURSE OF CONDUCT, COURSE OF DEALING, STATEMENTS OR ACTIONS OR INACTIONS OF ANY PARTY.

10.5. Prevailing Party; Attorneys' Fees. In the event of any controversy, claim, dispute or litigation between the parties arising from or relating to this Contract (including, but not limited to, the enforcement of any indemnity provisions), the prevailing party shall be entitled to recover from the non-prevailing party all reasonable costs, expenses, paralegals' fees, experts' fees and attorneys' fees including, but not limited to, court costs and other expenses through all trial and appellate levels. In addition, the prevailing party shall be entitled to recover from the non-prevailing party all litigation costs associated with discovery, processing, management, hosting, and production of electronically stored information (ESI).

10.6. Compliance with Laws. The Contractor shall comply with all applicable laws, ordinances, rules, regulations, and lawful orders of public authorities in carrying out Services under this Agreement, and in particular shall obtain all required permits from all jurisdictional agencies to perform the Services under this Agreement at its own expense.

10.7. Examination and Retention of Contractor's Records.

10.7.1. The Town or any of its duly authorized representatives shall, for five (5) years after final payment under this Contract, have access to and the right to examine any of the Contractor's books, ledgers, documents, papers, or other records involving transactions related to this Contract for the purpose of making audit, examination, excerpts, and transcriptions. In addition, the Contractor agrees to comply specifically with the provisions of Section 119.0701, Florida Statutes.

10.7.2. The Contractor agrees to include in any subcontractor contracts for this Project corresponding provisions for the benefit of Town providing for retention and audit of records.

10.7.3. The right to access and examination of records stated herein and in any subcontracts shall survive termination or expiration of this Contract and continue until disposition of any mediation, claims, litigation or appeals related to this Project.

10.7.4. The Town may cancel and terminate this Contract immediately for refusal by the Contractor to allow access by the Town Manager or designees to any Records pertaining to work performed under this Contact that are subject to the provisions of Chapter 119, Florida Statutes.

10.8. Authorized Representative.

10.8.1. Before commencing the Work, Contractor shall designate a skilled and competent authorized supervisor and representative ("Authorized Representative") acceptable to Town to represent and act for Contractor and shall inform Town, in writing, of the name and address of such representative together with a clear definition of the scope of his authority to represent and act for Contractor. Contractor shall keep Town informed of any subsequent changes in the foregoing. Such representative shall be present or duly represented at the Project site at all times when Work is actually in progress. All notices, determinations, instructions and other communications given to the authorized representatives of Contractor shall be binding upon the Contractor.

10.8.2. The Authorized Representative, project managers, superintendents and supervisors for the Project are all subject to prior and continuous approval of the Town. If, at any time during the term of this Contract, any of the personnel either functionally or nominally performing any of the positions named above, are, for any reasonable cause whatsoever, unacceptable to the Town, Contractor shall replace the unacceptable personnel with personnel acceptable to the Town.

10.9. Taxes. Contractor shall pay all taxes, levies, duties and assessments of every nature which may be applicable to any Work under this Contract. The Contract Price and any agreed variations thereof shall include all taxes imposed by law at the time of this Contract. Contractor shall make any and all payroll deductions required by law. Contractor herein indemnifies and holds the Town harmless from any liability on account of any and all such taxes, levies, duties and assessments.

10.10. Utilities. Contractor shall, at its expense, arrange for, develop and maintain all utilities at the Project to perform the Work and meet the requirements of this Contract. Such utilities shall be furnished by Contractor at no additional cost to Town. Prior to final acceptance of the Work, Contractor shall, at its expense, satisfactorily remove and dispose of all temporary utilities developed to meet the requirements of this Contract.

10.11. Safety. Contractor shall be fully and solely responsible for safety and conducting all operations under this Contract at all times in such a manner as to avoid the risk of bodily harm to persons and damage to property and in full compliance with Occupational Safety and Health Act requirements and all other similar applicable safety laws or codes. Contractor shall continually and diligently inspect all Work, materials and equipment to discover any conditions which might involve such risks and shall be solely responsible for discovery and correction of any such conditions. Contractor shall have sole responsibility for implementing its safety program. Town shall not be responsible for supervising the implementation of Contractor's safety program, and shall not have responsibility for the safety of Contractor's or its subcontractor's employees. Contractor shall maintain all portions of the Project site and Work in a neat, clean and sanitary condition at all times. Contractor shall assure that subcontractors performing Work comply with the foregoing safety requirements.

10.12. Cleaning Up. Contractor shall, at all times, at its expense, keep its Work areas in a neat, clean and safe condition. Upon completion of any portion of the Work, Contractor shall promptly remove all of its equipment, construction materials, temporary structures and surplus materials not to be used at or near

the same location during later stages of Work. Upon completion of the Work and before final payment is made, Contractor shall, at its expense, satisfactorily dispose of all rubbish, unused materials and other equipment and materials belonging to it or used in the performance of the Work and Contractor shall leave the Project in a neat, clean and safe condition. In the event of Contractor's failure to comply with the foregoing, the same may be accomplished by Town at Contractor's expense.

10.13. Liens. Contractor shall not permit any mechanic's, laborer's or materialmen's lien to be filed against the Project site or any part thereof by reason of any Work, labor, services or materials supplied or claimed to have been supplied to the Project. In the event such a lien is found or claimed against the Project, Contractor shall within ten (10) days after notice of the lien discharge the lien or liens and cause a satisfaction of such lien to be recorded in the public records of Miami-Dade County, Florida, or cause such lien to be transferred to a bond, or post a bond sufficient to cause the Clerk of the Circuit Court of Miami-Dade County, Florida, to discharge such lien pursuant to Chapter 713.24, F.S. In the event Contractor fails to so discharge or bond the lien or liens within such period as required above, Town shall thereafter have the right, but not the obligation, to discharge or bond the lien or liens. Additionally, Town shall thereafter have the right, but not the obligation, to retain out of any payment then due or to become due Contractor, one hundred fifty percent (150%) of the amount of the lien and to pay Town 's reasonable attorneys' fees and costs incurred in connection therewith.

10.14. State Required Affidavits. By entering into this Agreement, the Contractor agrees to review and comply with the following state affidavit requirements:

10.14.1. Public Entity Crimes Affidavit. Contractor shall comply with Section 287.133, Florida Statutes (Public Entity Crimes Statute), notification of which is hereby incorporated herein by reference, including execution of any required affidavit.

10.14.2. Scrutinized Companies. Contractor certifies that it is not on the Scrutinized Companies that Boycott Israel List or engaged in a boycott of Israel. Pursuant to section 287.135, Florida Statues, the Town may immediately terminate this Agreement at its sole option if the Contractor is found to have submitted a false certification; or if the Contractor is placed on the Scrutinized Companies that Boycott Israel List or is engaged in the boycott of Israel during the term of the Agreement. If this Agreement is for more than one million dollars, the Contractor certifies that it is also not on the Scrutinized Companies with Activities in Sudan, Scrutinized Companies with Activities in the Iran Terrorism Sectors List, Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or engaged with business operations in Cuba or Syria as identified in Section 287.135, Florida Statutes. Pursuant to Section 287.135, Florida Statutes, the Town may immediately terminate this Agreement at its sole option if the Contractor is found to have submitted a false certification; or if the Contractor is placed on the Scrutinized Companies with Activities in Sudan List, Scrutinized Companies with Activities in the Iran Terrorism Sectors List, Scrutinized Companies with Activities in Iran Petroleum Energy Sector List, or engaged with business operations in Cuba or Syria during the term of the Agreement.

10.14.3. E-Verify Affidavit. In accordance with Section 448.095, Florida Statutes, the Town requires all contractors doing business with the Town to register with and use the E-Verify system to verify the work authorization status of all newly hired employees. The Town will not enter into a contract unless each party to the contract registers with and uses the E-Verify system. The contracting entity must provide of its proof of enrollment in E-Verify. For instructions on how to provide proof of the contracting entity's participation/enrollment in E-Verify, please visit: https://www.e-verify.gov/faq/how-do-i-provide-proof-of-my-participationenrollment-in-e-verify. By entering into this Agreement, the Contractor acknowledges that it has read Section 448.095, Florida Statutes; will comply with the E-Verify requirements imposed by Section 448.095, Florida Statutes, including but not limited to obtaining E-Verify affidavits from subcontractors; and has executed the required affidavit attached hereto and incorporated herein.

10.14.4. Noncoercive Conduct Affidavit. Pursuant to Section 787.06, Florida Statutes, a nongovernmental entity executing, renewing, or extending a contract with a governmental entity is required to provide an affidavit, signed by an officer or a representative of the nongovernmental entity under penalty of perjury, attesting that the nongovernmental entity does not use coercion for labor or services as defined in Section 787.06(2)(a), Florida Statutes. By entering into this Agreement, the Contractor acknowledges that it has read Section 787.06, Florida Statutes, and will comply with the requirements therein, and has executed the required affidavit attached hereto and incorporated herein.

10.14.5. Prohibition on Contracting with Entities of Foreign Concern. Pursuant to Section 287.138, Florida Statutes (which is expressly incorporated herein by reference), a governmental entity may not knowingly enter into a contract with an entity which would give access to an individual's personal identifying information if (a) the entity is owned by the government of a foreign country of concern; (b) the government of a foreign country of concern has a controlling interest in the entity; or (c) the entity is organized under the laws of or has its principal place of business in a foreign country of concern. By entering into this Agreement, the Contractor acknowledges that it has read Section 287.138, Florida Statutes, and complies with the requirements therein, and has executed the required affidavit attached hereto and incorporated herein.

10.15. Independent Contractor. The Contractor is an independent contractor under the Contract. This Contract does not create any partnership nor joint venture. Services provided by the Contractor shall be by employees of the Contractor and subject to supervision by the Contractor, and not as officers, employees, or agents of the Town. Personnel policies, tax responsibilities, social security and health insurance, employee benefits, purchasing policies and other similar administrative procedures, applicable to services rendered under the Contract shall be those of the Contractor.

10.16. Notices/Authorized Representatives. Any notices required by this Contract shall be in writing and shall be deemed to have been properly given if transmitted by hand-delivery, by registered or certified mail with postage prepaid return receipt requested, or by a private postal service, addressed to the parties (or their successors) at the addresses listed on the signature page of this Contract or such other address as the party may have designated by proper notice.

10.17. Ownership and Access to Records and Audits.

10.17.1. Contractor acknowledges that all inventions, innovations, improvements, developments, methods, designs, analyses, drawings, reports, compiled information, and all similar or related information (whether patentable or not) which relate to Services to the Town which are conceived, developed or made by Contractor during the term of this Contract ("Work Product") belong to the Town. Contractor shall promptly disclose such Work Product to the Town and perform all actions reasonably requested by the Town (whether during or after the term of this Contract) to establish and confirm such ownership (including, without limitation, assignments, powers of attorney and other instruments).

10.17.2. Contractor agrees to keep and maintain public records in Contractor's possession or control in connection with Contractor's performance under this Contract. The Town Manager or her designee shall, during the term of this Contract and for a period of five (5) years from the date of termination of this Contract, have access to and the right to examine and audit any records of the Contractor involving transactions related to this Contract. Contractor additionally agrees to comply specifically with the provisions of Section 119.0701, Florida Statutes. Contractor shall ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed, except as authorized by law, for the duration of the Contract, and following completion of the Contract until the records are transferred to the Town.

10.17.3. Upon request from the Town's custodian of public records, Contractor shall provide the Town with a copy of the requested records or allow the records to be inspected or copied within a

reasonable time at a cost that does not exceed the cost provided by Chapter 119, Florida Statutes, or as otherwise provided by law.

10.17.4. Unless otherwise provided by law, any and all records, including but not limited to reports, surveys, and other data and documents provided or created in connection with this Contract are and shall remain the property of the Town.

10.17.5. Upon completion of this Contract or in the event of termination by either party, any and all public records relating to the Contract in the possession of the Contractor shall be delivered by the Contractor to the Town Manager, at no cost to the Town, within seven (7) days. All such records stored electronically by Contractor shall be delivered to the Town in a format that is compatible with the Town's information technology systems. Once the public records have been delivered upon completion or termination of this Contract, the Contractor shall destroy any and all duplicate public records that are exempt or confidential and exempt from public records disclosure requirements.

10.17.6. Any compensation due to Contractor shall be withheld until all records are received as provided herein.

10.17.7. Contractor's failure or refusal to comply with the provisions of this section shall result in the immediate termination of this Contract by the Town.

10.17.8. Notice Pursuant to Section 119.0701(2)(a), Florida Statutes. IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS AGREEMENT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS: MAURICIO MELINU, TOWN CLERK, 10720 CARIBBEAN BLVD SUITE 110, CUTLER BAY, FL 33189, MMELINU@CUTLERBAY-FL.GOV.

11. SPECIAL CONDITIONS

The following provisions in this Section 10 supersede any other provisions contained in this Contract only to the extent of any conflict with same. These provisions are particular to a given transaction and are transaction specific:

11.1. Unsatisfactory Personnel.

11.1.1. Contractor must at all times enforce strict discipline and good order among its employees and subcontractors at the Project(s) site(s) and must not employ on any Work any unfit person or anyone not skilled in the Work to which they are assigned.

11.1.2. The Town may make written request to the Contractor for the prompt removal and replacement of any personnel employed or retained by the Contractor, or any or Subcontractor engaged by the Contractor to provide and perform services or Work pursuant to the requirements of the Contract Documents. The Contractor must respond to the Town within five (5) calendar days of receipt of such request with either the removal and replacement of such personnel or written justification as to why that may not occur. The Town will make the final determination as to the removal of unsatisfactory personnel from the Work. The Contractor agrees that the removal of any of such individual(s) does not require the termination or demotion of said individual(s).

11.2. Hours of Work. Contractor shall conform to and obey all applicable laws, regulations, or ordinances with regard to labor employed, hours of Work and Contractor's general operations. Contractor shall conduct

its operations so as not to interfere with or close any thoroughfare, without the written consent of the Town or governing jurisdiction. Work is anticipated to be performed Monday through Friday in accordance with the requirements and limitations of applicable law including, without limitation, the Town Code of Ordinances. The Contractor shall not perform Work beyond the time and days provided above without the prior written approval of the Town.

11.3. Maintenance of Traffic. Whenever required by the scope of Work, by federal, state, or local law, or requested by the Town to protect the public health, safety, and welfare, a Maintenance of Traffic ("MOT") must be performed in accordance with the applicable FDOT Index Numbers (600 Series) and as further stated herein. The manual on Uniform Traffic Control Devises for Streets and Highways (U.S. Department of Transportation, FHWA), must be followed in the design, application, installation, maintenance and removal of all traffic control devices, warning devices and barriers necessary to protect the public and workmen from hazards with the Project limits. Pedestrian and vehicular traffic must be maintained and protected at all times. Prior to commencement of the Work, Contractor must provide the Town with a proposed MOT plan for review. The Town may require revisions to the proposed MOT plan. The MOT plan must be updated by the Contractor every two weeks. Failure to provide an MOT plan may result in the issuance of a stop work order. The Contractor will not be entitled to additional Contract Time for delays resulting from its failure to provide the required MOT plan.

11.4. Royalties and Patents. All fees, royalties, and claims for any invention, or pretended inventions, or patent of any article, material, arrangement, appliance, or method that may be used upon or in any manner be connected with the Work or appurtenances, are hereby included in the prices stipulated in the Contract for said Work.

11.5. Substitutions. Substitution of any specified material or equipment requires the prior written acceptance of the Project Consultant. It is the sole responsibility of the Contractor to provide sufficient information and documentation to the Project Consultant to allow for a thorough review and determination on the acceptability of the substitution. Approval of a substitution does not waive or mitigate the Contractor's responsibility to meet the requirements of the Contract Documents. The Town may require an adjustment in price based on any proposed substitution.

11.6. Severe Weather Preparedness. During such periods of time as are designated by the United States Weather Bureau or Miami-Dade County as being a severe weather event, including a hurricane watch or warning, the Contractor, at no cost to the Town, must take all precautions necessary to secure any Work in response to all threatened storm events, regardless of whether the Contractor has been given notice of same, in accordance with the Miami-Dade County Code. Compliance with any specific severe weather event or alert precautions will not constitute additional work. Suspension of the Work caused by a threatened or actual storm event, regardless of whether the Town has directed such suspension, will entitle the Contractor to additional Contract Time as non-compensable, excusable delay.

11.7. Grant Funding. The Contractor acknowledges that the Work may be fully or partially funded utilizing funds from the grants listed below (the "Grant"). Accordingly, the Contractor warrants and represents that it has reviewed the terms and conditions for each Grant and will perform the Work in accordance with the terms and conditions of the Grant.

Grant Title	**Grant Agreement Exhibit**

If the Work will be funded utilizing Grant funds, the Town shall select this box:☐.

11.8. DBE Contract Assurance.

11.8.1. The Town affirms it has encouraged women-owned, minority-owned, and disadvantaged businesses of the Project and be responsive to the opportunity of the award of this Contract.

11.8.2. Contractor, or any subcontractor performing Work under this Contract, shall not discriminate on the basis of race, color, national origin, or sex in the performance of this Contract. Contractor shall carry out all applicable requirements of 49 CFE Part 26 in the award and administration of this Contract. Failure by the Contractor to carry out these requirements is a material breach of this Contract, which may result in the termination of this Contract or such other remedy as the Town deems appropriate.

11.9. Scrutinized Companies.

11.9.1. Contractor certifies that it and its subcontractors are not on the Scrutinized Companies that Boycott Israel List. Pursuant to Section 287.135, F.S., the Town may immediately terminate this Agreement at its sole option if the Contractor or its subcontractors are found to have submitted a false certification; or if the Contractor, or its subcontractors are placed on the Scrutinized Companies that Boycott Israel List or is engaged in the boycott of Israel during the term of the Agreement.

11.9.2. If this Agreement is for more than one million dollars, the Contractor certifies that it and its subcontractors are also not on the Scrutinized Companies with Activities in Sudan, Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or engaged with business operations in Cuba or Syria as identified in Section 287.135, F.S. Pursuant to Section 287.135, F.S., the Town may immediately terminate this Agreement at its sole option if the Contractor, its affiliates, or its subcontractors are found to have submitted a false certification; or if the Contractor, its affiliates, or its subcontractors are placed on the Scrutinized Companies with Activities in Sudan List, or Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or engaged with business operations in Cuba or Syria during the term of the Agreement.

11.9.3. The Contractor agrees to observe the above requirements for applicable subcontracts entered into for the performance of work under this Agreement.

11.9.4. As provided in Subsection 287.135(8), F.S., if federal law ceases to authorize the above-stated contracting prohibitions then they shall become inoperative.

[Remainder of page intentionally left blank. Signature pages follow.]

IN WITNESS WHEREOF, the parties hereto have caused this Contract to be executed the day and year as first stated above.

TOWN OF CUTLER BAY

By: _____
Rafael G. Casals, ICMA-CM, CFM
Town Manager

Town Resolution No.: _____

Attest:

By: _____
Mauricio Melinu, CMC
Town Clerk

Approved as to form and legal sufficiency:

By: _____
Weiss Serota Helfman Cole & Bierman, P.L.
Town Attorney

Addresses for Notice:
Town of Cutler Bay
Attn: Town Manager
10720 Caribbean Blvd., Suite 105
Cutler Bay, FL 33189
305-234-4262 (telephone)
305-234-4251 (fax)
RCasals@cutlerbay-fl.gov (email)

With a copy to:
Weiss Serota Helfman Cole & Bierman, P.L.
Attn: Mitchell Bierman, Esq.
Town Attorney
2800 Ponce de Leon Boulevard, Suite 1200
Coral Gables, FL 33134
mbierman@wsh-law.com (email)

CONTRACTOR

By: _____

Name: _____

Title: _____

Entity:

Addresses for Notice:
_____
_____
_____
_____
_____(telephone)
_____(email)

With a copy to:
_____
_____
_____
_____
_____(telephone)
_____(email)

E-VERIFY AFFIDAVIT

In accordance with Section 448.095, Florida Statutes, the Town requires all contractors doing business with the Town to register with and use the E-Verify system to verify the work authorization status of all newly hired employees. The Town will not enter into a contract unless each party to the contract registers with and uses the E-Verify system.

The contracting entity must provide of its proof of enrollment in E-Verify. For instructions on how to provide proof of the contracting entity's participation/enrollment in E-Verify, please visit: https://www.e-verify.gov/faq/how-do-i-provide-proof-of-my-participationenrollment-in-e-verify

By signing below, the contracting entity acknowledges that it has read Section 448.095, Florida Statutes and will comply with the E-Verify requirements imposed by it, including but not limited to obtaining E-Verify affidavits from subcontractors.

☐ **Check here to confirm proof of enrollment in E-Verify has been attached to this Affidavit.**

In the presence of:

_____
Witness #1 Print Name: _____

_____
Witness #2 Print Name: _____

Signed, sealed and delivered by:

_____
Print Name: _____
Title: _____
Entity Name: _____

ACKNOWLEDGMENT

State of Florida
County of _____

The foregoing instrument was acknowledged before me by means of ☐ physical presence or ☐ online notarization, this _____ day of _____, 20___, by _____ (name of person) as _____ (type of authority) for _____ _____ (name of party on behalf of whom instrument is executed).

_____
Notary Public (Print, Stamp, or Type as Commissioned)

_____Personally known to me; or
_____Produced identification (Type of Identification:_____)
_____Did take an oath; or
_____Did not take an oath

AFFIDAVIT ATTESTING TO
NONCOERCIVE CONDUCT FOR LABOR OR SERVICES

Effective July 1, 2024, Section 787.06, Florida Statutes, a nongovernmental entity executing, renewing, or extending a contract with a governmental entity is required to provide an affidavit, signed by an officer or a representative of the nongovernmental entity under penalty of perjury, attesting that the nongovernmental entity does not use coercion for labor or services as defined in Section 787.06(2)(a), Florida Statutes.

By signing below, **I hereby affirm under penalty of perjury that**:

1. I have read Section 787.06, Florida Statutes, and understand that this affidavit is provided in compliance with the requirement that, upon execution, renewal, or extension of a contract between a nongovernmental entity and a governmental entity, the nongovernmental entity must attest to the absence of coercion in labor or services.

2. I am an officer or representative of _____, a nongovernmental entity.

3. _____ does not use coercion for labor or services as defined in the relevant section of the law.

In the presence of:

Under penalties of perjury, I declare that I have read the foregoing and the facts stated in it are true:

_____
Witness #1 Print Name: _____

_____
Witness #2 Print Name: _____

_____
Print Name: _____
Title: _____
Entity Name: _____

OATH OR AFFIRMATION

State of Florida
County of _____

Sworn to (or affirmed) and subscribed before me by means of ☐ physical presence or ☐ online notarization, this ___ day of _____, 20___, by_____(name of person) as _____ (type of authority) for _____ (name of party on behalf of whom instrument is executed).

_____
Notary Public (Print, Stamp, or Type as Commissioned)

_____Personally known to me; or
_____Produced identification (Type of Identification:_____)
_____Did take an oath; or
_____Did not take an oath

AFFIDAVIT REGARDING PROHIBITION ON CONTRACTING WITH ENTITIES OF FOREIGN COUNTRIES OF CONCERN

Pursuant to Section 287.138, Florida Statutes (which is expressly incorporated herein by reference), a governmental entity may not knowingly enter into a contract with an entity which would give access to an individual's personal identifying information if (a) the entity is owned by ethe government of a foreign country of concern; (b) the government of a foreign country of concern has a controlling interest in the entity; or (c) the entity is organized under the laws of or has its principal place of business in a foreign country of concern.

This affidavit must be completed by an officer or representative of an entity submitting a bid, proposal, or reply to, or entering into, renewing, or extending, a contract with a governmental entity which would grant the entity access to an individual's personal identifying information.

1. _____ ("entity") does not meet any of the criteria in paragraphs (2)(a)-(c) of Section 287.138, F.S.

In the presence of:

Under penalties of perjury, I declare that I have read the foregoing and the facts stated in it are true:

_____
Witness #1 Print Name: _____

_____
Witness #2 Print Name: _____

_____
Print Name: _____
Title: _____
Entity Name: _____

OATH OR AFFIRMATION

State of Florida
County of _____

Sworn to (or affirmed) and subscribed before me by means of ☐ physical presence or ☐ online notarization, this ____ day of _____, 20____, by_____(name of person) as _____ (type of authority) for _____ (name of party on behalf of whom instrument is executed).

_____
Notary Public (Print, Stamp, or Type as Commissioned)

_____Personally known to me; or
_____Produced identification (Type of Identification:_____)
_____Did take an oath; or
_____Did not take an oath

SECTION 00610

PERFORMANCE BOND
ITB No. 25-04
SAGA BAY DRAINAGE IMPROVEMENTS PROJECT

STATE OF FLORIDA
COUNTY OF MIAMI-DADE

KNOW ALL MEN BY THESEPRESENTS, that_____as Principal, hereinafter called Contractor, and_____as Surety, hereinafter called Surety, are held and firmly bound unto the Town of Cutler Bay, as Obligee, hereinafter called Owner, in the amount of _____for the payment whereof Contractor and Surety bind themselves, their heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

WHEREAS, contractor has by written agreement dated_____, 20__, entered into a Contract with Owner for:

SAGA BAY DRAINAGE IMPROVEMENTS PROJECT
TOWN OF CUTLER BAY, FLORIDA

in accordance with Drawings and Specifications prepared by Town Engineer which Contract is by reference made a part hereof and is hereinafter referred to as the Contract.

NOW, THEREFORE, THE CONDITIONS OF THIS OBLIGATION ARE SUCH, that, if the Principal shall in all respects promptly and faithfully perform and comply with the terms and conditions of said Contract and his obligations thereunder and shall indemnify the Owner and the Consulting Engineer and save either or all of them harmless against and from all costs, expenses and damages arising from the performance of said Contract or the repair of any work thereunder, then this obligation shall be void; otherwise, this Bond shall remain in full force and effect, in accordance with the following terms and conditions:

A. The Principal and Surety jointly and severally agree to pay the Owner any difference between the sum to which the said Principal would be entitled on the completion of the Contract, and that sum which the Owner may be obliged to pay for the completion of said work by Contract or otherwise, and any damages, direct or indirect or consequential, which the said Owner may sustain on account of such work, or on account of the failure of said Contractor to properly and in all things, keep and execute all of the provision of said Contract.

B. And this Bond shall remain in full force and effect for a period of one (1) year from the date of acceptance of the project by the Owner and shall provide that the Contractor guarantees to repair or replace for said period of one (1) year all work performed and materials and equipment furnished that were not performed or furnished according to the terms of the Contract, and shall make good, defects thereof which have become apparent before the expiration of said period of one (1) year. If any part of the project, in the judgment of the Owner, for the reasons above stated needs to be replaced, repaired, or made good during that time, the Owner shall so notify the Contractor in writing. If the Contractor refuses or neglects to do such work within five (5) days from the date of service of such Notice, the Owner shall have the work done by others and the cost thereof shall be paid by the Contractor or his Surety.

C. And the said Surety, for value received hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Contract or to the work to be performed thereunder or the specifications accompanying the same shall in any way affect its obligations on this bond, and it does hereby waive Notice of any change, extension of time, alteration or addition to the terms of the Contract or to the work or to the Specifications.

D. The surety represents and warrants to the Owner that they have a Best's Key Rating Guide General Policyholder's Rating of "_____" and Financial Category of "Class_____".

IN WITNESS WHEREOF, the above bounded parties executed this instrument under their several seals, this___day of_____20___ A.D., the name and corporate seal of each Corporate party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

WITNESS: (If Sole Ownership or Partnership, two (2) Witnesses required)
(If Corporation, Secretary Only will attest and affix seal)

WITNESSES:

_____

_____

PRINCIPAL:

_____
Signature of Authorized Officer
(Affix Seal)

_____
Title

_____
Business Address

_____
City, State & Zip Code

WITNESSES:

_____

_____

SURETY:

_____
Corporate Surety

_____
Title

_____
Business Address

_____
City, State & Zip Code

_____
Name of Local Insurance Agency

CERTIFICATES AS TO CORPORATE PRINCIPAL

I,_____, certify that I am the Secretary of the Corporation names as Principal in the within Bond; that_____who signed the said bond on behalf of the Principal, was the_____of said Corporation; that I know his signature, and his signature hereto is genuine; and that said bond was duly signed, sealed, and attested for and on behalf of said Corporation by authority of its governing body.

_____
Secretary (Corporate Seal)

STATE OF FLORIDA
COUNTY OF MIAMI-DADE

Before me, a Notary Public, duly commissioned, qualified and acting, personally appeared _____To me well-known, who being by me first duly sworn upon oath, says that he is the Attorney-in-Fact, for the _____

_____and that he has been authorized by_____to execute the foregoing bond on behalf of the Contractor named therein in favor of the Town of Cutler Bay, Florida.

Sworn and subscribed to before me this____day of_____, 20 ___ A.D.

(Attach Power of Attorney)

_____
Notary Public - State of Florida
at Large
My Commission Expires:

SECTION 00620

PAYMENT BOND
ITB No. 25-04
SAGA BAY DRAINAGE IMPROVEMENTS PROJECT

STATE OF FLORIDA

COUNTY OF MIAMI-DADE

KNOW ALL MEN BYTHESE PRESENTS, that_____as Principal, hereinafter called Contractor, and_____as Surety, hereinafter called Surety, are held and firmly bound unto the Town of Cutler Bay, as Obligee, hereinafter called Owner, in the amount of _____ for the payment whereof Contractor and Surety bind themselves, their heirs, executors, administrators successors, and assigns, jointly and severally, firmly by these presents.

WHEREAS, Contractor has by written agreement dated_____, 20___, entered into a Contract with Owner for:

SAGA BAY DRAINAGE IMPROVEMENTS PROJECT
TOWN OF CUTLER BAY, FLORIDA

in accordance with Drawings and Specifications prepared by Town Engineer which Contract is by reference made a part hereof and is hereinafter referred to as the Contract.

NOW, THEREFORE, THE CONDITIONS OF THIS OBLIGATION ARE SUCH, that if the Principal shall promptly make payment to all claimants, as herein below defined, then this obligation shall be void; otherwise, this Bond shall remain in full force and effect, subject to the following terms and conditions:

A. A claimant is defined as any person supplying the Principal with labor, material and supplies, used directly or indirectly by the said Principal or any subcontractor in the prosecution of the work provided for in said Contract, and is further defined in Section 255.05(1) of the Florida Statutes.

B. The above named Principal and Surety hereby jointly and severally agree with the Owner that every claimant as herein defined, who has not been paid in full before the expiration of a period of ninety (90) days after performance of the labor or after complete delivery of materials and supplies by such claimant, may sue on this Bond for the use of such claimant, prosecute the suit to final judgment for such sum or sums as may be justly due claimant, and have execution thereon. The Owner shall not be liable for the payment of any costs or expenses of any such suit.

C. No suit or action shall be commenced hereunder by any claimant.

1. Unless claimant, other than one having a direct contract with the Principal, shall within forty-five (45) days after beginning to furnish labor, materials or supplies for the prosecution of the work, furnish the Principal with a notice that he intends to look to this bond for protection.

2. Unless claimant, other than one having a direct contract with the Principal, shall within ninety (90) days after such claimant's performance of the labor or complete delivery of materials and supplies, deliver to the Principal written notice of the performance of such labor or delivery of such material and supplies and the nonpayment therefore.

3. After the expiration of one (1) year from the performance of the labor or completion of delivery of the materials and supplies; it being understood, however, that if any limitation embodied in this Bond is prohibited by any law controlling the construction hereof such limitations shall be deemed to be amended so as to be equal to the minimum period of limitation permitted by such law.

4. Other than in a state court of competent jurisdiction in and for the county or other political subdivision of the state in which the project, or any part thereof, is situated, or in the United States District Court for the district in which the project, or any part thereof, is situated, and not elsewhere.

D. The Principal and the Surety jointly and severally, shall repay the Owner any sum which the Owner may be compelled to pay because of any lien for labor or materials furnished for any work included in or provided by said Contract.

E. The Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration of or addition to the terms of the Contract or to the work to be performed thereunder or the Specifications applicable thereto shall in any way affect its obligations on this Bond, and the Surety hereby waives notice of any such change, extension of time, alterations of or addition to the terms of the Contract, or to the work or to the Specifications.

F. The Surety represents and warrants to the Owner that they have a Best's Key Rating Guide General Policyholder's rating of "_____" and Financial Category of "Class _____".

IN WITNESS WHEREOF, the above bounded parties executed this instrument under their several seals, this_____day of_____20___, A.D., the name and corporate seal of each

corporate party being hereto affixed, and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

WITNESS: (If Sole Ownership or Partnership, two (2) Witnesses Required)
(If Corporation, Secretary Only will attest and affix seal)

WITNESSES:

_____

_____

PRINCIPAL:

_____
Signature of Authorized Officer
(Affix Seal)

_____
Title

_____
Business Address

_____
City, State & Zip Code

WITNESSES:

_____

_____

SURETY:

_____
Corporate Surety

_____
Title

_____
Business Address

_____
City, State & Zip Code

_____
Name of Local Insurance Agency

CERTIFICATES AS TO CORPORATE PRINCIPAL

I,_____, certify that I am the Secretary of the Corporation named as Principal in the within Bond; that_____who signed the said bond on behalf of the Principal, was then_____of said Corporation; that I know his signature, and his signature hereto is genuine; and that said bond was duly signed, sealed, and attested for and in behalf of said Corporation by authority of its governing body.

_____

Corporate Secretary [Seal]

STATE OF FLORIDA

COUNTY OF MIAMI-DADE

Before me, a Notary Public, duly commissioned, qualified and acting, personally appeared _____to be well known, who being by me first duly sworn upon oath, says that he is the Attorney-in-Fact, for the_____and that he has been authorized by to execute the foregoing bond on behalf of the Contractor named therein in favor of the Town of Cutler Bay, Florida.

Sworn and subscribed to before me this____day of_____, 20____ A.D.

(Attach Power of Attorney)

_____

Notary Public - State of Florida at Large
My Commission Expires:

SECTION 00650

CERTIFICATE OF INSURANCE
ITB No. 25-04
SAGA BAY DRAINAGE IMPROVEMENTS PROJECT

THIS IS TO CERTIFY THAT THE _____
(Insurance Company)

Address _____

of _____

has issued policies of insurance, as described below and identified by a policy number, to the insured named below; and to certify that such policies are in full force and effect at this time. It is agreed that none of these policies will be canceled or changed so as to affect the interest(s) of the Town of Cutler Bay (hereinafter sometimes called the Owner) until thirty (30) days after written notice of such cancellation or change has been delivered to the Town Clerk, copy to Engineer.

Insured _____

Address _____

Status of Insured:_____Corporation_____Partnership_____Individual

Location of Operations Insured _____

Description of Work:

SAGA BAY DRAINAGE IMPROVEMENTS PROJECT, TOWN OF CUTLER BAY, FLORIDA

INSURANCE POLICIES IN FORCE:

Forms of Coverage	**Policy Number**	**Exp. Date**
Workers Comp./Employers Liability	_____	_____
Comprehensive Automobile Liability	_____	_____
Comprehensive General Liability	_____	_____
Excess Liability	_____	_____
Other (Please specify type:_____)	_____	_____

_____

POLICY INCLUDES COVERAGE FOR:		YES	NO
1.	Additional Insured: Owner & Engineer	___	____
2.	Liability under the United States Longshoremen's and Harbor Workers' Compensation Act.	____	____
3.	All owned, hired, or nonowned automotive equipment used in connection with work done for the Owner.	____	____
4.	contractual Liability	____	____
5.	damage caused by explosion, collapse or structural injury, and damage to under-ground utilities.	____	____
6.	products/Completed Operations	____	____
7.	owners and Contractors Protective Liability	____	____
8.	personal Injury Liability	____	____
9.	Excess Liability applies excess of:	____	____
	(a) Employers Liability	____	____
	(b) Comprehensive General Liability	____	____
	(c) Comprehensive Automobile Liability	____	____

TYPES OF POLICY	FORMS OF COVERAGE	LIMITS OF LIABILITY
Workers' Compensation	Bodily Injury	$_____ Statutory
Employers Liability	Bodily Injury	$_____ Each Accident
	Disease	$_____ Each Person
	Disease	$_____ Policy Limit
Comprehensive Auto Liability	Combined Single Limit BI/PD	$_____ Each Accident

Comprehensive General Liability	Bodily Injury	$_____Each Occurrence
		$_____Aggregate
	Property Damage	$_____Each Occurrence
		$_____Aggregate
	OR	
	Combined Single Limit BI/PD	$_____Each Occurrence
		$_____Aggregate
Excess Liability	Combined Single Limit BI/PD	$_____Aggregate
Other		

The Insurance Company hereby agrees to deliver, within ten (10) days, two (2) copies of the above policies to the Engineer when so requested.

NOTE: Entries on this certificate are limited to the Authorized Agent or Insurance Company Representative.

Date_____ (SEAL) _____
Insurance Company

Issued at_____ _____
Authorized Representative

Insurance Agent or Company

Send original and one copy to:

Town of Cutler Bay
Department of Public Works
Town of Cutler Bay Town Hall
Attention: Mauricio Melinu, CMC., Town Clerk
10720 Caribbean Boulevard, Suite 105
Cutler Bay, Florida 33189

SECTION 00660

ACKNOWLEDGEMENT OF CONFORMANCE WITH O.S.H.A. STANDARDS
ITB No. 25-04
SAGA BAY DRAINAGE IMPROVEMENTS PROJECT

TO THE TOWN OF CUTLER BAY:

We,_____, hereby acknowledge and agree that as Contractors for the construction of SAGA BAY DRAINAGE IMPROVEMENTS PROJECT, TOWN OF CUTLER BAY, FLORIDA, Town Project No. ITB No. 25-04, within the limits of the Town of Cutler Bay, Florida, that we have the sole responsibility for compliance with all requirements of the Federal Occupational Safety and Health Act of 1970, and all State and Local Safety and Health regulations, and agree to indemnify and hold harmless the Town of Cutler Bay, and its Consulting Engineers against any and all legal liability or loss the Town, or the Engineer may incur due to _____failure to comply with such act.

_____ _____
ATTEST CONTRACTOR

_____ BY: _____
ATTEST NAME

_____
DATE

SECTION 00665

TRENCH SAFETY ACT COMPLIANCE
ITB No. 25-04
SAGA BAY DRAINAGE IMPROVEMENTS PROJECT

Bidder acknowledges that the Florida Trench Safety Act, Section 553.60 et. seq. which became effective October 1, 1990, shall be in effect during the period of construction of the project. The Bidder, by signing and submitting the bids, in writing, assuring that it will perform any trench excavation in accordance with applicable trench safety standards. The Bidder further identifies the following separate item of costs of compliance with the applicable trench safety standards as well as the methods of compliance:

Methods of Compliance

_____

_____

_____

Total $_____

Bidder acknowledges that this cost is included in the applicable items of the Proposal and in the Grand Total Bid Price. Failure to complete the above will result in the bid being declared non-responsive.

The Bidder is, and the Owner and Engineer are not, responsible to review or assess Bidder's safety precautions, programs or costs, or the means, methods, techniques or technique adequacy, reasonableness of cost, sequences or procedures of any safety precaution, program, or cost, including but not limited to, compliance with any and all requirements of Florida Statute Section 553.60 et. seq. cited as the "Trench Safety Act". Bidder is, and the Owner and Engineer are not, responsible to determine if any safety or safety related standards apply to the project, including but not limited to, the "Trench Safety Act."

_____
Signature of Authorized Representative (Manual)

_____
Name of Authorized Representative (Typed or Printed)

Sworn to and subscribed before me in the State and County first mentioned above on the day of_____, 20____.

_____ (Affix seal)
Notary Public
My Commission Expires:

SECTION 00700

ADDENDUM
ITB No. 25-04
SAGA BAY DRAINAGE IMPROVEMENTS PROJECT

SECTION 00800

SPECIAL CONDITIONS
ITB No. 25-04
SAGA BAY DRAINAGE IMPROVEMENTS PROJECT

1.1 SCOPE

A. This project consists of SAGA BAY DRAINAGE IMPROVEMENTS PROJECT within the Town of Cutler Bay, as shown on project manual.

1.2 NOTICES

A. In conformance with the requirements, all notices or other papers required to be delivered by the Contractor to the Owner shall be delivered to the office of the Owner's Engineer, at an address provided to the Contractor at the preconstruction conference.

1.3 COORDINATION OF PLANS, SPECIFICATIONS AND SPECIAL PROVISIONS

A. In case of discrepancy, computed dimensions shall govern over scaled dimensions; supplemental specifications shall govern over Standard Specifications; and Special Conditions shall govern over; Drawings, Supplemental and Standard Specifications.

1.4 LAYING OUT THE WORK

A. The Contractor shall be responsible for establishing all lines and grades together with all reference points as required by the various trades. All layout work shall be done using competent and experienced personnel under the supervision of a Land Surveyor registered in the State of Florida.

B. The Contractor shall provide all labor, instruments and stakes, templates, and other materials necessary for marking and maintaining all lines and grades. The lines and grades shall be subject to any checking the Owner or Engineer may decide necessary.

C. No separate cost item is provided for laying out the work, the cost of which is considered incidental to the work and shall be included in the unit prices for items in the Proposal.

D. The Contractor shall safeguard all existing and known Property corners, monuments, and marks adjacent to but not related to the work and shall bear the cost of re-establishing them if disturbed or destroyed. He shall also safeguard all points, stakes, grade marks, monuments and benchmarks made or established on the work, bear the cost of re-establishing them if disturbed and bear the cost of rectifying work improperly installed due to not maintaining or protecting or to removing without authorization such established points, stakes, and marks.

1.5 PRECONSTRUCTION CONFERENCE

A. The following parties will be asked to attend the Preconstruction Conference: BellSouth Telephone Company, Comcast Cable TV, Florida Power & Light Company, Town of Cutler Bay Public Works, City Gas Company of Florida, Miami-Dade Water and Sewer Department, and Miami-Dade County Public Works Department. At the preconstruction meeting, the Contractor shall present a construction phasing plan for the Engineers approval.

1.6 PERMITS AND LICENSES

A. Before starting work, the Contractor shall obtain and pay for all required licenses and permits.

1.7 CONTRACTOR'S OFFICE

A. The Contractor shall provide and maintain an office with telephone facilities where he or a responsible representative of his organization may be reached at any time while work is in progress. Such office may be at any location the Contractor considers desirable within Miami-Dade or Broward County.

1.8 USE OF EXPLOSIVES

A. No blasting shall be done.

1.9 USE OF PUBLIC STREETS

A. The use of public streets and alleys shall be such as to provide a minimum of inconvenience to the public and to other traffic. Certain elements of the work will be conducted off peak hours as specified in the Contract Documents. Any earth or other excavated material spilled from trucks shall be removed immediately by the Contractor and the streets cleaned to the satisfaction of the Owner.

1.10 CARE OF TREES, SHRUBS AND GRASS

A. The Contractor shall be fully responsible for maintaining in good condition all cultivated grass plots, trees, and shrubs. Where maintained shrubbery, grass strips or area must be removed or destroyed incident to the construction operation, the Contractor shall, after completion of the work, replace or restore to the original condition all destroyed or damaged sod, shrubbery, or grass areas. Tree limbs which interfere with equipment operation and are approved for pruning shall be neatly trimmed and the tree cut coated with a tree paint. The cost for restoration shall be included in the total Bid amount, no separate pay item for this work provided.

1.11 OBSTRUCTIONS

A. All water pipes, storm drains, force mains, gas or other piping, telephone or power cables or conduits, and all other obstructions, whether or not shown, shall be temporarily removed from or supported across pipeline excavations. Before disconnecting any pipes or cables, the Contractor shall obtain permission from the owner, or shall make suitable arrangements for their disconnection by the owner. The Contractor shall be responsible for any damage to any such pipes, conduits, or cables, and shall restore them to service promptly as soon as the work has progressed past the point involved. Approximate locations of known water, sanitary, drainage, power, and telephone installations along route of new pipelines or in vicinity of the work are shown but must be verified in the field by the Contractor. The Contractor shall uncover these pipes, ducts, cables, etc., carefully, by hand, to verify location and depth of cover. Any discrepancies or differences found shall be brought to the attention of the Owner and Engineer of Record in order that necessary changes may be made. These conditions are supplemental to general requirements elsewhere in these specifications. Where fences, walls or other man-made obstructions exist illegally in the public right-of-way, the Owner will have them removed upon adequate prior notice by the Contractor.

1.12 DAMAGE TO EXISTING STRUCTURES AND UTILITIES

A. The Contractor shall be responsible for and make good all damage to pavement and driveways beyond the limits of the work zone, to buildings, telephone or other cables, water pipes, sanitary pipes, or other structures which may be encountered, whether or not shown on the Drawings.

B. Information shown on the Drawings as to the location of existing utilities has been prepared from the most reliable data available to the Engineer. This information is not guaranteed, however, and it shall be this Contractor's responsibility to determine the location, character, and depth of any existing utilities. He shall assist the utility companies, by every means possible to determine said locations. Extreme caution shall be exercised to eliminate any possibility of any damage to utilities resulting from his activities.

1.13 NOTIFICATION TO UTILITY COMPANIES

A. The excavators shall comply with Florida Statute 553.851 regarding notification of existing gas and oil pipeline company owners and shall also notify "SUNSHINE STATE ONE CALL FOR FLORIDA, INC." at 1-(800)432-4770 prior to excavating. Evidence of such notice shall be furnished to the City prior to excavating.

1.14 TESTS

A. The Contractor will pay for all required tests. Generally, tests will be compaction and density tests, lime rock quality tests, concrete quality tests (cylinder breaks). On asphaltic concrete and pipe, the manufacturer's or supplier's certificate that the material meets the requirements of the specification will be accepted subject to verification by the Owner's Engineer. Any and all tests which have to be repeated because of the failure of the tested material to meet specifications shall be paid for by the Contractor and the costs of any such tests shall be deducted from payments due the Contractor. Water required for leakage tests shall be furnished by the Contractor.

B. Testing Frequencies

Concrete: Perform one (1) test per 50 C.Y., or at least one (1) per day if less than 50 C.Y.
One test shall consist of one (1) slump, temperature read and one (1) set of five (5) cylinders for compressive strength.

Roadway: For sub-grade perform one (1) density test every 500 L.F. each lane (100% T-99). Sample for proctor test.
For stabilized sub-grade, perform one (1) density test every 500 L.F. each lane (98% T-180). Sample for proctor test, and L.B.R.
For Lime rock Base, perform one (1) density test every 500 L.F. each lane (98% T-180). Use Pit Proctor.
For Curb Pad, perform one (1) density test every 1000 L.F. (98% T-180).

Drainage: For trenches, perform one (1) density test every 1000 L.F.

1.15 RECORD AS-BUILT DRAWINGS

A. During the entire construction operation, the Contractor shall maintain records of all deviations from the Drawings and Specifications and shall prepare therefrom "record" drawings showing correctly and accurately the locations of all improvements to reflect the work as it was actually constructed. The locations of all improvements shall be as surveyed and certified by a Land Surveyor licensed in the State of Florida and shall include edge of pavement and back of sidewalk elevations taken at 50-foot intervals and at high and low points, rim and invert elevations on all storm water inlets and manholes, trench bottom elevations on all trench drains taken

at 25-foot intervals and top of pipe elevations on all storm sewers taken at 25-foot intervals. These drawings shall consist of reproducible and shall conform to recognized standards of drafting, shall be neat and legible. One set of reproducible and one set of blue line prints shall be submitted to the Owner. Final acceptance of the project will be withheld until delivery of the set of "record" drawings is made to the Owner.

1.16 SUBSURFACE INVESTIGATION

A. The Contractor shall be responsible for having determined to his satisfaction, prior to the submission of his bid, the nature and location of the work, the conformation of the ground, the character and quality of the substrata, the types and quantity of materials to be encountered, the nature of the ground water conditions, the character of equipment and facilities needed preliminary to and during the execution of the work, the general and local conditions and all other matters which can in any way affect the work under this contract. The prices established for the work to be done will reflect all costs pertaining to the work. Any claims for extras based on substrata or ground water table conditions will not be allowed.

1.17 SUSPENSION OF WORK

A. Should the Owner be prevented or enjoined from proceeding with work either before or after the start of construction because of any litigation or other reason beyond the control of the Owner, the Contractor shall not be entitled to make or assert claim for damage by reason of said delay; but time for completion of the work will be extended to such reasonable time as the Owner may determine to compensate for time lost by such delay, with such determination to be set forth in writing.

1.18 PAYMENT FOR UTILITIES

A. The Contractor shall obtain the necessary utility service by making application for the service and paying such fees and charges required by the utility companies.

1.19 MAINTENANCE OF TRAFFIC

A. General:

1. The Contractor shall be responsible for the proper maintenance control and detour of traffic in the area of construction, during the course of construction. All traffic control and maintenance procedures shall be in accordance with the requirements of the Florida Department of Transportation and Miami-Dade County traffic engineering and the Town of Cutler Bay. It shall be the Contractor's responsibility, as Bidder, prior to submitting his Bid, to determine the requirements of these agencies so that his Proposal reflects all costs to be incurred, including the costs to hire off-duty police officers as required. No claims for additional payment will be considered for costs incurred in the proper maintenance, control, detour and protection of traffic.

2. Traffic shall be maintained at all times where practical and as more particularly specified hereinafter. No traffic shall be detoured without prior knowledge and approval of the respective traffic control agency having

jurisdiction. The Contractor shall notify such agencies 48 hours in advance of such time he proposes to detour traffic.

3. The Contractor shall keep all law enforcement, fire protection and ambulance agencies informed, in advance, of his construction schedules, and shall notify all such agencies, 48 hours in advance, in the event of detour of any roadway.

4. All traffic control signs and devices, barricades, flashers, flambeaus, and similar devices shall be furnished and maintained by the Contractor.

5. Excavated or other material stored adjacent to or partially upon a roadway pavement shall be adequately marked for traffic and pedestrian safety at all times. Necessary access to adjacent property shall be provided at all times.

6. The work shall be conducted in a manner to cause the least possible interruption to traffic. Where traffic must cross excavations, the Contractor shall provide suitable bridges at street intersections and driveways.

7. The Contractor shall notify all businesses in the area that will be affected by the proposed detour or lane closure, 48 hours in advance of proposed work.

8. The Contractor shall provide access to all private property and driveways at all times.

1.20 BARRICADES AND PROTECTION OF WORK

A. The Contractor shall protect his work throughout its length by the erection of suitable barricades and handrails, where required. He shall further indicate this work at night by the maintenance of suitable lights or flares, especially along or across through-fares. Wherever it is necessary to cross a public walk, he shall provide suitable safe walkways with hand railings. He shall also comply with all laws or ordinances covering the protection of such work and the safety measures to be employed therein. The Contractor shall carry out his work so as not to deny access to private property. All utility access manholes, valves, fire hydrants and letter boxes shall be kept accessible at all times.

SECTION 00900

SUMMARY OF WORK
ITB No. 25-04
SAGA BAY DRAINAGE IMPROVEMENTS PROJECT

1. GENERAL

1.1 DESCRIPTION

A. Work included: Listing of Significant Items:

1. Work Sequence
2. Contractor Use of Sites
3. Owner Use of Facilities
4. Coordination

1.2 WORK COVERED BY CONTRACT DOCUMENTS

A. Work for this contract comprises work to be performed on the project entitled: **SAGA BAY DRAINAGE IMPROVEMENTS PROJECT** Town of Cutler Bay, Florida, as shown, described, and detailed within this project manual and on the project plans and specifications. The improvements include required drainage improvements as well as any necessary asphalt resurfacing, sidewalk repairs and improvements, and pavement markings.

1.3 WORK SEQUENCE

A. Construct Work in phases to accommodate Owner's Service requirements during construction period.

B. Coordinate construction schedule and operations with Engineer.

1.4 CONTRACTOR USE OF SITES

A. Limit use of sites for Work and for construction operations, to allow for:

1. Owner servicing areas with municipal services.
2. Work by other contractors.
3. Public and Florida Power and Light access to adjacent properties.

B. Limit access to construction area.

C. Coordinate use of sites under direction of Engineer.

1.5 OWNER USE OF FACILITIES

A. Owner will require use of roadway during entire period of construction.

B. Cooperate with Owner to minimize conflict, and to facilitate Owner's servicing of area's municipal service needs.

SECTION 01000

MEASUREMENT AND PAYMENT
ITB No. 25-04
SAGA BAY DRAINAGE IMPROVEMENTS PROJECT

1. GENERAL

1.1 DESCRIPTION

A. The Contractor shall receive and accept the compensation provided in the Proposal and the Contract as full payment for furnishing all materials, labor, tools and equipment, for performing all operations necessary to complete the work under the Contract, and also in full payment for all loss or damages arising from the nature of the work, or from any discrepancy between the actual quantities of work and quantities herein estimated by the Engineer/Architect, or from the action of the elements or from any unforeseen difficulties which may be encountered during the prosecution of the work until the final acceptance by the Owner.

B. The prices stated in the proposal include all costs and expenses for taxes, labor, equipment, materials, commissions, transportation charges and expenses, patent fees and royalties, labor for handling materials during inspection, together with any and all other costs and expenses for performing and completing the work as shown on the Drawings and specified herein.

C. The Contractor's attention is again called to the fact that the quotations for the various items of work are intended to establish a total price for completing the work in its entirety. Should the Contractor feel that the cost for any item of work has not been established by the Bid Form or Payment Items, he shall include the cost for that work in some other applicable bid item, so that his proposal for the project does reflect his total price for completing the work in its entirety.

1.2 MEASUREMENT

A. The quantities for payment under this Contract shall be determined by measurements of the completed items, in place, ready for service and accepted by the Owner.

1.3 PAYMENT ITEMS

A. Basis of Payment

Contract prices for the various work items are intended to establish a total price for completing the project in its entirety. The Contractor shall include in the Bid price any work item and materials for which a separate pay item has not been included in the Bid Form. All work and incidental costs shall be included for payment under the several scheduled items of the overall contract, and no separate payment will be made therefor.

SECTION 01010

SUBMITTALS AND SUBSTITUTIONS
ITB No. 25-04
SAGA BAY DRAINAGE IMPROVEMENTS PROJECT

1. GENERAL

1.1 SECTION INCLUDES:

A. Work included: Make submittals required by the Contract Documents, and revise and resubmit as necessary to establish compliance with the specified requirements.

1.2 RELATED SECTIONS:

A. Documents affecting work of Sections in Division 1 of these Specifications.

B. Individual requirements for submittals also may be described in pertinent Sections of these Specifications.

C. Work not included:

1. Submittals which are not required will not be reviewed by the Engineer.

2. The Contractor may require his subcontractors to provide drawings, setting diagrams, and similar information to help coordinate the Work, but such data shall remain between the Contractor and his subcontractors and will not be reviewed by the Engineer.

1.3 SUBMITTALS FOR REVIEW

A. Make submittals of Shop Drawings, Samples, substitution requests, and other items in accordance with the provisions of this Section.

1.4 QUALITY ASSURANCE

A. Coordination of submittals:

1. Prior to each submittal, carefully review and coordinate all aspects of each item being submitted.

2. Verify that each item and the submittal for it conform in all respects with the specified requirements.

3. By affixing the Contractor's signature to each submittal, certify that this coordination has been performed.

B. Substitutions:

1. The Contract is based on the standards of quality established in the Contract Documents. Substitutions will be considered only when listed at time of bidding, on the Contractors letterhead and when substantiated by the Contractor's submittal of required data within 10 calendar days after the bid opening.

2. The following products do not require further approval except for interface within the Work:

   a. Products specified by reference to standard specifications such as ASTM and similar standards.

   b. Products specified by manufacturer's name and catalog model number.

3. Do not substitute materials, equipment, or methods unless such substitution has been specifically approved in writing for this Work by the Engineer.

C. "Or Equal":

1. Where the phrase "or equal," or "or equal as approved by the Architect/Engineer," occurs in the Contract Documents, do not assume that the materials, equipment, or methods will be approved as equal unless the item has been specifically so approved for this Work by the Engineer.

2. The decision of the Engineer shall be final.

2. PRODUCTS

2.1 SHOP DRAWINGS

A. Scale and measurements: Make Shop Drawings accurately to a scale sufficiently large to show all pertinent aspects of the item and its method of connection to the Work.

B. Types of prints required:

1. Submit Shop Drawings in the form of three blue line or black line prints of each sheet.
2. Blueprints alone will not be acceptable.

C. Review comments of the Engineer will be shown on the blue line or black line when it is returned to the Contractor. The Contractor may make and distribute such copies as are required for his purposes.

2.2 MANUFACTURER'S LITERATURE

A. Where contents of submitted literature from manufacturers include data not pertinent to the submittal, clearly show which portions of the contents is being submitted for review.

B. Submit the number of copies which are required to be returned, plus one copy which will be retained by the Engineer.

2.3 SAMPLES (ONLY IF REQUIRED IN OTHER SECTIONS)

A. Provide Sample of Samples identical to the precise article proposed to be provided. Identify as described under "Identification of submittals" below.

B. Number of Samples required:

1. Unless otherwise specified, submit Samples, in the quantity which is required to be returned, plus one which will be retained by the Engineer.

2. By prearrangement in specific cases, a single Sample may be submitted for review and, when approved, be installed in the Work at a location agreed upon by the Engineer.

3. EXECUTION

3.1 IDENTIFICATION OF SUBMITTALS

A. Consecutively number all submittals.

1. When material is resubmitted for any reason, transmit under a new letter of transmittal and with a new transmittal number.

2. On resubmittals, cite the original submittal number for reference.

B. Accompany each submittal with a letter of transmittal showing all information required for identification and checking.

C. On at least the first page of each submittal, and elsewhere as required for positive identification, show the submittal number in which the item was included.

D. Maintain an accurate submittal log for the duration of the Work, showing current status of all submittals at all times. Make the submittal log available to the Engineer for his review upon request.

3.2 GROUPING OF SUBMITTALS

A. Unless otherwise specified, make submittals in groups containing all associated items to assure that information is available for checking each item when it is received.

B.

1. Partial submittals may be rejected as not complying with the provisions of the Contract.
2. The Contractor may be held liable for delays so occasioned.

3.3 TIMING OF SUBMITTALS

A. Make submittals far enough in advance of scheduled dates for installation to provide time required for reviews, for securing necessary approvals, for possible revisions and resubmittals, and for placing orders and securing delivery.

B. In scheduling, allow at least ten working days for review by the Engineer following his receipt of the submittal.

3.4 ENGINEER'S REVIEW

A. Review by the Engineer does not relieve the Contractor from responsibility for errors which may exist in the submitted data.

B. Revisions:

1. Make revisions required by the Engineer.
2. If the Contractor considers any required revision to be a change, he shall so notify the Engineer within ten calendar days in writing.
3. Make only those revisions directed or approved by the Engineer.

C. Reimbursement of Engineer's costs:

1. In the event substitutions are proposed to the Engineer after the Contract has been awarded, the Engineer will record all time used by him and by his consultants in evaluation of each such proposed substitution.
2. Whether or not the Engineer approves a proposed substitution, the Contractor promptly upon receipt of the Engineer's billing shall reimburse the Engineer at the rate of three times the direct cost to Engineer and his consultants for all time spent by them in evaluating the proposed substitution.

SECTION 01025

MAINTENANCE OF TRAFFIC
ITB No. 24-05
SAGA BAY DRAINAGE IMPROVEMENTS PROJECT

1. GENERAL

1.1 DESCRIPTION

A. The Contractor shall furnish all equipment, supplies, personnel, labor, and services to accomplish maintenance of traffic at all locations required to complete this project and as authorized by the Engineer.

B. The intent is to maintain safe and expeditious movement of traffic around every work area where the public may be exposed to the potential hazards of the contract operations.

C. The term "Maintenance of Traffic" as used in the contract drawings or in these Specifications shall mean the maintenance of traffic movement through and/or around any work site within a public right-of-way in a manner such as to provide minimum disruption and maximum safety to both the public and project personnel and equipment.

1.2 QUALITY ASSURANCE

A. Maintenance of Traffic in the public rights-of-way shall be in strict accordance with the manual of uniform traffic control devices (M.U.T.C.D.).

B. Maintenance of Traffic on F.D.O.T. roads shall be as indicated on the contract drawings and as specified in F.D.O.T. index 600.

C. All traffic control and warning devices so specified; which are not on F.D.O.T. roadways, shall unless otherwise specified by the Department of Traffic and Transportation, be furnished, installed according to the Miami-Dade County Public Works Manual, part I, Standard Details (No. R-19 series), and maintained by the contractor involved.

D. When required by the Town of Cutler Bay, supervision of traffic control and safety by a Uniformed Police Officer shall be furnished by the Contractor without cost to the Town. The Contractor is required to retain the services of the Town of Cutler Bay Police Officers for the supervision. Further, any and all additional traffic measures deemed necessary by such officers shall be carried out by the Contractor
without cost to the Town.

1.3 ADDITIONAL REQUIREMENTS

A. All open trenches and holes adjacent to roadway or walkways shall be properly marked and barricaded to assure the safety of both vehicular and pedestrian traffic.

B. No trenches or holes near walkways, in roadways or their shoulders are to be left open during night-time hours without express permission of the Town of Cutler Bay, Public Works Department and the Engineer, in writing. Trenches shall be backfilled or covered with steel plates.

[SPACE LEFT INTENTIONALLY BLANK]

SECTION 01340

PRODUCT HANDLING
ITB NO. 25-04
SAGA BAY DRAINAGE IMPROVEMENTS PROJECT

1. GENERAL

1.1 SECTION INCLUDES

A. Work included: Protect products scheduled for use in the Work by means including, but not necessarily limited to, those described in this Section.

1.2 RELATED SECTIONS

A. Documents affecting work of this Section include but are not necessarily limited to Sections in Division 1 of the Specifications.

B. Additional procedures also may be prescribed in other Sections of these Specifications.

1.3 QUALITY ASSURANCE

A. Include within the Contractor's quality assurance program such procedures as are required to assure full protection of work and materials.

1.4 MANUFACTURER'S RECOMMENDATIONS

A. Except as otherwise approved by the Engineer determine and comply with manufacturer's recommendations on product handling, storage, protection, and installation.

1.5 PACKAGING

A. Deliver products to the job site in their manufacturer's original container with labels intact and legible.

1. Maintain packaged materials with seals unbroken and labels intact until time of use.

2. Promptly remove damaged material and unsuitable items from the job site, and promptly replace with material meeting the specified requirements, at no additional cost to the Owner.

B. The Engineer may reject as non-complying such material and products that do not bear identification satisfactory to the Engineer as to manufacturer, grade, quality, and other pertinent information.

1.6 PROTECTION

A. Protect finished surfaces, including jambs and soffits of openings used as passageways, through which equipment and materials are handled.

B. Provide protection for finish floor surfaces in traffic areas prior to allowing equipment or materials to be moved over such surfaces.

C. Maintain finished surfaces clean, unmarred, and suitably protected until accepted by the Owner.

1.7 REPAIRS AND REPLACEMENTS

A. In the event of damage, promptly make replacements and repairs to the approval of the Engineer and at no additional cost to the Owner.

B. Additional time required to secure replacements and to make repairs will not be considered by the Engineer to justify an extension in the Contract Time of Completion.

[SPACE LEFT INTENTIONALLY BLANK]

SECTION 01550

SUBSURFACE INVESTIGATION
ITB No. 25-04
SAGA BAY DRAINAGE IMPROVEMENTS PROJECT

1. GENERAL

1.1 DESCRIPTION

A. Bidders should visit the site and acquaint themselves with existing conditions.

B. Prior to bidding, bidders may make their own subsurface investigation to satisfy themselves as to site and subsurface conditions, but such investigations may be performed only under time schedules and arrangements approved in advance by the Engineer.

1.2 QUALITY ASSURANCE

A. Readjust work performed that does not meet technical or design requirements, but make no deviation from the Contract Documents without specific and written approval from the Engineer.

SECTION 01640

SITE WORK
ITB No. 25-04
SAGA BAY DRAINAGE IMPROVEMENT PROJECT

1. GENERAL

1.1 CLEARING AND GRUBBING

A. All roots, stumps, and other perishable matter shall be removed to a depth of two feet (2') below existing ground in areas of fill or two feet (2') below the finished subgrade surface in areas of excavation. The entire area shall be cleared of heavy vegetation, grass, roots and other perishable material before excavation or fill is started. Any holes or depressions resulting from the removal of stumps, roots, etc. shall be immediately filled with acceptable material, and brought to the same degree of compaction as the surrounding area. Any trees, poles, structures, etc. designated for preservation shall be protected and left standing. The Contractor shall remove from the job site, and dispose of, all timber, stumps, roots, and objectionable material resulting from clearing and grubbing. All trees and shrubs scheduled for removal shall be removed under this section. No extra cost shall be allowed for tree removal unless otherwise shown on bid proposal.

SECTION 02010

SHORING AND BRACING OF EXCAVATIONS
ITB No. 25-04
SAGA BAY DRAINAGE IMPROVEMENTS PROJECT

1. GENERAL

1.1 DESCRIPTION

A. Work included: Provide shoring at excavations and elsewhere as required to protect workmen, materials, other properties, and the public.

B. Related Work:

1. Documents affecting work of this Section include but are not necessarily limited to Sections in Division 1 of these Specifications.

2. The Contractor is solely responsible for means and methods of construction and for the sequences and procedures to be used.

1.2 QUALITY ASSURANCE

A. Use adequate numbers of skilled workmen who are thoroughly trained and experienced in the necessary crafts and who are completely familiar with the specified requirements and the methods needed for proper performance of the work of this Section.

B. Employ a professional engineer registered in the State of Florida, who is qualified to design the shoring system and to inspect and report on the quality of its construction. All plans must bear the signature and seal of this engineer.

C. Comply with pertinent requirements of governmental agencies having jurisdiction, and with the Florida Trench Safety Act (See Section 00665).

1.3 SUBMITTALS

A. Comply with pertinent provisions of Section 01340.

B. Prior to submitting shoring design for approval of governmental agencies having jurisdiction, submit the design to the Engineer for review.

1. Should changes in the shoring design be required subsequent to the Engineers review, coordinate all such changes with the Engineer and secure the Engineer approval of changes in space allocations.

C. Upon completion of construction of this portion of the Work, submit to the Engineer two copies of a letter signed by the approved shoring design engineer stating that, to the best of the shoring design engineer's knowledge, the shoring system was constructed in accordance with the arrangement reviewed by the Engineer.

2. PRODUCTS

2.1 DESIGN

A. Design a shoring system which will safely and adequately prevent collapse of adjacent materials, and which will permit construction of the Work to the arrangement shown on the Drawings.

B. Secure all needed approvals, including those of governmental agencies having jurisdiction and of adjacent property owners if required, at no additional cost to the Owner.

2.2 MATERIALS

A. Provide materials of all kinds as required for execution of the approved shoring system.

3. EXECUTION

3.1 SURFACE CONDITIONS

A. Examine the areas and conditions under which work of this Section will be performed. Correct conditions detrimental to timely and proper completion of the Work. Do not proceed until unsatisfactory conditions are corrected.

3.2 INSTALLATION

A. Construct and install the shoring system in strict accordance with the design approved by the governmental agencies having jurisdiction, and in strict accordance with the space arrangement approved by the Engineer.

SECTION 02020

EARTHWORK FOR UTILITY STRUCTURES
ITB No. 25-04
SAGA BAY DRAINAGE IMPROVEMENTS PROJECT

1. GENERAL

1.1 DESCRIPTION

A. Work included: Excavation, backfilling, and compaction for the installation of utility structures and related construction.

B. Related Work:

1. Documents affecting work of this Section include but are not necessarily limited to Sections in Division 1 of these Specifications.

1.2 QUALITY ASSURANCE

A. Codes and Standards: Perform excavation work in compliance with applicable requirements of authorities having jurisdiction.

B. Testing and Inspection Services: Contractor shall employ and pay for a qualified independent geotechnical testing laboratory to perform soil testing and inspection service during earthwork operations.

C. Testing Laboratory Qualifications: To qualify for acceptance, the geotechnical testing laboratory must demonstrate to the Engineer's satisfaction, based on evaluation of laboratory-submitted criteria conforming to ASTM E 699, that it has the experience and capability to conduct required field and laboratory geotechnical testing without delaying the progress of the Work.

1.3 SUBMITTALS

A. Test Report: Submit the following reports directly to the Engineer from the testing services, with a copy to the Contractor:

1. Verification of suitability of each footing sub-grade material, in accordance with specified the requirements.
2. Field reports; in-place soil density tests.
3. Report of actual unconfined compressive strength and/or results of bearing tests of each strata tested.

1.4 PROJECT CONDITIONS

A. Site Information:

1. Test borings and exploratory operations may be performed by Contractor, at the Contractor's option; however, no change in the Contract Sum will be authorized for such exploration.

B. Existing Utilities: Locate existing underground utilities in areas of excavation of work. If utilities are indicated to remain in place, provide adequate means of support and protection during earthwork operations.
   1. Should uncharted, or incorrectly charted, piping, or other utilities be encountered during excavation, consult Engineer immediately for directions. Cooperate with Owner and utility companies in keeping respective services and facilities in operation. Repair any damaged utilities to the satisfaction of utility owner.
   2. Do not interrupt existing utilities serving facilities occupied by owner or others, during occupied hours, except when permitted in writing by the Engineer; and then only after acceptable temporary utility services have been provided.
   3. Provide a minimum of 48-hour notice to the Engineer and receive written notice to proceed before interrupting any utility.

C. Use of Explosives: Use of explosives is not permitted.

D. Protection of Persons and Property: Barricade open excavations occurring as part of this work and post with warning lights.
   1. Operate warning lights as recommended by authorities having jurisdiction.
   2. Protect building structures, utilities, sidewalks, pavements, and other facilities from damage caused by settlement, lateral movement, undermining, washout, and other hazards created by earthwork operations.
   3. Perform excavation by hand within dripline of large trees to remain. Protect root systems from damage or dry-out to the greatest extent possible. Maintain moist conditions for root system and cover exposed roots with moistened burlap.

2. PRODUCTS

2.1 SOIL MATERIALS

A. Satisfactory soil materials are defined as those complying with ASTM D2487 soil classification groups GW, GP, GM, SM, SW, and SP.

B. Unsatisfactory soil materials are defined as those complying with ASTM D3487 soil classification groups GC, SC, ML, MH, CL, CH, OL, OH, and PT.

C. Sub-base Material: Naturally or artificially graded mixture of natural or crushed gravel, crushed stone, crushed slag, crushed lime rock and natural or crushed sand.

D. Backfill and Fill Materials: Satisfactory soil materials free of clay, rock, or gravel larger than 2 inches in any dimension, debris, waste, frozen materials, vegetation and other deleterious matter.

3. EXECUTION

3.1 EXCAVATION

A. Excavation is unclassified and includes excavation to subgrade elevations indicated, regardless of character of materials and obstructions encountered. the Work. Do not proceed until unsatisfactory conditions are corrected.

B. Excavation Classifications: The following classifications of excavation will be made when rock is encountered:

1. Earth Excavation includes excavation of pavements and other obstructions visible on surface; underground structures, utilities, and other items indicated to be demolished and removed; together with earth and other materials encountered that are not classified as rock or unauthorized excavation.
2. Rock excavation for trenches and pits includes removal and disposal of materials and obstructions encountered that cannot be excavated with a track mounted power excavator, equivalent to Caterpillar Model No. 215CLC, and rated at not less than 115 HP flywheel power and 32,000-pound drawbar pull and equipped with a short stick and a 42-inch wide, short tip radius rock bucket rated at 0.81 cubic yard (heaped) capacity. Trenches in excess of 10 feet in width and pits in excess of 30 feet in either length or width are classified as open excavation.
3. Rock excavation in open excavations includes removal and disposal of materials and obstructions encountered that cannot be dislodged and excavated with modern, track-mounted, heavy-duty excavating equipment is defined as Caterpillar Model No. 973 or equivalent track-mounted loader, rated not less than 210 HP flywheel power and developing minimum of 45,000-pound breakout force (measured in accordance with SAE J732).
    a. Typical of materials classified as rock are (boulders 1/2 cu. yd. or more in volume, solid rock, rock in ledgers, and rock-hard cementitious aggregate deposits.
    b. Intermittent drilling or ripping performed to increase production and not necessary to permit excavation of material encountered will be classified as earth excavation.

3.2 STABILITY OF EXCAVATIONS

A. General: Comply with local codes, ordinances, and requirements of agencies having jurisdiction.

B. Slope sides of excavations to comply with local codes, ordinances, and requirements of agencies having jurisdiction. Shore and brace where sloping is not possible because of space restrictions or stability of material excavated. Maintain sides and slopes of excavations in safe condition until completion of backfilling.

C. Shoring and Bracing: Provide materials for shoring and bracing, such as sheet piling, uprights, stringers, and shoring and bracing in excavations regardless of time period excavations will be open. Extend shoring and bracing as excavation progresses.

3.3 DEWATERING

A. Prevent surface water and subsurface or ground water from flowing into excavations and from flooding project site and surrounding area.

1. Do not allow water to accumulate in excavations. Remove water to prevent softening of foundation bottoms, undercutting structure bases, and soil changes detrimental to stability of subgrades and foundations. Provide and maintain pumps, well points, sumps, suction and discharge lines, and other dewatering system components necessary to convey water away from excavations.

2. Establish and maintain temporary drainage ditches and other diversions outside excavation limits to convey rainwater and water removed from excavations to collecting or runoff areas. Do not use trench excavations as temporary drainage ditches.

3.4 STORAGE OF EXCAVATED MATERIALS

A. Stockpile excavated materials acceptable for backfill and fill where directed. Place, grade, and shape stockpiles for proper drainage.

B. Dispose of excess excavated soil material and materials not acceptable for use as backfill or fill.

3.5 EXCAVATION FOR STRUCTURES

A. Conform to elevations and dimensions shown within a tolerance of plus or minus 0.10 foot and extending a sufficient distance from footings and foundations to permit placing and removal of concrete formwork, installation of services, and other construction and for inspection.

1. Excavations for footings and foundations: Do not disturb bottom of excavation. Excavate by hand to final grade just before concrete reinforcement is placed. Trim bottoms of required lines and grades to leave solid base to receive other work.

3.6 BACKFILL AND FILL

A. General: Place soil material in layers to the required subgrade elevations, foreach area classification listed below, using materials specified in Part 2 of this Section.

B. Backfill excavations as promptly as work permits, but not until completion of the following:

1. Acceptance of construction below finish grade including where applicable, damp proofing, waterproofing, and perimeter insulation.

2. Removal of concrete formwork.

3. Removal of shoring and bracing, and backfilling of voids with satisfactory materials. Cut off temporary sheet piling driven below bottom of structures and remove in a manner to prevent settlement of the structure or utilities or leave in place if required.

4. Removal of trash and debris from excavation.

5. Permanent or temporary horizontal bracing is in place on horizontally supported walls.

3.7 PLACEMENT AND COMPACTION

A. Ground Surface Preparation: Remove vegetation, debris, unsatisfactory soil materials, obstructions, and deleterious materials from ground surface prior to placement of fills. Plow, strip, or break up sloped surfaces steeper than 1 vertical to 4 horizontal so that fill material will bond with existing surface.

1. When existing ground surface has a density less than that specified under "Compaction" for a particular area classification, break up the ground surface, pulverize, moisture-condition to optimum moisture content, and compact to the required depth and percentage of maximum density.

B. Place backfill and fill materials in layers not more than 6 inches in loose depth for material compacted by heavy compaction equipment, and not more than 4 inches in loose depth for material compacted by hand-operated tampers.

C. Before compaction, moisten or aerate each layer as necessary to provide optimum moisture content. Compact each layer to the required percentage of maximum dry density or relative dry density for each area classification. Do not place backfill or fill material on surfaces that are muddy.

D. Place backfill and fill materials evenly adjacent to structures, piping, or conduit to the required elevations. Prevent wedging action of backfill against structures or displacement of piping or conduit by carrying material uniformly around structure, piping, or conduit to approximately same elevation in each lift.

E. Control soil and fill compaction, providing a minimum percentage of density as specified for each area classification indicated below. Correct improperly compacted areas or lifts as directed by the Engineer if soil density tests indicate inadequate compaction.

1. Percentage of Maximum Density Requirements: Compact soil to not less than the following percentages of maximum density, in accordance with AASHTO T-1800:

a. Under structures, (and pavements, compact top 12 inches of subgrade and each layer of backfill or fill material at 98 percent minimum density.

2. Moisture Control: Where subgrade or a layer of soil material must be moisture conditioned before compaction, uniformly apply water to surface of the subgrade or layer of soil material. Apply water in minimum quantities as necessary to prevent free water from appearing on the surface during or subsequent to compaction operations.

a. Remove and replace, or scarify and air dry, soil material that is too wet to permit compaction to specified density.

b. Stockpile or spread soil material that has been removed because it is too wet to permit compaction. Assist drying by harrowing or pulverizing until moisture content is reduced to a satisfactory value.

3.8 GRADING

A. Uniformly grade areas within limits of grading under this section, including adjacent transition areas. Smooth finished surface within specified tolerances, compact with uniform levels or slopes between points where elevations are indicated or between such points and existing grades.

B. Grade areas adjacent to building lines to drain away from structures and to prevent ponding. Finish surfaces free from irregular surface changes and as follows:

1. Pavement: Shape surface of areas under pavement to line, grade, and cross-section, with the finished surface not more than 1/2 inch above or below the required subgrade elevation.

C. Grading surface of fill under building slabs: Grade smooth and even, free of voids, compacted as specified, and to the required elevation. Provide final grades within a tolerance of 1/2 inch when tested with a 10-foot straight edge.

D. Compaction: After grading, compact subgrade surfaces to the depth and indicated percentage of maximum or relative density for each area classification.

3.9 FIELD QUALITY CONTROL

A. Quality Control Testing during Construction: Allow testing service to inspect and approve each subgrade and fill layer before further backfill or construction work is performed.

1. Perform field density tests in accordance with ASTM D 1556 (sand cone method) or ASTM D 2167 (rubber balloon method), as applicable.

    a. Field density tests may also be performed by the nuclear method in accordance with ASTM D 2922, providing that calibration curves are periodically checked and adjusted to correlate to tests performed using ASTM D 1556. In conjunction with each density calibration check, check the calibration curves furnished with the moisture gages in accordance with ASTM D 3017.
    b. If field tests are performed using nuclear methods, make calibration checks of both density and moisture gages at the beginning of the work, on each different type of material encountered, and at intervals as directed by the Engineer.

2. Foundation Subgrade: For each strata of soil on which footings will be placed, perform at least one test to verify required design bearing capacities. Subsequent verification and approval of each foundation subgrade may be based on a visual comparison of each subgrade with related tested strata when acceptable to the Engineer.

3. Paved Areas: In each compacted fill layer, perform one field density test for every 500 L.F. of overlaying or paved area, but in no case fewer than three tests.

4. Foundation Wall Backfill: Perform at least two field density tests at locations and elevations as directed.

5. If in the opinion of the Engineer, based on the testing service reports and inspections, subgrade or fills that have been placed are below the specified density, perform additional compaction and testing until the specified density is obtained.

3.10 EROSION CONTROL

A. Provide erosion control methods in accordance with requirements of authorities having jurisdiction.

3.11 MAINTENANCE

A. Protection of Graded Areas: Protect newly graded areas from traffic and erosion. Keep free of trash and debris.

B. Repair and reestablish grades in settled, eroded, and rutted areas to specified tolerances.

C. Reconditioning Compacted Areas: Where completed compacted areas are disturbed by subsequent construction operations or adverse weather, scarify surface, reshape, and compact to the required density prior to further construction.

D. Settling: Where settling is measurable or observable at excavated areas during the general project warranty period, remove surface (pavement, lawn, or other finish), add backfill material, compact, and replace surface treatment. Restore appearance, quality, and condition of surface or finish to match adjacent work and eliminate evidence of restoration to the greatest extent possible.

3.12 DISPOSAL OF EXCESS AND WASTE MATERIAL

A. Removal to Designated Areas on Owner's Property: Transport acceptable excess excavated material to designated soil storage areas on Owner's property. Stockpile soil or spread as directed by the Engineer.

B. Removal from Owner's Property: Remove waste materials, including unacceptable excavated material, trash, and debris, and dispose of it off Owner's property.

SECTION 02151

TRENCHING, BEDDING, AND BACKFILL FOR PIPE
ITB No. 25-04
SAGA BAY DRAINAGE IMPROVEMENTS PROJECT

1. GENERAL

1.1 DESCRIPTION

A. Work included: The Contractor shall furnish all labor, equipment, and incidentals necessary to perform all excavation, backfill, fill, grading and slope protection required completing the piping work shown on the Drawings and specified herein. The work shall include, but not necessarily be limited to: manholes, vaults, duct conduit, pipe, roadways and paving; all backfilling, fill and required borrow; grading; disposal of surplus and unsuitable materials; and all related work such as sheeting, bracing, and water handling.

B. Related Work:

1. Documents affecting work of this Section include but are not necessarily limited to Sections in Division 1 of these Specifications.

2. Section 02150: Shoring and Bracing

3. Section 02201: Earthwork for Utility Structures

4. Section 02576: Paving and Resurfacing

1.2 TRENCH PROTECTION

A. A Contractor shall construct and maintain sheeting and bracing as required to support the sides of excavations, to prevent any movement which could in any way diminish the width of the excavation below that necessary for proper construction, and to protect adjacent structures, existing piping and/or foundation material from disturbance, undermining, or other damage. Care shall be taken to prevent voids outside of the sheeting, but if voids are formed, they shall be immediately filled and rammed.

B. For pipe trench sheeting, no sheeting is to be withdrawn if driven below mid-diameter of any pipe, and no wood sheeting shall be cut off at a level lower than 1 foot above the top of any pipe unless otherwise directed by the Engineer. If during the progress of the work the Engineer decides that additional wood sheeting should be left in place, he may direct the Contractor in writing. If steel sheeting is used for trench sheeting, removal shall be as specified above unless written approval is given by the Engineer for an alternate method of removal.

C. All sheeting and bracing not left in place shall be carefully removed in such a manner as not to endanger the construction or other structures, utilities, existing piping, or property. All voids left or caused by withdrawal of sheeting shall be immediately refilled with sand by ramming with tools especially adapted to that purpose by watering or otherwise as may be directed.

D. The right of the Engineer to order sheeting and bracing left in place shall not be construed as creating any obligation on his part to issue such orders, and his failure to exercise his right to do so shall not relieve the Contractor from liability for damages to persons or property occurring from or upon the work occasioned by negligence or otherwise, growing out of a failure on the part of the Contractor to leave in place sufficient sheeting and bracing to prevent any caving or moving of the ground.

1.3 JOB CONDITIONS

A. The Contractor shall examine the site and review the available test borings or undertake his own soil borings prior to submitting his bid, taking into consideration all conditions that may affect his work. The Owner and Engineer will not assume responsibility for variations of sub-soil quality or conditions at locations other than places shown and at the time the investigations was made. Boring log data and soil samples are available for examination after signing a release at the office of the Engineer.

B. Existing Utilities: Locate existing underground utilities in the areas of work. If utilities are to remain in place, provide adequate means of protection during earthwork operations.

1. Should uncharted, or incorrectly charted, piping, or other utilities be encountered during excavation, consult the Engineer and the Owner for such piping or utility immediately for directions.

2. Cooperate with Owner and utility companies in keeping respective services and facilities in operation. Repair damaged utilities to satisfaction of utility owner.

C. Protection of Persons and Property: Barricade open excavations occurring as part of this work and post with warning lights. Operate warning lights as recommended by authorities having jurisdiction.

1. Protect structures, utilities, sidewalks, pavements, and other facilities from damage caused by settlement, lateral movement, undermining, washout and other hazards created by earthwork operations.

1.4 SUBMITTALS

A. The Contractor shall furnish the Engineer, for approval, a representative sample of fill material obtained from onsite sources weighing approximately 50 pounds, at least ten calendar days prior to the date of anticipated use of such material.

B. For each material obtained from other than onsite sources, the Contractor shall notify the Engineer of the source of the material and shall furnish the Engineer, for approval, a representative sample weighing approximately 50 pounds, at least ten calendar days prior to the date of anticipated use of such material.

2. PRODUCTS

2.1 MATERIALS

A. General:

1. Materials for use as base, fill and backfill shall be as described below:

a. Satisfactory soil materials are defined as those complying with American Association of State Highway and Transportation Officials (AASHTO) M-145, soil classification Groups A-1, A-2-4. A-2-5, and A-3.

b. Unsatisfactory soil materials are those defined in ASSHTO M-145 soil classification Groups A-2-6, A-2-7, A-6, and A-7 along with peat and other highly organic soils.

B. Structural Fill:

1. Structural fill material shall be satisfactory soil material consisting of a minimum of 60 percent clean medium to fine grain sized quartz sand, free of organic, deleterious and/or compressible material. Rock in excess of 2-1/2 inches in diameter shall not be used in the fill material. Structural fill shall not contain hardpan, stones, rocks, cobbles, or other similar materials.

C. Common Fill:

1. Common fill material shall be satisfactory soil material containing no more than 20 percent by weight finer than No. 200 mesh sieve. It shall be free from organic matter, much, marl, and rock exceeding 2-1/2 inches in diameter. Common fill shall not contain broken concrete, masonry, rubble or other similar materials.

2. Material falling within the above specification, encountered during the excavation, may be stored in segregated stockpile for reuse. All material which, in the opinion of the Engineer, is not suitable for reuse shall be spoiled as specified herein for disposal of unsuitable materials.

D. Rock Bedding:

1. Rock bedding shall be 3/8" to 3/4" washed and graded lime rock. This rock shall be graded so that 99% will pass a 3/4" screen and 80% will be retained on a No. 8 screen.

3. EXECUTION

3.1 GENERAL

A. All excavation, backfill and grading necessary to complete the work shall be made by the Contractor and the cost thereof shall be included in the contract price.

B. Material shall be furnished as required from offsite sources and hauled to the site.

C. The Contractor shall take all the necessary precautions to maintain the work area in a safe and workable condition.

D. The Contractor shall protect his work at all times by flagging, marking, lighting and barricading. It shall also be the Contractor's responsibility to preserve and protect all above and underground structures, pipelines, conduits, cables, drains or utilities which are existing at the time he encounters them. Failure of the Drawings to show the existence of these obstructions shall not relieve the Contractor from this responsibility. The cost of repair of any damage which occurs to these obstructions during or as a result of construction shall be borne by the Contractor without additional cost to the Owner.

3.2 TRENCH EXCAVATION

A. Excavation for all trenches required for the installation of pipes and electrical ducts shall be made to the depths indicated on the Drawings. Excavate trench to provide a minimum of 20-inch clear cover over the pipe bell unless otherwise noted on the Drawings. Excavate in such manner and to such widths as will give suitable room for laying the pipe or installing the ducts within the trenches, for bracing and supporting and for pumping and drainage facilities. The trench width at the top of the pipe shall not exceed the allowable as determined by the depth of cut and indicated on the Drawings.

B. Rock shall be removed to a minimum 8-inches clearance around the bottom and sides of all the pipe or ducts being laid.

C. Where pipe or ducts are to be laid in lime rock bedding or encased in concrete the trench may be excavated by machinery to or just below the designated subgrade provided that the material remaining in the bottom of the trench is no more than slightly disturbed.

D. Where the pipes or ducts are to be laid directly on the trench bottom, the lower parts of the trenches shall not be excavated to the trench bottom by machinery. The last of the material being excavated shall be done manually in such a manner that will give a flat bottom true to grade so that pipe or duct can be evenly and uniformly supported along its entire length on undisturbed material or bedding rock. Bell holes shall be made as required manually so that there is no bearing surface on the bells and pipes are supported along the barrel only.

3.3 PIPE INTERFERENCES AND ENCASEMENT

A. The Contractor shall abide by the following schedule of criteria concerning interferences with other facilities.

1. In no case shall there be less than 0.3 feet between any two pipelines or between pipe lines and structures.

2. Class I Concrete Encasement: Wherever there is more than 0.3 feet but less than 1.5 feet clearance between sewers, sewer house laterals, force mains and water mains or water services, then a concrete encasement shall be provided in accordance with the typical detail as shown on the Drawings.

3. Class II Concrete Encasement: Wherever there is more than 0.3 feet but less than 1.0 feet clearance between any two pipelines, or between pipe lines and structures, then a concrete encasement shall be provided in accordance with the typical detail as shown on the Drawings.

B. The Engineer shall have full authority to direct the placement of the various pipes and structures in order to facilitate construction, expedite completion and to avoid conflicts.

3.4 BACKFILLING

A. Backfilling over pipes shall begin as soon as practicable after the pipe has been laid, jointed, and inspected and the trench filled with suitable compacted material to the mid-diameter of the pipe.

B. Backfilling over ducts shall begin not less than three days after placing concrete encasement.

C. All backfilling shall be prosecuted expeditiously and as detailed on the Drawings.

D. Any space remaining between the pipe and sides of the trench shall be packed full by hand shovel with selected earth, free from stones having a diameter greater than 2-inches and thoroughly compacted with a tamper as fast as placed, up to a level of one foot above the top of the pipe. Compact to 95% maximum density in layers not to exceed 4 inches up to the centerline of the pipe from the trench bottom and in layers not to exceed 4 inches up to the centerline of the pipe from the trench bottom and in layers not to exceed 6 inches from the pipe centerline to 12 inches above the pipe.

E. The filling shall be carried up evenly on both sides with at least one many tamping for each man shoveling material into the trench.

F. The remainder of the trench above the compacted Backfill, as just described above, shall be filled and thoroughly compacted with common fill by rolling, ramming, of puddling, as the Engineer may direct. Compact common fill in 6-inch layers to 98% maximum density.

G. The bedding rock in much areas shall consists of at least 6 inches of washed and graded lime rock placed in the trench to the proposed elevation of the centerline of the pipe prior to any pipe lying. This bedding shall not be used under any circumstances as a drain for ground water. The Contractor shall take all precautions necessary to maintain the bedding in a compacted state and to prevent washing, erosion or loosening of this bed.

H. In location where pipes pass through building walls, the Contractor shall take the following precautions to consolidate the refill up to an elevation of at least 1 foot above the bottom of the pipes:

1. Place structural fill in such areas for a distance of not less than 3 feet on either side of the center line of the pipe in level layers not exceeding 6-inches in depth.

2. Wet each layer to the extent directed and thoroughly compact each layer with a power tamper to the satisfaction of the Engineer.

3.5 GRADING

A. Grading shall be performed at such places as are indicated on the Drawings, to the lines, grades, and elevations shown or as directed by the Engineer and shall be made in such a manner that the requirements for formation of embankments can be followed. All unacceptable material encountered, of whatever nature within the limits indicated, shall be removed and disposed of as directed. During the process of excavation, the grade shall be maintained in such condition that it will be well drained at all times. When directed, temporary drains and drainage ditches shall be installed to intercept or divert surface water which may affect the prosecution or condition of the work.

B. If at the time of excavation, it is not possible to place any material in its proper section of the permanent structure, it shall be stockpiled in approved areas for later use. No extras will be considered for stockpiling or double handling of excavating material.

C. The right is reserved to make minute adjustments or revisions in lines or grades if found necessary as the work progresses, due to discrepancies on the Drawings or in order to obtain satisfactory construction.

D. Stones or rock fragments larger than 2-1/2 inches in their greatest dimensions will not be permitted in the top 6 inches of the subgrade line of all dikes, fills or embankments.

E. All fill slopes shall be uniformly dressed to the slope, cross-section and alignment shown on the Drawings, or as directed by the Engineer.

F. In cuts, all loose or protruding rocks on the back slopes shall be barred loose or otherwise removed to line or finished grade of slope. All cut and fill slopes shall be uniformly dressed to the slope, cross-section and alignment shown on the Drawings or as directed by the Engineers.

G. No grading is to be done in areas where there are existing pipe lines that may be uncovered or damaged until such lines which must be maintained are relocated, or where lines are to be abandoned, all required valves are closed and drains plugged at manholes.

H. The Contractor shall replace all pavement cut of otherwise damaged during the progress of the work as specified elsewhere herein.

3.6 DISPOSAL OF UNSUITABLE AND SUPPLY MATERIAL

A. All surplus and/or unsuitable excavated material shall be disposed of in one of the following ways as directed by the Engineer.

1. Transport to soil storage area on Owner's property and stockpile or spread as directed by the Engineer.

2. Transport from Owner's property and legally dispose of. Any permit required for the hauling and disposing of this material beyond Owner's property shall be obtained prior to commending hauling operations.

B. Suitable excavated material may be used for fill if it meets the specifications for common fill and is approved by the Engineer. Excavated material so approved may be neatly stockpiled at the site where designated by the Engineer provided there is an area available where it will not interfere with the operation of the facility nor inconvenience traffic or adjoining property owners.

SECTION 02201

EXCAVATION BELOW NORMAL GRADE AND GRAVEL REFILL
ITB No. 25-04
SAGA BAY DRAINAGE IMPROVEMENTS PROJECT

1. GENERAL

1.1 DESCRIPTION

A. If in the opinion of the Engineer, the material at or below the normal grade of the bottom of the trench (0.7-feet below the invert of the pipe) is unsuitable for foundation, it shall be removed to the depth directed by the Engineer and replaced by drain rock, at no additional cost to the Owner.

B. Related Work:

1. Documents affecting work of this section include but are not necessarily limited to Sections in Division 1 of these Specifications.

2. Section 02221: Trenching, Bedding and Backfill for Pipe.

2. PRODUCTS

2.1 MATERIALS

A. Drain rock shall be 3/8-inch to 3/4-inch washed and graded lime rock. The rock shall be graded so that 99% will pass a 3/4-inch screen and 80% will be retained on a No. 8 screen.

3. EXECUTION

3.1 EXCAVATION AND DRAINAGE

A. Whatever the nature of unstable material encountered or the groundwater conditions, trench drainage shall be complete and effective.

B. If the Contractor excavates below grade through error or for his own convenience, or through failure to properly dewater the trench, or disturbs the subgrade before dewatering is sufficiently complete, he may be directed by the Engineer to excavate below grade as set forth in the preceding paragraph, in which case the work of excavating below grade and finishing and placing the refill shall be performed at the Contractors own expense.

3.2 REFILL

A. If the material at the level of trench bottom consists of fine sand, sand and silt or soft earth which may work into the drain rock notwithstanding effective drainage, the subgrade material shall be removed to the extent directed and the excavation refilled with coarse sand, or a mixture graded from coarse sand to fine pea stone, to form a filter layer preserving the voids in the gravel bed of the pipe. The composition and gradation of gravel shall be approved by the Engineer prior to placement. Gravel shall be placed in 6-inch layers thoroughly compacted. If directed by the Engineer, drain rock shall be used for refill of excavation below grade.

SECTION 02221

PAVING AND RESURFACING
ITB No.25-04
SAGA BAY DRAINAGE IMPROVEMENTS PROJECT

1. GENERAL

1.1 DESCRIPTION

A. The work of this section includes, but is not limited to:

1. Temporary Paving

2. Permanent Paving

B. Related Work:

1. Documents affecting work of this Section include but are not necessarily limited to Sections in Division 1 of these Specifications.

1.2 QUALITY ASSURANCE

A. Referenced Standards:

1. Florida Department of Transportation Standard Specifications for Road and Bridge Construction Latest Edition, including Supplements.

1.3 SUBMITTALS

A. Certificates:

1. Submit certification from bituminous and aggregate suppliers attesting that materials conform to the Controlling Agency Specifications.

1.4 JOB CONDITIONS

A. Control of Traffic:

1. Take measures to control traffic during repaving operations. Do not allow traffic on repaved areas until authorized by the Engineer.

2. Employ traffic control measures necessary to maintain and to protect traffic, to protect the work in progress, to protect adjacent property from excess dust resulting from the construction area and to maintain traffic through, around, or adjacent to the construction area. The work shall include the furnishing and maintaining of all traffic control devices, flaggers, construction of temporary structures when required, labor, equipment, and materials to keep the traveled road smooth and the furnishing and application of dust palliatives.

B. Restore existing paving outside the limits of the work that is damaged by the contractor's operations to its original condition at the expense of the Contractor.

2. PRODUCTS

2.1 FLEXIBLE PAVEMENT MATERIALS AND AGGREGATES

A. Bituminous Treatments, surface courses and concrete pavements shall conform to Florida Department of Transportation Standard Specifications for Road and Bridge Construction, Latest Edition. Thickness shall be a minimum of 1 inch of Type S-3 Asphaltic Concrete Pavement, unless otherwise noted on plans.

B. Refer to Section 300, Florida Department of Transportation Specifications, Latest Edition. All bituminous materials and aggregates used in paving and resurfacing are designated in these specifications and shall conform to the applicable portions of the State specifications.

3. EXECUTION

3.1 TEMPORARY PAVING

A. Place temporary paving immediately upon completion of trench back-filling. Unpaved trenches shall not remain unpaved longer than one working day after back-filling.

B. Shape and compact subgrade material, then place and compact crushed stone base course to the required thickness.

C. Place temporary paving material. Compact to required minimum thickness with trench roller having minimum 300 pounds per inch-width of compaction roll.

D. Continuously maintain temporary paving to the satisfaction of the Engineer and the state and local road departments.

E. Remove and dispose of temporary pavement prior to the placement of permanent pavement.

3.2 PERMANENT PAVING

A. Excavate to the lines and grades on plans to receive permanent pavement, including the disposal of surplus excavated material. Remove all muck and organic materials.

B. Remove temporary paving material. Construct permanent base and surface courses to the required compacted thickness shown on the plans in accordance with Florida Department of Transportation Standards for Road and Bridge Construction.

C. Trim existing paving to remove damaged areas. Cut straight joint lines and right angle offsets.

D. Maintain permanent paving to the satisfaction of the Engineer and the local and state road departments throughout the contract maintenance period.

3.3 BITUMINOUS OVERLAY

A. Where indicated on the drawings, standard details, or directed by the engineer, place a bituminous overlay.

B. Construct in accordance with Florida Department of Transportation Standards for Road and Bridge Construction.

3.4 DRIVEWAYS

A. Trim concrete and bituminous driveway surfaces to remove damaged areas. Sawcut straight joint lines parallel to the centerline of the trench. Cut offsets at right angles to the trench centerline.

B. Restore existing concrete driveways trenched through with a 6" layer of concrete reinforced with 6 x 6 10/10 wire mesh.

C. Restore existing asphalt driveways trenched through in kind or with minimum 1" layer wearing course over 12" layer of D.O.T. road rock.

D. Restore earth driveways with a 6" layer of 3/4" stone backfill. Florida DOT 901-6 No. 14.

E. Restore brick driveways with like brick placed on a 4" thick wet sand bed. Place bricks in like pattern and spacing.

3.5 CONCRETE CURB AND SIDEWALK REPAIRS

A. Replace curbs and sidewalks damaged by construction to match existing.

B. Reconstruct curbs and sidewalks to the first expansion joint on either side of the damaged portion. Install preformed expansion joint material.

C. Sidewalks shall be new construction for the full width of the existing slabs.

D. Reconstruct sidewalks to 4-inch thickness of Class I concrete placed on a 4-inch base of compacted material.

E. Sidewalks and curbs materials and construction methods shall be in accordance with Sections 522 and 520 of the referenced Florida Department of Transportation Specifications.

SECTION 02223

THERMOPLASTIC TRAFFIC STRIPES AND MARKINGS
ITB No. 25-04
SAGA BAY DRAINAGE IMPROVEMENTS PROJECT

711-1 DESCRIPTION

Apply new thermoplastic traffic stripes and markings, or refurbish existing thermoplastic traffic stripes and markings, in accordance with the Contract Documents.

711-2 MATERIALS

711-2.1 Thermoplastic: Use only thermoplastic materials listed on the QPL. The Engineer will take random samples of all material in accordance with the Departments Sampling, Testing and Reporting Guide Schedule.

7 11-2.1.1 **Initial or Recapped Stripes and Markings**: Use materials meeting the requirements of 971-1 and 971-5.

711-2.1.2 **Refurbishing Existing Stripes and Markings**: Use materials meeting the requirements of 971-l and 971-5.

711-2.1.3 **Preformed Stripes and Marking**: Use materials meeting the requirements of 971-1 and 971-6.

711-2.2 **Glass Spheres**: Use only glass spheres listed on the QPL, meeting the requirements of 971-1 and 971-2. The Engineer will take random samples of all glass spheres in accordance with ASH-·1 D 1214 and the DeparL111ent's Sampling, Testing and Reporting Guide schedule.

711-2.3 Sand: Use materials meeting the requirements of971-5.4.

711-2 EQUIPMENT

Use equipment capable of providing continuous uniform heating of striping materials to temperatures exceeding 390°F, mixing and agitation of the material reservoir to provide a homogeneous mixture without segregation. Use equipment that will maintain the striping material in a plastic state, in all mixing and conveying parts, including the line dispensing device until applied. Use equipment which can produce varying width traffic stripes and which meets the following requirements:

A. Capable of traveling at a uniform, predetermined rate of speed, both uphill and downhill, in order to produce a uniform application of striping material and capable of following straight lines and making normal curves in a true arc.

B. Is capable of applying glass spheres to the surface of the completed stripe by a double drop application for initial traffic striping and marking and a single drop application for recapping and refurbishing. The bead dispenser for the first bead drop shall be attached to the striping machine in such a manner that the beads are dispensed closely behind with the thermoplastic material. The second bead dispenser bead shall be attached to the striping machine in such a manner than the beads are dispensed immediately after the first bead drop application. Glass sphere dispensers shall be equipped with an automatic cut-off control that is synchronized with the cut-off of the thermoplastic material and applies the glass spheres in a manner such that the spheres appear uniform on the entire traffic stripes and markings surface with, 50 to 60% embedment.

C. Equipped with a special kettle for uniformly heating and melting the striping material. The kettle must be equipped with an automatic temperature control device and material thermometer for positive temperature control and to prevent overheating or scorching of the thermoplastic material.

D. Meet the requirements of the National Fire Protection Association, state, and local authorities.

711-3 APPLICATION

7ll-4.1 **General**: Remove existing pavement markings such that scars or traces of removed markings will not conflict with new stripes and markings by a method approved by the Engineer. Cost for removing conflicting pavement markings during maintenance of traffic operations to be included in Maintenance of Traffic, Lump Sum.

Before applying traffic stripes and markings, remove any material by a method approved by the Engineer that would adversely affect the bond to the traffic stripes. Before applying traffic stripes to any port land cement concrete surface, apply a primer, sealer or surface preparation adhesive of the type recommended by the manufacturer. Offset longitudinal lines at least 2 inches from any longitudinal joints of port land cement concrete pavement.

Apply traffic stripes or markings only to dry surfaces, and when the ambient air and surface temperature is at least 60°F and rising for asphalt surfaces and 60°F and rising for concrete surfaces.

Apply striping to the same tolerances in dimensions and in alignment specified in 710-5. When applying traffic stripes and markings over existing markings, ensure that no more than 2 inches on either end and not more than 1 Inch on either side of the existing line is visible.

Apply thermoplastic material to the pavement either by spray, extrusion or other means approved by the Engineer.

Conduct field tests in accordance with FM 5-541. Take test readings representative of the striping performance. Remove and replace traffic stripes and markings not meeting the requirements of this Section at no additional cost to the Department.

Apply all final pavement t markings prior to opening the 1oad to traffic.

711-4.1.1 **Preformed Thermoplastic**: Apply markings only to dry surfaces and when ambient air temperature is at least 32°F. Prior to installation, follow the manufacturer's recommendations for pre-heating.

711-4.2 **Thickness**

711-4.2.1 **Initial or Recapped Stripes and Markings**: Apply or recap traffic stripes or markings such that all lane lines, center lines, transverse markings and traffic stripes and markings within traffic wearing areas, will have a thickness of 0.10 to 0.15 inch when measured above the pavement surface.

Also, all gore, island, and diagonal stripe markings, bike lane symbols and messages, wherever located, will have a thickness of 0.09 to 0.12 inch when measured above the pavement surface. Measure, record and certify on Department approved form and submit to the Engineer, the thickness of white and yellow pavement markings in accordance with FM 5-541.

711-4.2.2 **Refurbishing Existing Traffic Stripes and Marking**: Apply a minimum of 0.06 inch of thermoplastic material. Ensure that the combination of the existing stripe and the overlay after application of glass spheres does not exceed the maximum thickness of0.150 inch for all inches.

711-4.3 **Retro reflectivity**: Apply white and yellow traffic stripes and markings that will attain an initial retro reflectivity of not less than 450 mcd/lx•m2 and not less than 350 mcd/lx•m2, respectively for all longitudinal lines. All transverse lines, messages and arrows will attain an initial retro reflectivity of not less than 300 mcd/lx ·m2 and 250 mcd/lx•m2 tor white and yellow respectively. All pedestrian crosswalks, bike lane symbols or messages inn proposed bike lane shall attain an initial retro reflectivity of not less than 275 mcd/lx•m2.

Measure, record and certify on Department approved form and submit to the Engineer, the retro reflectivity of white and yellow pavement markings in accordance with FM 5-541.

711-4.4 Glass Spheres:

711-4.4.1 **Longitudinal lanes**: For initial traffic striping and marking, apply the first drop of Type 4 or larger glass spheres immediately followed by the second drop of Type I glass spheres.

For refurbishing, apply a single drop of Type 3 glass spheres, apply reflective glass spheres to all markings at the rates determined by the manufacturer's recommendations.

711-4.4.2 **Transverse Stripes and Markings**: Apply a single drop of Type I glass spheres. Apply reflective glass spheres to all markings at the rates determined by the manufacturer's recommendations.

Apply a mixture consisting of 50% glass spheres and 50% sharp silica sand to all thermoplastic pedestrian crosswalk lines and bike lane symbols at the rates determined by the manufacturer's recommendations.

711-4.4.3 **Preformed Markings**: These markings m-e factory supplied with glass spheres and skid resistant material. No additional glass spheres or skid resistant material should be applied during installation.

711-4 CONTRACTOR'S RESPONSIBILITY FOR NOTIFICATION

Notify the Engineer prior to the placement of the thermoplastic materials. Furnish the Engineer with the manufacturer's name and batch numbers of the thermoplastic materials and glass spheres to be used. Ensure that the approved batch numbers appear on the thermoplastic materials and glass spheres package.

711-5 PROTECTION OF NEWLY APPLIED TRAFFIC STRIPES AND MARKINGS

Do not allow traffic onto or permit vehicles to cross newly applied pavement markings until they are sufficiently dry. Remove and replace any portion of the pavement markings damaged by passing traffic or from any other cause, at no additional cost to the Department.

711-6 OBSERVATION PERIOD

Longitudinal pavement markings are subject to a 180-day observation period under normal traffic. The observation period shall begin with the satisfactory completion and acceptance of the work.

The longitudinal pavement markings shall show no signs of failure due to blistering, excessive cracking, chipping, discoloration, and poor adhesion to the pavement, loss of reflectivity or vehicular damage. The retro reflectivity shall meet the initial requirements of 711-4.3. The Department reserves the right to check the color and retro reflectivity any time prior to the end of the observation period.
Replace at no additional expense to the Department, any longitudinal pavement markings that do not perform satisfactorily under traffic during the 180-day observation period.

711-7 CORRECTIONS FOR DEFICIENCIES

Recapping applies 10 conditions where additional striping material is applied 10 new or refurbished traffic stripes or markings to correct a deficiency. Recap a 1.0-mile section centered on the deficiency with additional striping material or by complete removal and reapplication at no additional cost to the Department.

If recapping will result in a thickness exceeding the maximum allowed, the traffic stripes or markings will be removed and reapplied.

7 11-9 SUBMITTALS

711-9.1 **Submittal Instructions**: Prepare eleven (11) certification of quantities, using the Department's current approved form, for each project in the contract. Submit the certification of quantities and daily worksheets to the Engineer. The Department will not pay for any disputed items until the Engineer approves the certification of quantities.

711-9.2 **Contractor's Certification of Quantities**: Request payment by submitting a certification of quantities no later than 12:00 noon, Monday after the estimate cut-off date or as directed by the Engineer, based on the amount of work done or completed. Ensure the certification of quantities consists of the following:

A. Contract Number, FPID Number, Certification Number, Certification Date and the period that the certification represents.

B. The basis for arriving to the amount of the progress certification, less payments previously made and less any amount previously retained or withheld. The basis will include a detailed breakdown provided on the certification of items of payment.

711-10 METHOD OF MEASUREMENT

The quantities to be paid for under this Section will be as follows:

A. The length in net miles, of 6-inch solid traffic stripe, authorized and acceptably applied.

B. The total traversed distance in gross miles of 10-30 or 3-9 skip line. The actual applied line is 25% of the traverse distance, for a 1:3 ratio. This equates to 1,320 feet of marking per mile of single line.

C. The net length, in feet of all other types of lines and stripes, authorized and acceptably applied.

D. The area, in square feet, of removal of existing, pavement markings, acceptably removed.

E. The number of pavement messages, symbols, and directional arrows, authorized and acceptably applied.

7 11-11 BASIS OF PAYMENT

Prices and payments will be full compensation for all work specified in this Section, including, all cleaning and preparing of surfaces, furnishing of all materials, application, curing and protection of all items, protection of traffic. Furnishing of all tools, machines, and equipment, and not incidentals necessary to complete the work Final payment will be withheld until all deficiencies are corrected.

Payment will be made under:

Item No. 711- Thermoplastic

Traffic Stripes, Solid - per net mile

Traffic Stripes, Solid - per foot

SECTION 02576

CAST-IN-PLACE CONCRETE SIDEWALKS, CURBS, CURBS & GUTTERS, CROSSWALKS AND MISCELLANEOUS CONCRETE
ITB No. 25-04
SAGA BAY DRAINAGE IMPROVEMENTS PROJECT

1. GENERAL

1.1 DESCRIPTION

A. Work included: Provide cast-in-place concrete, sidewalks, curbs, curbs and gutters, crosswalks, and miscellaneous concrete, where shown on the Drawings as specified herein, and as needed for a complete and proper installation.

B. Related Work:

1. Documents affecting work of this Section include but are not necessarily limited to Sections in Division 1 of these Specifications.

1.2 QUALITY ASSURANCE

A. Use adequate numbers of skilled workmen who are thoroughly trained and experienced in the necessary crafts and who are completely familiar with the specified requirements and the methods needed for proper performance of the work of this Section. The concrete curb and sidewalk contractor/sub-contractor shall have a minimum of 5 years of experience in the construction of urban and decorative sidewalks.

B. Quality control:

1. See requirements for testing as stated in part 3 of this Section.

1.3 SUBMITTALS

A. Comply with pertinent provisions of Section 01340.

1.4 PRODUCT HANDLING

A. Comply with pertinent provisions of Section 01640.

2. PRODUCTS

2.1 CONCRETE MIXES

A. Provide a mix design prepared by the approved testing agency, based on strengths of the approved materials, and meeting the requirements stated on the Drawings, and Specifications.

1. Secure the Engineers approval of each mix design, including new mix designs required to be prepared should there occur a change in materials being used.

2.2 CONCRETE QUALITY

A. Concrete shall be Class I normal weight and shall attain a 28-day compressive strength of a minimum of 3000 psi.

1. The maximum water-cement ratio shall be 0.65.

2. The minimum cement content for concrete shall be five bags per cubic yard.

3. Concrete shall contain a water reducing admixture capable of increasing workability and reducing the amount of mixing water, conforming to ASTM C494-82, Type A. Other admixtures may be used if approved by the Engineer. Admixtures shall be added to the mix in accordance with the manufacturer's specifications, and at a controlled rate.

2.3 COLORING

A. Integral Colored Concrete mixture shall be Class I concrete, as described above. Concrete shall be supplied with the color admixture added. Admixture coloring, as specified in drawings, shall be plant mixed and shall be manufactured by the Lambert Corporation or an approved equal.

3. EXECUTION

3.1 SURFACE CONDITIONS

A. Examine the areas and conditions under which work of this Section will be performed. Correct conditions detrimental to timely and proper completion of the Work. Do not proceed until unsatisfactory conditions are corrected.

3.2 SUBGRADE PREPARATION

A. All roots, vegetation and other deleterious materials shall be removed from the area of the proposed sidewalk. Roots, when present, shall be removed to a depth of 12". Existing rock shall be removed to at least 1" below proposed subgrade elevation. Fill materials, where required, shall be clean lime rock or mixture of lime rock and sand acceptable to the Engineer. Subgrade shall be compacted to a minimum field density of 95% of the maximum density as determined by AASHTO Method, Designation T180-74, and Method D.

3.3 FORMS

A. General: Steel forms shall be used for all work except at sidewalk radii where wood forms (1/4" min. thickness) may be used and which shall be bent to a smooth uniform curve. Wood forms shall not be used for Curb or Curb & Gutter work. Forms shall be as follows: (a) externally secured and braced where feasible; (b) substantial and unyielding; (c) of adequate strength to contain the concrete without building between supports and without apparent deviation form the neat lines, contours and shapes shown in the plans. They shall be designed to withstand the additional forces of vibration without apparent deviation from the desired shape or position. Assembled forms shall be mortar tight and, shall be constructed to render a concrete surface of smooth, uniform finish. Provisions shall be made for the removal of forms without injury to concrete surfaces. Blocks and bracing shall be removed from the forms and in no case shall any portion of the forms be left in the concrete.

The Contractor where practical may use asphalt abutting the sidewalk in lieu of form work. The asphalt must be saw cut in such a manner that the edge of the sidewalk where it abuts the asphalt is true to grade and alignment.

The form shall be set plumb, properly aligned, and with their bottom in furl and continuous contact with the subgrade. Forms shall be cleaned and lightly oiled before concrete is placed.

B. Form Alignment, Bracing and These: Forms shall be constructed in such manner that they may be adequately secured for alignment, shape, and grade. Bracing systems, ties and anchorages used for this purpose shall be substantial and sufficient to insure against apparent deviation from shape, alignment, and grade. Nails driven into existing concrete shall not be used for this purpose. Bracing systems, ties anchorages shall not be used which will unnecessarily deface of mark or have an injuries or undesirable effect on surfaces which will be a part of the finished surface.

C. Preparation and Cleaning: The condition of the forms shall meet the following requirements at the time concrete casting is begun: (a) All forms shall be treated with an approved form-release agent before placing concrete. Material which will adhere to or disorder the concrete shall not be used. (b) The forms shall be cleaned of all dirt, sawdust, shavings, and other debris. (c) All inspection and cleanout holes shall be closed and secured.

3.4 CONCRETE MIXING

A. Job mixed concrete shall not be permitted.

B. Ready-mixed concrete shall be mixed and delivered in accordance with the requirements of the Standard Specification for Ready-Mixed Concrete, ASTM C94-85.

C. No concrete shall be re-tempered after it has not taken an initial set nor shall any batch or portion thereof be deposited in forms more than one and one-half hours after the mixing of that particular batch has commenced.

D. No water shall be added at the job site to concrete delivered by truck as ready for use without the approval of the Engineer, and then, only when slump tests are made and the concrete so delivered is known to be of less than the slump specified.

E. Concrete consistency:

1. Use the amount of water established by the approved mix design.

   a. Do not exceed the maximum quantity specified for the grade of concrete.

   b. Use the minimum amount of water necessary to produce concrete of the workability required by the Engineer.

   c. Do not supplement the predetermined amount of water with additional water for any reason.

2. Measure concrete consistency by ASTM C143 method.

   a. As part of the routine testing and inspecting, test twice each day or partial day's run of the mixer.

   b. Maintain a complete and accurate record of tests.

3. Provide a 3" maximum concrete slump.

F. Miscellaneous provisions:

1. Provide strengths of concrete as shown on the Drawings.

2. Provide concrete dense and free from honeycomb and other defects.

3. Place and finish members to conform to the shapes and dimensions indicated, with all surfaces true to line, plumb, and level.

3.5 CONCRETE REINFORCEMENT

A. Provide reinforcement as detailed on Drawings and Specifications.

3.6 CONVEYING AND PLACING CONCRETE

A. Inspection: No concrete shall be placed until inspected for depth, forming and reinforcement. Proper finishing tools shall be on the jobsite at time of inspection. Failure to obtain required inspection shall be sufficient cause for rejection. Such inspection and approval shall not relieve the contractor of the responsibility of obtaining satisfactory concrete surfaces, free from warping, bulging or other objectionable defects. Special attention shall be paid to the ties and bracing. Where the forms appear to be insufficiently braced or unsatisfactorily built, the progress of the work shall be stopped until the defects have been corrected to the satisfaction of the Engineer.

B. Preparation:

1. Remove all laitance, oil, and loose particles from concrete and concrete surfaces, and thoroughly clean the forms with water under stiff pressure.

2. Remove laitance after concrete has hardened partially (not less than two hours nor more than four hours after place in) by brushing with stiff bristles, or by directing a stream of water from a 1/4" nozzle, or by other method approved by the Engineer, to expose the clean top surface of the coarse aggregate.

3. Where cleaning is not satisfactory to the Engineer sandblast the surface and then wash again.

C. Method of Depositing

1. Concrete shall be deposited as nearly as practical in its final position to avoid segregation due to handling or flowing. The concrete shall be carried on at such a rate that the concrete is at all times plastic and flows readily. No concrete that has been contaminated by foreign materials shall be deposited on the work.

2. When concreting is started, it shall be carried on as a continuous operation until the placing of the panel or section is completed. The top surface shall be generally level.

3. All concrete shall be thoroughly compacted by suitable means during the operation of placing, and shall be thoroughly worked, into corners.

4. Place concrete only under the degree of inspection described elsewhere in these Specifications, and as required by governmental agencies having jurisdiction.

5. Do not place concrete outside of regular working hours unless required inspection authorities have been notified properly and are present.

6. Concrete shall be pump-mix.

7. Deposit concrete so that the surface is kept level throughout, a minimum being permitted to flow from one position to another, and place as rapidly as practicable after mixing.

8. Do not use in this Work any concrete not placed within 30 minutes after leaving the mixer.

D. Adverse Weather:

1. The Contractor shall assume all risks connected with the placing of concrete during adverse weather conditions, and permission given to place concrete under such conditions will in no way relieve the Contractor of the responsibility for satisfactory results. Should concrete placed under such conditions, prove unsatisfactory, it shall be removed, disposed of and replaced at the Contractor's expense.

3.7 FINISHING

A. Exposed work shall have a steel troweled finish after which it shall be lightly broomed to eliminate a slick finish. After forms have been removed from exposed areas, all voids shall be filled and rubbed where necessary using color compound to give the face a finished look. All laitance and slop-over shall be thoroughly removed from any adjacent surfaces before the final finishing process is completed.

3.8 EDGES AND JOINTS

A. Edges of all sidewalks shall be finished with one-quarter inch (1/4") radius joint and edging tools. Edges of curbs shall be to the radius shown on typical section.

B. Joints in sidewalks shall be spaced uniformly equal to width of sidewalk except where sidewalk exceeds six feet (6') in which case the uniform spacing shall be one-half width with a longitudinal joint at mid-width. All such joints shall be formed with tool having a bit depth of one and one-half inches (1-1/2") as approved by the City and shall have a minimum tooled radius of one-quarter inch (1/4") each side.

At spacing of twenty feet (20') maximum (or nearest multiple of required joint spacing) there shall be an open joint one-quarter inch (1/4"), minimum, wide and full depth of sidewalk which may be formed with removable spline but having edges tooled to a one-quarter inch radius. Expansion joints or saw cutting can only be used where approved in writing.

An open joint shall be provided where new sidewalk abuts existing. A longitudinal joint parallel to curb poured monolithic with the sidewalk shall be tooled to a minimum depth of one-quarter inch and with a one-quarter inch radius each side. Joints in curbs or curbs and gutters shall be at a maximum spacing of ten feet (10') or a minimum spacing of four feet (4') and formed with a one-quarter inch thick steel template of proper contour and with exposed edges tooled to a one-quarter inch radius.

C. Expansion material must be used between the back of curb (or curb and gutter) and sidewalk, between concrete driveway and sidewalk, between any existing vertical surface (except existing sidewalk) and sidewalk and between root barriers and sidewalk. Expansion joints shall be a maximum of 1/2" thick, and the expansion material shall be cut one-eighth inch (1/8") below the surface at the proposed sidewalk curb or gutter.

D. When specified on the plans or requested by the Contractor and approved by this department, saw-cutting of sidewalks, curb or gutter shall be done as follows:

1. All joints shall be formed (at wearing surface) with tool having a bit of at least one-half inch (1/2") deep and radius of one-quarter (1/4") each side.

2. Open joints where required shall be saw cut the full depth of sidewalk, curb or gutter.

3. Intermediate joints at spacing required shall be saw cut a minimum depth of one and one-half inch (1-1/2").

4. Saw blades used shall not be less than one-eighth inch (1/8") nor more than one-quarter (1/4") thick and shall not be allowed to deviate from a straight line, but such joints shall be clean cut and uniform in width with tooled edges at surface remaining undamaged.

5. Open joints shall be saw cut within forth-eight (48) hours and intermediate joints with twenty-four (24) hours after finishing.

E. Concrete sidewalks which are part of driveways and approaches shall have joint spacing to match adjoining sidewalk.

3.9 CURING

A. Concrete shall be cured by use of a clear compound compatible with the coloring compound and in accordance with manufacturer's recommendations. Submit the proposed material and method for approval prior to use.

B. Care shall be used in the use of water or plastic membranes as their use may have an adverse effect on the coloring compound and/or finish.

3.10 DEFECTIVE CONCRETE

A. The following concrete will be deemed to be defective and shall be removed promptly from the job site.

1. Concrete, which is not formed as indicated, is not true to intended alignment, is not plumb or level where so intended, is not true to intended grades and levels;

2. Has voids or honeycomb that have been cut, resurfaced, or filled, unless with the approval of the Architect;

3. Has sawdust, shavings, wood, or embedded debris;

4. Or does not conform fully to provisions of the Contract Documents.

B. Repairs and replacement

1. Defective concrete may be cut out and repaired with gunite, or other approved methods, when and as directed by the Engineer.

2. Where defective concrete is found after removal of the forms, cut out the defective concrete, if necessary, and make the surfaces match adjacent surfaces.

3. Work uneven surfaces and angles of concrete to a surface matching adjacent concrete surfaces.

3.11 TESTING

A. The Engineer shall have the right to order tests on any material entering into concrete or reinforced concrete to determine its suitability for the proposed purpose. To order reasonable tests of the concrete from time to time to determine whether the materials and methods in use are such as to produce concrete of the necessary quality; and to order the test under load of any portion of the structure when conditions have been such as to leave doubt as to the adequacy of the structure to serve the purpose for which it is intended.

B. Tests of materials and of concrete shall be in accordance with the requirements of the American Society for Testing Materials. Test shall be made by a testing laboratory approved by the Engineer. Test reports shall be submitted to the Engineer. The costs of such tests resulting from construction related problems shall be assumed by the Contractor.

C. Tests on concrete used in construction shall be made by an approved testing laboratory, and reports submitted to the Engineer. The costs of such tests shall be assumed by the Contractor.

1. Not less than three specimens shall be made for each standard test, nor less than one test for each 50 cubic yards of concrete used on the project.

2. Specimens shall be made and cured in accordance with the Standard Method of Making and Curing Concrete Compression and Flexure Test Specimens in the Field, ASTM C31-84.

3. Specimens shall be tested in accordance with the Standard Method of Test for Compression Strength of Molded Concrete Cylinders, ASTM C39-84. Reports to the Engineer shall be submitted for each test performed.

4. Test cylinders taken off truck-mixed concrete shall be taken at the approximate one-quarter point and the three-quarter point of the load.

D. The age for strength tests of concrete shall be 28 days. Strength tests for an earlier age shall be submitted if the Engineer has approved concrete in the structure to receive its full working loads at such earlier time. Seven-day tests may be used with the approval of the Engineer, provided that the relation between the seven and 28-day strengths of the concrete is established by tests for the materials and proportions used.

E. To conform to the requirements of these specifications, the average strength of the laboratory cured cylinders representing each class of concrete as well as the average of any five consecutive strength tests representing each class of concrete shall be equal to or greater than the specified strength and not more than one strength test in ten shall have an average value of less than 90 percent of the specified strength.

F. When there is a question as to the quality of the concrete in the structure, the Engineer shall have the right to require core tests in accordance with the Standard Method of Obtaining and Testing Drilled Cores and Sawed Beams of Concrete, ASTM C42-84a, to order load tests on that portion of the structure where the questionable concrete has been placed, or to require other reasonable tests to evaluate the strength of the structure.

APPENDIX "A"

SUPPLEMENTAL TECHNICAL SPECIFICATIONS
ITB No. 25-04
SAGA BAY DRAINAGE IMPROVEMENTS PROJECT

GENERAL SCOPE OF WORK – Contractor will be required to replace or install any sidewalk amount as ordered by the Public Works department. There will be no minimum parameter.

A. The work includes removal of grass and other materials to prepare the ground for sidewalk installation. Additional tasks will include installation of Americans with Disabilities Act (ADA) compliant ramps at intersections of Streets and Avenues where indicated by the Town. All form work and site preparation shall be conducted with minimum impact and/or damage to the adjacent properties.

B. Remove and dispose of existing trees as indicated by the Town. All trees to remain shall be preserved. See Tree Removal and Preservation Specifications. Size of tree will be paid based on proof from the contractor of size. If proof is not provided, the Town will make such determination of size deemed acceptable.

C. New, five- and six-foot-wide sidewalks shall be constructed per Typical Sidewalk Section Detail and Florida Accessibility Code for Building Construction, latest edition, and Section 522 of the FDOT-SSR&BC, latest edition and other requirement; as required.

D. ADA compliant ramps shall be installed at intersections of Streets and Avenues within the ROW only, per Typical Handicap Ramp Layout Detail.

E. Any disturbed swale areas, private property; other public property shall be re-sodded per Sod Specifications and graded properly as per specifications at the Contractor's expense.

F. Any damage to the roadway, driveway approaches, driveways, abutting sidewalks, aprons surrounding catch basins, manholes, etc. shall be repaired at no expense to the Town, if determined by the Town to be repairs due to negligence or lack of coordination on the part of the Contractor. Re-paving shall be per Pavement Specifications and Miami-Dade County Public Works Manual.

G. Drawings added include the following:

    1. Typical Drawings

H. At the discretion and direction of the Town. Surveys will be required at each block where "new" sidewalks are to be installed to establish R.O.W. centerline and topographic data.

REPLACEMENT & INSTALLATION OF SIDEWALKS TEMPORAY FACILITIES

SECURITY

A. The contractor is responsible for project security. Contractor shall protect and secure the site, materials, and equipment from theft and damage, by whatever means deems effective, at contractor's cost.

B. Work site(s) must be protected properly in accordance with all Federal, State, County and Municipal laws and ordinances, at the end of each workday and weekends.

SPECIAL CONTROLS

A. Water Control:
   1. Keep excavations dry.
   2. Shape excavations, particularly piles of excavated material, so as to divert water from excavations and low spots.

B. Erosion and Sedimentation Control:
   1. Prevent the pollution of land, air and water and control the erosion, washout and surface runoff of earth and stockpiled materials.
   2. Fill material shall contain no organic matter other than the normal organic component of topsoil.
   3. Immediately upon completion of final grading, stabilize graded areas with temporary or permanent vegetation, mulch, or paving.

MAINTENANCE OF TRAFFIC

A. Control of vehicles and Persons:
   1. Provide trained personnel to assure the orderly flow of vehicular traffic during construction.
   2. Contractor shall submit a Maintenance of Traffic Plan (MOT) for review and acceptance by the Town when required.
   3. Upon completion of work each day the lanes shall be opened to traffic. Lane closure procedures shall be in accordance to the F.D.O.T. Standards.
   4. Ensure that private property driveways are usable upon completion of daily work.

B. Limit of Operations:
   1. Any damage or alterations to areas outside the limit of operations shall be returned to original condition within 24 hours at no cost to the Town.

PROJECT IDENTIFICATION

A. No signs, or advertisements will be allowed to be displayed on the premises without the approval of the Town's Representative.

PROJECT HOUSEKEEPING

A. Trash Disposal

1. Keep adjacent streets and site free from accumulations of waste materials and rubbish.

2. Provide central waste area with containers for at least daily removal.

B. Burning:

1. Do not burn any trash or other material on site.

C. Material Removal/Additional Soil:

1. Excess material, including demolished material, roots from trees, excess earth and excess building materials are property of the contractor and shall be removed from site daily and legally disposed of.

2. All material excavated or brought to the project for use/reuse shall be piled within the Public Right-of-Way in a location previously approved by the Town.

3. The Contractor shall leave all locations in an acceptable manner once concrete has been poured. Contractor shall coordinate work to ensure that all sites are clean, sodded as required, and acceptable prior to mobilizing to other locations.

4. The Contractor shall replace any sod, concrete and/or asphalt removed, damaged, or displaced during demolition or performance of work at own expense.

QUALITY OF LIFE PRESERVATION

A. Noise Control

1. Contractor will use discretion whenever engaging in activities that might produce excessive noise and disturb residents in and around work areas.

2. The Town shall have the right to impose reasonable limitations on the Contractor to prevent excessive noise and disturb residents in and around work areas.

B. Access to Property:

1. The Contractor shall at all times maintain meaningful access to a given property for residents of that property.

C. Staging of Work

1. All staging for work by the Contractor within the Town shall be first approved by the Town's department of public works.

[SPACE LEFT INTENTIONALLY BLANK]

REPLACEMENT & INSTALLATION OF SIDEWALKS
POURED CONCRETE
SIDEWALKS & HANDICAP RAMPS & CURBS

DESCRIPTION

A. Provide poured concrete at locations where no sidewalks or ramps exist to be per drawings and specifications.

B. Provide poured concrete in locations where existing sidewalk must be replaced per drawings and specifications, as directed.

C. Provide curb cuts where proposed handicap ramps are installed and there is a conflict with existing curbs. Curb cuts shall allow for a three-foot (3') transition up to either side of the handicap ramp. Any and all cuts shall commence and extend at least four feet (4') from both sides of the handicap ramp. All curbs shall be cut and transitioned in an acceptable manner. All surrounding pavement, sod, asphalt shall be restored to the existing elevation at the Contractor's expense.

QUALITY ASSURANCE

A. Testing and Inspection of Installation

1. Concrete shall not be poured, placed or installed until such time as an inspection of all sites has taken place by the Town authorized personnel. Inspections shall be made to verify appropriate compaction of sub-base and to check forms for line and grade.

2. The Town will inspect the installation. If any concrete is found to be installed improperly, the Contractor will be required to remove and replace promptly. Upon notifications from the contractor, the Town will perform a re-inspection. Should additional concrete be found to be unsatisfactorily installed, and additional inspections required, these inspections shall be at the Contractor's cost, at the discretion of the Town.

PRODUCTS

A. Concrete:

1. Forms:
   Steel, wood, or other suitable material of size and strength to resist movement during concrete placement. Conform to ACI 301.

2. All Joints:
   Joints must be scribed to help prevent cracking

3. Concrete Mix Design:

Mix concrete in accordance with ASTM C94

Design mix to produce normal-weight concrete consisting of Portland cement, aggregate and water to produce the following properties:

a. Compressive strength:3000 psi, minimum at 28 days

b. Slump range: 4" to 6"

c. Air content: 5% to 8%

EXECUTION

A. Inspect surfaces for conditions that will adversely affect the quality of installation.
Do not proceed with the installation until adverse conditions have been corrected.

B. Compact sub-base surface immediately before placing concrete.

C. Replace organic material with clean fill and installed up to 6" lifts and compact to a minimum of 95% compaction. Contractor shall submit type of clean fill for Town's approval prior to construction.

D. The Town has the right to request compaction test at locations chosen by the Town.

E. Concrete finishing:

a. Smooth surface by screeding and floating. Produce a uniform texture.
b. Work edges of slab to a ½" radius. Eliminate tool marks on concrete surface.
c. Broom finish after excess moisture has disappeared.

INSTALLATION

A. General: Comply with requirements Florida Accessibility Code for Building Construction, latest edition, and Section 522 of the FDOT-SSR&BC, latest edition and other requirement as required.

B. All sidewalks and ramps shall be four inches (4") thick except across driveways, driveway approaches, and first five feet (5') of ramps closest to paved roadways where that shall be six inches (6") thick.

C. Sidewalk elevation shall be two inches (2") above the crown of the road, at the back side of the sidewalk, and the pitch shall be ¼ inch per foot toward the road. Elevation may be adjusted, based on the existing grade, as approved by the Town.

D. Contractor shall ensure that where handicap ramps are installed and there is a

conflict with a curb that the curbing shall be cut back and transitioned for a distance of three feet (3') on either side of the ramps. The cut shall be provided at least one foot (1') behind the transition point. All modifications to the curb shall match existing curbs and shall be flush without exception.

E. No wire or wire mesh shall be utilized within the public right of way. (R.O.W.).

F. Concrete shall not be poured, placed, or installed until such time as an inspection of all sites has taken place as per Section 3.1602 QUALITY ASSURANCE. **IF ANY WORK OR PORTION OF WORK HAS NOT BEEN INSPECTED AS PER SECTION 3.1602, THAT PORTION OF WORK SHALL BE IMMEDIATELY REMOVED AND REPLACED ONCE THE INSPECTION HAS BEEN CONFIRMED AT NO COST TO THE TOWN.**

G. Place concrete using methods which prevent segregation of mix. Consolidate concrete along face of forms and adjacent to transverse joints with internal vibrator. Keep vibrator away from joint assemblies, or side forms. Use only square-faced shovels for hand-spreading and consolidation. Consolidate with care to prevent dislocation of re-enforcing, dowel, and joint devices.

H. Deposit and spread concrete in a continuous operation between transverse joints, as far as possible.

I. Contractor shall replace all damaged or misaligned private walkways and driveways with a transition to the private property at 8 to 1 fill slope transition. All other locations shall have a 4 to 1 fill slope transition. Organic material can be used in areas outside walkways and driveways that require fill slopes. All costs associated with this task must be included in unit price.

J. Avoid premature cracking by installing expansions joint where required.

K. Utility boxes shall be raised to sidewalk elevations or flush with sidewalk as to prevent trip hazard.

L. Install root bio barrier prior to forming and pouring concrete.

M. Install root bio barrier at existing trees and new trees. Length of root bio barrier shall be ten feet (10') long centered on the tree by twelve inches (12") deep at one inch to two inch (1"-2") below the top of the sidewalk.

N. Concrete shall not be poured, installed, or placed around manholes, cleanouts, or other structures until they are at required elevations and alignment. Contractor shall notify the Town in writing of manholes, cleanouts, or other items that may require relocation prior to pour.

O. All sidewalk that the Town has determined to be replaced due to deterioration, cracking, uplifting, improper sloping, misalignments, grade, etc. will be removed and replaced as required by specification.

P. Removal of existing sidewalk shall be performed by saw cutting the section of

unacceptable sidewalk (as determined by the Town) at the nearest acceptable five-foot (5') flag. New sidewalk shall be poured in its place as established by specifications.

Q. All areas where existing sidewalk is to be replaced must be prepared and graded to match adjacent sidewalk flags.

R. All replacement sidewalk sections shall be installed to match the existing sidewalk elevation.

[SPACE LEFT INTENTIONALLY BLANK]

REPLACEMENT & INSTALLATION OF SIDEWALKS
PROTECTION STORM DRAINS

PROTECTION

A. All storm drain inlets must be protected from sediments entering the storm water conveyance system prior to disturbance to the area.

B. All sediment and erosion control practices must be in accordance with the Florida Department of Environmental Protection Storm Water Sediment and Erosion Control Manual Section 4.08 (Storm Drain Protection Procedures) (Best Management Practices BMPs).

[SPACE LEFT INTENTIONALLY BLANK]

REPLACEMENT & INSTALLATION OF SIDEWALKS
TREE REMOVAL & PRESERVATION

REMOVALS

A. **ONLY** the trees and/or shrubs that are deemed by the Town to interfere with the intent of the contract shall be removed or root pruned as needed. All cost associated with vegetation removal and/or root pruning shall be included with the unit price.

B. The contractor shall be required to review the site prior to performance of work and ensure no conflicts exist. Any tree in conflict with the expected location of new sidewalk shall be reported to the Town for review.

C. Remove trees and grind stumps and all surface roots to a minimum of 4" below grade.

D. Restore the location where tree removals take place with soil and sod at grade.

PRESERVATION

The following actions and precautions shall be done to protect any trees that will remain in all of the construction areas during construction. These trees shall be those located near new sidewalk installation.

A. Root Pruning

1. All existing trees shall be root pruned along the sidewalk prior to sidewalk removal, excavation, and installation.
2. The root cutting shall be clean with no tears with root pruning machine.
3. The cut shall extend from the tree out 4 feet minimum in both directions, or as the field may permit to ensure the protection of the tree.
4. The cut shall be 12 inches below grade.
5. The cut shall be no wider than 3 inches.

B. Protective Root Bio Barriers

1. Bio Barriers shall be placed no less than 6 feet around each tree or no less than 1 foot from edge of street, sidewalk, or driveway.
2. Bio Barriers shall be a minimum of 4 feet above ground level, constructed of wood, metal or rigid plastic, in the form of a fence. No barrier shall be secured in any way to the tree.
3. Bio Barriers shall be installed prior to construction and remain until the Town authorizes their removal.
4. No excess oil, fill, equipment, building materials or debris shall be placed within the barriers.
5. The existing grade within the bio barrier shall not be changed.

REPLACEMENT & INSTALLATION OF SIDEWALKS
SOD & INSTALLATION

MATERIALS

A. Sod shall be St. Augustine 'Floratam', grade A.

B. Sod shall be weed and insect free.

INSTALLATION

Those areas disturbed as a consequence of sidewalk installation and those areas disturbed as a consequence of Contractor mobilization and stock piling shall be restored promptly at **Contractor's expense**.

The Contractor shall not utilize methods of mobilization or execution of work that impacts private/public areas excessively and/or in a manner that is unacceptable to the Town. Contractor shall ensure that all private and/or public areas impacted by the mobilization, stock piling, or lack of coordination as interpreted by the Town are restored at no cost to the Town.

A. Only damaged areas of swales or private property shall be replaced. Where sidewalks require to be elevated above existing grade, swales shall be graded to a 12 to 1 fill slope with sod.

B. Sodded areas shall have any compaction relieved, raked smooth and rocks or debris removed.

C. Areas along the street and sidewalk shall be 2" inches below that surface so installed sod will be level with that surface.

D. Sod will be laid tightly together and cut to a uniform edge along hard surfaces and around trees or palms. The sod around trees or palms shall be laid encircling to within 18 inches, or up to the berm surrounding newly installed trees or palms.

E. Sod shall be watered within one hour of installation and shall be maintained moist.

QUALITY ASSURANCE

A. No sub-par sod or broken pieces will be accepted and shall be removed from the site daily.
B. No yellow sod will be accepted.
C. Sod shall not be placed together with scraps that do not contain sufficient roots to sustain growth.
D. Contractor is responsible for his own square foot take-offs to provide 100% sod coverage throughout the scope of the project.
E. Rejected areas will be removed and replaced immediately, and all sod maintained.
-

REPLACEMENT & INSTALLATION OF SIDEWALKS PAVEMENT

PAVEMENT

A. Pavement repairs of driveway approaches and section of driveways affected by installation of sidewalks shall be re-installed with one inch (1") of asphalt in accordance with the FDOT Manual of Uniform Minimum Standards for Design, Construction & Maintenance for Streets & Highways, latest edition.

B. Concrete repairs shall be limited to damage which results as part of construction and elevation changes of the new sidewalk.

EXECUTION

A. Contractor shall repair asphalt/concrete driveway approaches where existing approaches are damaged by construction process. Contractor shall photograph all existing approaches and sidewalks prior to starting construction or risk repairing at his cost.

QUALITY ASSURANCE

A. Testing and Inspection of Installation

1. The Town will inspect the installation. If any asphalt or concrete is found to not be installed adequately, the Contractor will be required to remove and replace promptly. Upon notifications from the contractor, the Town will perform a re-inspection. Should additional asphalt be found to be unsatisfactorily installed, and additional inspections are required, these inspections shall be at Contactor's cost, at the discretion of the Town.

[SPACE LEFT INTENTIONALLY BLANK]

REPLACEMENT & INSTALLATION OF SIDEWALKS IRRIGATION

CONDITIONS

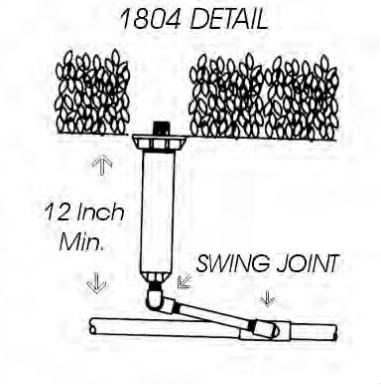
A. Contractor is responsible for identifying any irrigation piping that residents may have either in the swale or along the existing sidewalk. Any irrigation piping, sprinklers or wiring must be replaced to the residents' satisfaction.

B. Contractor shall identify and document all locations and notify the Town's authorize personnel of any existing irrigation systems. Documents will be used by the Town's authorize personnel for inspection to verify satisfactory repairs or replacements.

INSTALLATION

A. Any piping that is removed shall be replaced with equal size PVC; PR160 or PR200. Schedule 40 PVC fittings shall be used.

B. Sprinklers shall be Rainbird 1804, mounted with swing joints, with the appropriate pattern of nozzle (see detail 1804)



.

REPLACEMENT & INSTALLATION OF SIDEWALKS FENCING

CONDITONS

A. Contractor is responsible for identifying any existing fencing that residents may have either in the swale or along the existing sidewalk. Any fencing must be relocated to the Town's satisfaction.

B. Contractor shall identify and document all locations and notify the Town's authorized personnel of any existing fences. Documents will be used by the Town's authorized personnel for inspection to verify satisfactory re- location.

INSTALLATION

A. Any fencing that is removed shall be replaced with like material or re-located in compliance with applicable codes and regulations.

B. Contractor shall adjust heights of existing fence gates when the sidewalk elevation conflicts with their use.

APPENDIX "B"

SURVEY

Stoner and Associates, Inc.

SKETCH OF TOPOGRAPHIC SURVEY

ABBREVIATIONS

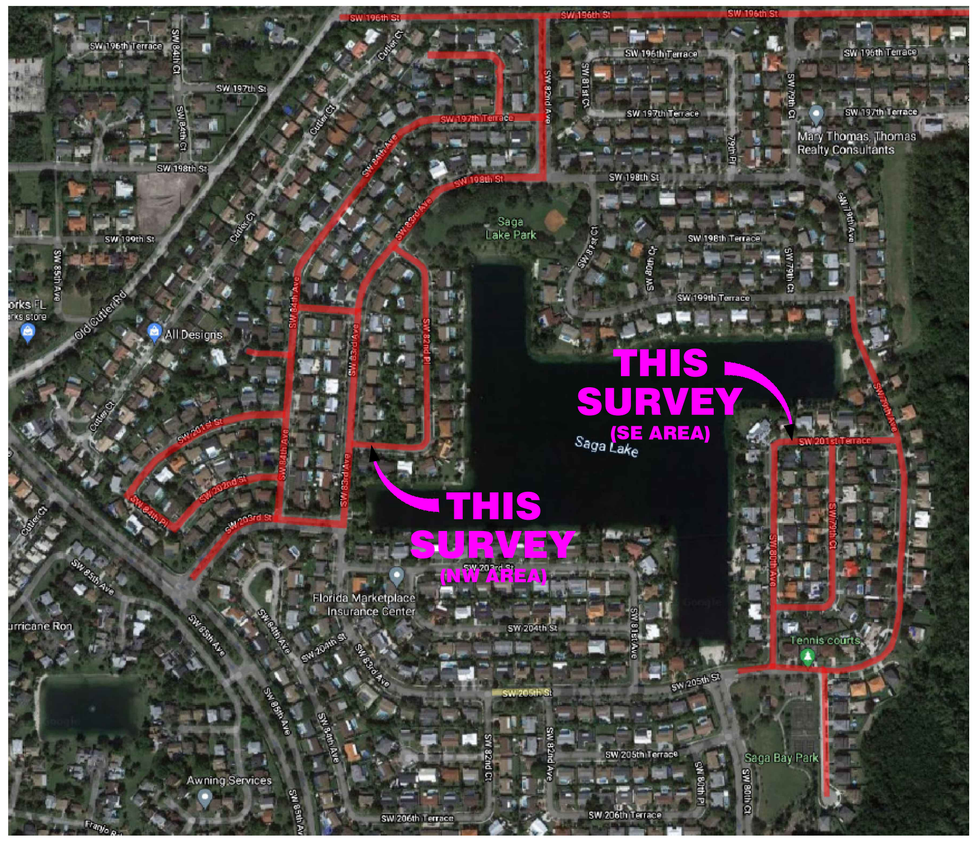
C.B.	CATCH BASIN
℄	CENTER LINE
C&G	CURB & GUTTER
CMP	CORRUGATED METAL PIPE
CONC.	CONCRETE
DWY.	DRIVEWAY
EASEMENT(*)	2' EASEMENT FOR INSTALLATION & MAINTENANCE OF FIRE HYDRANTS, STREET LIGHTS AND GUARDRAILS
ELEC.	ELECTRIC
ELEV.	ELEVATION
FND.	FOUND
HDPE	HIGH DENSITY POLYETHYLENE PIPE
I.E.	INVERT ELEVATION
IRC	IRON ROD WITH SURVEY CAP
L.B.	LICENSED BUSINESS
M.D.C.R.	MIAMI-DADE COUNTY RECORDS
MH	MANHOLE
N/D	NAIL & DISC
O.R.B.	OFFICIAL RECORDS BOOK
P.B.	PLAT BOOK
N/A	NOT AVAILABLE
PG.	PAGE
PRD	POLLUTANT RETARDANT DEVICE (BAFFLE)
PVC	POLYVINYL CHLORIDE
RCP	REINFORCED CONCRETE PIPE
R.E.	RIM ELEVATION
R/W	RIGHT-OF-WAY
S/A	STONER & ASSOCIATES, INC.
SAN	SANITARY
SWLK.	SIDEWALK
TRAV.PT.	TRAVERSE POINT
U.E.	UTILITY EASEMENT
+8.26	SPOT ELEVATION

LEGEND

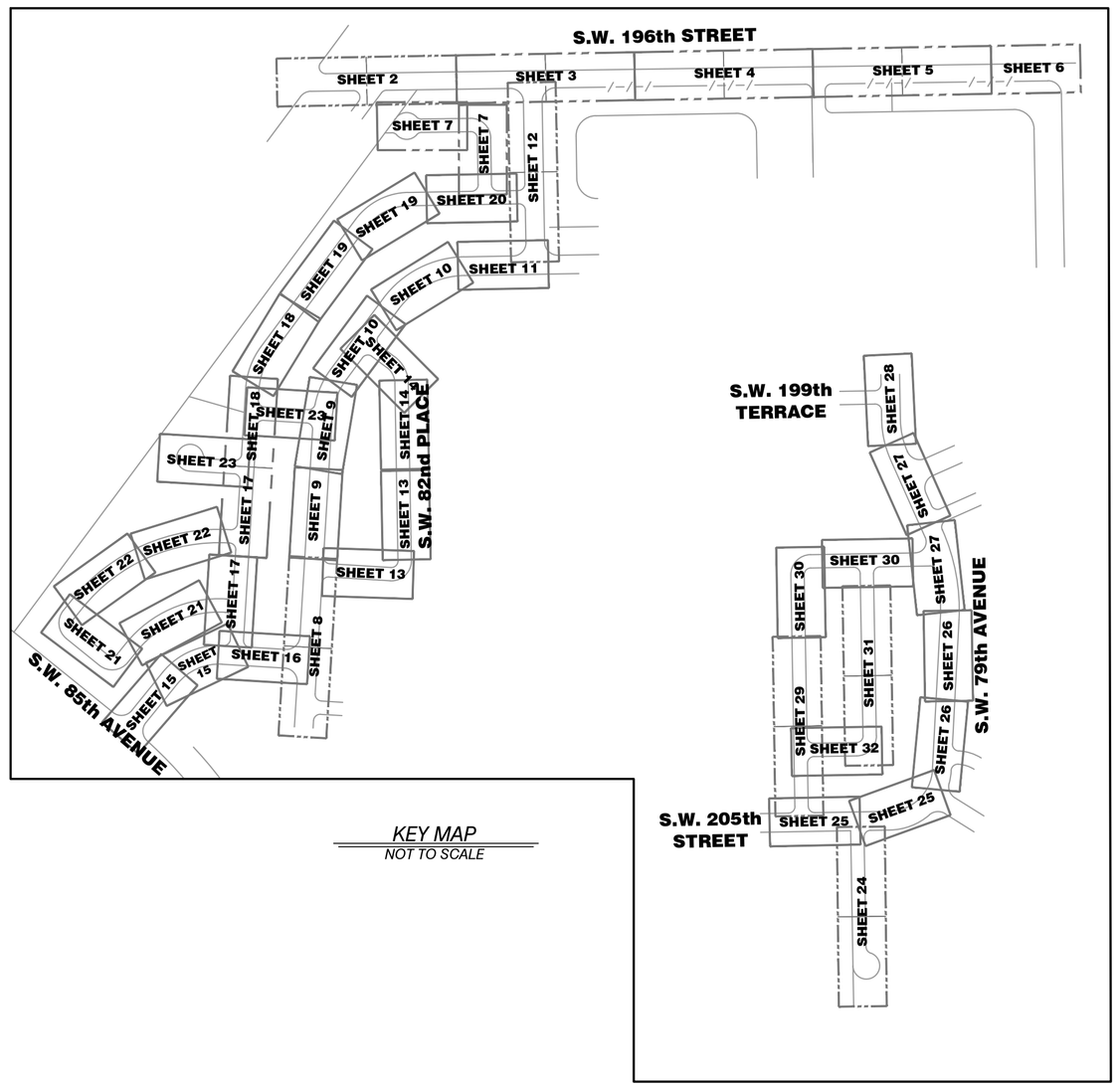
- AIR RELEASE VALVE IN MANHOLE
- BACK FLOW PREVENTER
- BIKE LANE
- BOLLARD
- BLOCK NUMBER
- CABLE TV BOX
- CABLE TV RISER
- CATCH BASIN
- CONCRETE LIGHT POLE
- DOUBLE SUPPORT SIGN
- ELECTRIC METER
- ELECTRIC OUTLET
- ELECTRIC PANEL
- ELECTRIC VAULT
- ELECTRIC WIRE PULL BOX
- FIRE HYDRANT
- GROUND LIGHT
- IRRIGATION PUMP
- LAMP POST
- MAIL BOX
- METAL LIGHT POLE
- PALM TREE
- PALM TREE CLUSTER
- PINE TREE
- PIPE CONTINUES
- SANITARY SEWER CLEANOUT
- SANITARY SEWER MANHOLE
- SANITARY SEWER VALVE
- SIGN ON POST
- SIGNAL MAST ARM
- STORM DRAINAGE MANHOLE
- STORM DRAINAGE CURB INLET
- SURVEY CONTROL POINT IDENTIFICATION NUMBER
- TRANSFORMER ON PAD
- TELEPHONE CABINET
- TELEPHONE RISER
- TELEPHONE VAULT
- TELEPHONE WIRE PULL BOX
- TRAFFIC WIRE PULL BOX
- UNKNOWN UTILITY VAULT
- UNKNOWN UTILITY RISER
- SHADE TREE
- SHADE TREE CLUSTER
- WATER METER
- WATER VALVE
- WATER VAULT
- WOOD POST

LINE TYPES LEGEND

- OHW — OVERHEAD WIRES
- STRM — STORM DRAINAGE PIPE
- SAN — SANITARY SEWER PIPE
- WOOD FENCE
- CHAIN LINK FENCE
- METAL GUARD RAIL
- METAL FENCE
- TREE/HEDGE LINE



LOCATION MAP
NOT TO SCALE



KEY MAP
NOT TO SCALE

PROJECT CONTROL POINT TABLE

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
100	455418.95	878228.81	8.46	SET 5/8" IRC STAMPED "TRAV.PT. S/A"
101	455404.29	878538.23	6.99	FOUND N/D LB6680
102	455442.80	878812.97	6.45	SET N/D STAMPED "TRAV.PT. LB6633"
103	455417.50	879141.62	5.17	SET N/D STAMPED "TRAV.PT. LB6633"
104	455456.11	879680.92	7.10	SET 5/8" IRC STAMPED "TRAV.PT. S/A"
105	455433.19	880211.91	5.99	SET N/D STAMPED "TRAV.PT. LB6633"
106	455464.90	880665.80	8.43	SET N/D STAMPED "TRAV.PT. LB6633"
107	455466.55	881027.16	8.47	SET N/D STAMPED "TRAV.PT. LB6633"
108	455017.06	879183.19	5.86	SET N/D STAMPED "TRAV.PT. LB6633"
109	454727.08	879129.12	5.48	SET N/D STAMPED "TRAV.PT. LB6633"
110	454706.34	878737.47	5.95	SET N/D STAMPED "TRAV.PT. LB6633"
111	454463.30	878497.97	5.13	SET N/D STAMPED "TRAV.PT. LB6633"
112	454302.12	878659.91	5.75	SET N/D STAMPED "TRAV.PT. LB6633"
113	453929.66	878649.79	5.61	SET N/D STAMPED "TRAV.PT. LB6633"
114	453580.36	878667.44	6.06	SET N/D STAMPED "TRAV.PT. LB6633"
115	453597.03	878310.74	6.08	SET N/D STAMPED "TRAV.PT. LB6633"
116	453255.54	878309.50	5.44	SET N/D STAMPED "TRAV.PT. LB6633"
117	453307.21	878033.55	5.24	SET N/D STAMPED "TRAV.PT. LB6633"
118	453198.55	877803.67	6.18	SET N/D STAMPED "TRAV.PT. LB6633"
119	452946.71	877628.13	5.81	SET N/D STAMPED "TRAV.PT. LB6633"
120	453468.93	878051.28	5.84	SET N/D STAMPED "TRAV.PT. LB6633"
121	453423.40	877773.92	6.27	SET N/D STAMPED "TRAV.PT. LB6633"
122	453236.50	877575.76	6.96	SET N/D STAMPED "TRAV.PT. LB6633"
123	453384.25	877371.56	7.22	SET N/D STAMPED "TRAV.PT. LB6633"
124	453648.76	877640.09	6.21	SET N/D STAMPED "TRAV.PT. LB6633"
125	453744.34	878067.91	5.49	SET N/D STAMPED "TRAV.PT. LB6633"
126	453978.02	878059.70	5.79	SET N/D STAMPED "TRAV.PT. LB6633"
127	454005.10	877828.15	6.60	SET N/D STAMPED "TRAV.PT. LB6633"
128	454182.46	878080.35	6.31	SET N/D STAMPED "TRAV.PT. LB6633"
129	454166.49	878341.83	6.01	SET N/D STAMPED "TRAV.PT. LB6633"
130	453887.80	878348.97	6.54	SET N/D STAMPED "TRAV.PT. LB6633"
131	454413.62	878133.77	6.05	SET N/D STAMPED "TRAV.PT. LB6633"
132	454695.17	878342.21	5.40	SET N/D STAMPED "TRAV.PT. LB6633"
133	454987.06	878585.54	6.55	SET N/D STAMPED "TRAV.PT. LB6633"
134	454999.27	878962.56	5.67	SET N/D STAMPED "TRAV.PT. LB6633"
135	455253.49	878949.96	6.60	SET N/D STAMPED "TRAV.PT. LB6633"
136	455263.82	878649.16	7.60	SET N/D STAMPED "TRAV.PT. LB6633"
137	454240.65	880462.28	7.07	SET N/D STAMPED "TRAV.PT. LB6633"
138	453983.03	880521.27	6.54	SET N/D STAMPED "TRAV.PT. LB6633"
139	453636.20	880668.42	6.37	SET N/D STAMPED "TRAV.PT. LB6633"
140	453348.55	880710.71	7.98	SET N/D STAMPED "TRAV.PT. LB6633"
141	453007.65	880692.49	8.81	SET N/D STAMPED "TRAV.PT. LB6633"
142	452705.13	880622.59	9.66	SET N/D STAMPED "TRAV.PT. LB6633"
143	452635.96	880357.56	8.10	SET N/D STAMPED "TRAV.PT. LB6633"
144	452145.51	880368.37	6.85	SET N/D STAMPED "TRAV.PT. LB6633"
145	452650.78	880151.34	6.91	SET N/D STAMPED "TRAV.PT. LB6633"
146	452919.45	880140.07	8.32	SET N/D STAMPED "TRAV.PT. LB6633"
147	453276.52	880132.07	7.75	SET N/D STAMPED "TRAV.PT. LB6633"
148	453621.69	880148.02	7.16	SET N/D STAMPED "TRAV.PT. LB6633"
149	453616.52	880394.53	5.92	SET N/D STAMPED "TRAV.PT. LB6633"
150	453269.97	880391.66	8.64	SET N/D STAMPED "TRAV.PT. LB6633"
151	452917.89	880403.26	10.00	SET N/D STAMPED "TRAV.PT. LB6633"

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD 1929)

SURVEY NOTES:

1. THIS SKETCH OF TOPOGRAPHIC WAS PREPARED IN ACCORDANCE WITH THE STANDARDS OF PRACTICE FOR SURVEYING ESTABLISHED BY THE BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODES, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.
2. THIS SURVEY IS NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL EMBOSSED SEAL OF A FLORIDA LICENSED PROFESSIONAL SURVEYOR AND MAPPER. IF THIS SURVEY HAS BEEN DELIVERED IN PORTABLE DOCUMENT FORMAT (PDF) AND DIGITALLY SIGNED AND SEALED, A VALID SERIAL NUMBER MUST BE PRESENT FOR THE SURVEY TO BE CONSIDERED VALID.
3. BOUNDARY LINES AND RIGHT-OF-WAY LINES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ARE BASED ON PLATS OF RECORD AND FOUND PROPERTY CORNERS. THE LINES FOR THE NW AND SE AREAS WERE CALCULATED SEPARATELY. THE SURVEYOR DID NOT TRY TO RECONCILE BOTH AREAS. THIS SKETCH OF SURVEY DOES NOT REPRESENT A SURVEY OF THE BOUNDARY OR RIGHT OF WAY LINES.
4. A SEARCH OF THE PUBLIC RECORDS FOR OWNERSHIP, EASEMENTS, RIGHTS-OF-WAY, OR OTHER MATTERS OF RECORD WAS NOT PERFORMED BY STONER & ASSOCIATES, INC. THERE MAY BE ADDITIONAL INFORMATION RECORDED IN THE PUBLIC RECORDS THAT IS NOT SHOWN HEREON. FOR FURTHER INFORMATION, CONTACT A QUALIFIED TITLE COMPANY OR CONSULT THE PUBLIC RECORDS OF MIAMI-DADE COUNTY, FLORIDA
5. THE HORIZONTAL COORDINATES SHOWN HEREON ARE BASED ON THE FLORIDA STATE PLANE COORDINATE SYSTEM (EAST ZONE), NORTH AMERICAN DATUM 1983/2011 ADJUSTMENT (N.A.D. 83/2011). THE COORDINATES FOR EACH CONTROL POINT WERE ESTABLISHED BY UTILIZING A COMBINATION OF GPS OBSERVATIONS AND/OR CONVENTIONAL SURVEY MEASUREMENTS.
6. THE ELEVATIONS SHOWN HEREON ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929 (N.G.V.D. 1929) ESTABLISHED FROM MIAMI-DADE COUNTY BENCHMARKS: U-7131, A PK NAIL AND BRASS WASHER SET IN CONCRETE DECL OF CATCH BASIN LOCATED 15' NORTH OF THE NORTH EDGE OF PAVEMENT OF SW 207th STREET AND 80' EAST OF PROJECTED EAST EDGE OF PAVEMENT OF SW 82nd COURT. ELEV.= 4.96'. GRADE, A US C & G BRASS DISC IN CONCRETE MONUMENT LOCATED 85' NORTH OF PROJECTED CENTERLINE OF SW 196th STREET AND 50' NORTH OF THE CENTERLINE OF OLD CUTLER ROAD. ELEV.= 8.05'
7. CERTAIN FEATURES ARE REPRESENTED BY THE SYMBOLS REFLECTED IN THIS MAP. THE LEGEND OF FEATURES MAY HAVE BEEN ENLARGED FOR CLARITY AND MAY NOT REPRESENT THE ACTUAL SHAPE OR SIZE OF THE FEATURE. THE SYMBOLS HAVE BEEN PLOTTED AT THE APPROXIMATE CENTER OF THE FEATURE BASED UPON THE FIELD LOCATION.
8. THIS SKETCH IS INTENDED TO BE DISPLAYED AT A HORIZONTAL SCALE OF 1 INCH = 20 FEET.
9. THE HORIZONTAL ACCURACY FOR WELL DEFINED IMPROVEMENTS DEPICTED ON THIS SKETCH IS ONE-TENTH (0.1' ±) OF A FOOT, PLUS OR MINUS. THE VERTICAL (ELEVATIONS) ACCURACY FOR WELL DEFINED IMPROVEMENTS, FEATURES, AND SURFACES DEPICTED ON THIS SURVEY IS TWO-TENTHS (0.2' ±) OF A FOOT, PLUS OR MINUS.
10. TREE SURVEY IS LIMITED TO THE LOCATION OF TREES ONLY.
11. HEDGES, GROUND COVER, AND OTHER LANDSCAPE FEATURES ARE NOT SHOWN HEREON, UNLESS OTHERWISE NOTED.
12. IRRIGATION FEATURES, SUCH AS SPRINKLERS, ARE NOT SHOWN HEREON.
13. FENCES AND WALL DIMENSIONS ARE APPROXIMATE. THE SURVEYOR DID NOT DETERMINE OWNERSHIP OF FENCES AND WALLS.
14. SUBSURFACE FEATURES ARE NOT SHOWN HEREON. THIS SITE COULD HAVE UNDERGROUND INSTALLATIONS THAT ARE NOT SHOWN HEREON. BEFORE DESIGN, CONSTRUCTION, OR EXCAVATION CONTACT 811 AND/OR THE APPROPRIATE UTILITY COMPANIES FOR FIELD VERIFICATION OF UTILITIES.
15. THE DIMENSIONS SHOWN HEREON ARE BASED UPON U.S. SURVEY FEET AND FRACTIONAL PARTS THEREOF. PIPE SIZES ARE NOTED IN INCHES.
16. THE SURVEYOR DID NOT INSPECT THIS PROPERTY FOR ENVIRONMENTAL HAZARDS.
17. THE STORM DRAINAGE AND SANITARY SEWER AS-BUILT DATA SHOWN HEREON WAS COLLECTED FOR ENGINEERING DESIGN PURPOSES ONLY. THE AS-BUILT DATA IS LIMITED TO STRUCTURE RIM AND PIPE INVERT ELEVATIONS ONLY. PIPE SIZES AND PIPE MATERIAL TYPES SHOULD BE CONFIRMED BEFORE DESIGN OF IMPROVEMENTS. THE SURVEYORS DID NOT PHYSICALLY ENTER THE STRUCTURES. ALL THE MEASUREMENTS AND ELEVATIONS WERE COLLECTED (WITH THE LID OF THE STRUCTURE REMOVED) BY VISUAL OBSERVATIONS IN ACTIVE FACILITIES WITH WATER AND EFFLUVIUM PRESENT. THE CONNECTIONS BETWEEN STRUCTURES WERE NOT VISUALLY INSPECTED OR VERIFIED AND THE CONDITION OF PIPING WAS NOT DETERMINED. CRITICAL ELEVATIONS AND DIMENSIONS SHOULD BE VERIFIED BEFORE DESIGN OF IMPROVEMENTS, WITH THE FACILITIES PUMPED DOWN AND PIPES CLEANED OUT. BEFORE ORDERING REPLACEMENT OR CONNECTING PIPES THE SIZE AND TYPE OF PIPES SHOULD BE CONFIRMED. THE SANITARY SEWER AS-BUILT DATA IS LIMITED TO RIM ELEVATION, ONLY.
18. THE INFORMATION DEPICTED ON THIS SKETCH OF SURVEY REPRESENTS THE RESULTS OF A FIELD SURVEY ON THE DATE INDICATED ON THE BORDER OF THE DRAWING AND CAN ONLY BE CONSIDERED VALID FOR THIS DATE AND INDICATES THE GENERAL CONDITIONS EXISTING AT THE TIME OF THE FIELD SURVEY.
19. THIS SKETCH OF SURVEY CANNOT BE RELIED UPON BY PERSONS OR ENTITIES OTHER THAN THOSE PERSONS OR ENTITIES CERTIFIED TO HEREON. ADDITIONS OR DELETIONS TO THIS SURVEY AND/OR REPORTS BY PEOPLE OR PERSONS OTHER THAN THE SIGNING PARTIES ARE PROHIBITED WITHOUT PRIOR WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.
20. THE INFORMATION CONTAINED IN THIS DOCUMENT WAS PREPARED BY STONER & ASSOCIATES, INC. (S&A). S&A HAS TAKEN PRECAUTIONS TO ENSURE THE ACCURACY OF THIS DOCUMENT AND THE DATA REFLECTED HEREIN. S&A CANNOT NOT GUARANTEE THAT ALTERATIONS AND/OR MODIFICATIONS WILL NOT BE MADE TO THE DATA CONTAINED IN THIS DOCUMENT BY OTHERS AFTER IT LEAVES OUR POSSESSION. THIS DOCUMENT MUST BE COMPARED TO THE ORIGINAL HARD COPY (WHICH BEARS THE RAISED SURVEYOR'S CERTIFICATION SEAL) TO ENSURE THE ACCURACY OF THE INFORMATION CONTAINED HEREON AND TO FURTHER ENSURE THAT ALTERATIONS AND/OR MODIFICATIONS HAVE NOT BEEN MADE. S&A MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, CONCERNING THE ACCURACY OF THE INFORMATION CONTAINED IN THIS OR ANY DOCUMENT TRANSMITTED OR REVIEWED BY COMPUTER OR OTHER ELECTRONIC MEANS. CONTACT S&A FOR VERIFICATION OF ACCURACY.
21. VIEWPORTS ARE PER KIMLEY-HORN.

CERTIFIED TO:

KIMLEY HORN
TOWN OF CUTLER BAY

SURVEYOR'S CERTIFICATE:

THIS IS TO CERTIFY THAT THIS SKETCH OF TOPOGRAPHIC SURVEY WAS MADE UNDER MY RESPONSIBLE CHARGE AND IS ACCURATE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. I FURTHER CERTIFY THAT THIS SKETCH MEETS THE STANDARDS OF PRACTICE, ESTABLISHED BY THE BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS, CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODES, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

DATE OF SIGNATURE: 5.31.2022

WALTER DE LA ROCHA
PROFESSIONAL SURVEYOR AND MAPPER NO. 6081
STATE OF FLORIDA
STONER AND ASSOCIATES, INC. L.B. 6633
wdelarocha@stonersurveyors.com

NO.	REVISION	DATE	BY :

THE MATERIAL SHOWN HEREON IS THE PROPERTY OF STONER & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT PERMISSION OF STONER & ASSOCIATES, INC. COPYRIGHT © 2022

STONER
SURVEYORS • MAPPERS
Licensed Business No. 6633
4341 S.W. 62nd AVENUE, DAVIE, FLORIDA 33314
TEL (954) 585-0997
www.stonersurveyors.com

SKETCH OF TOPOGRAPHIC SURVEY
SAGA BAY NEIGHBORHOOD DRAINAGE IMPROVEMENTS
SAGA BAY BASINS 1.1 EAST, 1.1 WEST, 1.5 NORTH, 1.6 AND 1.8
TOWN OF CUTLER BAY, MIAMI-DADE COUNTY, FL

LAST DATE OF FIELD SURVEY: 04.28.2022
DRAWN: MDLR
CHECKED: JDS
BOOK/PAGE(S): 1149/8-26, 35
S: DATA COLLECTOR

SEAL

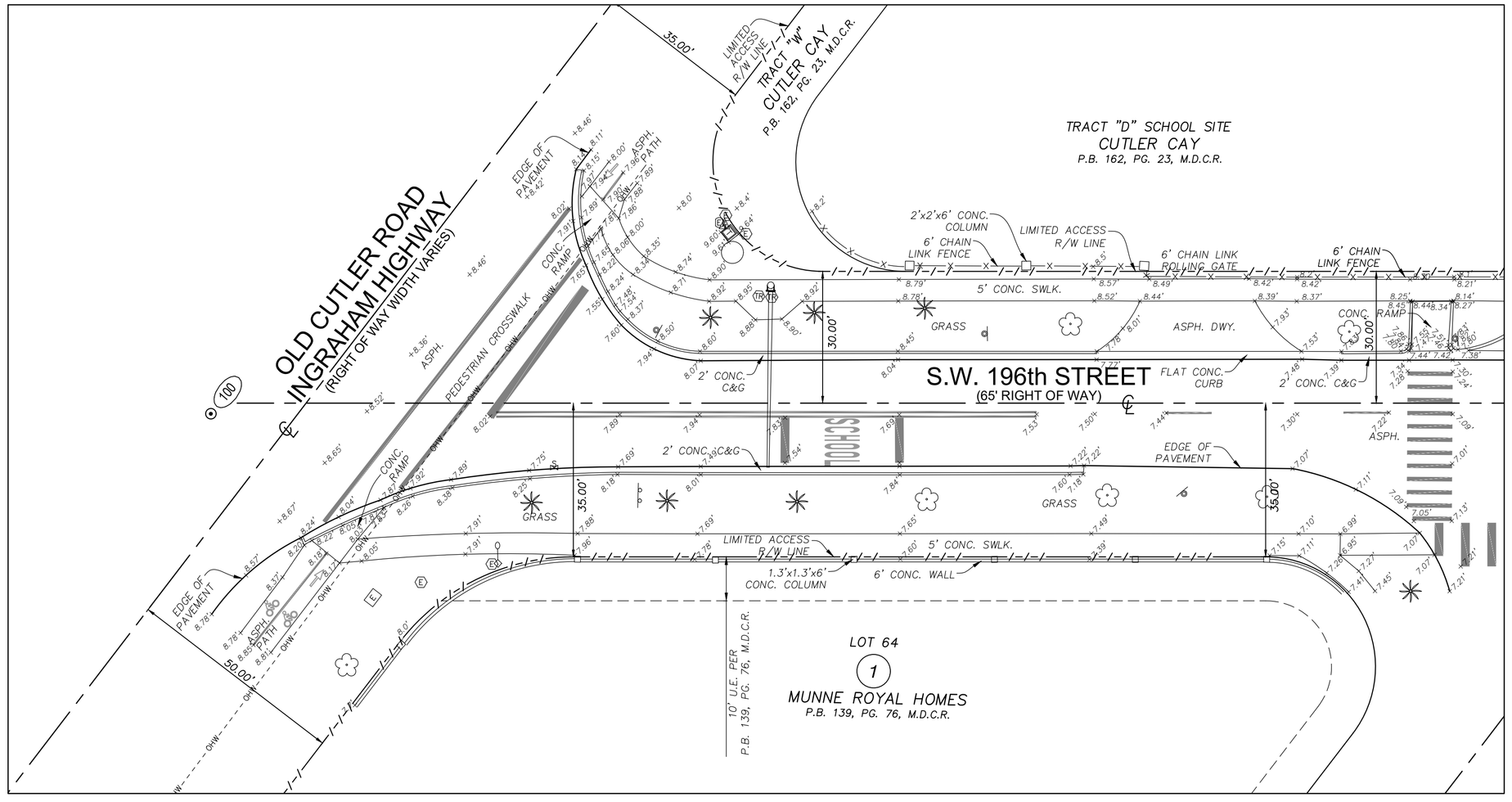
PROJECT
21-9336

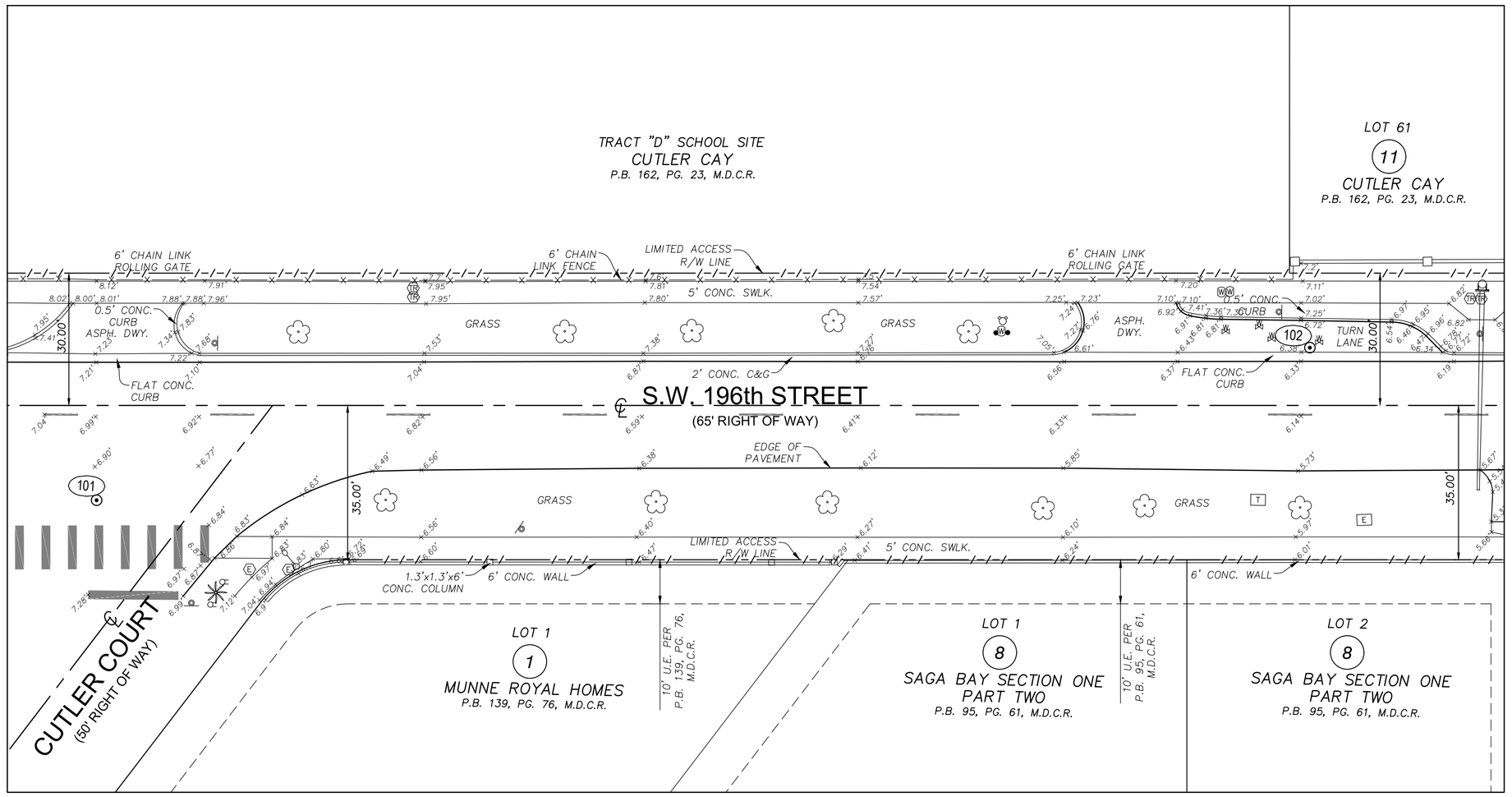
SHEET NO.
1 OF 32

Town of Cutler Bay | ITB No. 25-04
Saga Bay Neighborhoods Drainage Improvements Project
Page 154 of 329

DATE: May 31, 2022 - 8:12am EST
FILE: F:\Gnow\KIMLEY-HORN\2021\21-9336 Saga Bay Cutler Bay\01-Drawing\21-9336.dwg

SKETCH OF TOPOGRAPHIC SURVEY





SCALE: 1" = 20'

0 5 10 20 40
GRAPHIC SCALE

THE MATERIAL SHOWN HEREON IS THE PROPERTY OF STONER & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT PERMISSION OF STONER & ASSOCIATES, INC. COPYRIGHT © 2022

NO.	REVISION	DATE	BY:

TEL (954) 585-0997
www.stonersurveyors.com

STONER
SURVEYORS • MAPPERS
Licensed Business No. 6633
4341 S.W. 62nd AVENUE, DAVIE, FLORIDA 33314

SKETCH OF TOPOGRAPHIC SURVEY
SAGA BAY NEIGHBORHOOD
DRAINAGE IMPROVEMENTS
SAGA BAY BASINS 1.1 EAST, 1.1. WEST, 1.5 NORTH, 1.6 AND 1.8
TOWN OF CUTLER BAY, MIAMI-DADE COUNTY, FL

LAST DATE OF FIELD SURVEY:	04.28.2022
DRAWN:	WDLR
CHECKED:	JDS
BOOK/PAGE(S):	1149/8-26, 35
& DATA COLLECTOR	

WALTER DE LA ROCHA
PROFESSIONAL SURVEYOR AND MAPPER NO. 6081
STATE OF FLORIDA

PROJECT
21-9336

SHEET NO.
2 OF 32

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

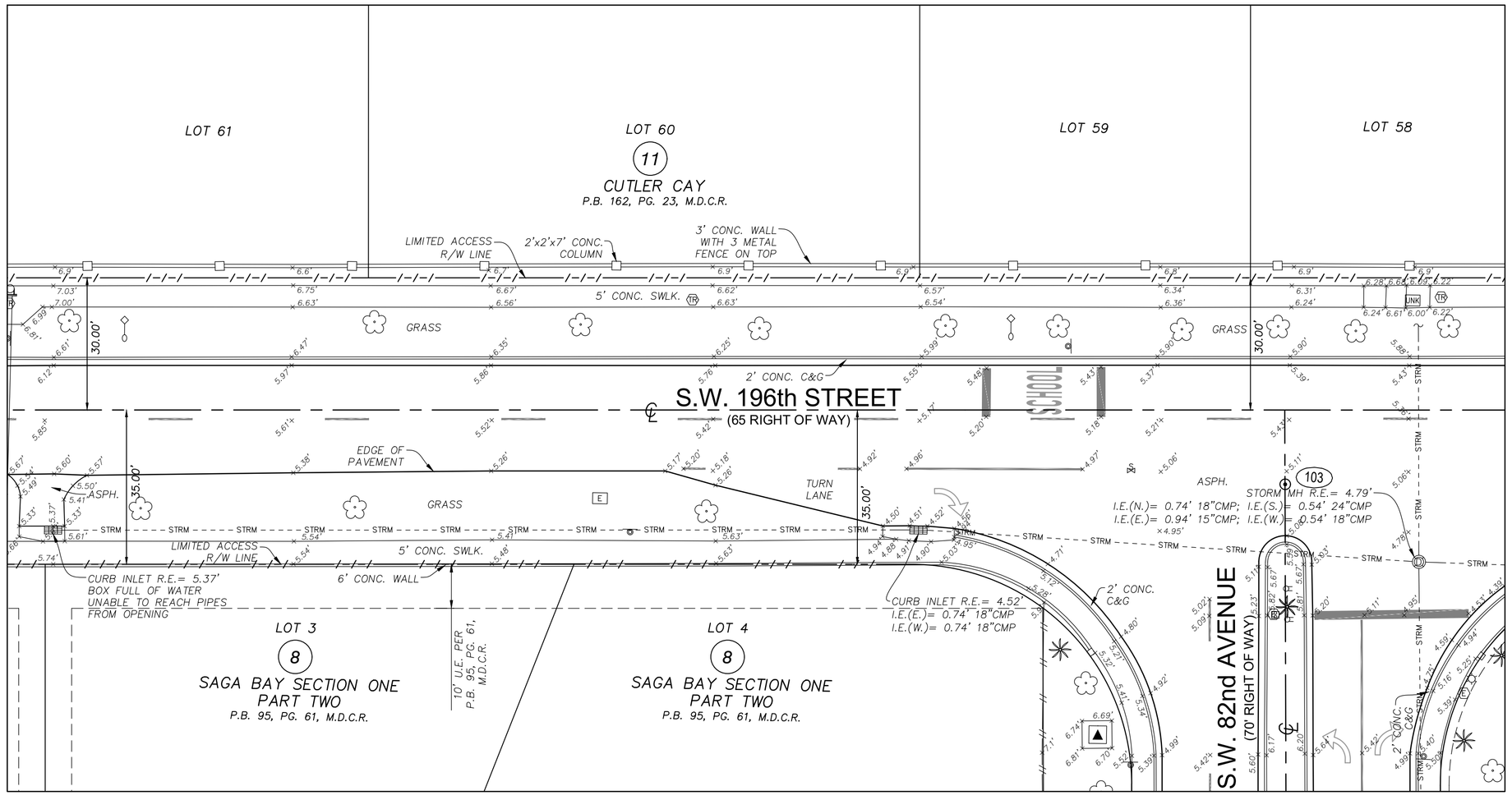
ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD 1929)

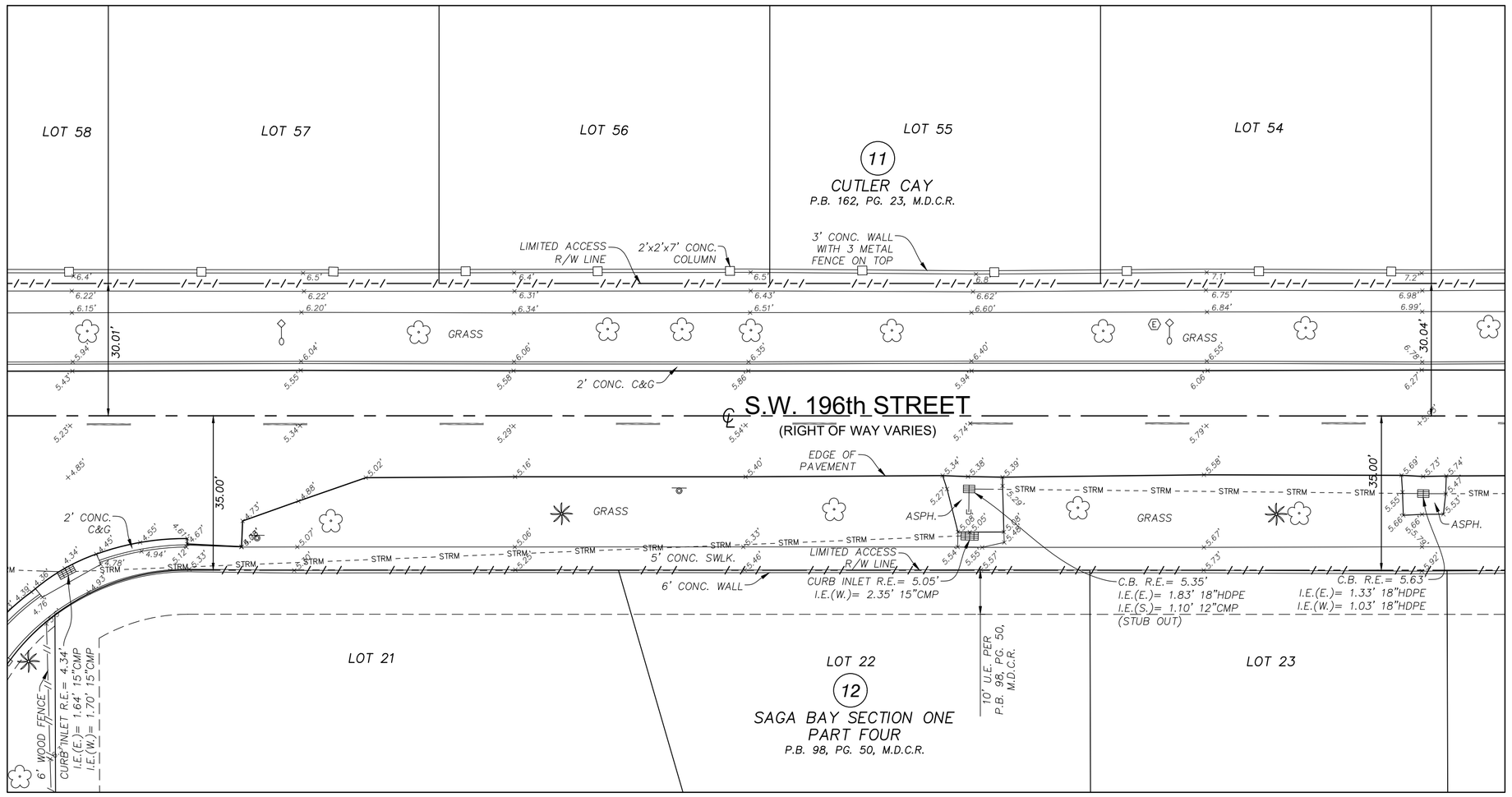
SEE SHEET 1 OF 32 FOR KEY MAP, SURVEY CONTROL POINTS TABLE, LEGEND AND ABBREVIATIONS

DATE: May 31, 2022 - 8:12am EST
FILE: F:\Drawk\KIMLEY-HORN\2021\21-9336 Saga Bay Cutler Bay\01-Drawing\21-9336.dwg

Town of Cutler Bay | ITB No. 23-04
Saga Bay Neighborhood Improvements Project
Page 155 of 329

SKETCH OF TOPOGRAPHIC SURVEY





SCALE: 1" = 20'

0 5 10 20 40
GRAPHIC SCALE

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD 1929)

SEE SHEET 1 OF 32 FOR KEY MAP, SURVEY CONTROL POINTS TABLE, LEGEND AND ABBREVIATIONS

NO.	REVISION	DATE	BY :

THE MATERIAL SHOWN HEREON IS THE PROPERTY OF STONER & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT PERMISSION OF STONER & ASSOCIATES, INC. COPYRIGHT © 2022

STONER
SURVEYORS • MAPPERS
Licensed Business No. 6633
4341 S.W. 62nd AVENUE, DAVIE, FLORIDA 33314
TEL (954) 585-0997
www.stonersurveyors.com

SKETCH OF TOPOGRAPHIC SURVEY
SAGA BAY NEIGHBORHOOD
DRAINAGE IMPROVEMENTS
SAGA BAY BASINS 1.1 EAST, 1.1. WEST, 1.5 NORTH, 1.6 AND 1.8
TOWN OF CUTLER BAY, MIAMI-DADE COUNTY, FL

LAST DATE OF FIELD SURVEY:	04.28.2022
DRAWN:	WDLR
CHECKED:	JDS
BOOK/PAGE(S):	1149/B-26, 35
& DATA COLLECTOR	

WALTER DE LA ROCHA
PROFESSIONAL SURVEYOR
AND MAPPER NO. 6081
STATE OF FLORIDA

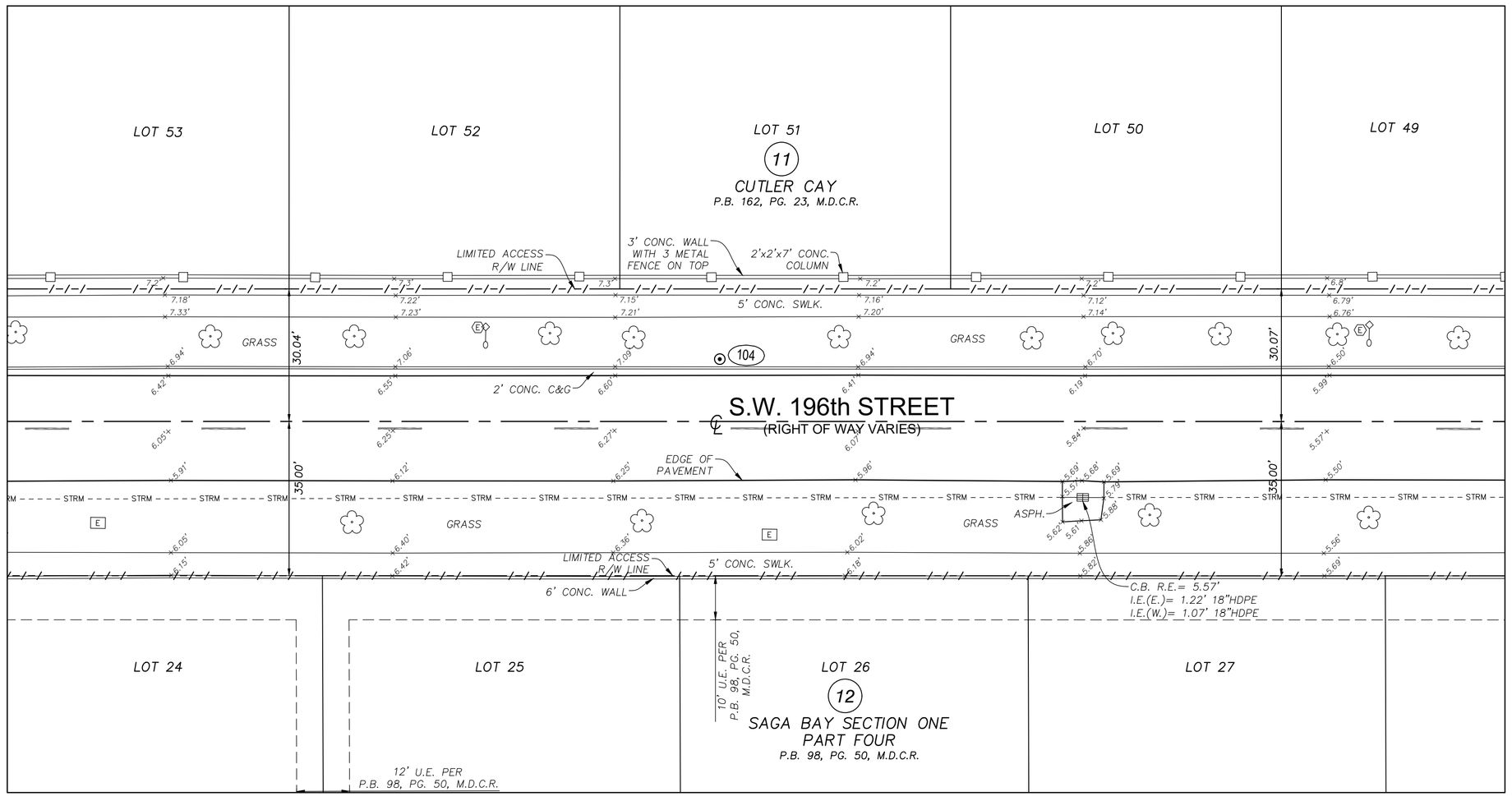
PROJECT
21-9336

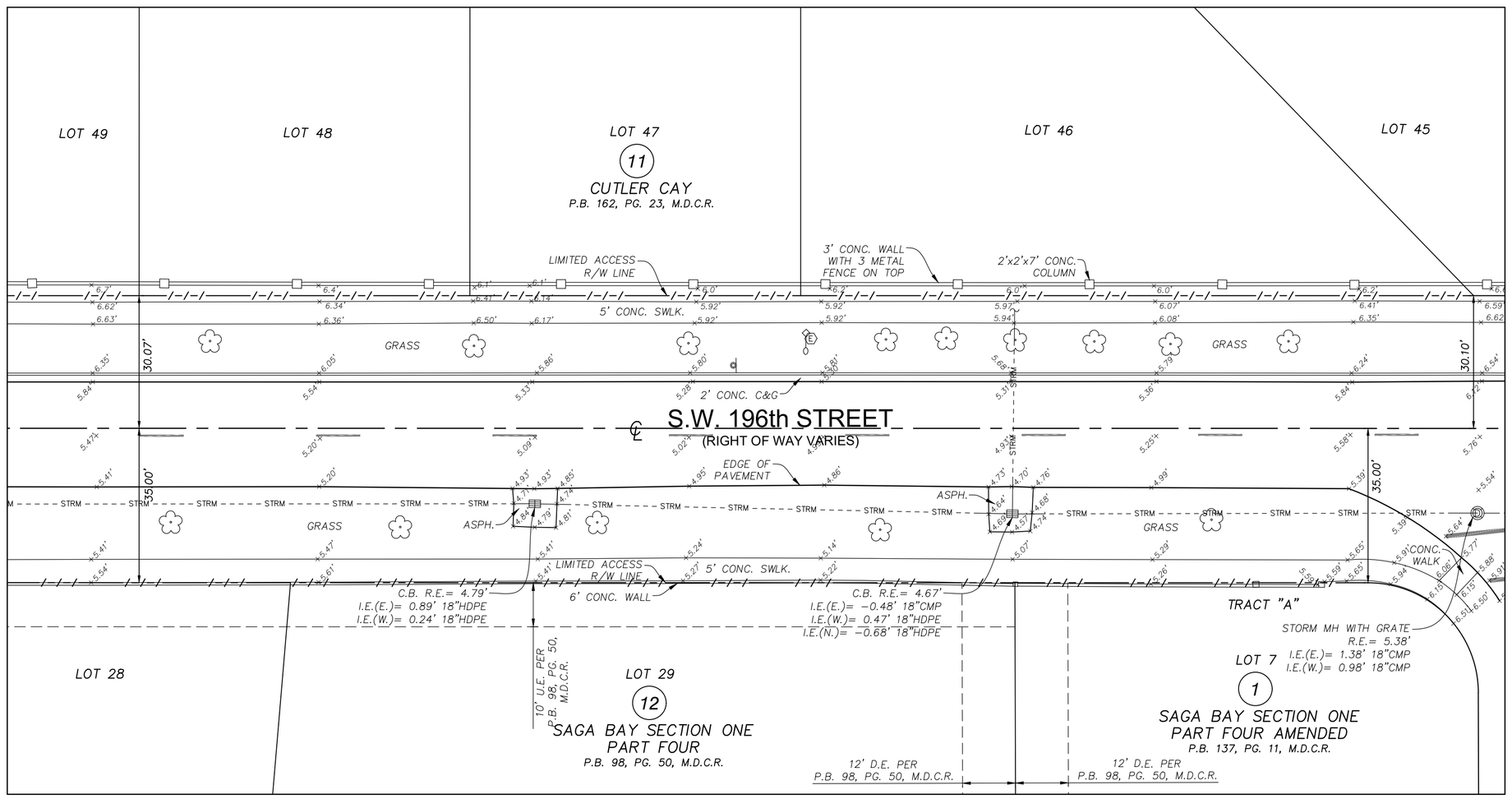
SHEET NO.
3 OF 32

DATE: May 31, 2022 – 8:12am EST
FILE: F:\Drow\KIMLEY-HORN\2021\21-9336 Saga Bay Cutler Bay\01-Drawing\21-9336.dwg

Town of Cutler Bay | ITB No. 23-04
Saga Bay Drainage Improvements
Page 156 of 329

SKETCH OF TOPOGRAPHIC SURVEY





SCALE: 1" = 20'

0 5 10 20 40

GRAPHIC SCALE

SEE SHEET 1 OF 32 FOR KEY MAP, SURVEY CONTROL POINTS TABLE, LEGEND AND ABBREVIATIONS

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD 1929)

NO.	REVISION	DATE	BY :

THE MATERIAL SHOWN HEREON IS THE PROPERTY OF STONER & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT PERMISSION OF STONER & ASSOCIATES, INC. COPYRIGHT © 2022

STONER
SURVEYORS • MAPPERS
Licensed Business No. 6633
4341 S.W. 62nd AVENUE, DAVIE, FLORIDA 33314
TEL (954) 585-0997
www.stonersurveyors.com

SKETCH OF TOPOGRAPHIC SURVEY
SAGA BAY NEIGHBORHOOD
DRAINAGE IMPROVEMENTS
SAGA BAY BASINS 1.1 EAST, 1.1. WEST, 1.5 NORTH, 1.6 AND 1.8
TOWN OF CUTLER BAY, MIAMI-DADE COUNTY, FL

LAST DATE OF FIELD SURVEY	04.28.2022
DRAWN:	MDLR
CHECKED:	JDS
BOOK/PAGE(S):	1149/B-26, 35
& DATA COLLECTOR	

WALTER DE LA ROCHA
PROFESSIONAL SURVEYOR AND MAPPER NO. 6081
STATE OF FLORIDA

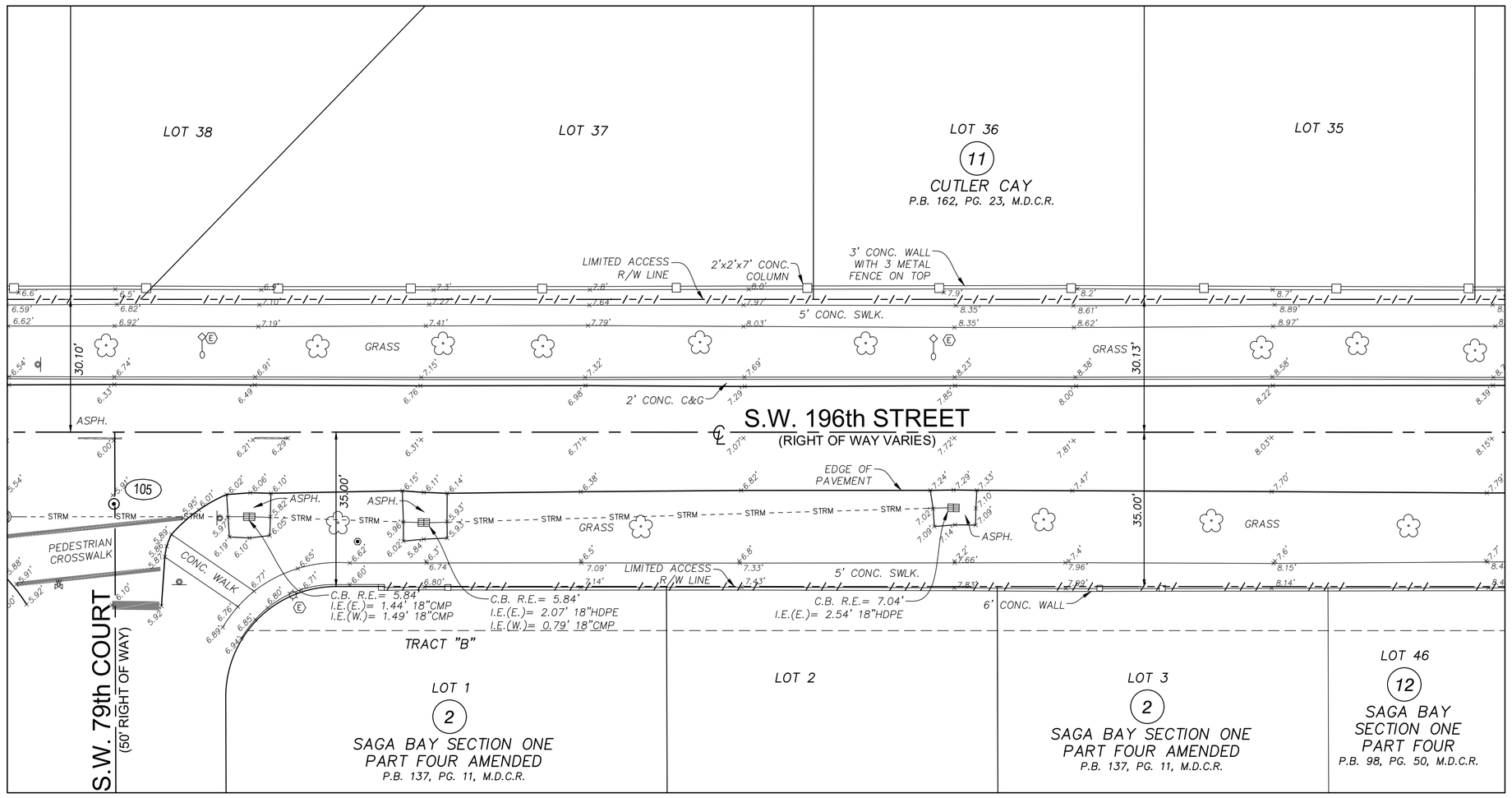
PROJECT
21-9336

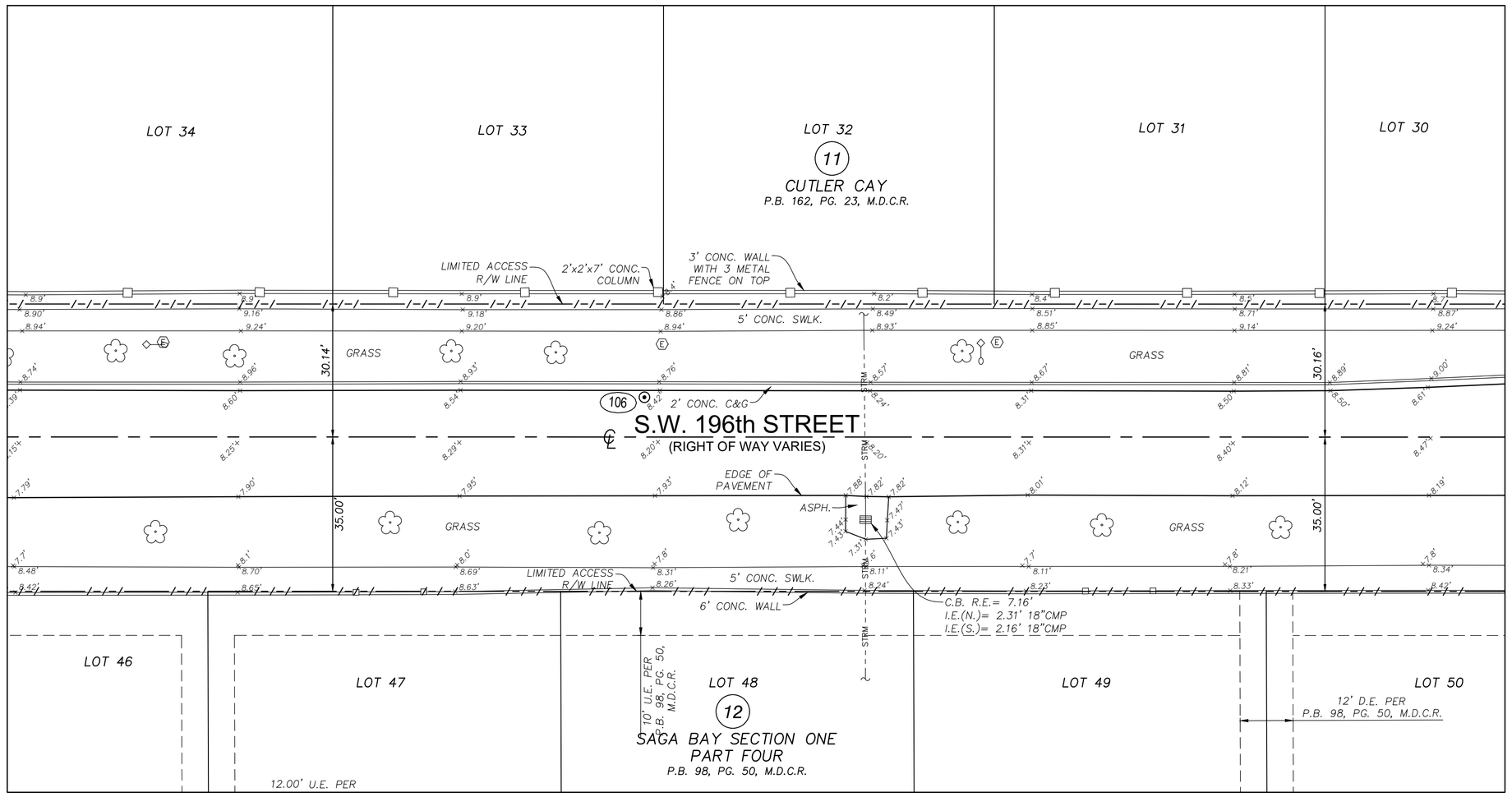
SHEET NO.
4 OF 32

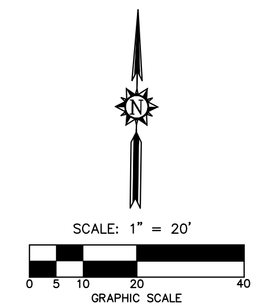
DATE: May 31, 2022 - 8:12am EST
FILE: F:\Drow\KIMLEY-HORN\2021\21-9336 Saga Bay Cutler Bay\01-Drawing\21-9336.dwg

Town of Cutler Bay | ITB No. 23-04
Saga Bay Drainage Improvements Project
Page 157 of 329

SKETCH OF TOPOGRAPHIC SURVEY







SEE SHEET 1 OF 32 FOR KEY MAP, SURVEY CONTROL POINTS TABLE, LEGEND AND ABBREVIATIONS

ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD 1929)

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

DATE: May 31, 2022 – 8:12am EST
FILE: F:\Drow\KIMLEY-HORN\2021\21-9336 Saga Bay Cutler Bay\01-Drowing\21-9336.dwg

NO.	REVISION	DATE	BY:

THE MATERIAL SHOWN HEREON IS THE PROPERTY OF STONER & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT PERMISSION OF STONER & ASSOCIATES, INC. COPYRIGHT © 2022

STONER
SURVEYORS • MAPPERS
Licensed Business No. 6633
4341 S.W. 62nd AVENUE, DAVIE, FLORIDA 33314
TEL (954) 585-0997
www.stonersurveyors.com

SKETCH OF TOPOGRAPHIC SURVEY
SAGA BAY NEIGHBORHOOD
DRAINAGE IMPROVEMENTS
SAGA BAY BASINS 1.1 EAST, 1.1. WEST, 1.5 NORTH, 1.6 AND 1.8
TOWN OF CUTLER BAY, MIAMI-DADE COUNTY, FL

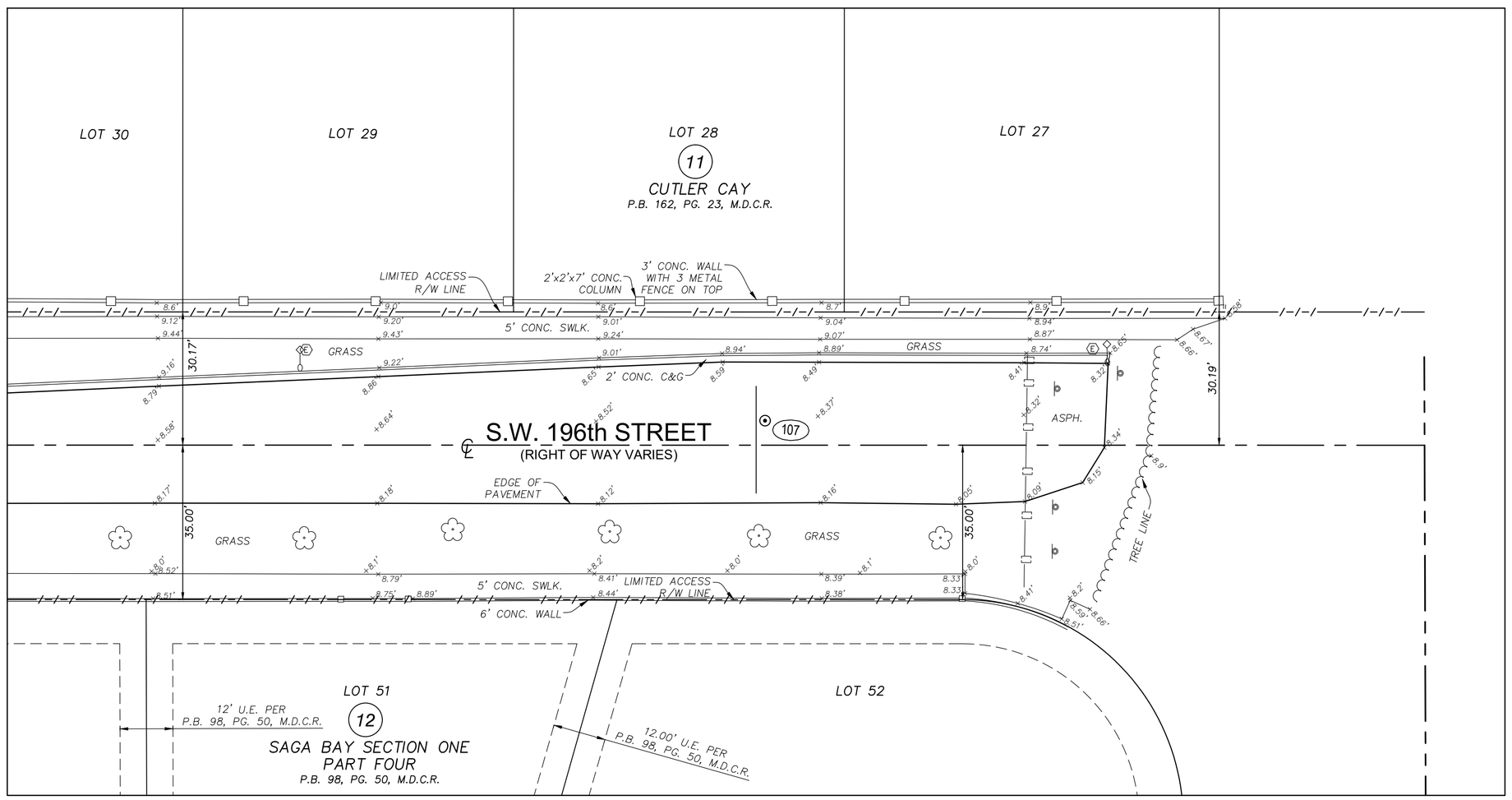
LAST DATE OF FIELD SURVEY:	04.28.2022
DRAWN:	WDLR
CHECKED:	JDS
BOOK/PAGE(S):	149/8-26, 35
& DATA COLLECTOR	

WALTER DE LA ROCHA
PROFESSIONAL SURVEYOR AND MAPPER NO. 6081
STATE OF FLORIDA

PROJECT
21-9336

SHEET NO.
5 OF 32

SKETCH OF TOPOGRAPHIC SURVEY



SCALE: 1" = 20'

0 5 10 20 40
GRAPHIC SCALE

ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD 1929)

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

SEE SHEET 1 OF 32 FOR KEY MAP, SURVEY CONTROL POINTS TABLE, LEGEND AND ABBREVIATIONS

THE MATERIAL SHOWN HEREON IS THE PROPERTY OF STONER & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT PERMISSION OF STONER & ASSOCIATES, INC. COPYRIGHT © 2022

NO.	REVISION	DATE	BY :

STONER
SURVEYORS • MAPPERS
Licensed Business No. 6633
4341 S.W. 62nd AVENUE, DAVIE, FLORIDA 33314
TEL (954) 585-0997
www.stonersurveyors.com

SKETCH OF TOPOGRAPHIC SURVEY
SAGA BAY NEIGHBORHOOD
DRAINAGE IMPROVEMENTS
SAGA BAY BASINS 1.1 EAST, 1.1. WEST, 1.5 NORTH, 1.6 AND 1.8
TOWN OF CUTLER BAY, MIAMI-DADE COUNTY, FL

LAST DATE OF FIELD SURVEY: 04.28.2022
DRAWN: WDLR
CHECKED: JDS
BOOK/PAGE(S): 1149/8-26, 35
& DATA COLLECTOR

WALTER DE LA ROCHA
PROFESSIONAL SURVEYOR AND MAPPER NO. 6081
STATE OF FLORIDA

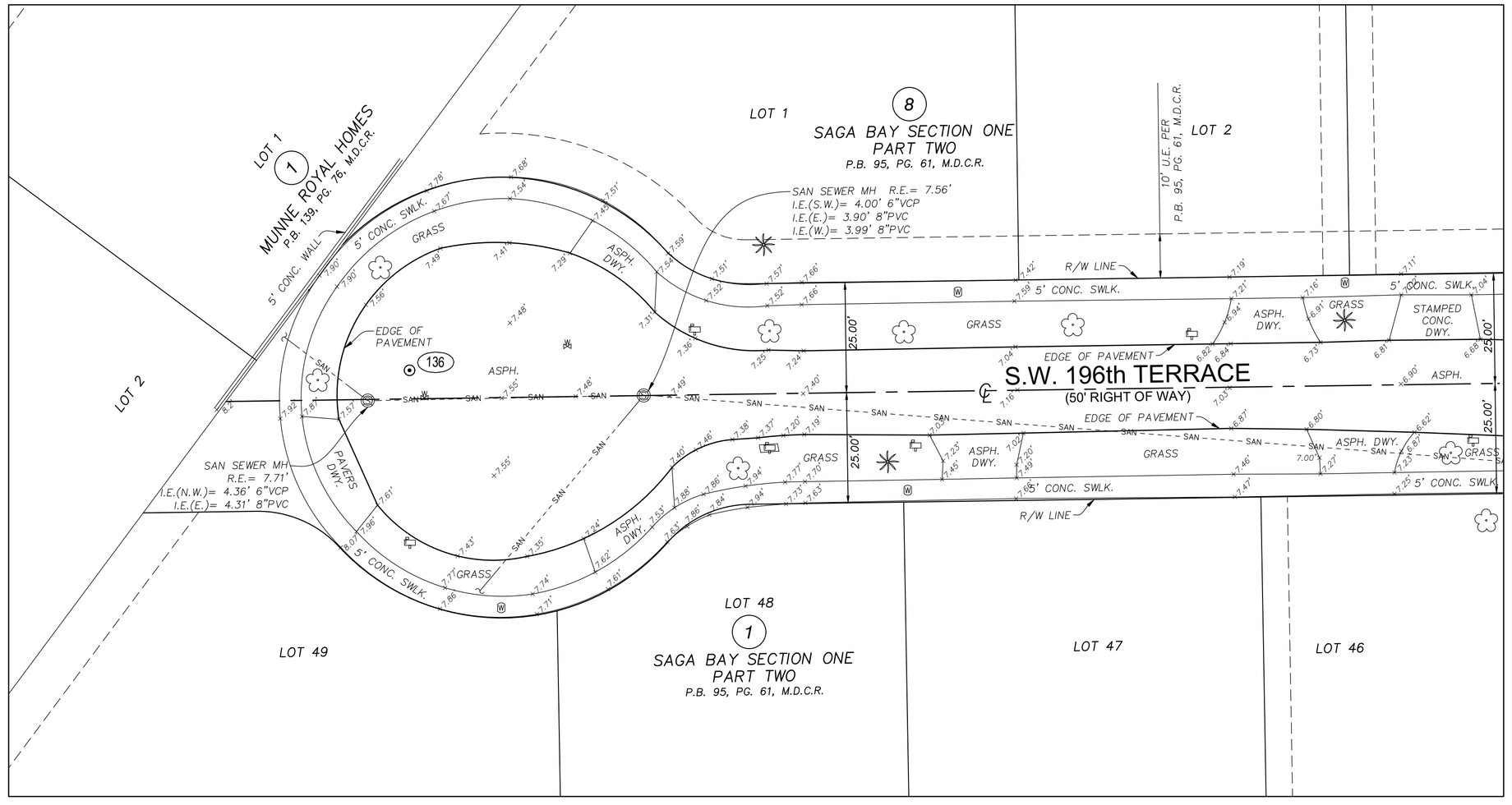
PROJECT
21-9336

SHEET NO.
6 OF 32

DATE: May 31, 2022 - 8:12am EST
FILE: F:\Drawings\KIMLEY-HORN\2021\21-9336 Saga Bay Cutler Bay\01-Drawing\21-9336.dwg

Town of Cutler Bay | ITB No. 23-04
Saga Bay Drainage Improvements Project
Page 159 of 329

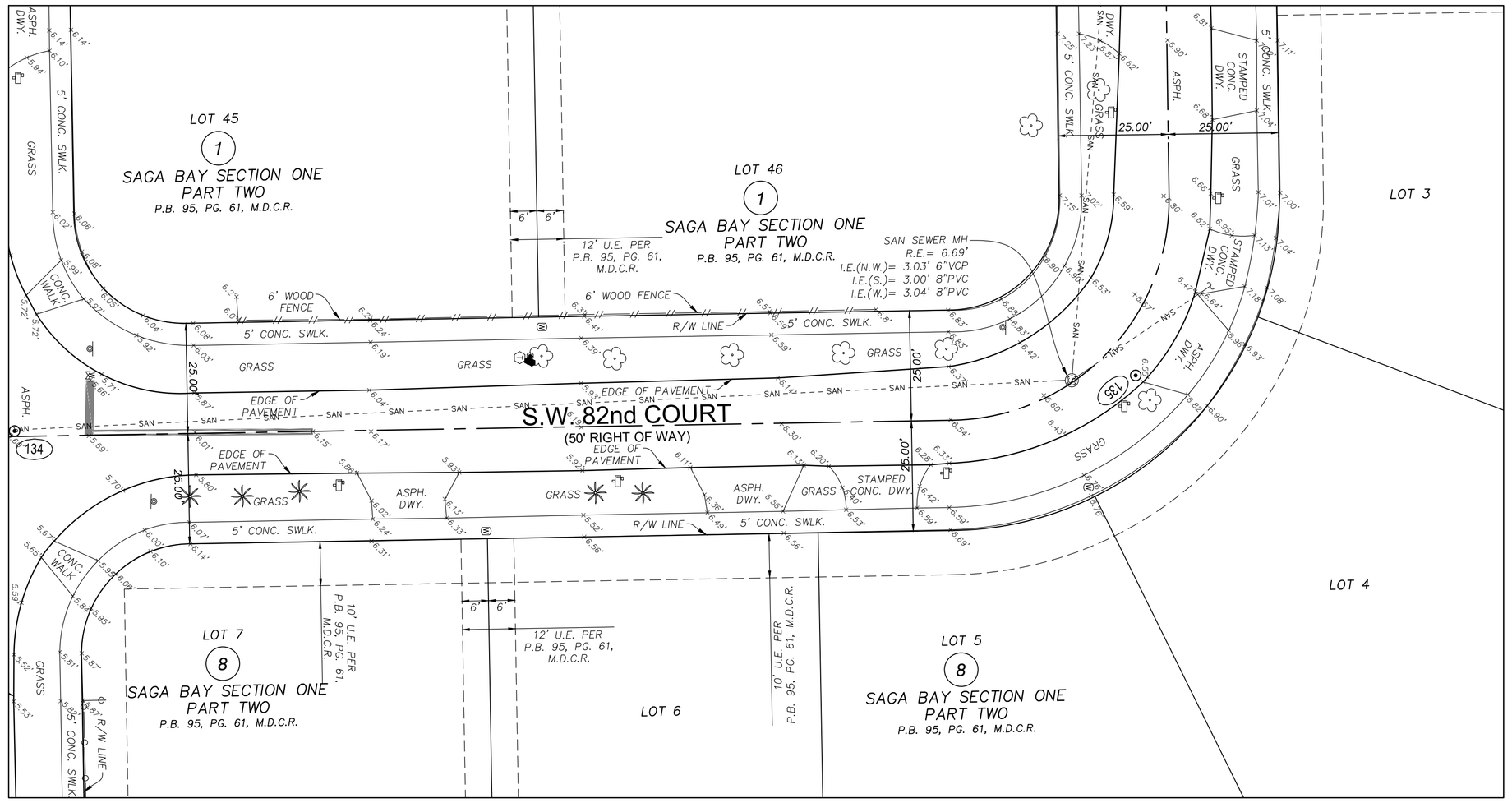
SKETCH OF TOPOGRAPHIC SURVEY



SCALE: 1" = 20'

0 5 10 20 40

GRAPHIC SCALE



SCALE: 1" = 20'

0 5 10 20 40

GRAPHIC SCALE

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD 1929)

SEE SHEET 1 OF 32 FOR KEY MAP, SURVEY CONTROL POINTS TABLE, LEGEND AND ABBREVIATIONS

THE MATERIAL SHOWN HEREON IS THE PROPERTY OF STONER & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT PERMISSION OF STONER & ASSOCIATES, INC. COPYRIGHT © 2022

NO.	REVISION	DATE	BY:

STONER
SURVEYORS • MAPPERS
Licensed Business No. 6633
4341 S.W. 62nd AVENUE, DAVIE, FLORIDA 33314
TEL (954) 585-0997
www.stonersurveyors.com

SKETCH OF TOPOGRAPHIC SURVEY
SAGA BAY NEIGHBORHOOD
DRAINAGE IMPROVEMENTS
SAGA BAY BASINS 1.1 EAST, 1.1. WEST, 1.5 NORTH, 1.6 AND 1.8
TOWN OF CUTLER BAY, MIAMI-DADE COUNTY, FL

LAST DATE OF FIELD SURVEY: 04.28.2022
DRAWN: WDLR
CHECKED: JDS
BOOK/PAGE(S): 1149/8-26, 35

WALTER DE LA ROCHA
PROFESSIONAL SURVEYOR AND MAPPER NO. 6081
STATE OF FLORIDA

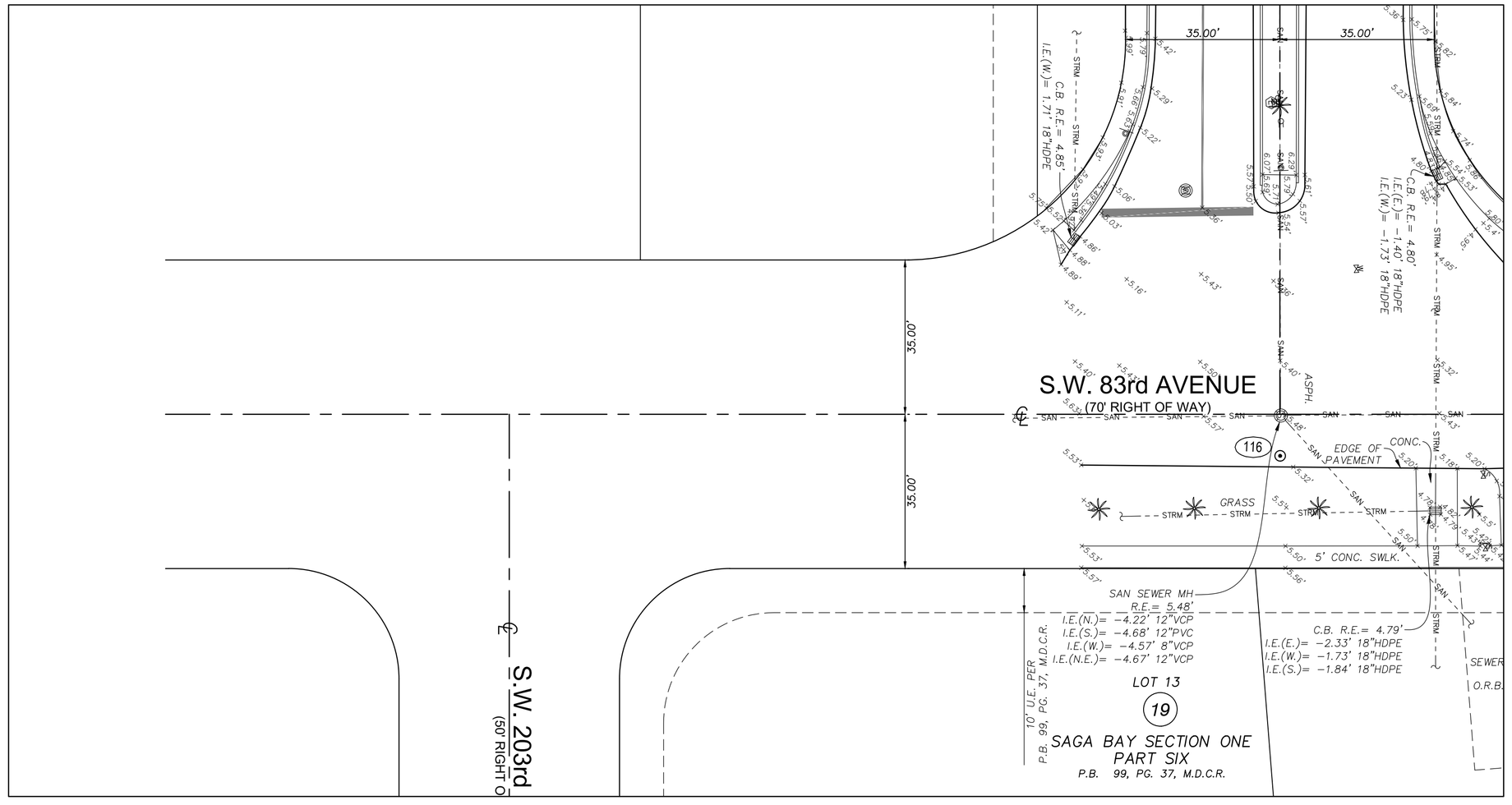
PROJECT
21-9336

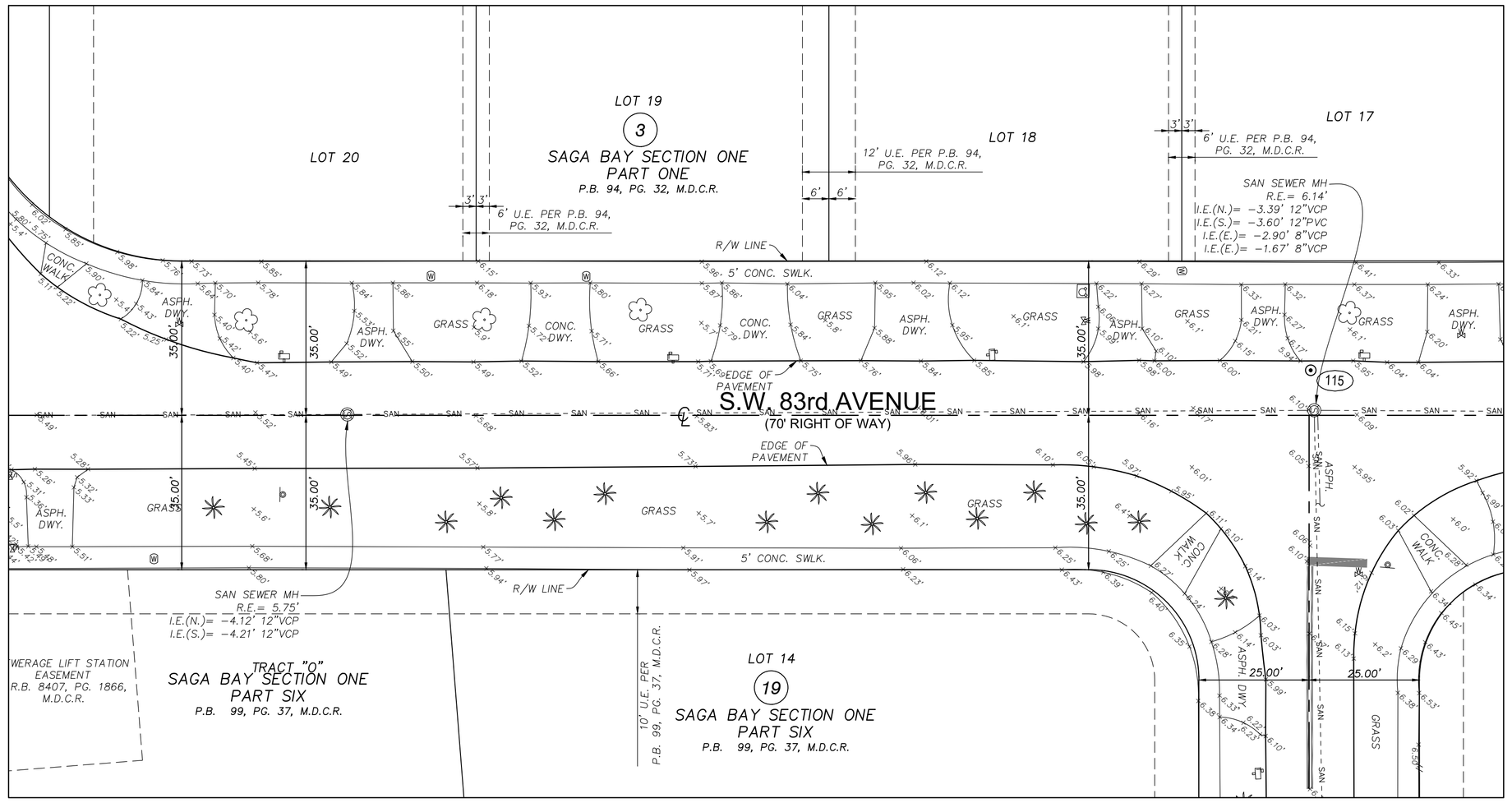
SHEET NO.
7 OF 32

DATE: May 31, 2022 - 8:12am EST
FILE: F:\Drow\KIMLEY-HORN\2021\21-9336 Saga Bay Cutler Bay\01-Drowing\21-9336.dwg

Town of Cutler Bay | ITB No. 25-04
Saga Bay Neighborhood Improvements Project
Page 180 of 329

SKETCH OF TOPOGRAPHIC SURVEY





SCALE: 1" = 20'

0 5 10 20 40
GRAPHIC SCALE

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD 1929)

SEE SHEET 1 OF 32 FOR KEY MAP, SURVEY CONTROL POINTS TABLE, LEGEND AND ABBREVIATIONS

NO.	REVISION	DATE	BY :

THE MATERIAL SHOWN HEREON IS THE PROPERTY OF STONER & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT PERMISSION OF STONER & ASSOCIATES, INC. COPYRIGHT © 2022

STONER
SURVEYORS • MAPPERS
Licensed Business No. 6633
4341 S.W. 62nd AVENUE, DAVIE, FLORIDA 33314
TEL (954) 585-0997
www.stonersurveyors.com

SKETCH OF TOPOGRAPHIC SURVEY
SAGA BAY NEIGHBORHOOD
DRAINAGE IMPROVEMENTS
SAGA BAY BASINS 1.1 EAST, 1.1. WEST, 1.5 NORTH, 1.6 AND 1.8
TOWN OF CUTLER BAY, MIAMI-DADE COUNTY, FL

LAST DATE OF FIELD SURVEY	DRAWN:	CHECKED:	BOOK/PAGE(S):
04.28.2022	WDLR	JDS	1149/8-26, 35

WALTER DE LA ROCHA
PROFESSIONAL SURVEYOR AND MAPPER NO. 6081
STATE OF FLORIDA

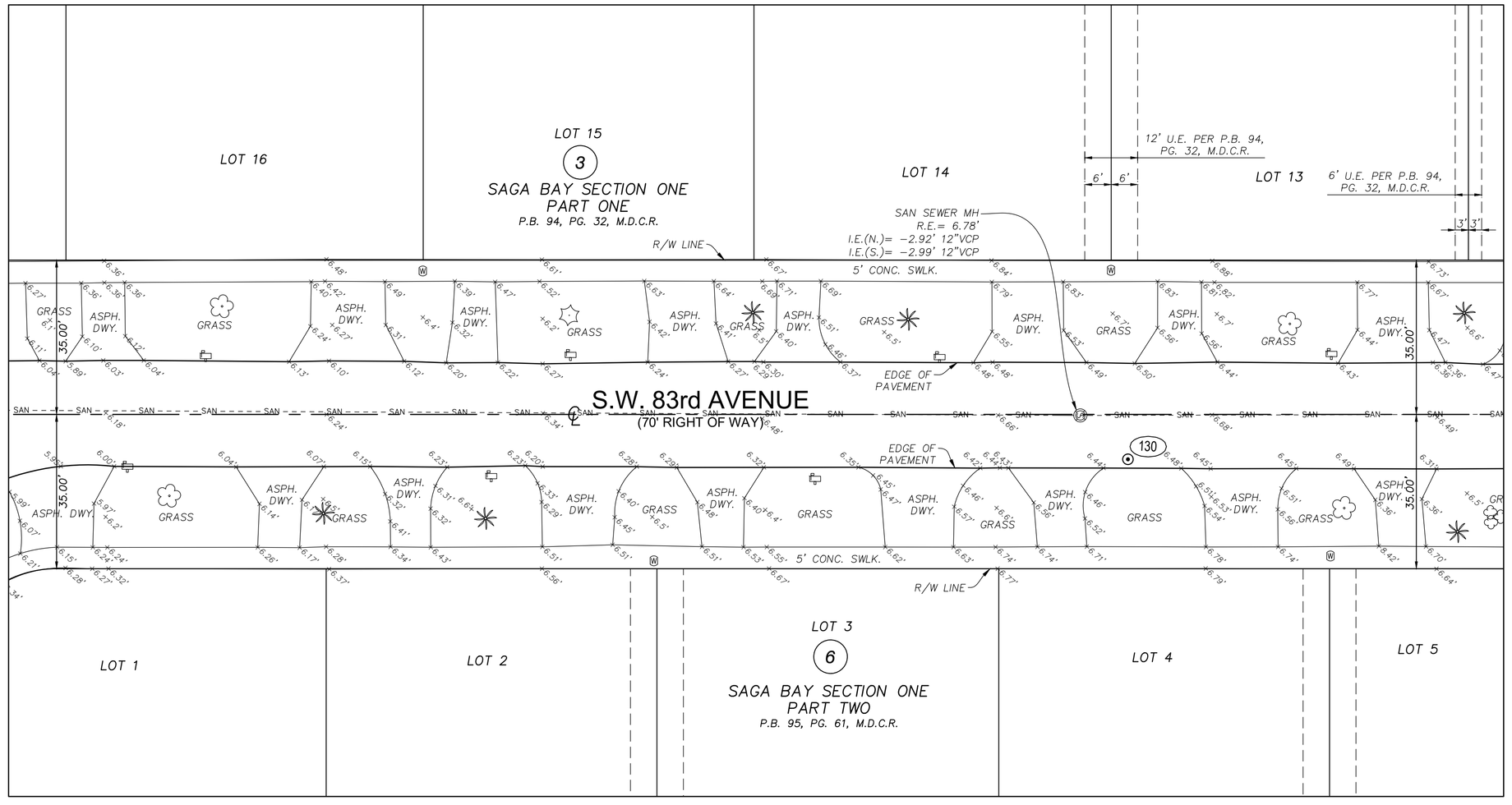
PROJECT
21-9336

SHEET NO.
8 OF 32

DATE: May 31, 2022 - 8:12am EST
FILE: F:\Drow\KIMLEY-HORN\2021\21-9336 Saga Bay Cutler Bay\01-Drawing\21-9336.dwg

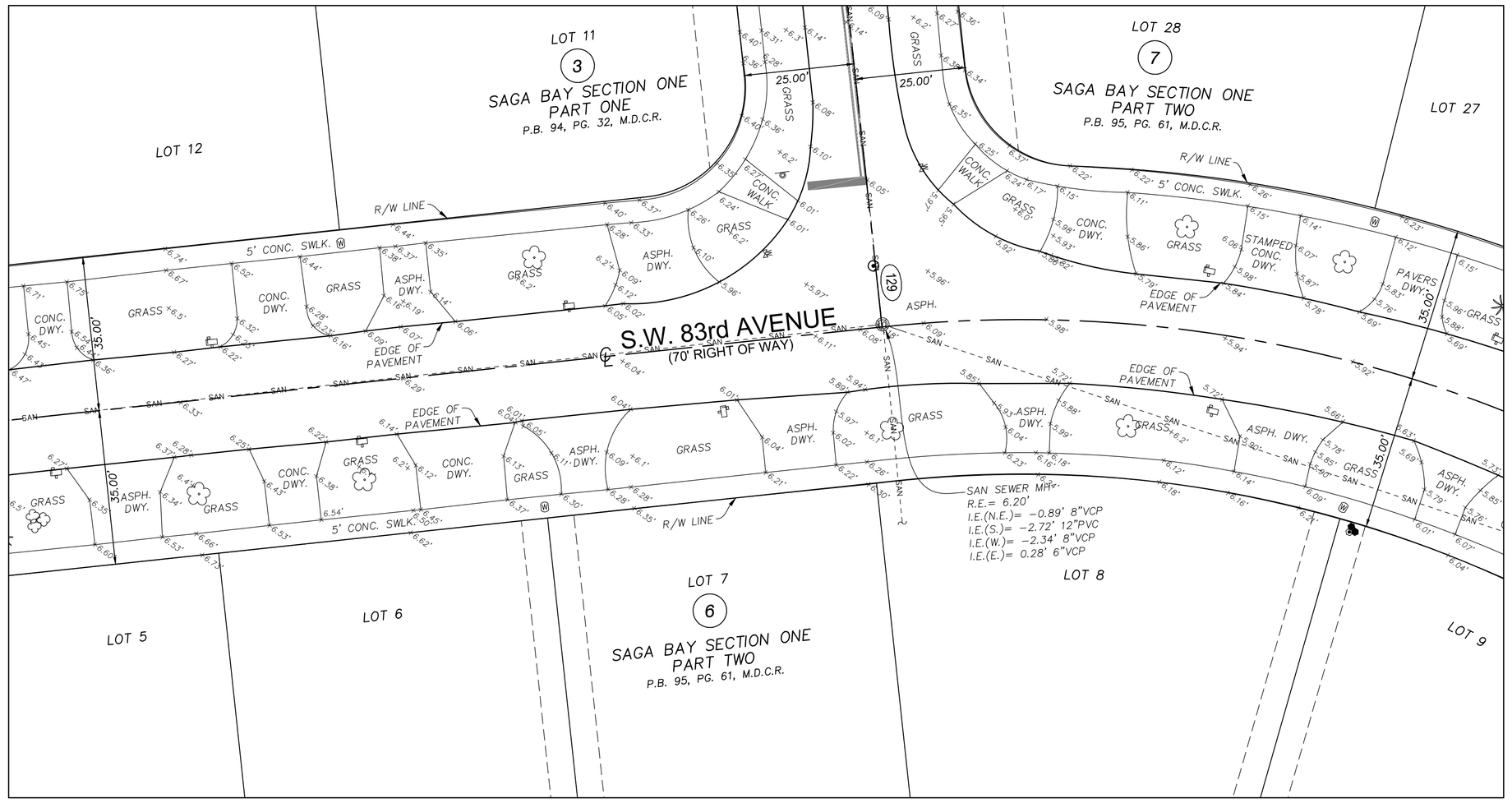
Town of Cutler Bay | ITB No. 23-04
Saga Bay Neighborhood Improvements Project
Page 161 of 329

SKETCH OF TOPOGRAPHIC SURVEY



SCALE: 1" = 20'

0 5 10 20 40
GRAPHIC SCALE



SCALE: 1" = 20'

0 5 10 20 40
GRAPHIC SCALE

SEE SHEET 1 OF 32 FOR KEY MAP, SURVEY CONTROL POINTS TABLE, LEGEND AND ABBREVIATIONS

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD 1929)

DATE: May 31, 2022 - 8:13am EST
FILE: F:\Drow\KIMLEY-HORN\2021\21-9336 Saga Bay Cutler Bay\01-Drawing\21-9336.dwg

NO.	REVISION	DATE	BY :

THE MATERIAL SHOWN HEREON IS THE PROPERTY OF STONER & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT PERMISSION OF STONER & ASSOCIATES, INC. COPYRIGHT © 2022

STONER
SURVEYORS • MAPPERS
Licensed Business No. 6633
4341 S.W. 62nd AVENUE, DAVIE, FLORIDA 33314
TEL (954) 585-0997
www.stonersurveyors.com

SKETCH OF TOPOGRAPHIC SURVEY
SAGA BAY NEIGHBORHOOD
DRAINAGE IMPROVEMENTS
SAGA BAY BASINS 1.1 EAST, 1.1. WEST, 1.5 NORTH, 1.6 AND 1.8
TOWN OF CUTLER BAY, MIAMI-DADE COUNTY, FL

LAST DATE OF FIELD SURVEY:	04.28.2022
DRAWN:	WDLR
CHECKED:	JDS
BOOK/PAGE(S):	1149/8-26, 35

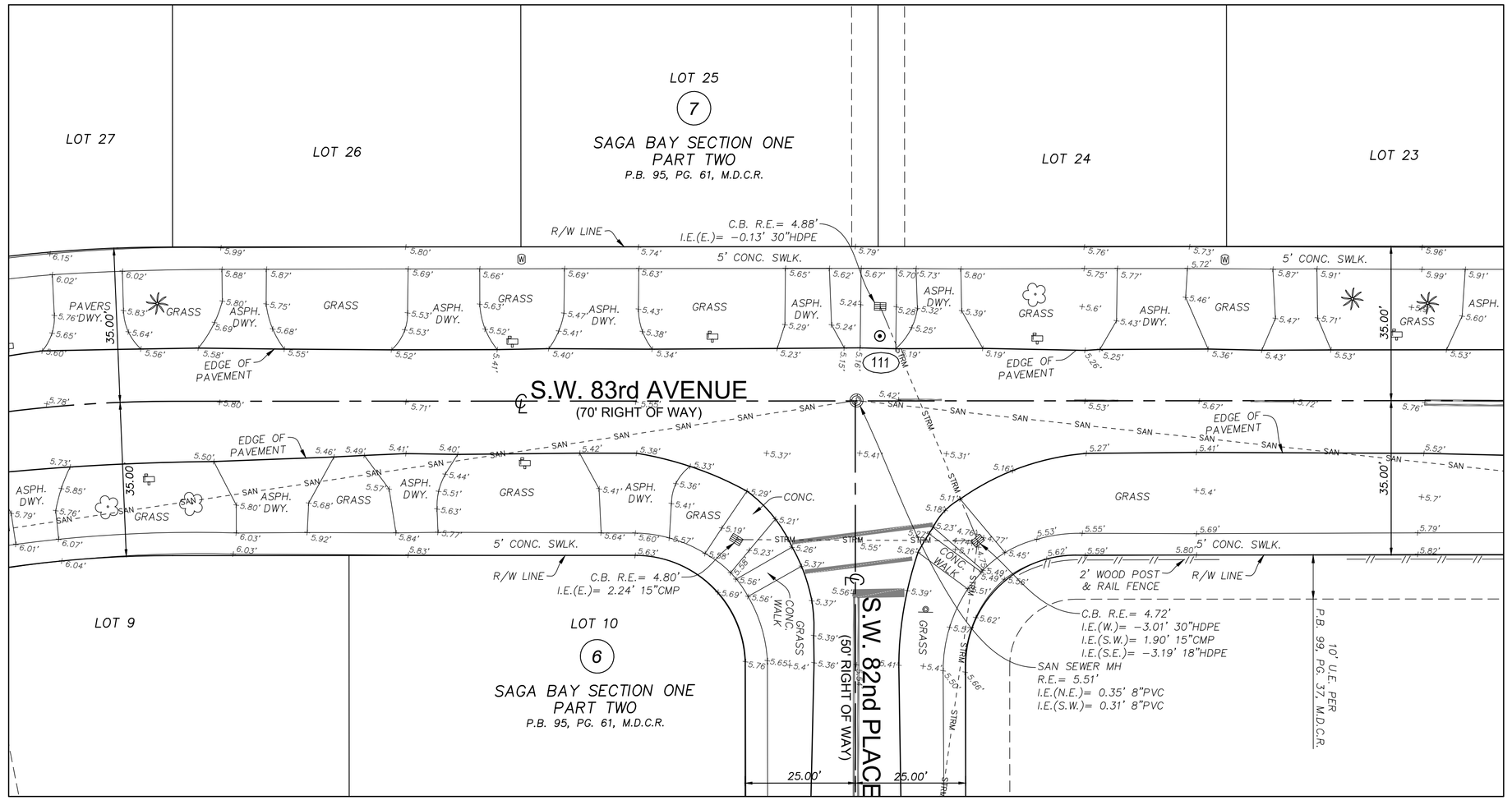
WALTER DE LA ROCHA
PROFESSIONAL SURVEYOR
AND MAPPER NO. 6081
STATE OF FLORIDA

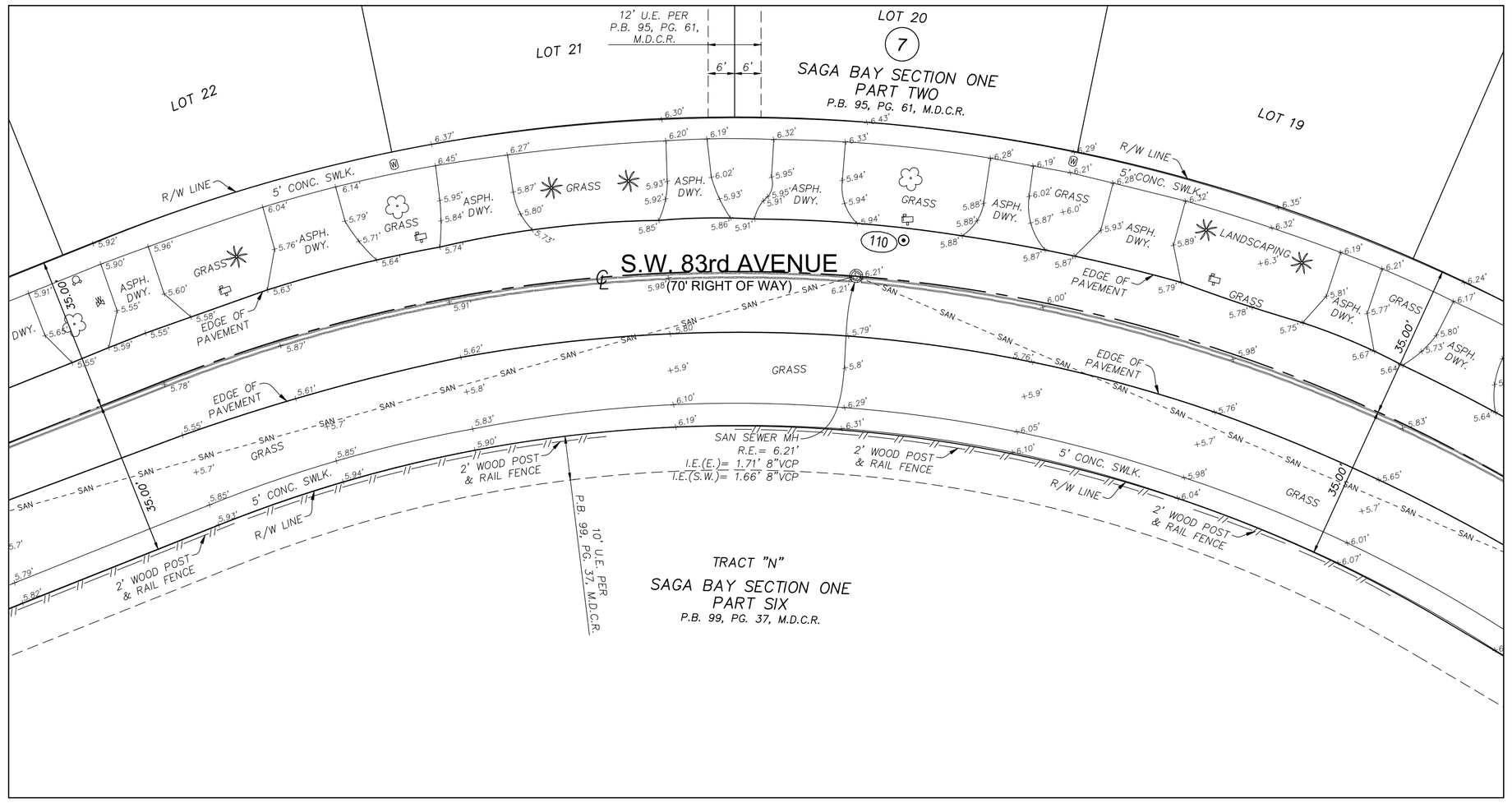
PROJECT
21-9336

SHEET NO.
9 OF 32

Town of Cutler Bay | ITB No. 23-04
Saga Bay Drainage Improvements Project
Page 152 of 329

SKETCH OF TOPOGRAPHIC SURVEY





SCALE: 1" = 20'

0 5 10 20 40
GRAPHIC SCALE

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD 1929)

SEE SHEET 1 OF 32 FOR KEY MAP, SURVEY CONTROL POINTS TABLE, LEGEND AND ABBREVIATIONS

NO.	REVISION	DATE	BY :

THE MATERIAL SHOWN HEREON IS THE PROPERTY OF STONER & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT PERMISSION OF STONER & ASSOCIATES, INC. COPYRIGHT © 2022

STONER
SURVEYORS • MAPPERS
Licensed Business No. 6633
4341 S.W. 62nd AVENUE, DAVIE, FLORIDA 33314
TEL (954) 585-0997
www.stonersurveyors.com

SKETCH OF TOPOGRAPHIC SURVEY
SAGA BAY NEIGHBORHOOD
DRAINAGE IMPROVEMENTS
SAGA BAY BASINS 1.1 EAST, 1.1. WEST, 1.5 NORTH, 1.6 AND 1.8
TOWN OF CUTLER BAY, MIAMI-DADE COUNTY, FL

LAST DATE OF FIELD SURVEY: 04.28.2022
DRAWN: WDLR
CHECKED: JDS
BOOK/PAGE(S): 1149/8-26, 35

WALTER DE LA ROCHA
PROFESSIONAL SURVEYOR AND MAPPER NO. 6081
STATE OF FLORIDA

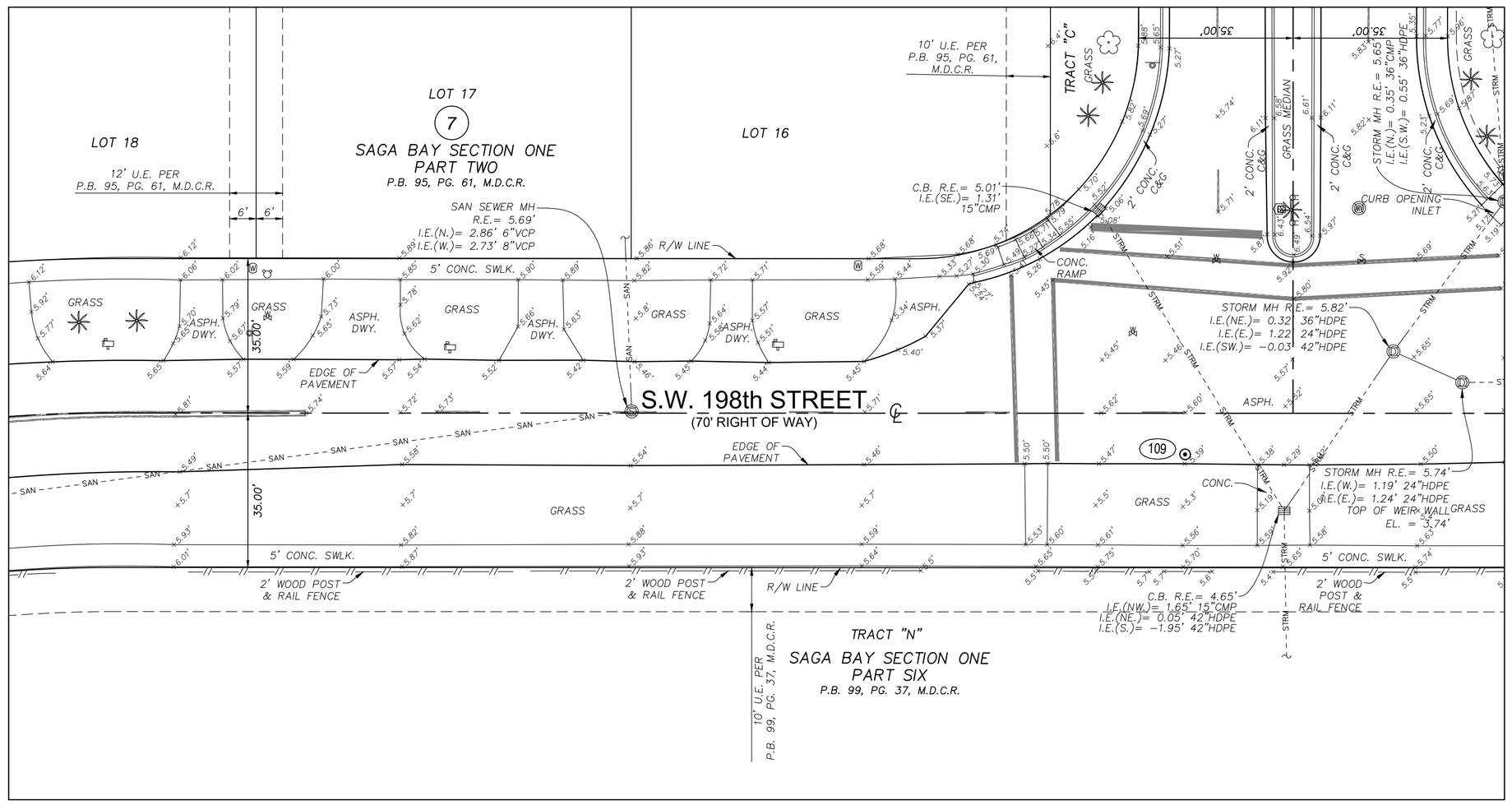
PROJECT
21-9336

SHEET NO.
10 OF 32

Town of Cutler Bay | ITB No. 25-04
Saga Bay Neighborhood Drainage Improvements Project
Page 153 of 329

DATE: May 31, 2022 - 8:13am EST
FILE: F:\Drow\KIMLEY-HORN\2021\21-9336 Saga Bay Cutler Bay\01-Drawing\21-9336.dwg

SKETCH OF TOPOGRAPHIC SURVEY



SCALE: 1" = 20'

0 5 10 20 40
GRAPHIC SCALE

NO.	REVISION	DATE	BY :

THE MATERIAL SHOWN HEREON IS THE PROPERTY OF STONER & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT PERMISSION OF STONER & ASSOCIATES, INC. COPYRIGHT © 2022

TEL (954) 585-0997
www.stonersurveyors.com

STONER
SURVEYORS • MAPPERS
Licensed Business No. 6633
4341 S.W. 62nd AVENUE, DAVIE, FLORIDA 33314

SKETCH OF TOPOGRAPHIC SURVEY
SAGA BAY NEIGHBORHOOD
DRAINAGE IMPROVEMENTS
SAGA BAY BASINS 1.1 EAST, 1.1, WEST, 1.5 NORTH, 1.6 AND 1.8
TOWN OF CUTLER BAY, MIAMI-DADE COUNTY, FL

LAST DATE OF FIELD SURVEY: 04.28.2022
DRAWN: WDLR
CHECKED: JDS
BOOK/PAGE(S): 1149/8-26, 35

WALTER DE LA ROCHA
PROFESSIONAL SURVEYOR AND MAPPER NO. 6081
STATE OF FLORIDA

PROJECT
21-9336

SHEET NO.
11 OF 32

SEE SHEET 1 OF 32 FOR KEY MAP, SURVEY CONTROL POINTS TABLE, LEGEND AND ABBREVIATIONS

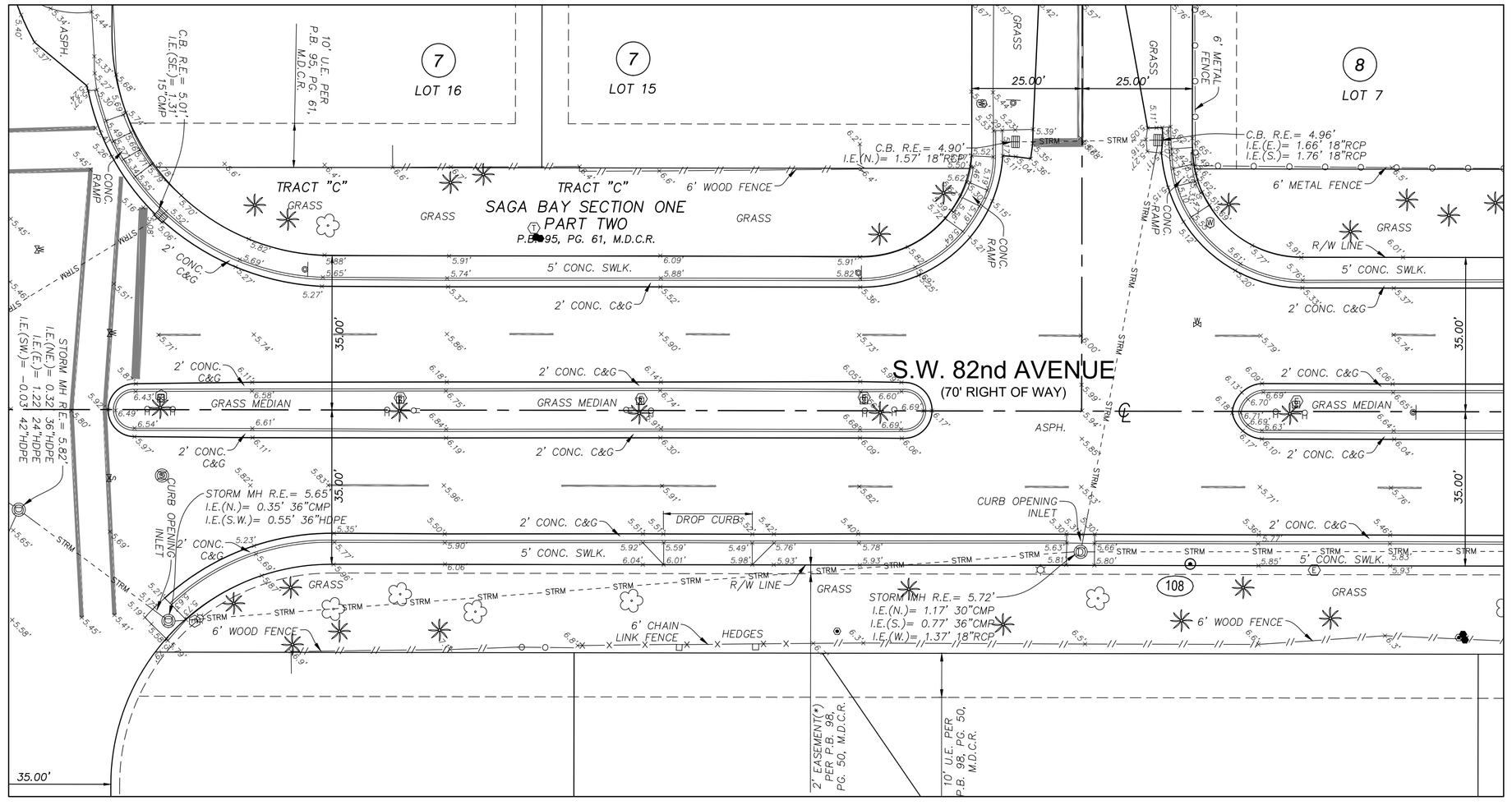
KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD 1929)

DATE: May 31, 2022 – 8:13am EST
FILE: F:\Drive\KIMLEY-HORN\2021\21-9336 Saga Bay Cutler Bay\01-Drawing\21-9336.dwg

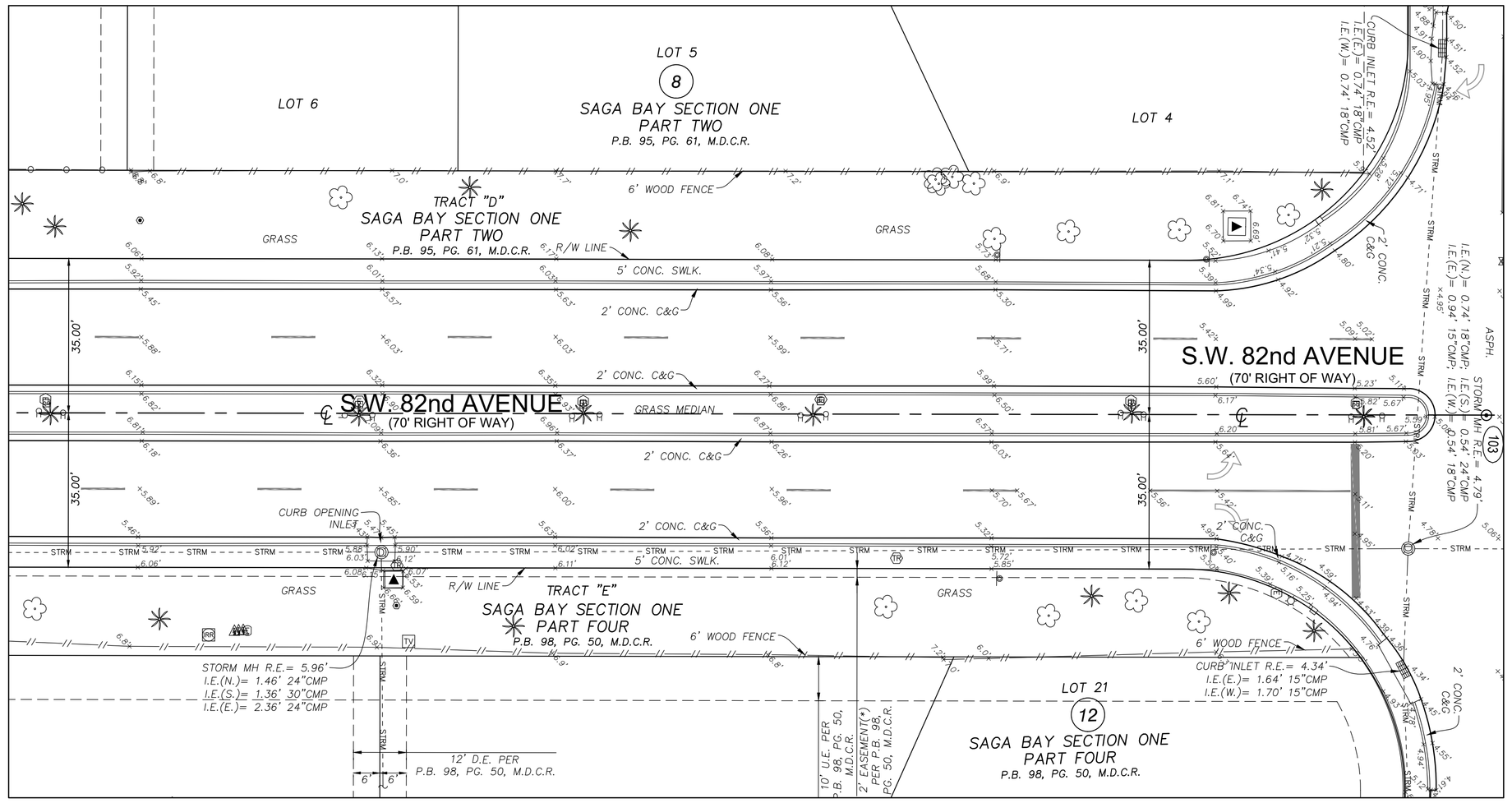
Town of Cutler Bay | ITB No. 25-04
Saga Bay Basins Improvements Project
Page 164 of 329

SKETCH OF TOPOGRAPHIC SURVEY



SCALE: 1" = 20'

0 5 10 20 40
GRAPHIC SCALE



SEE SHEET 1 OF 32 FOR KEY MAP, SURVEY CONTROL POINTS TABLE, LEGEND AND ABBREVIATIONS

KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD 1929)

NO.	REVISION	DATE	BY :

THE MATERIAL SHOWN HEREON IS THE PROPERTY OF STONER & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT PERMISSION OF STONER & ASSOCIATES, INC. COPYRIGHT © 2022

STONER
SURVEYORS • MAPPERS
Licensed Business No. 6633
4341 S.W. 62nd AVENUE, DAVIE, FLORIDA 33314
TEL (954) 585-0997
www.stonersurveyors.com

SKETCH OF TOPOGRAPHIC SURVEY
SAGA BAY NEIGHBORHOOD
DRAINAGE IMPROVEMENTS
SAGA BAY BASINS 1.1 EAST, 1.1. WEST, 1.5 NORTH, 1.6 AND 1.8
TOWN OF CUTLER BAY, MIAMI-DADE COUNTY, FL

LAST DATE OF FIELD SURVEY:	04.28.2022
DRAWN:	MDLR
CHECKED:	JDS
BOOK/PAGE(S):	1149/8-26, 35

WALTER DE LA ROCHA
PROFESSIONAL SURVEYOR AND MAPPER NO. 6081
STATE OF FLORIDA

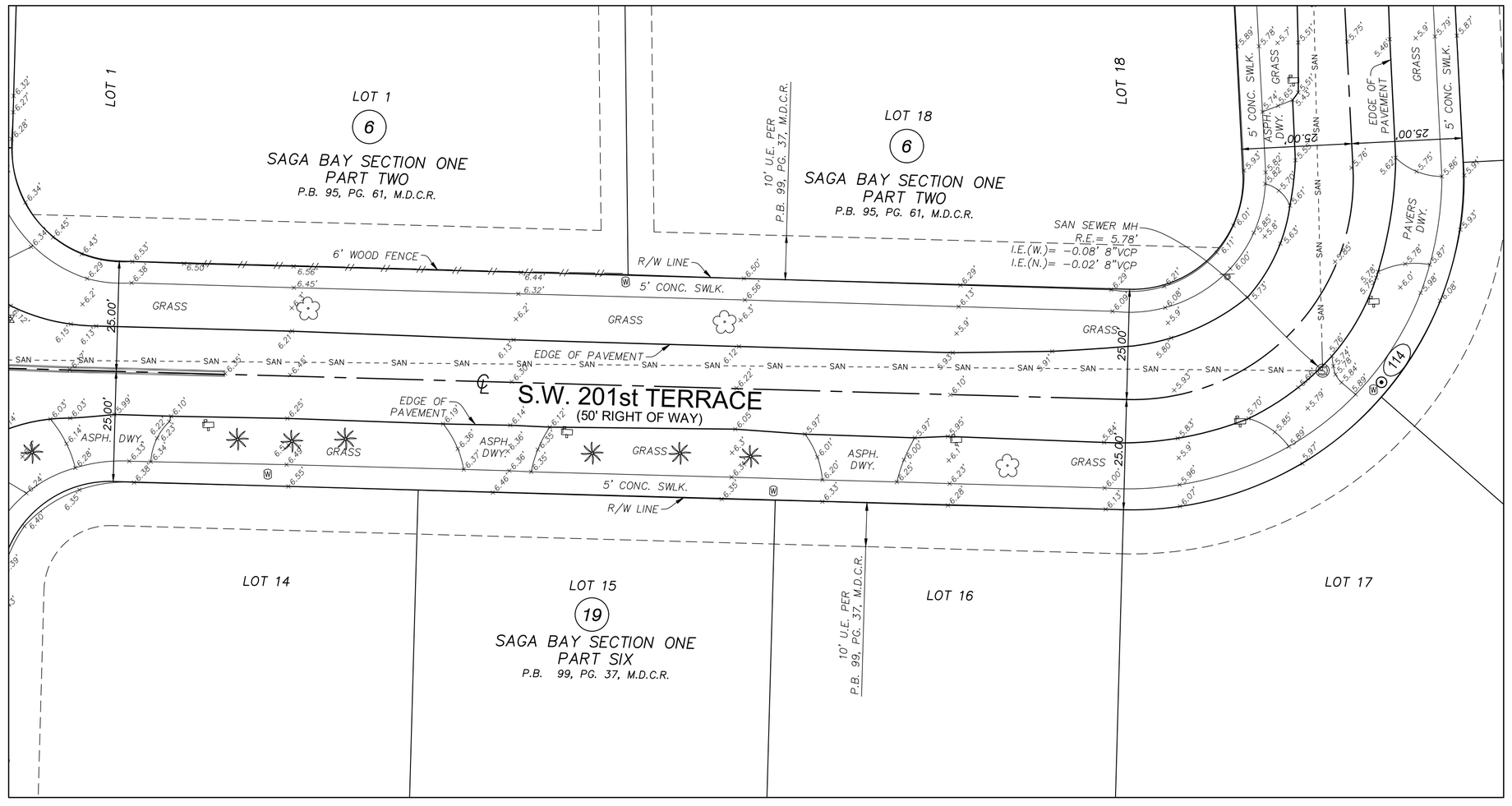
PROJECT
21-9336

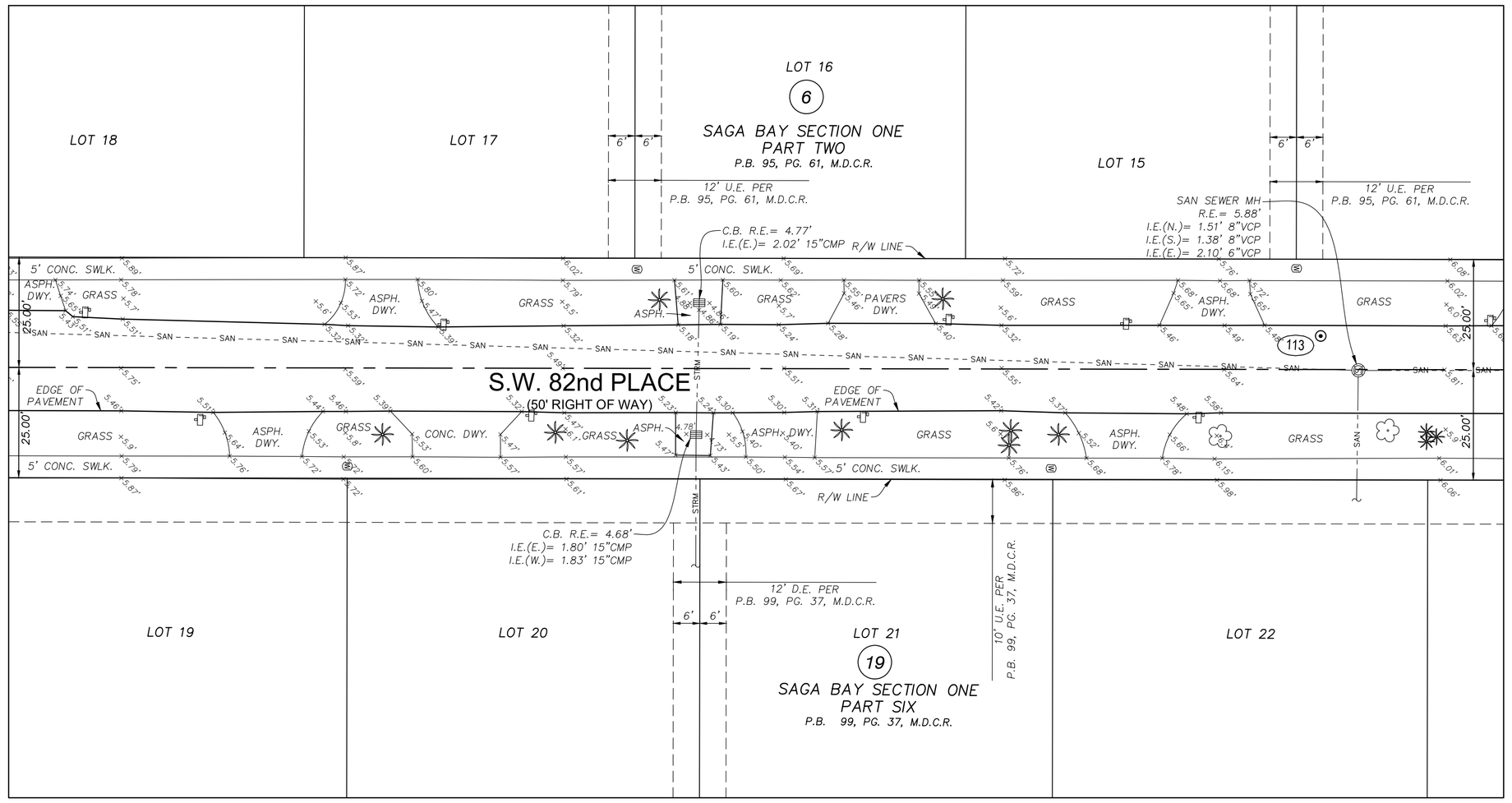
SHEET NO.
12 OF 32

Town of Cutler Bay | ITB No. 23-04
Saga Bay Neighborhood Improvements Project
Page 155 of 329

DATE: May 31, 2022 - 8:13am EST
FILE: F:\Drow\KIMLEY-HORN\2021\21-9336 Saga Bay Cutler Bay\01-Drowing\21-9336.dwg

SKETCH OF TOPOGRAPHIC SURVEY





SEE SHEET 1 OF 32 FOR KEY MAP, SURVEY CONTROL POINTS TABLE, LEGEND AND ABBREVIATIONS

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD 1929)

THE MATERIAL SHOWN HEREON IS THE PROPERTY OF STONER & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT PERMISSION OF STONER & ASSOCIATES, INC. COPYRIGHT © 2022

NO.	REVISION	DATE	BY :

STONER
SURVEYORS • MAPPERS
Licensed Business No. 6633
4341 S.W. 62nd AVENUE, DAVIE, FLORIDA 33314
TEL (954) 585-0997
www.stonersurveyors.com

SKETCH OF TOPOGRAPHIC SURVEY
SAGA BAY NEIGHBORHOOD
DRAINAGE IMPROVEMENTS
SAGA BAY BASINS 1.1 EAST, 1.1. WEST, 1.5 NORTH, 1.6 AND 1.8
TOWN OF CUTLER BAY, MIAMI-DADE COUNTY, FL

LAST DATE OF FIELD SURVEY: 04.28.2022
DRAWN: WDLR
CHECKED: JDS
BOOK/PAGE(S): 1149/8-26, 35

WALTER DE LA ROCHA
PROFESSIONAL SURVEYOR AND MAPPER NO. 6081
STATE OF FLORIDA

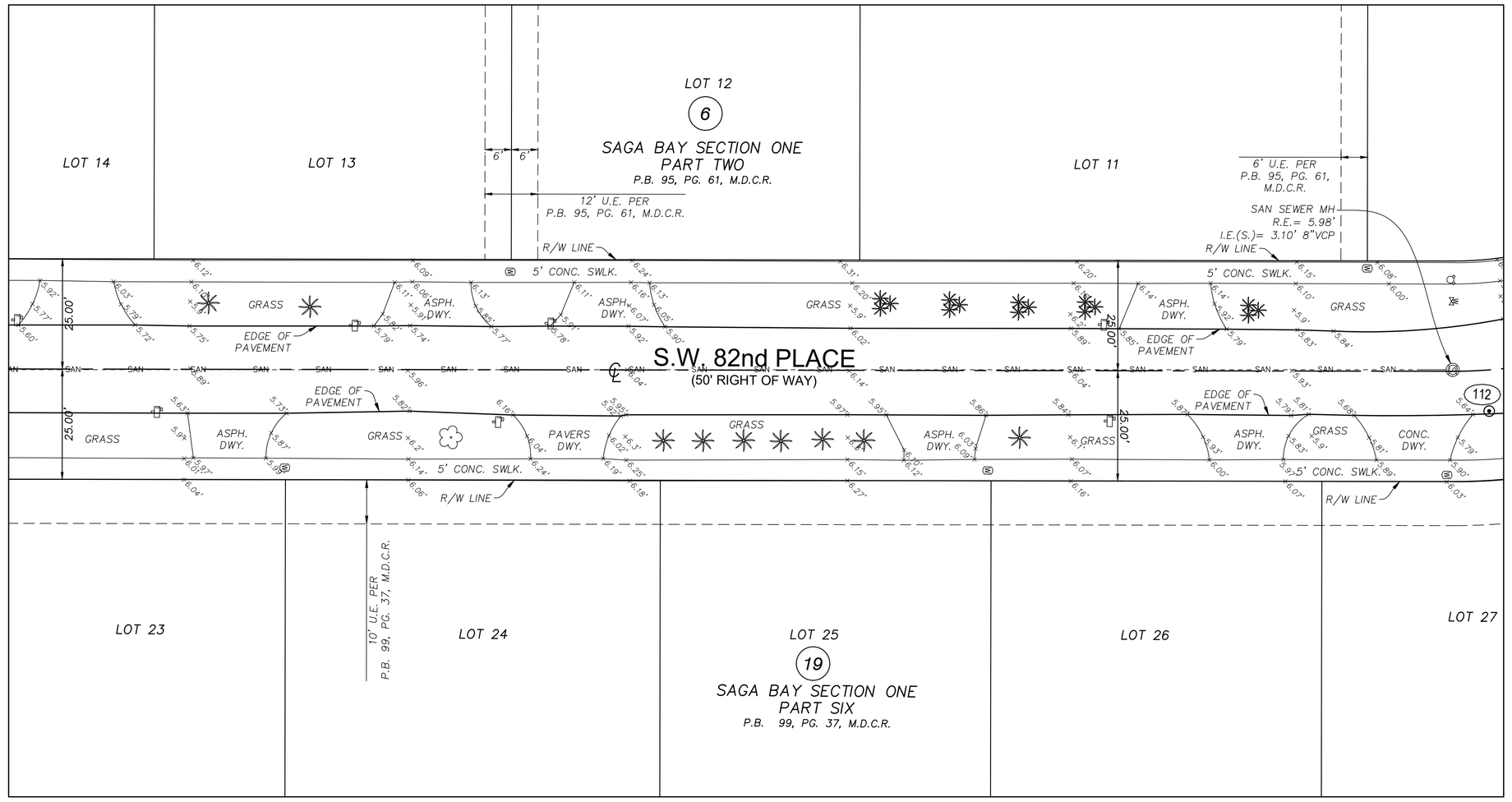
PROJECT
21-9336

SHEET NO.
13 OF 32

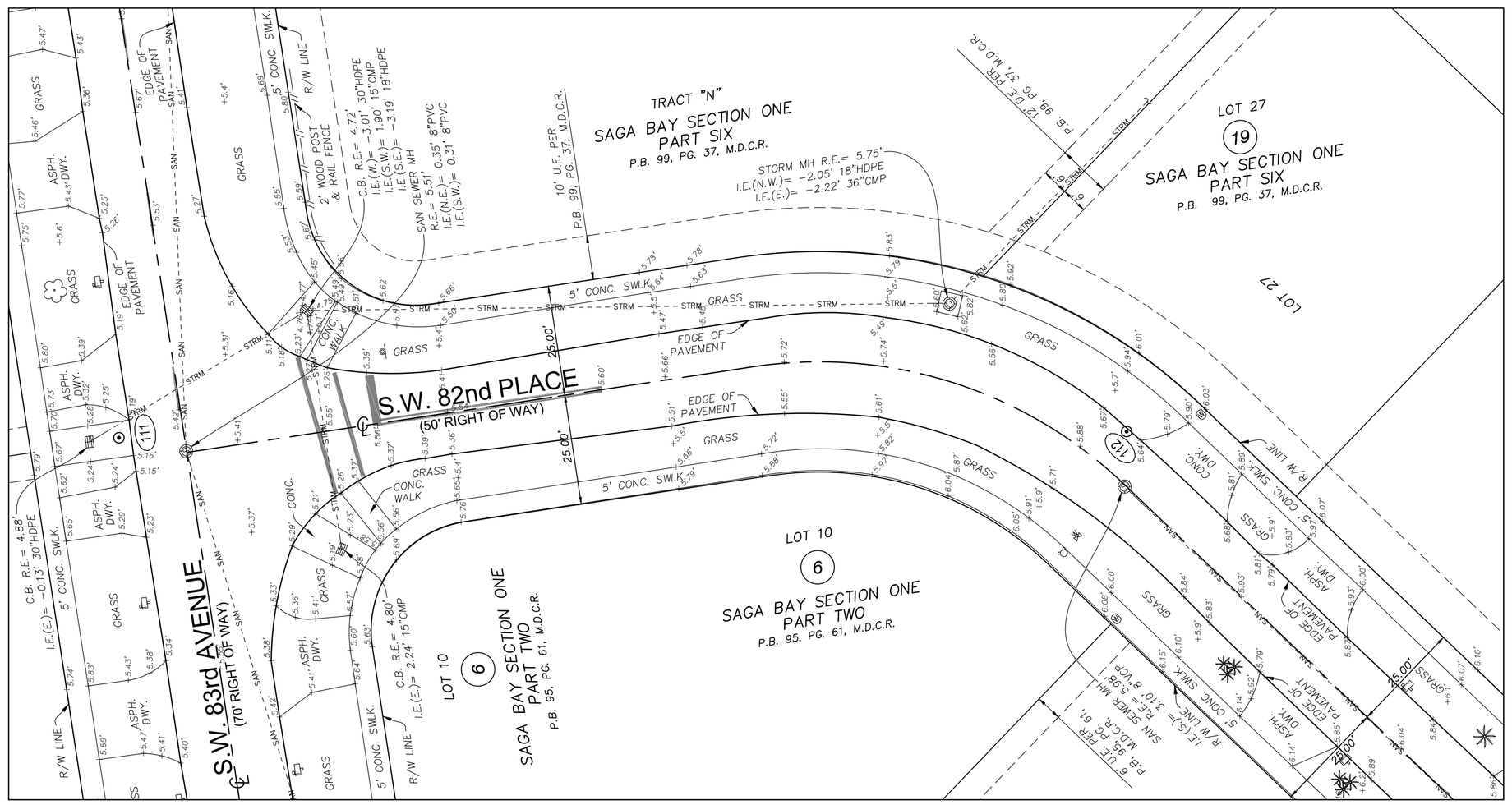
Town of Cutler Bay | ITB No. 25-04
Saga Bay Drainage Improvements Project
Page 189 of 329

DATE: May 31, 2022 - 8:13am EST
FILE: F:\Drow\KIMLEY-HORN\2021\21-9336 Saga Bay Cutler Bay\01-Drowing\21-9336.dwg

SKETCH OF TOPOGRAPHIC SURVEY



SCALE: 1" = 20'
GRAPHIC SCALE
0 5 10 20 40



SCALE: 1" = 20'
GRAPHIC SCALE
0 5 10 20 40

SEE SHEET 1 OF 32 FOR KEY MAP, SURVEY CONTROL POINTS TABLE, LEGEND AND ABBREVIATIONS

KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD 1929)

NO.	REVISION	DATE	BY :

THE MATERIAL SHOWN HEREON IS THE PROPERTY OF STONER & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT PERMISSION OF STONER & ASSOCIATES, INC. COPYRIGHT © 2022

STONER
SURVEYORS • MAPPERS
Licensed Business No. 6633
4341 S.W. 62nd AVENUE, DAVIE, FLORIDA 33314
TEL (954) 585-0997
www.stonersurveyors.com

SKETCH OF TOPOGRAPHIC SURVEY
SAGA BAY NEIGHBORHOOD
DRAINAGE IMPROVEMENTS
SAGA BAY BASINS 1.1 EAST, 1.1. WEST, 1.5 NORTH, 1.6 AND 1.8
TOWN OF CUTLER BAY, MIAMI-DADE COUNTY, FL

LAST DATE OF FIELD SURVEY: 04.28.2022
DRAWN: WDLR
CHECKED: JDS
BOOK/PAGE(S): 1149/8-26, 35

WALTER DE LA ROCHA
PROFESSIONAL SURVEYOR AND MAPPER NO. 6081
STATE OF FLORIDA

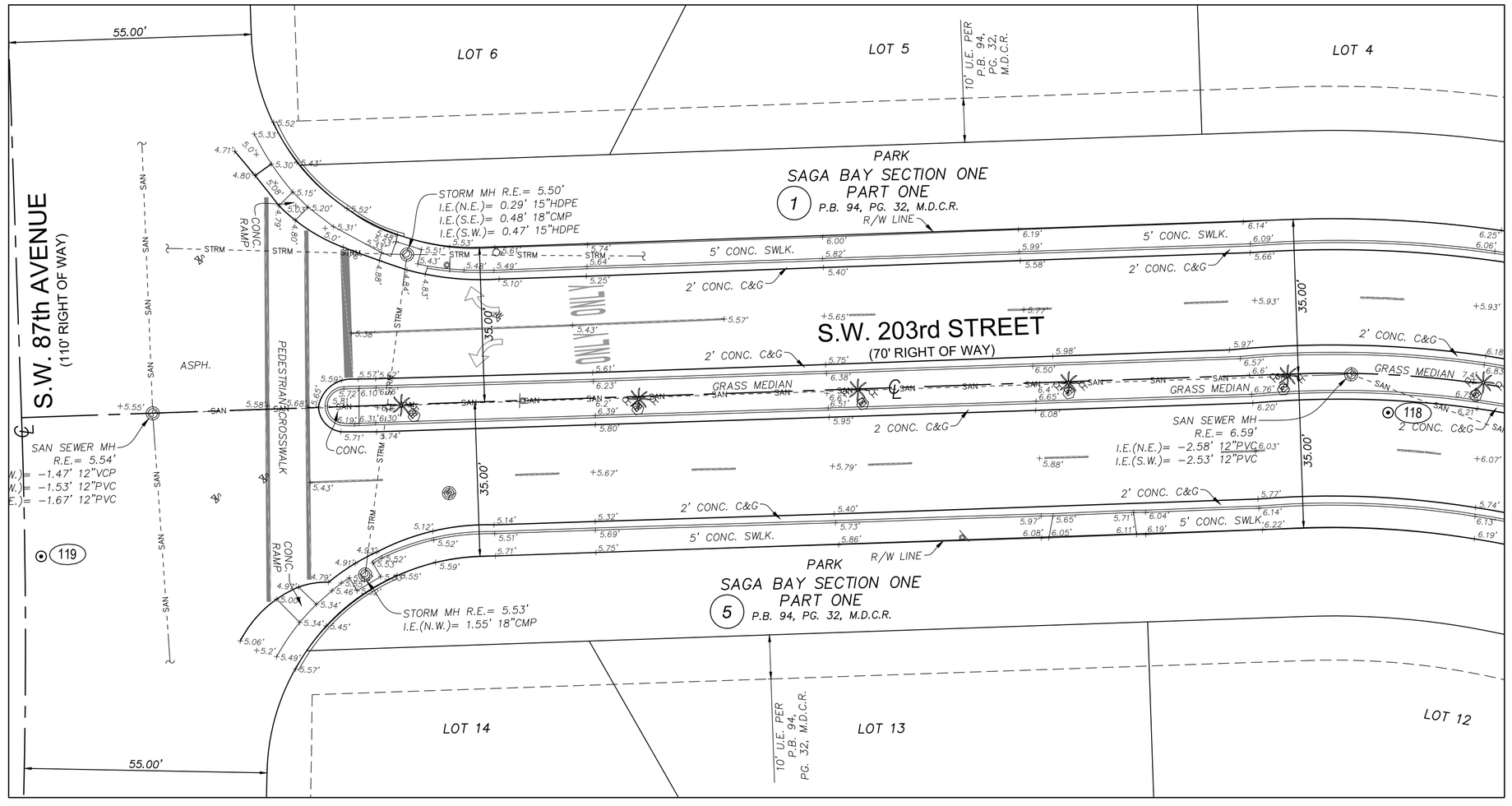
PROJECT
21-9336

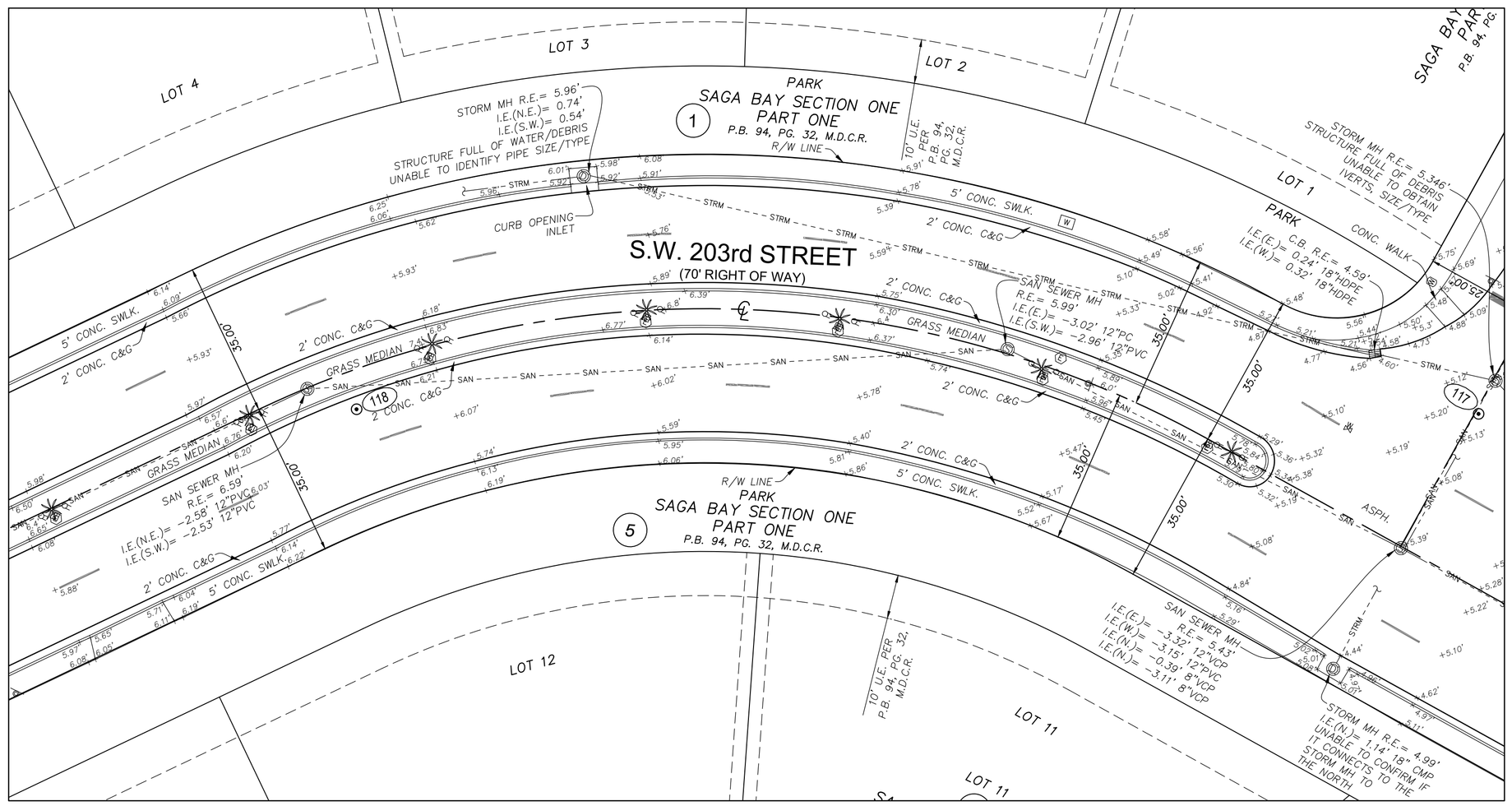
SHEET NO.
14 OF 32

DATE: May 31, 2022 – 8:13am EST
FILE: F:\Drow\KIMLEY-HORN\2021\21-9336 Saga Bay Cutler Bay\01-Drawing\21-9336.dwg

Town of Cutler Bay | ITB No. 23-04
Saga Bay Drainage Improvements Project
Page 167 of 329

SKETCH OF TOPOGRAPHIC SURVEY





SCALE: 1" = 20'
0 5 10 20 40
GRAPHIC SCALE

ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD 1929)

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

SEE SHEET 1 OF 32 FOR KEY MAP, SURVEY CONTROL POINTS TABLE, LEGEND AND ABBREVIATIONS

NO.	REVISION	DATE	BY :

THE MATERIAL SHOWN HEREON IS THE PROPERTY OF STONER & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT PERMISSION OF STONER & ASSOCIATES, INC. COPYRIGHT © 2022

STONER
SURVEYORS • MAPPERS
Licensed Business No. 6633
4341 S.W. 62nd AVENUE, DAVIE, FLORIDA 33314
TEL (954) 585-0997
www.stonersurveyors.com

SKETCH OF TOPOGRAPHIC SURVEY
SAGA BAY NEIGHBORHOOD
DRAINAGE IMPROVEMENTS
SAGA BAY BASINS 1.1 EAST, 1.1. WEST, 1.5 NORTH, 1.6 AND 1.8
TOWN OF CUTLER BAY, MIAMI-DADE COUNTY, FL

LAST DATE OF FIELD SURVEY: 04.28.2022
DRAWN: WDLR
CHECKED: JDS
BOOK/PAGE(S): 1149/8-26, 35

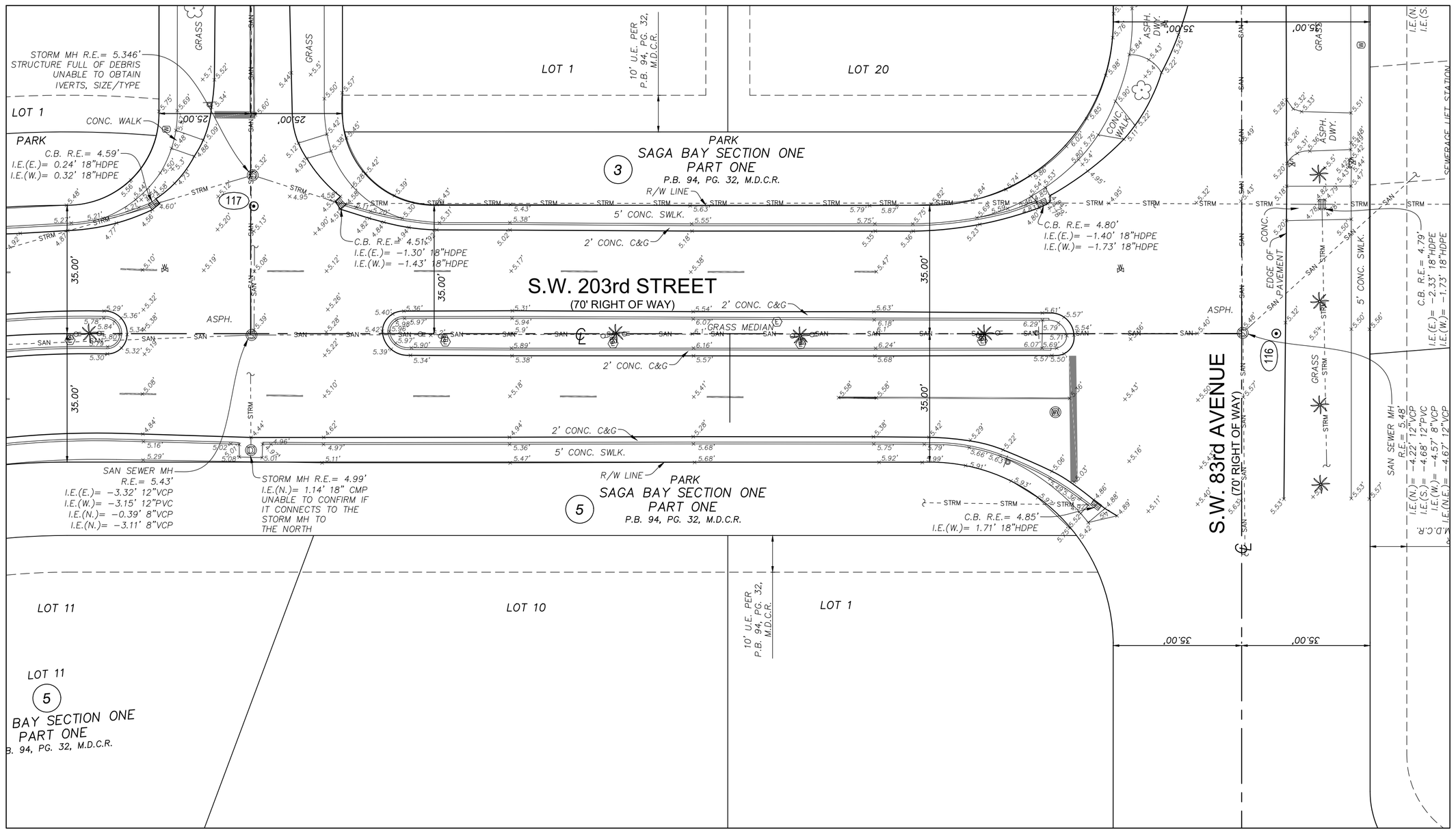
WALTER DE LA ROCHA
PROFESSIONAL SURVEYOR AND MAPPER NO. 6081
STATE OF FLORIDA

PROJECT
21-9336

SHEET NO.
15 OF 32

DATE: May 31, 2022 - 8:13am EST
FILE: F:\Drow\KIMLEY-HORN\2021\21-9336 Saga Bay Cutler Bay\01-Drowing\21-9336.dwg

SKETCH OF TOPOGRAPHIC SURVEY



NO.	REVISION	DATE	BY :

THE MATERIAL SHOWN HEREON IS THE PROPERTY OF STONER & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT PERMISSION OF STONER & ASSOCIATES, INC. COPYRIGHT © 2022

TEL (954) 585-0997
www.stonersurveyors.com
STONER
SURVEYORS • MAPPERS
Licensed Business No. 6633
4341 S.W. 62nd AVENUE, DAVIE, FLORIDA 33314

SKETCH OF TOPOGRAPHIC SURVEY
SAGA BAY NEIGHBORHOOD
DRAINAGE IMPROVEMENTS
SAGA BAY BASINS 1.1 EAST, 1.1. WEST, 1.5 NORTH, 1.6 AND 1.8
TOWN OF CUTLER BAY, MIAMI-DADE COUNTY, FL

LAST DATE OF FIELD SURVEY	DRAWN:	CHECKED:	BOOK/PAGE(S):
04.28.2022	WDLR	JDS	1143/6-26, 35

WALTER DE LA ROCHA
PROFESSIONAL SURVEYOR
AND MAPPER NO. 6081
STATE OF FLORIDA

PROJECT
21-9336

SHEET NO.
16 OF 32

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

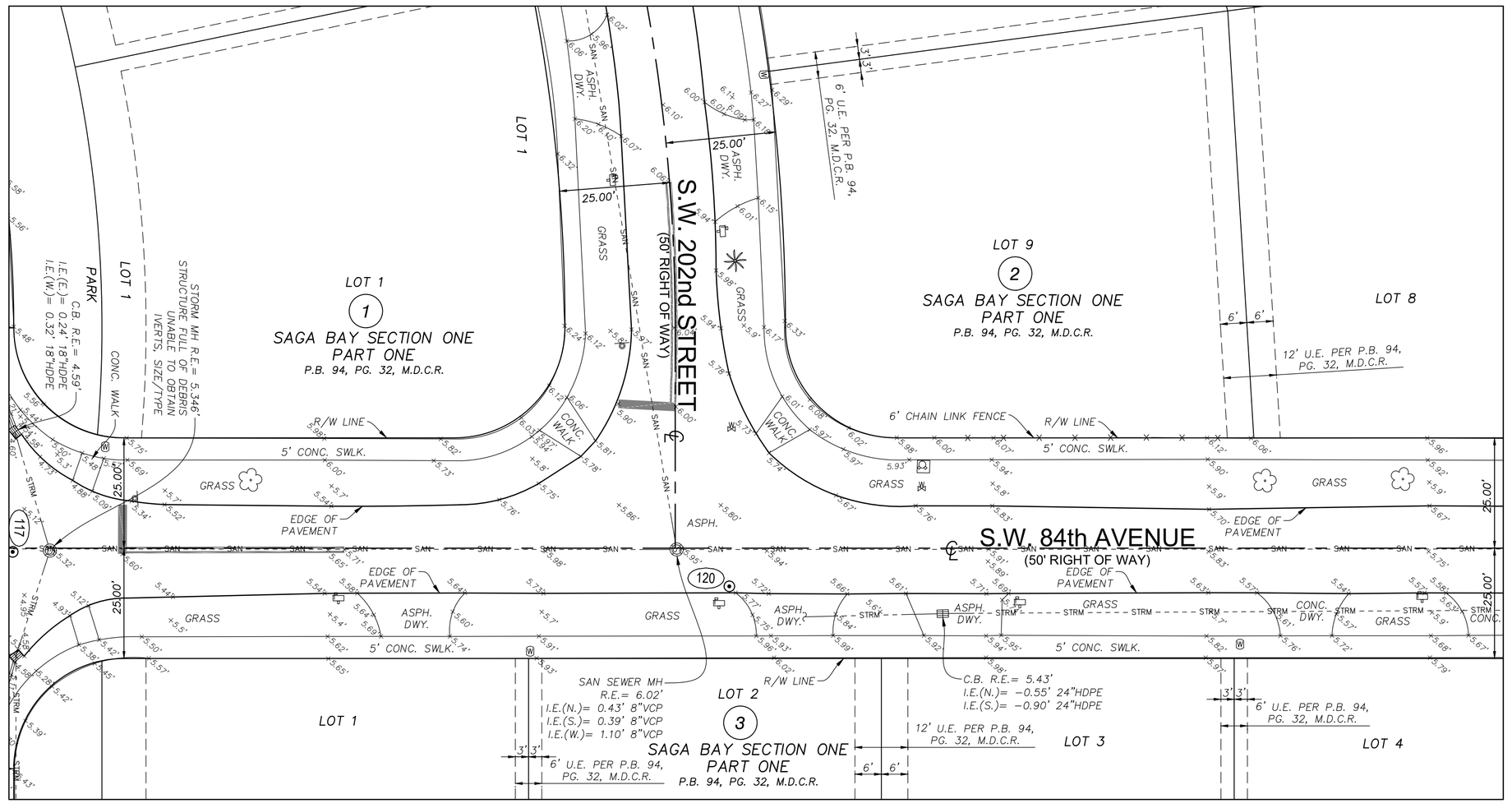
ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD 1929)

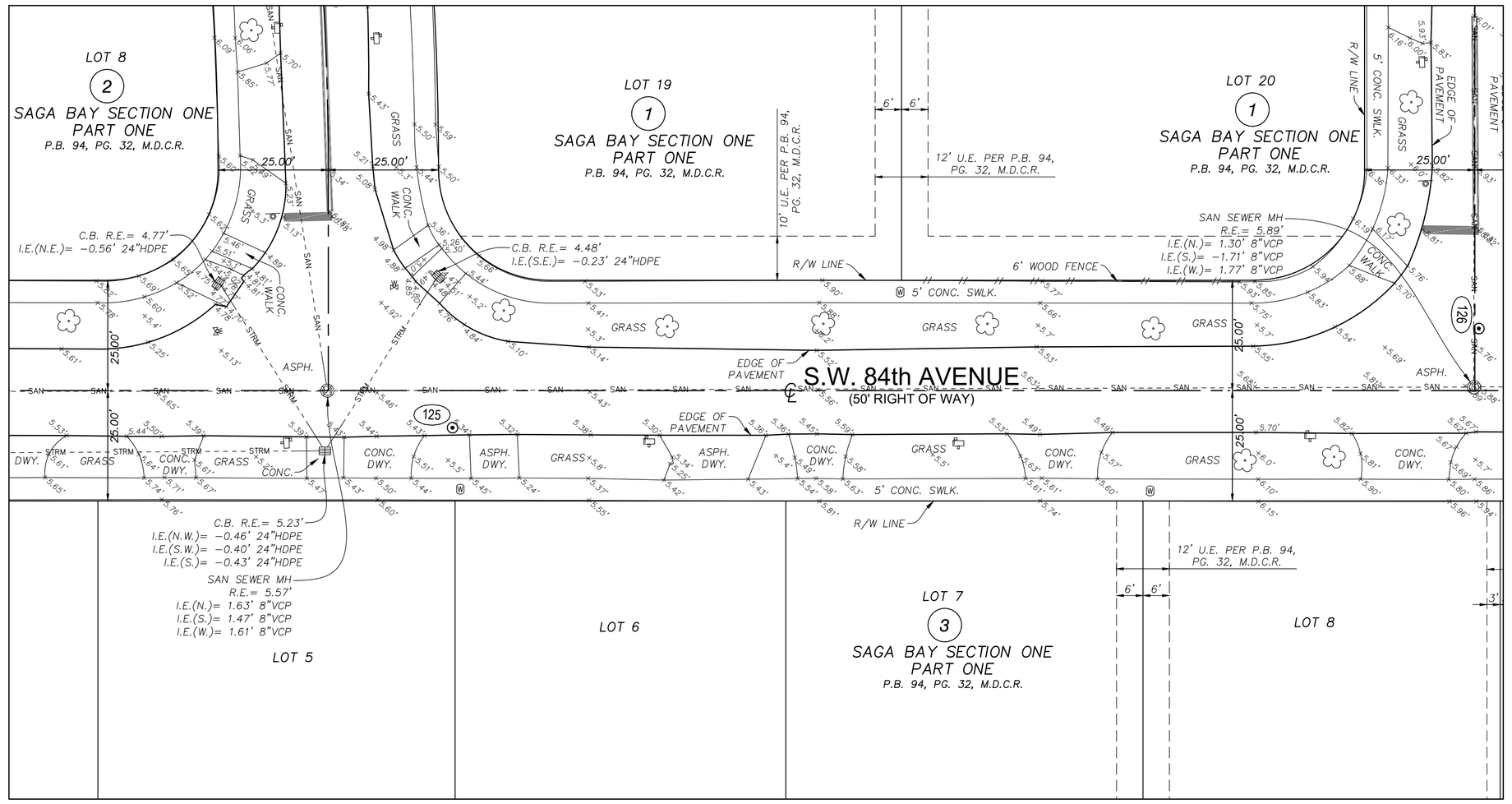
SEE SHEET 1 OF 32 FOR KEY MAP, SURVEY CONTROL POINTS TABLE, LEGEND AND ABBREVIATIONS

Town of Cutler Bay | ITB No. 25-04
Saga Bay Drainage Improvements
Page 69 of 232

DATE: May 31, 2022 - 8:13am EST
FILE: F:\Drow\KIMLEY-HORN\2021\21-9336 Saga Bay Cutler Bay\01-Drawing\21-9336.dwg

SKETCH OF TOPOGRAPHIC SURVEY





SCALE: 1" = 20'

0 5 10 20 40
GRAPHIC SCALE

ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD 1929)

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

SEE SHEET 1 OF 32 FOR KEY MAP, SURVEY CONTROL POINTS TABLE, LEGEND AND ABBREVIATIONS

NO.	REVISION	DATE	BY :

THE MATERIAL SHOWN HEREON IS THE PROPERTY OF STONER & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT PERMISSION OF STONER & ASSOCIATES, INC. COPYRIGHT © 2022

STONER
SURVEYORS • MAPPERS
Licensed Business No. 6633
4341 S.W. 62nd AVENUE, DAVIE, FLORIDA 33314
TEL (954) 585-0997
www.stonersurveyors.com

SKETCH OF TOPOGRAPHIC SURVEY
SAGA BAY NEIGHBORHOOD
DRAINAGE IMPROVEMENTS
SAGA BAY BASINS 1.1 EAST, 1.1. WEST, 1.5 NORTH, 1.6 AND 1.8
TOWN OF CUTLER BAY, MIAMI-DADE COUNTY, FL

LAST DATE OF FIELD SURVEY:	04.28.2022
DRAWN:	WDLR
CHECKED:	JDS
BOOK/PAGE(S):	1149/8-26, 35

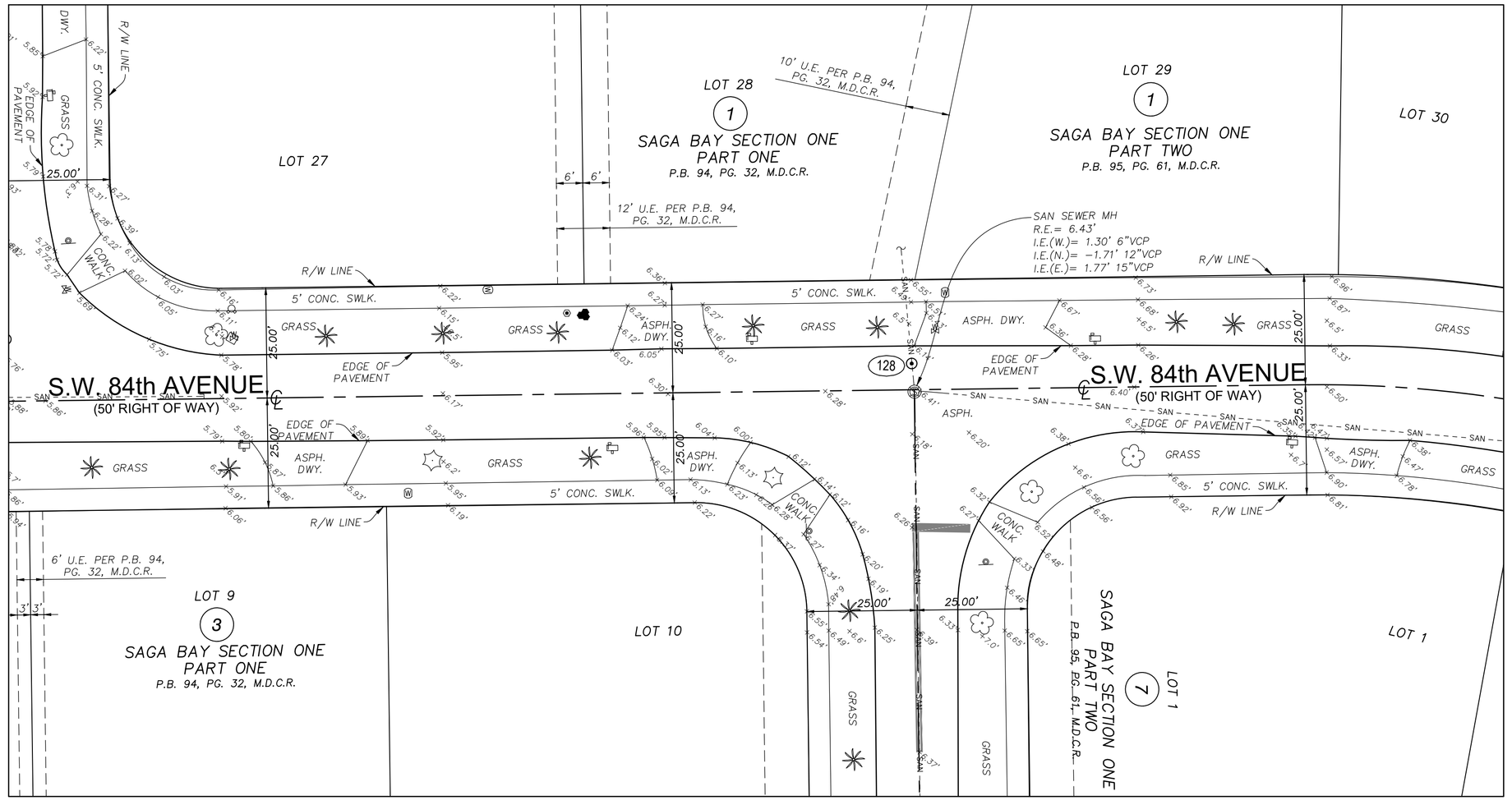
WALTER DE LA ROCHA
PROFESSIONAL SURVEYOR AND MAPPER NO. 6081
STATE OF FLORIDA

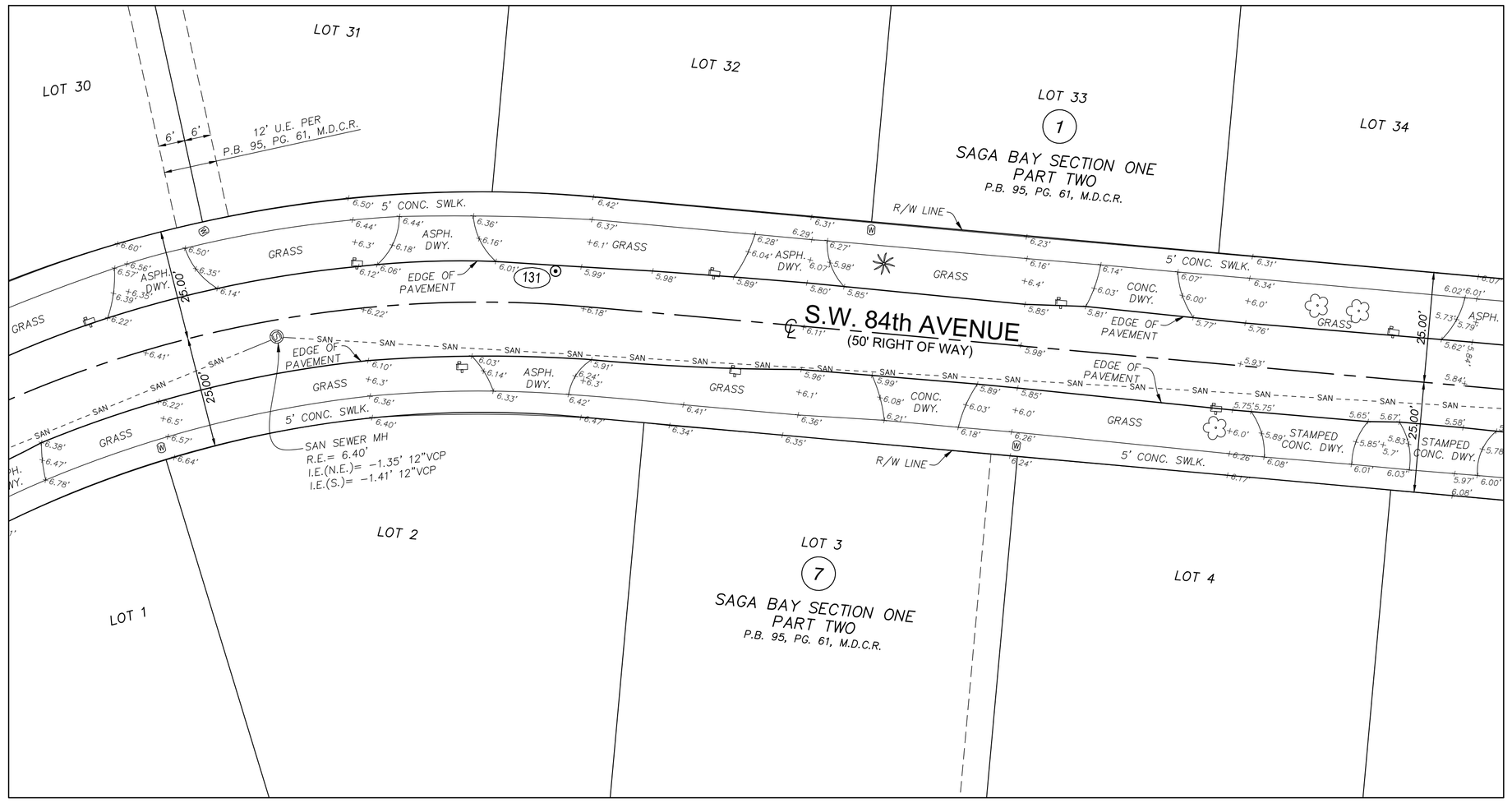
PROJECT
21-9336

SHEET NO.
17 OF 32

DATE: May 31, 2022 - 8:13am EST
FILE: F:\Drow\KIMLEY-HORN\2021\21-9336 Saga Bay Cutler Bay\01-Drawing\21-9336.dwg

Town of Cutler Bay | ITB No. 25-04
Saga Bay Neighborhood Improvements Project
Page 170 of 329





0 5 10 20 40
GRAPHIC SCALE

SCALE: 1" = 20'

0 5 10 20 40
GRAPHIC SCALE

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD 1929)

SEE SHEET 1 OF 32 FOR KEY MAP, SURVEY CONTROL POINTS TABLE, LEGEND AND ABBREVIATIONS

NO.	REVISION

THE MATERIAL SHOWN HEREON IS THE PROPERTY OF STONER & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT PERMISSION OF STONER & ASSOCIATES, INC. COPYRIGHT © 2022

STONER
SURVEYORS • MAPPERS
Licensed Business No. 6633
4341 S.W. 62nd AVENUE, DAVIE, FLORIDA 33314
TEL (954) 585-0997
www.stonersurveyors.com

SKETCH OF TOPOGRAPHIC SURVEY
SAGA BAY NEIGHBORHOOD DRAINAGE IMPROVEMENTS
SAGA BAY BASINS 1.1 EAST, 1.1 WEST, 1.5 NORTH, 1.6 AND 1.8
TOWN OF CUTLER BAY, MIAMI-DADE COUNTY, FL

LAST DATE OF FIELD SURVEY: 04.28.2022
DRAWN: WDLR
CHECKED: JDS
BOOK/PAGE(S): 1149/8-26, 35

WALTER DE LA ROCHA
PROFESSIONAL SURVEYOR AND MAPPER NO. 6081
STATE OF FLORIDA

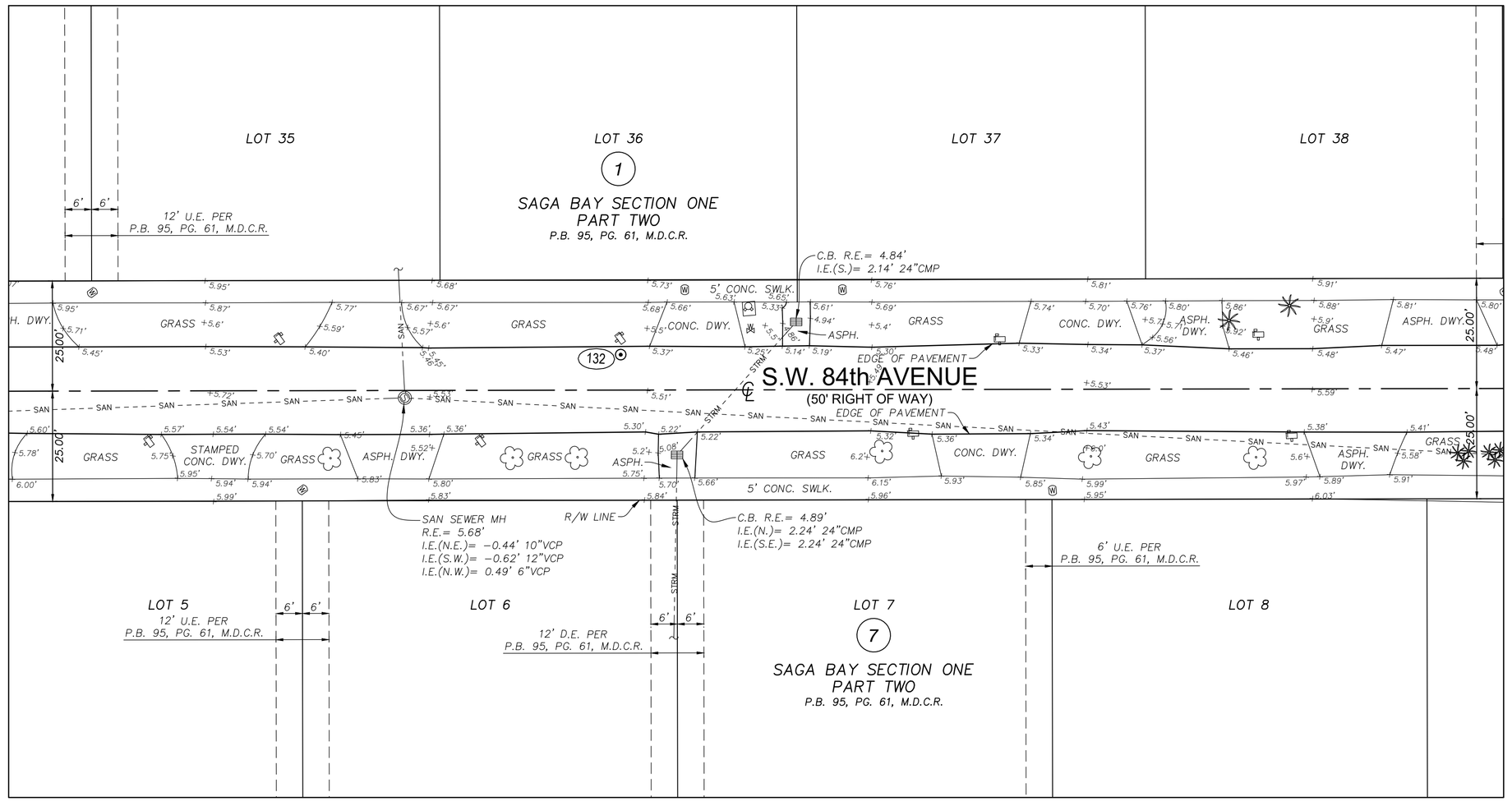
PROJECT
21-9336

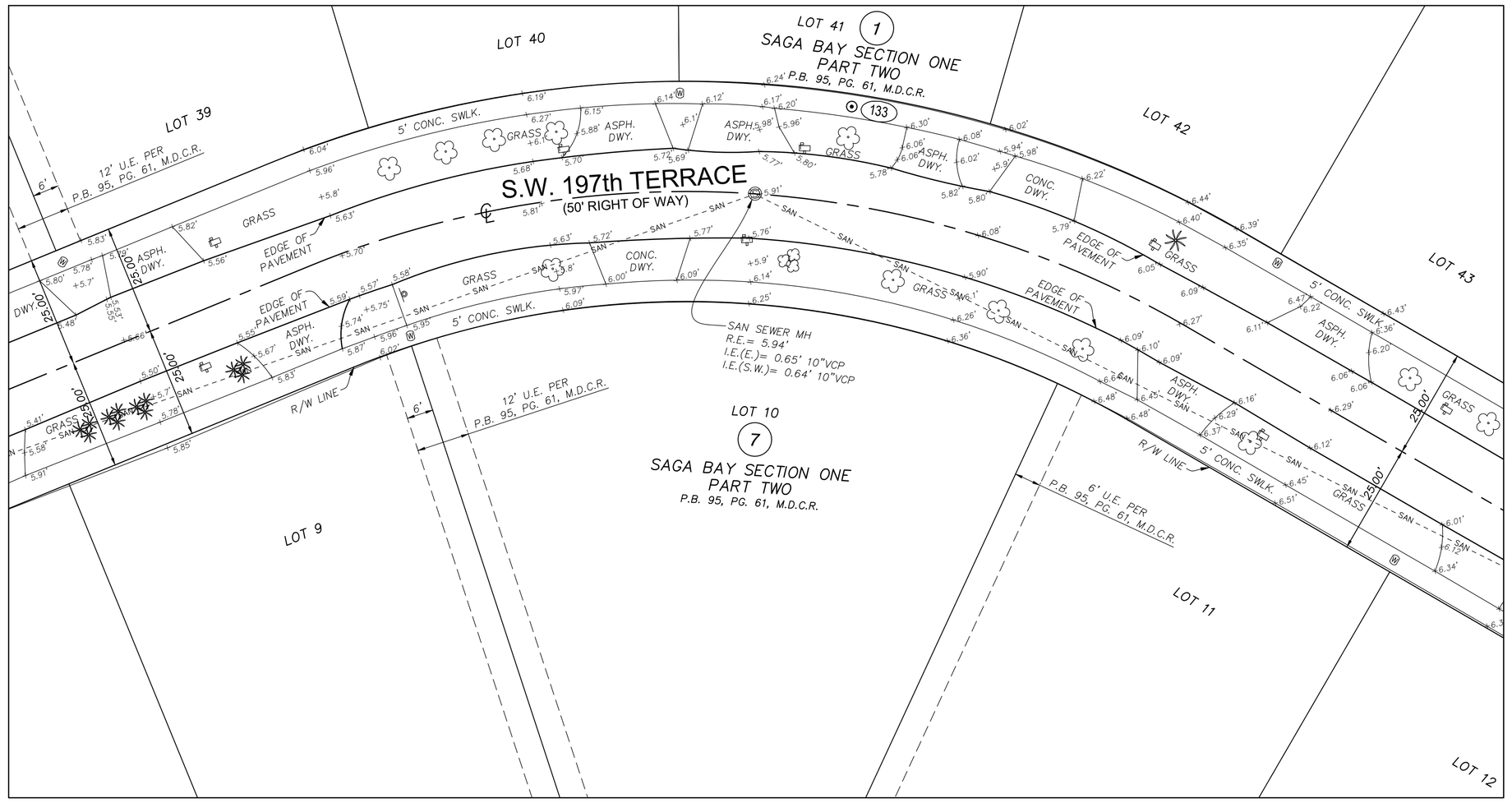
SHEET NO.
18 OF 32

Town of Cutler Bay | ITB No. 23-04
Saga Bay Neighborhood Improvements Project
Page 171 of 329

DATE: May 31, 2022 - 8:13am EST
FILE: F:\Drow\KIMLEY-HORN\2021\21-9336 Saga Bay Cutler Bay\01-Drawing\21-9336.dwg

SKETCH OF TOPOGRAPHIC SURVEY





SCALE: 1" = 20'
0 5 10 20 40
GRAPHIC SCALE

SEE SHEET 1 OF 32 FOR KEY MAP, SURVEY CONTROL POINTS TABLE, LEGEND AND ABBREVIATIONS

ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD 1929)

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

DATE: May 31, 2022 - 8:13am EST
FILE: F:\Drow\KIMLEY-HORN\2021\21-9336 Saga Bay Cutler Bay\01-Drawing\21-9336.dwg

Town of Cutler Bay | ITB No. 25-24
Saga Bay Neighborhood Improvements Project
Page 172 of 329

NO.	REVISION	DATE	BY :

THE MATERIAL SHOWN HEREON IS THE PROPERTY OF STONER & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT PERMISSION OF STONER & ASSOCIATES, INC. COPYRIGHT © 2022

STONER
SURVEYORS • MAPPERS
Licensed Business No. 6633
4341 S.W. 62nd AVENUE, DAVIE, FLORIDA 33314
TEL (954) 585-0997
www.stonersurveyors.com

SKETCH OF TOPOGRAPHIC SURVEY
SAGA BAY NEIGHBORHOOD
DRAINAGE IMPROVEMENTS
SAGA BAY BASINS 1.1 EAST, 1.1 WEST, 1.5 NORTH, 1.6 AND 1.8
TOWN OF CUTLER BAY, MIAMI-DADE COUNTY, FL

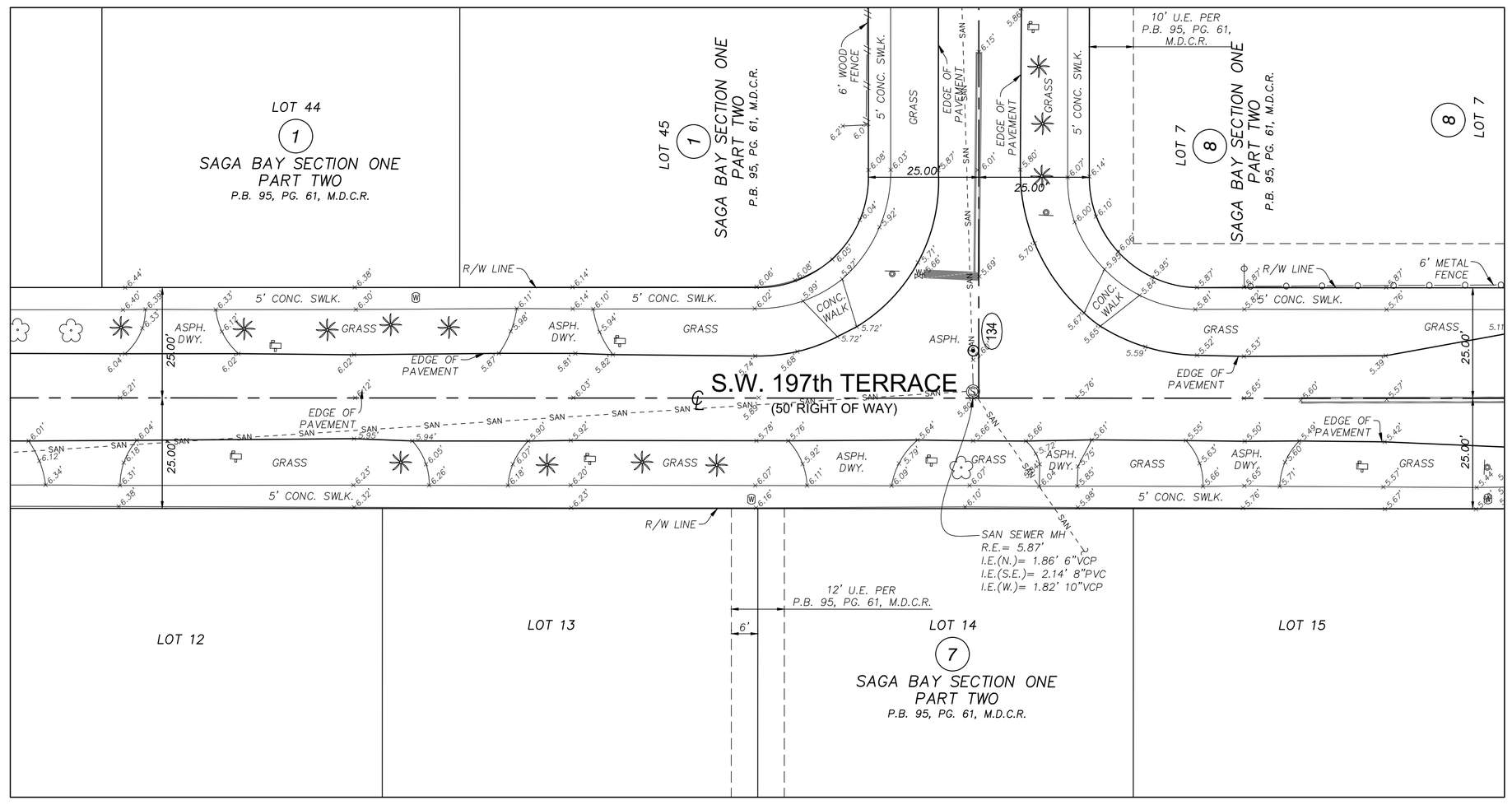
LAST DATE OF FIELD SURVEY: 04.28.2022
DRAWN: WDLR
CHECKED: JDS
BOOK/PAGE(S): 1149/8-26, 35

WALTER DE LA ROCHA
PROFESSIONAL SURVEYOR AND MAPPER NO. 6081
STATE OF FLORIDA

PROJECT
21-9336

SHEET NO.
19 OF 32

SKETCH OF TOPOGRAPHIC SURVEY



SCALE: 1" = 20'

0 5 10 20 40
GRAPHIC SCALE

SEE SHEET 1 OF 32 FOR KEY MAP, SURVEY CONTROL POINTS TABLE, LEGEND AND ABBREVIATIONS

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD 1929)

NO.	REVISION	DATE	BY :

THE MATERIAL SHOWN HEREON IS THE PROPERTY OF STONER & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT PERMISSION OF STONER & ASSOCIATES, INC. COPYRIGHT © 2022

TEL (954) 585-0997
www.stonersurveyors.com
STONER
SURVEYORS • MAPPERS
Licensed Business No. 6633
4341 S.W. 62nd AVENUE, DAVIE, FLORIDA 33314

SKETCH OF TOPOGRAPHIC SURVEY
SAGA BAY NEIGHBORHOOD
DRAINAGE IMPROVEMENTS
SAGA BAY BASINS 1.1 EAST, 1.1 WEST, 1.5 NORTH, 1.6 AND 1.8
TOWN OF CUTLER BAY, MIAMI-DADE COUNTY, FL

LAST DATE OF FIELD SURVEY: 04.28.2022
DRAWN: WDLR
CHECKED: JDS
BOOK/PAGE(S): 1149/6-26, 35

WALTER DE LA ROCHA
PROFESSIONAL SURVEYOR AND MAPPER NO. 6081
STATE OF FLORIDA

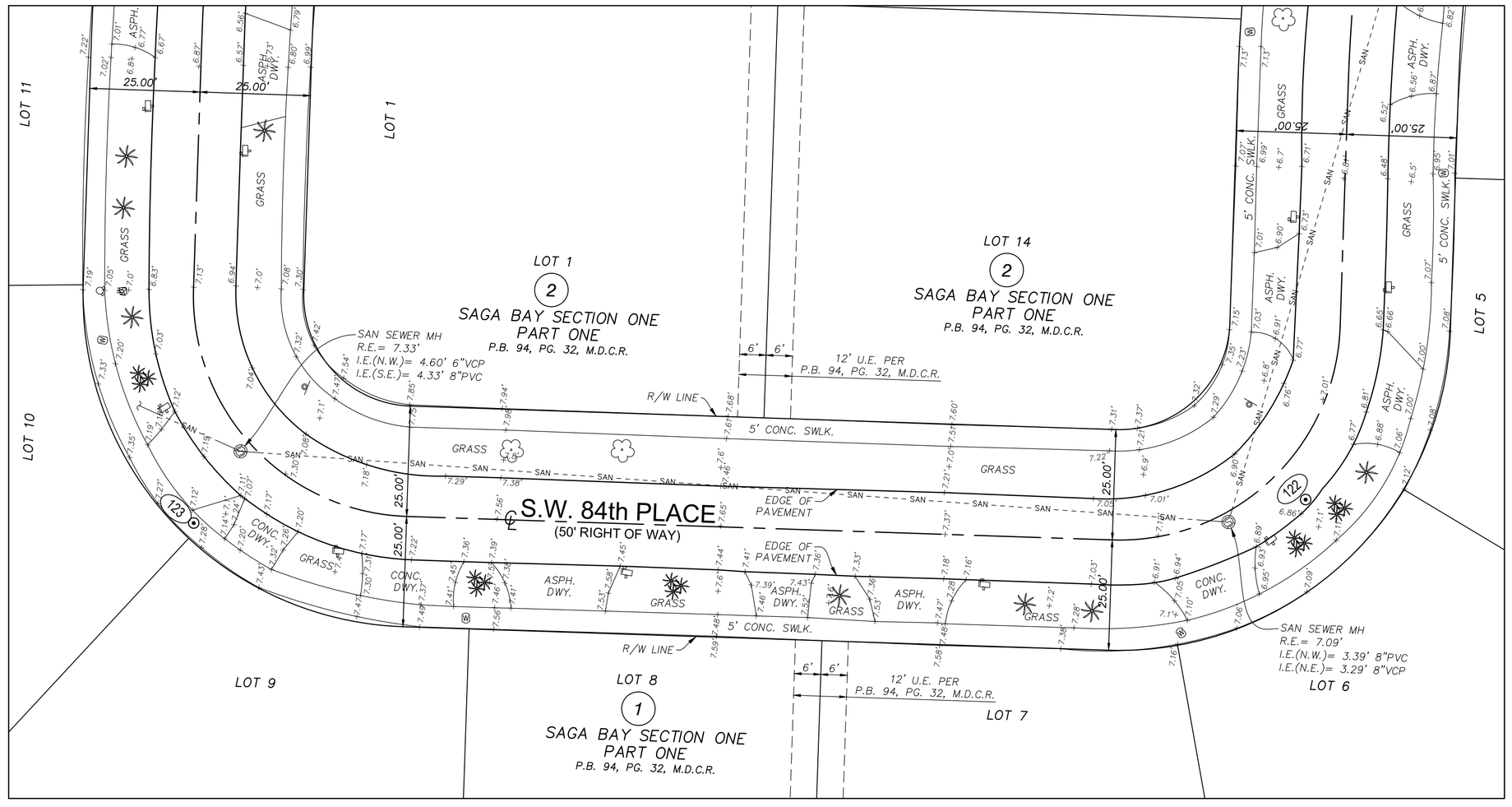
PROJECT
21-9336

SHEET NO.
20 OF 32

DATE: May 31, 2022 - 8:13am EST
FILE: F:\Drawk\KIMLEY-HORN\2021\21-9336 Saga Bay Cutler Bay\01-Drawing\21-9336.dwg

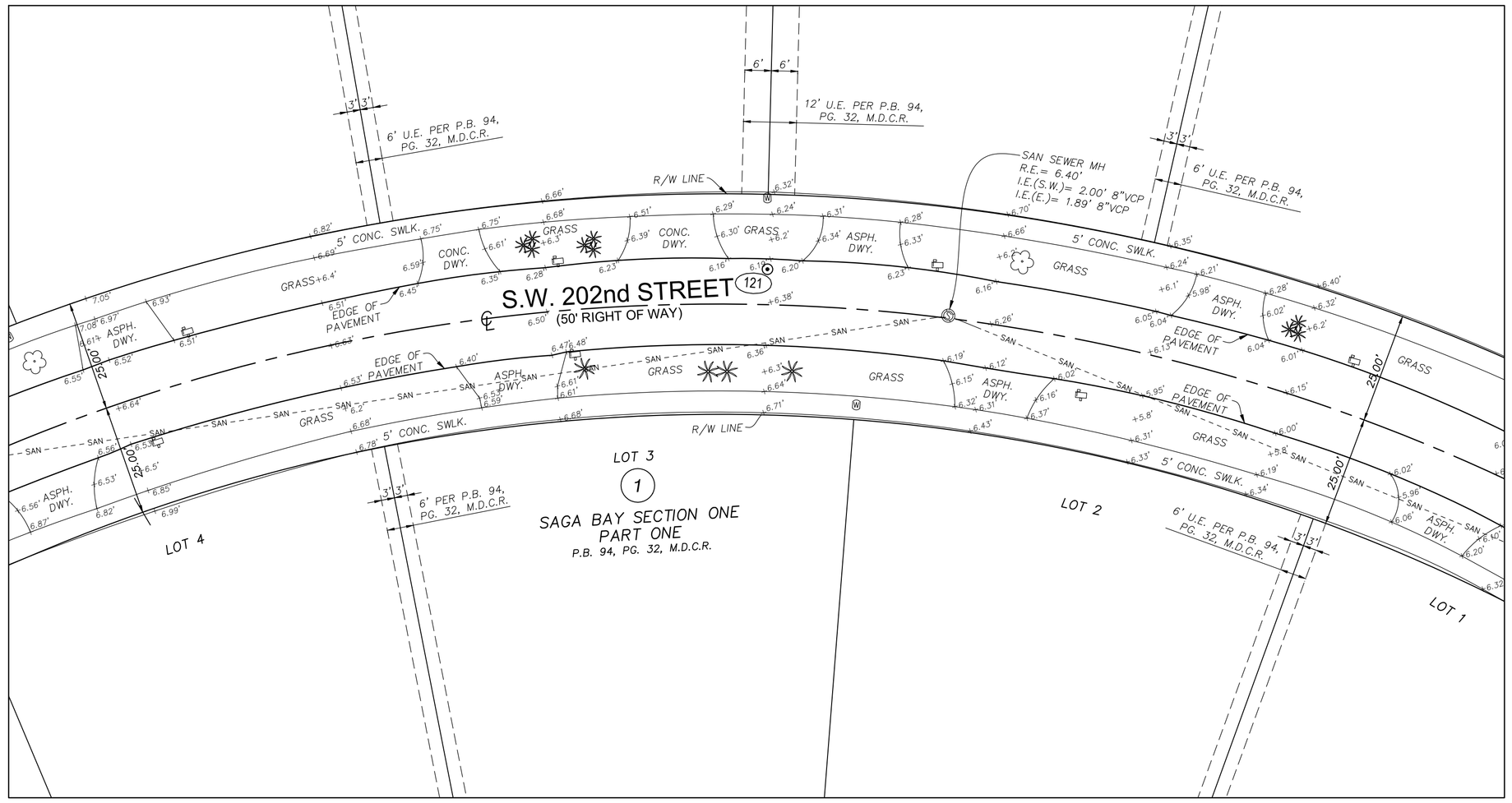
Town of Cutler Bay / ITB No. 24-04
Saga Bay Neighborhood Drainage Improvement Project
Page 173 of 329

SKETCH OF TOPOGRAPHIC SURVEY



SCALE: 1" = 20'

0 5 10 20 40
GRAPHIC SCALE



SCALE: 1" = 20'

0 5 10 20 40
GRAPHIC SCALE

SEE SHEET 1 OF 32 FOR KEY MAP, SURVEY CONTROL POINTS TABLE, LEGEND AND ABBREVIATIONS

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD 1929)

THE MATERIAL SHOWN HEREON IS THE PROPERTY OF STONER & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT PERMISSION OF STONER & ASSOCIATES, INC. COPYRIGHT © 2022

NO.	REVISION	DATE	BY:

STONER
SURVEYORS • MAPPERS
Licensed Business No. 6633
4341 S.W. 62nd AVENUE, DAVIE, FLORIDA 33314
TEL (954) 585-0997
www.stonersurveyors.com

SKETCH OF TOPOGRAPHIC SURVEY
SAGA BAY NEIGHBORHOOD
DRAINAGE IMPROVEMENTS
SAGA BAY BASINS 1.1 EAST, 1.1. WEST, 1.5 NORTH, 1.6 AND 1.8
TOWN OF CUTLER BAY, MIAMI-DADE COUNTY, FL

LAST DATE OF FIELD SURVEY: 04.28.2022
DRAWN: WDLR
CHECKED: JDS
BOOK/PAGE(S): 1149/8-26, 35

WALTER DE LA ROCHA
PROFESSIONAL SURVEYOR AND MAPPER NO. 6081
STATE OF FLORIDA

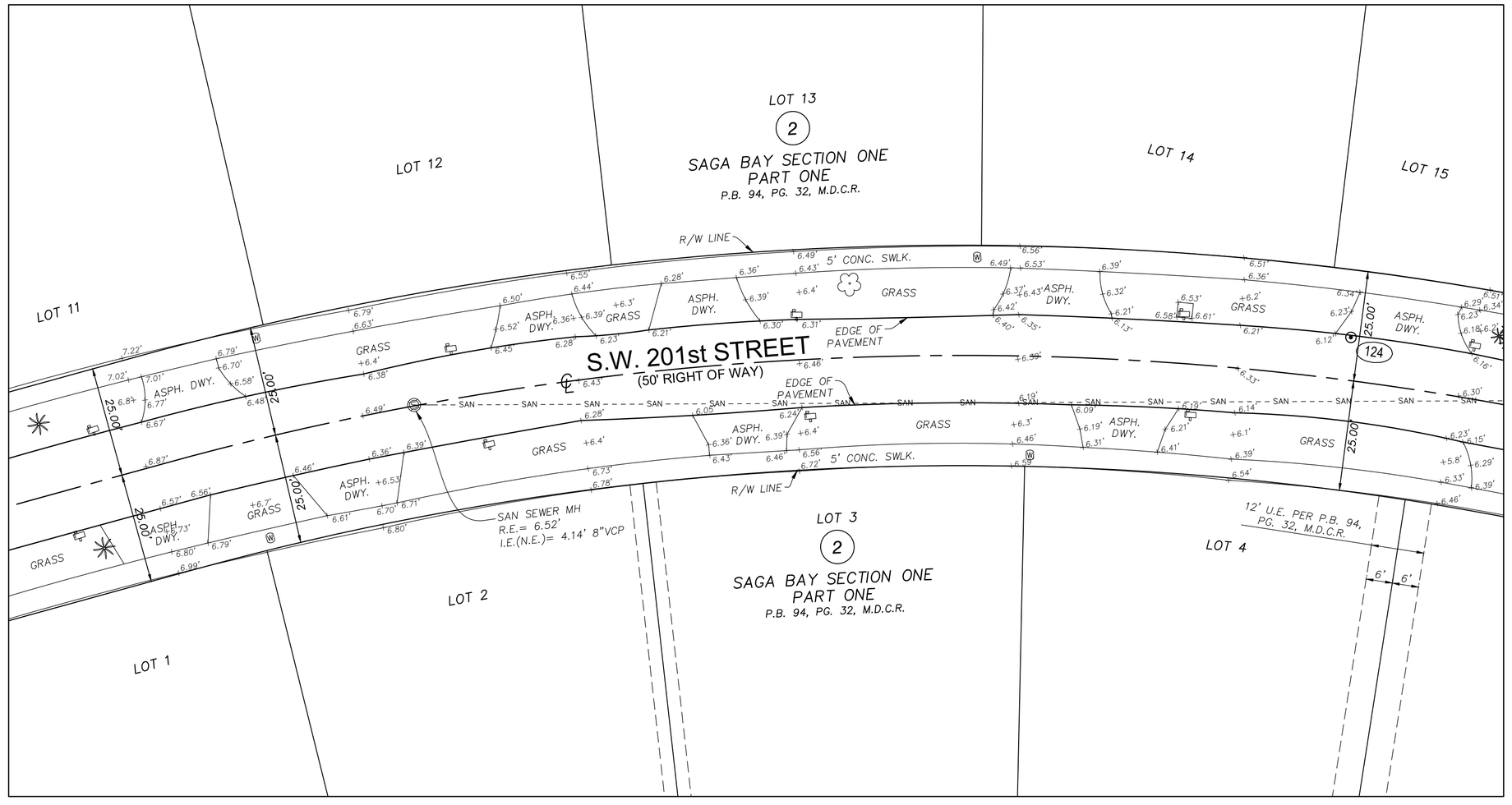
PROJECT
21-9336

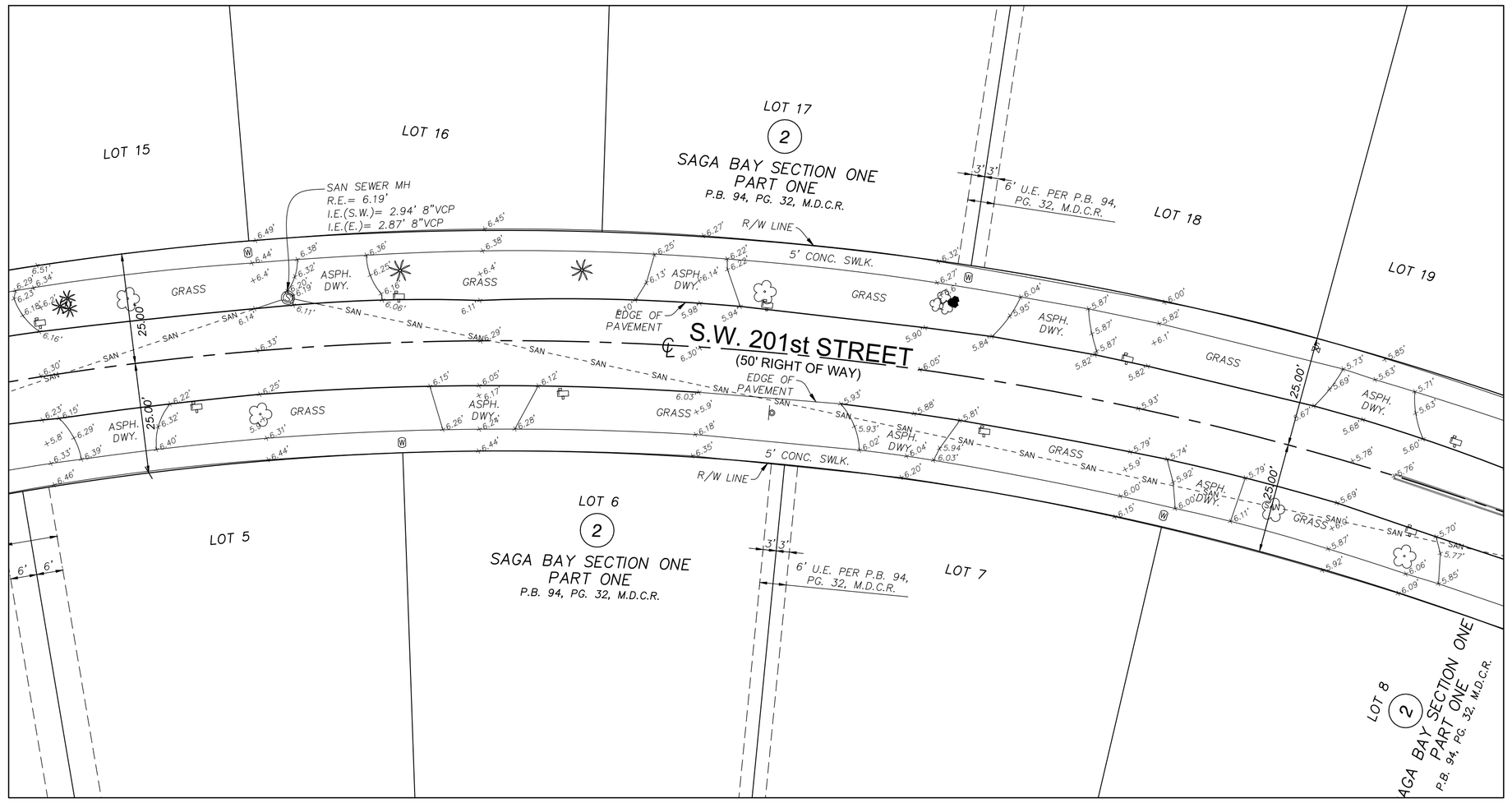
SHEET NO.
21 OF 32

Town of Cutler Bay | ITB No. 25-24
Saga Bay Drainage Improvements Project
Page 174 of 329

DATE: May 31, 2022 - 8:14am EST
FILE: F:\Drow\KIMLEY-HORN\2021\21-9336 Saga Bay Cutler Bay\01-Drawing\21-9336.dwg

SKETCH OF TOPOGRAPHIC SURVEY





SCALE: 1" = 20'

0 5 10 20 40

GRAPHIC SCALE

SEE SHEET 1 OF 32 FOR KEY MAP, SURVEY CONTROL POINTS TABLE, LEGEND AND ABBREVIATIONS

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD 1929)

DATE: May 31, 2022 - 8:14am EST
FILE: F:\Drawk\KIMLEY-HORN\2021\21-9336 Saga Bay Cutler Bay\01-Drawing\21-9336.dwg

NO.	REVISION	DATE	BY :

THE MATERIAL SHOWN HEREON IS THE PROPERTY OF STONER & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT PERMISSION OF STONER & ASSOCIATES, INC. COPYRIGHT © 2022

STONER
SURVEYORS • MAPPERS
Licensed Business No. 6633
4341 S.W. 62nd AVENUE, DAVIE, FLORIDA 33314
TEL (954) 585-0997
www.stonersurveyors.com

SKETCH OF TOPOGRAPHIC SURVEY
SAGA BAY NEIGHBORHOOD
DRAINAGE IMPROVEMENTS
SAGA BAY BASINS 1.1 EAST, 1.1. WEST, 1.5 NORTH, 1.6 AND 1.8
TOWN OF CUTLER BAY, MIAMI-DADE COUNTY, FL

LAST DATE OF FIELD SURVEY: 04.28.2022
DRAWN: WDLR
CHECKED: JDS
BOOK/PAGE(S): 1149/8-26, 35

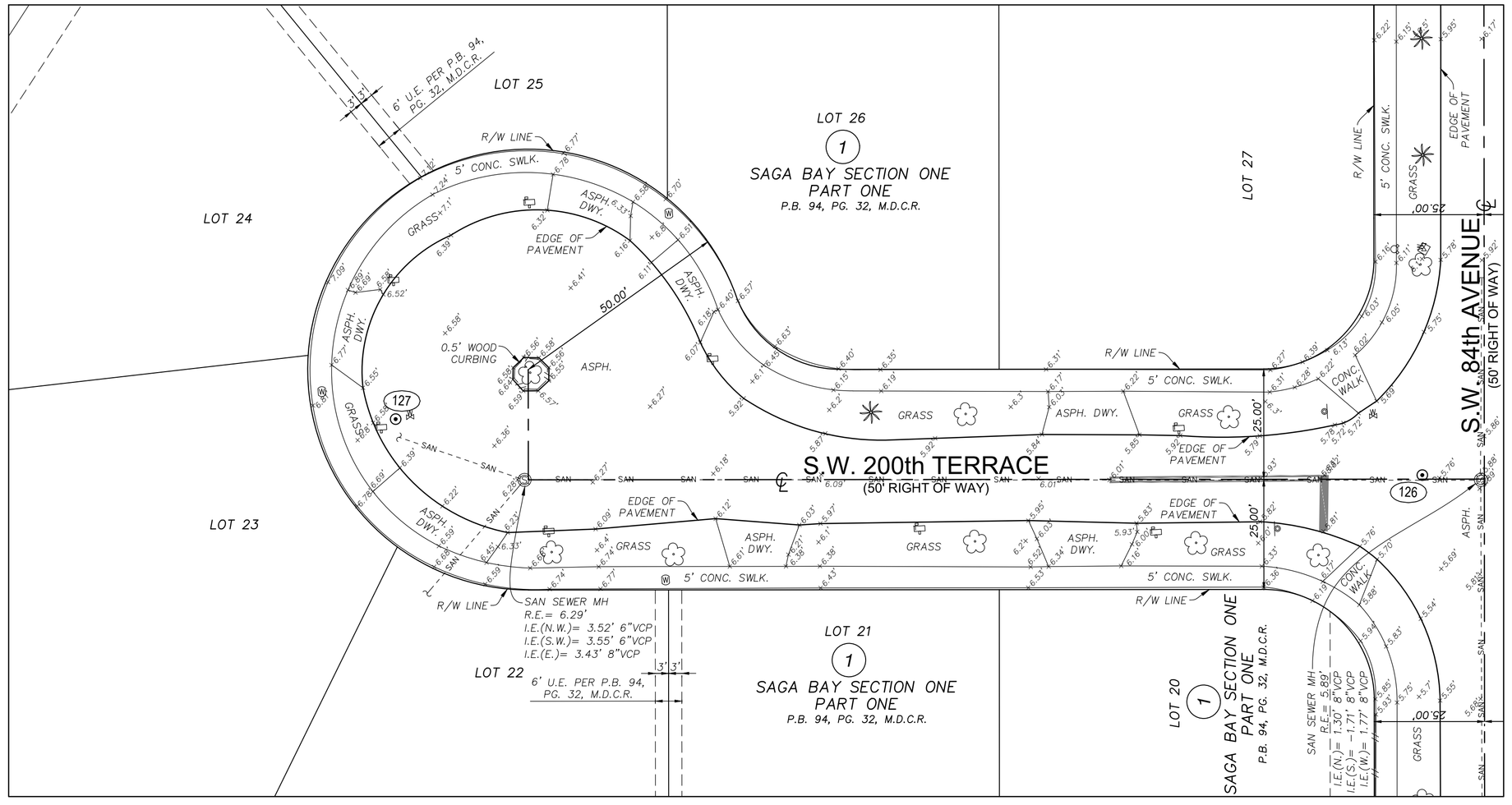
WALTER DE LA ROCHA
PROFESSIONAL SURVEYOR AND MAPPER NO. 6081
STATE OF FLORIDA

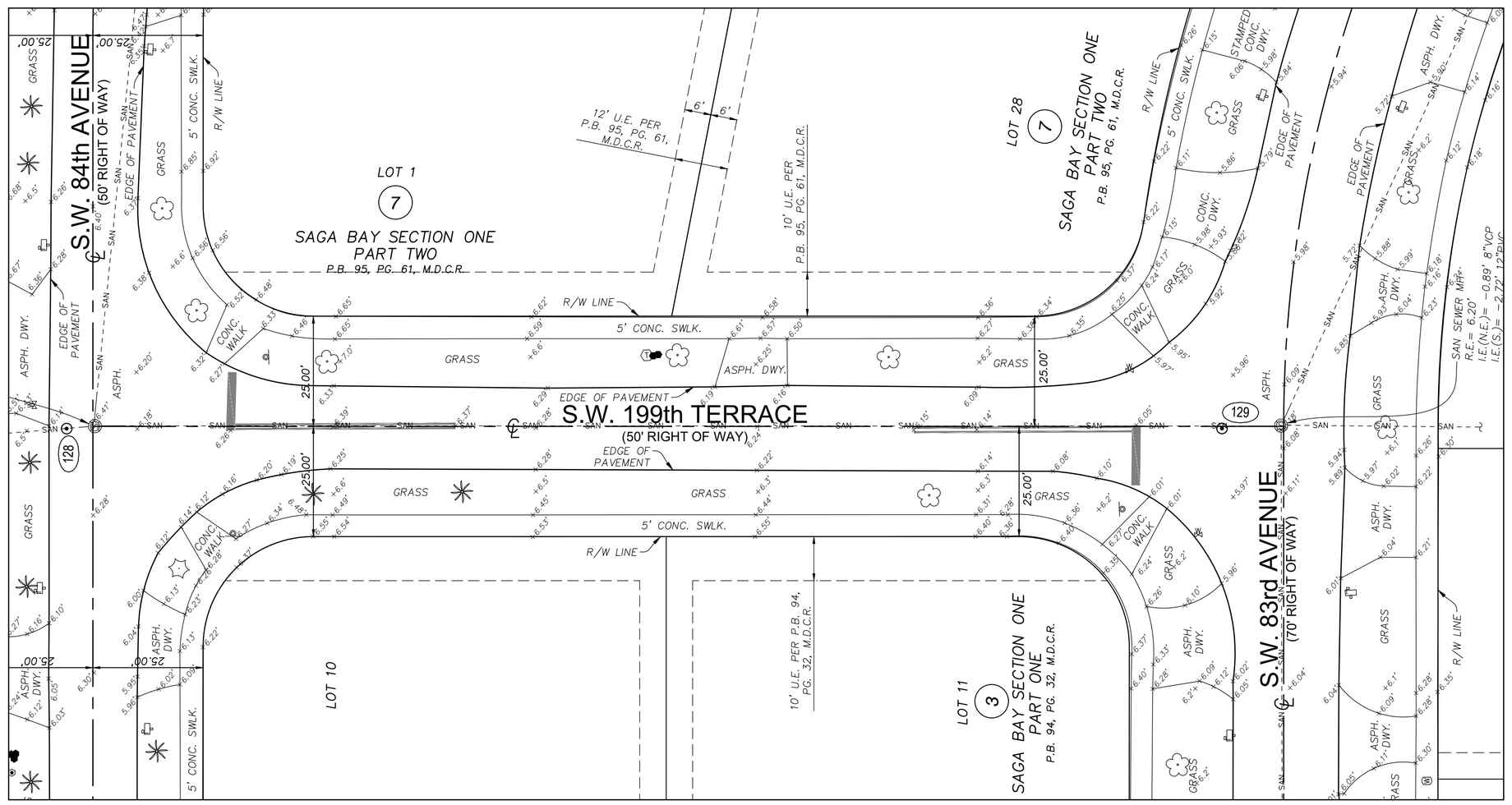
PROJECT
21-9336

SHEET NO.
22 OF 32

Town of Cutler Bay | ITB No. 23-04
Saga Bay Neighborhood Improvements Project
Page 175 of 329

SKETCH OF TOPOGRAPHIC SURVEY





SCALE: 1" = 20'

0 5 10 20 40

GRAPHIC SCALE

THE MATERIAL SHOWN HEREON IS THE PROPERTY OF STONER & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT PERMISSION OF STONER & ASSOCIATES, INC. COPYRIGHT © 2022

NO.	REVISION	DATE	BY :

STONER
SURVEYORS • MAPPERS
Licensed Business No. 6633
4341 S.W. 62nd AVENUE, DAVIE, FLORIDA 33314
TEL (954) 585-0997
www.stonersurveyors.com

SKETCH OF TOPOGRAPHIC SURVEY
SAGA BAY NEIGHBORHOOD
DRAINAGE IMPROVEMENTS
SAGA BAY BASINS 1.1 EAST, 1.1. WEST, 1.5 NORTH, 1.6 AND 1.8
TOWN OF CUTLER BAY, MIAMI-DADE COUNTY, FL

LAST DATE OF FIELD SURVEY:	04.28.2022
DRAWN:	MDLR
CHECKED:	JDS
BOOK/PAGE(S):	1149/8-26, 35
& DATA COLLECTOR	

WALTER DE LA ROCHA
PROFESSIONAL SURVEYOR
AND MAPPER NO. 6081
STATE OF FLORIDA

PROJECT
21-9336

SHEET NO.
23 OF 32

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

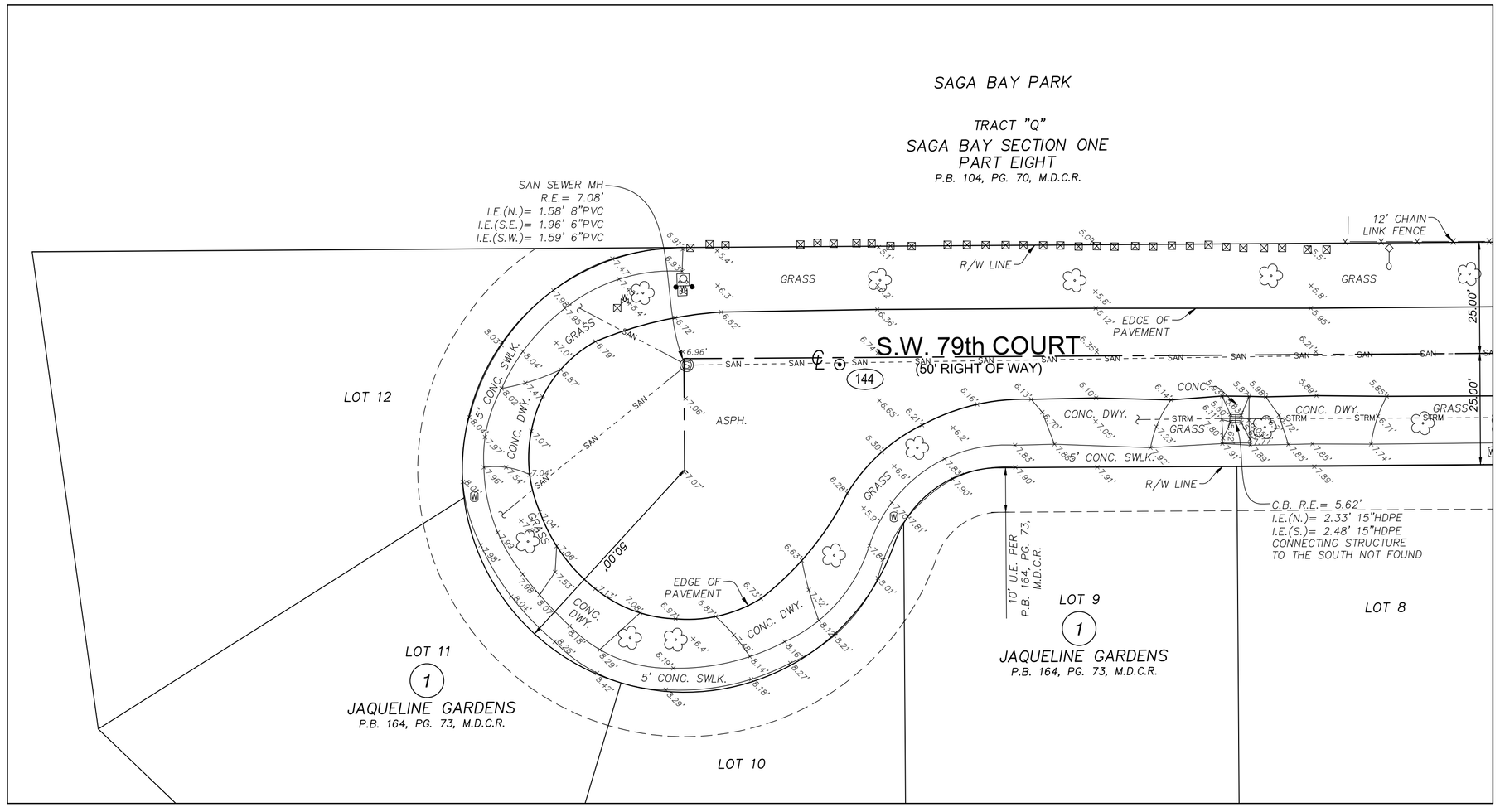
ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD 1929)

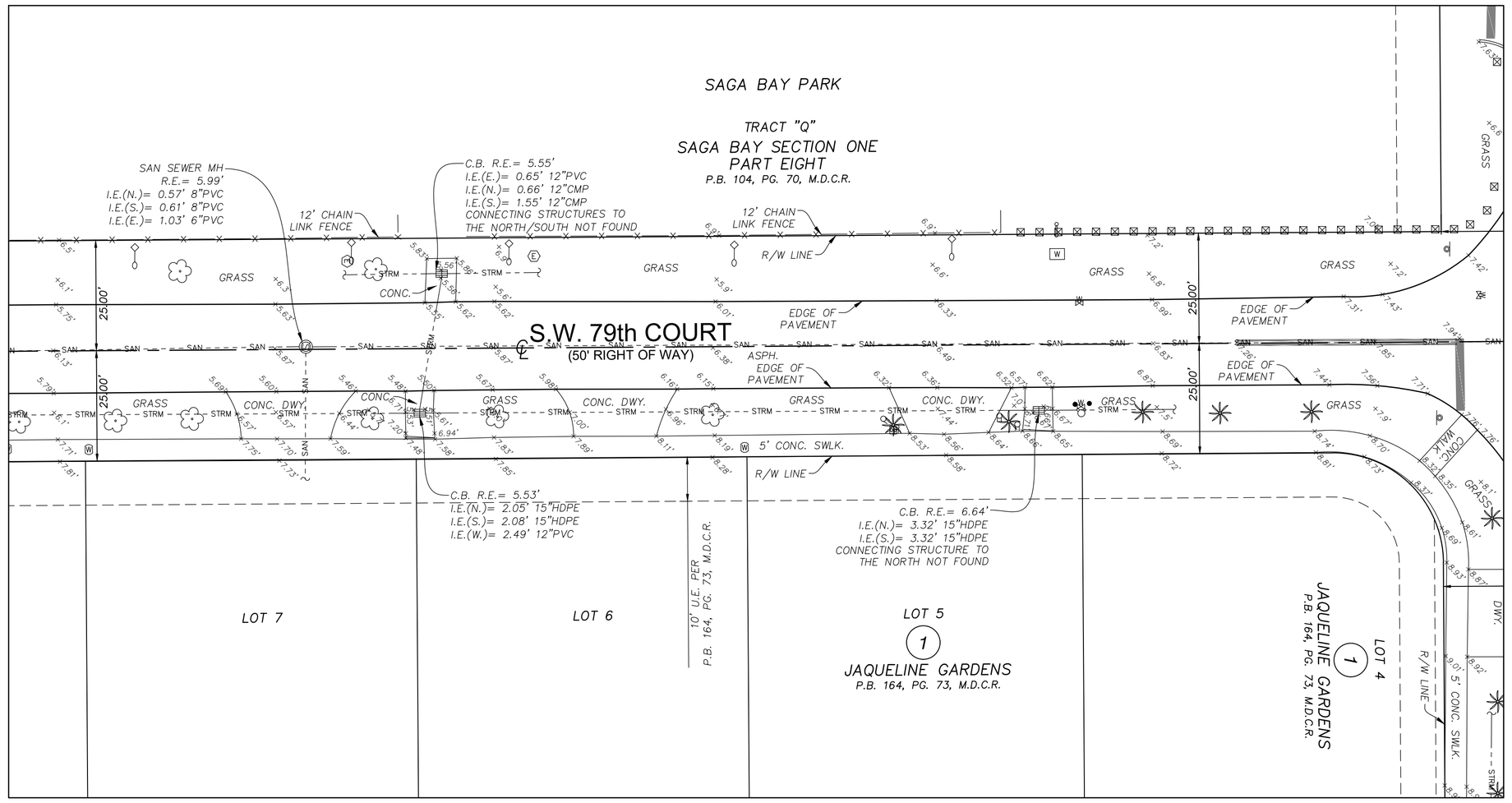
SEE SHEET 1 OF 32 FOR KEY MAP, SURVEY CONTROL POINTS TABLE, LEGEND AND ABBREVIATIONS

Town of Cutler Bay | ITB No. 22-04
Saga Bay Drainage Improvements
Page 178 of 329

DATE: May 31, 2022 – 8:14am EST
FILE: F:\Drow\KIMLEY-HORN\2021\21-9336 Saga Bay Cutler Bay\01-Drowing\21-9336.dwg

SKETCH OF TOPOGRAPHIC SURVEY





SCALE: 1" = 20'

0 5 10 20 40
GRAPHIC SCALE

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD 1929)

SEE SHEET 1 OF 32 FOR KEY MAP, SURVEY CONTROL POINTS TABLE, LEGEND AND ABBREVIATIONS

NO.	REVISION	DATE	BY :

THE MATERIAL SHOWN HEREON IS THE PROPERTY OF STONER & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT PERMISSION OF STONER & ASSOCIATES, INC. COPYRIGHT © 2022

STONER
SURVEYORS • MAPPERS
Licensed Business No. 6633
4341 S.W. 62nd AVENUE, DAVIE, FLORIDA 33314
TEL (954) 585-0997
www.stonersurveyors.com

SKETCH OF TOPOGRAPHIC SURVEY
SAGA BAY NEIGHBORHOOD
DRAINAGE IMPROVEMENTS
SAGA BAY BASINS 1.1 EAST, 1.1. WEST, 1.5 NORTH, 1.6 AND 1.8
TOWN OF CUTLER BAY, MIAMI-DADE COUNTY, FL

LAST DATE OF FIELD SURVEY: 04.28.2022
DRAWN: WDLR
CHECKED: JDS
BOOK/PAGE(S): 1149/8-26, 35

WALTER DE LA ROCHA
PROFESSIONAL SURVEYOR AND MAPPER NO. 6081
STATE OF FLORIDA

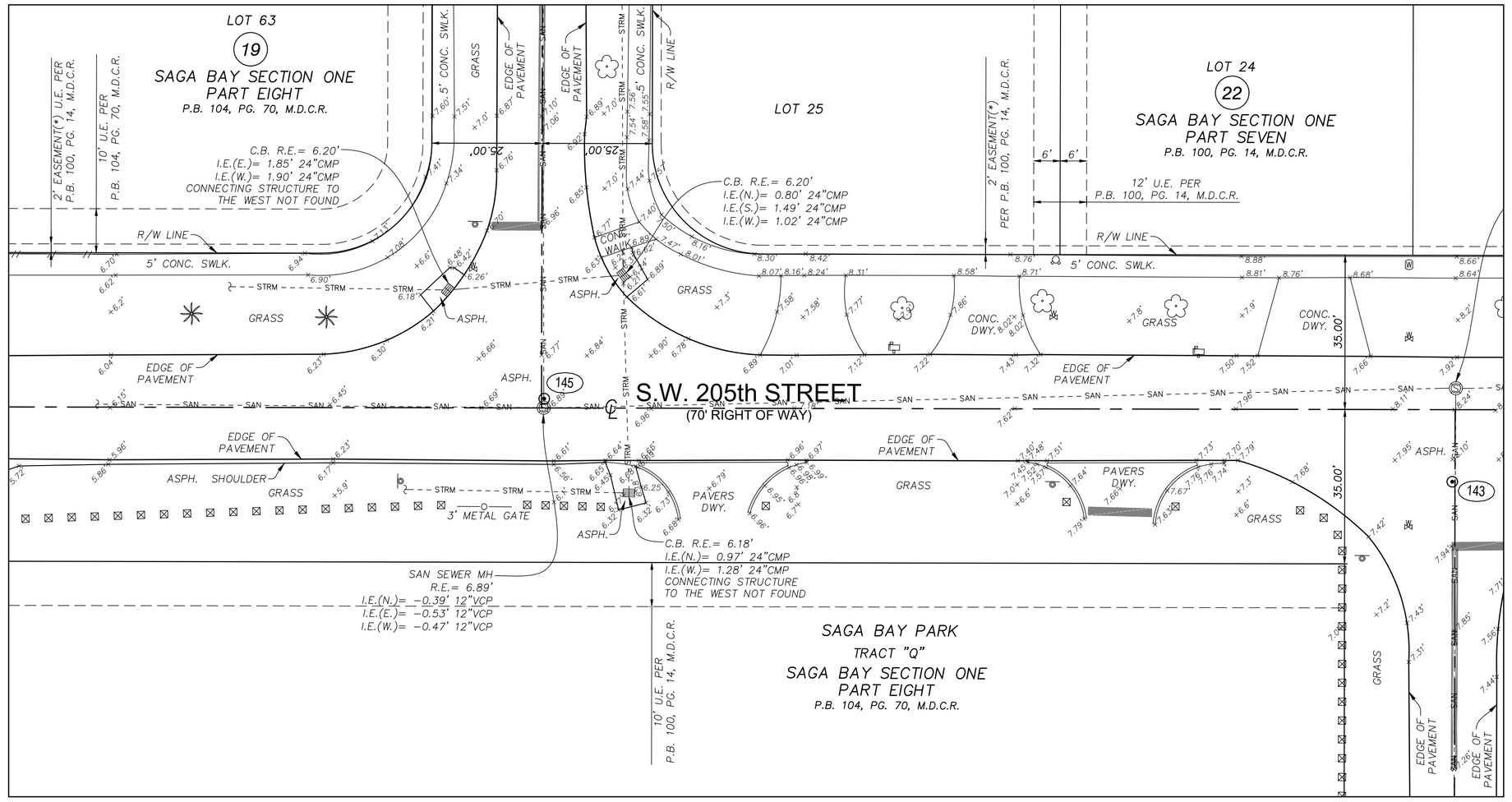
PROJECT
21-9336

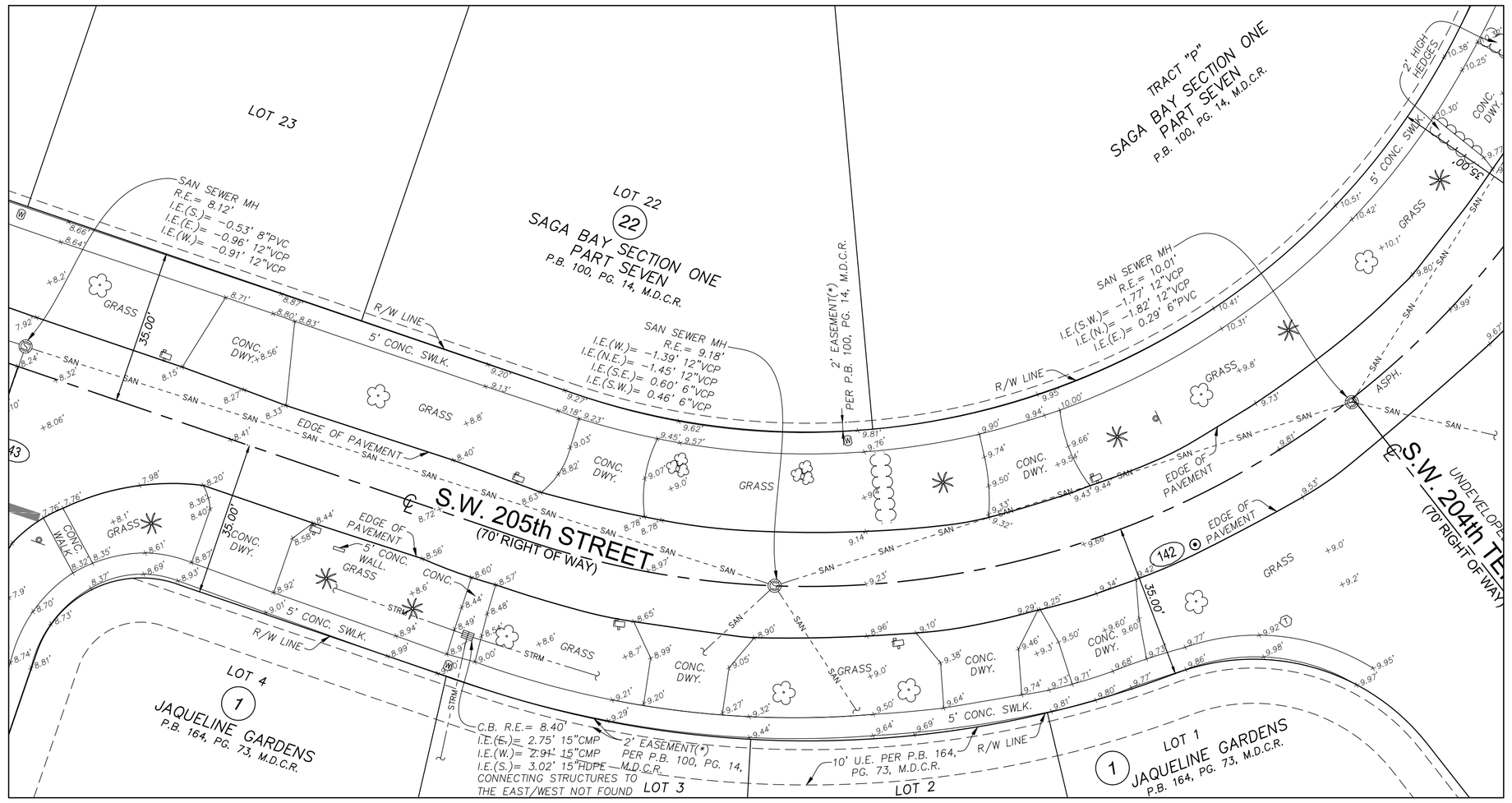
SHEET NO.
24 OF 32

Town of Cutler Bay | ITB No. 25-24
Saga Bay Neighborhood Improvements Project
Page 177 of 329

DATE: May 31, 2022 – 8:14am EST
FILE: F:\Drow\KIMLEY-HORN\2021\21-9336 Saga Bay Cutler Bay\01-Drawing\21-9336.dwg

SKETCH OF TOPOGRAPHIC SURVEY





SCALE: 1" = 20'
0 5 10 20 40
GRAPHIC SCALE

SCALE: 1" = 20'
0 5 10 20 40
GRAPHIC SCALE

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD 1929)

SEE SHEET 1 OF 32 FOR KEY MAP, SURVEY CONTROL POINTS TABLE, LEGEND AND ABBREVIATIONS

NO.	REVISION	DATE	BY :

THE MATERIAL SHOWN HEREON IS THE PROPERTY OF STONER & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT PERMISSION OF STONER & ASSOCIATES, INC. COPYRIGHT © 2022

STONER
SURVEYORS • MAPPERS
Licensed Business No. 6633
4341 S.W. 62nd AVENUE, DAVIE, FLORIDA 33314
TEL (954) 585-0997
www.stonersurveyors.com

SKETCH OF TOPOGRAPHIC SURVEY
SAGA BAY NEIGHBORHOOD
DRAINAGE IMPROVEMENTS
SAGA BAY BASINS 1.1 EAST, 1.1. WEST, 1.5 NORTH, 1.6 AND 1.8
TOWN OF CUTLER BAY, MIAMI-DADE COUNTY, FL

LAST DATE OF FIELD SURVEY:	04.28.2022
DRAWN:	WDLR
CHECKED:	JDS
BOOK/PAGE(S):	1149/8-26, 35

WALTER DE LA ROCHA
PROFESSIONAL SURVEYOR
AND MAPPER NO. 6081
STATE OF FLORIDA

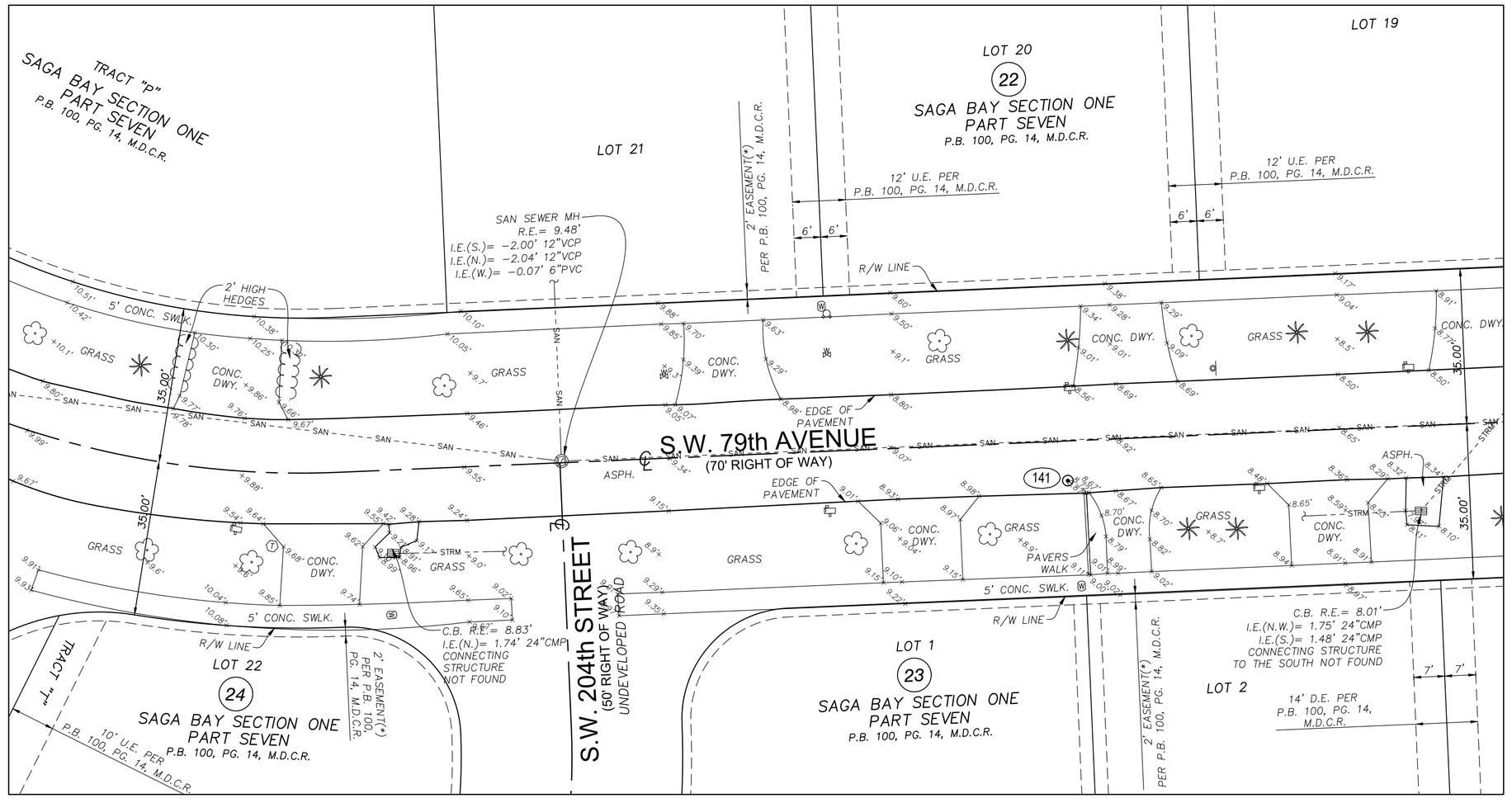
PROJECT
21-9336

SHEET NO.
25 OF 32

DATE: May 31, 2022 – 8:14am EST
FILE: F:\Drow\KIMLEY-HORN\2021\21-9336 Saga Bay Cutler Bay\01-Drawing\21-9336.dwg

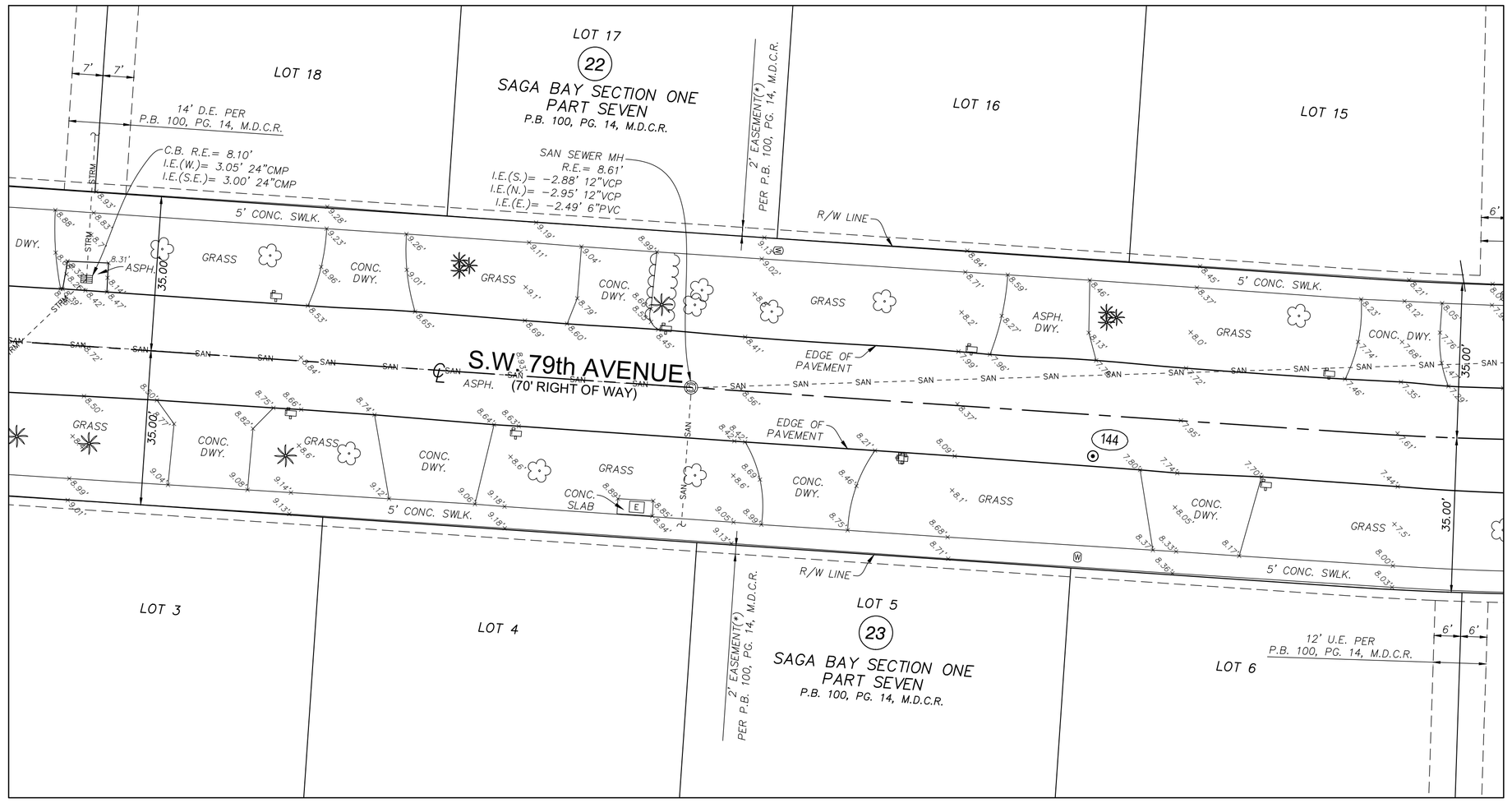
Town of Cutler Bay | ITB No. 23-04
Saga Bay Neighborhood Drainage Improvements Project
Page 178 of 329

SKETCH OF TOPOGRAPHIC SURVEY



SCALE: 1" = 20'

0 5 10 20 40
GRAPHIC SCALE



SCALE: 1" = 20'

0 5 10 20 40
GRAPHIC SCALE

SEE SHEET 1 OF 32 FOR KEY MAP, SURVEY CONTROL POINTS TABLE, LEGEND AND ABBREVIATIONS

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD 1929)

NO.	REVISION	DATE	BY :

THE MATERIAL SHOWN HEREON IS THE PROPERTY OF STONER & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT PERMISSION OF STONER & ASSOCIATES, INC. COPYRIGHT © 2022

STONER
SURVEYORS • MAPPERS
Licensed Business No. 6633
4341 S.W. 62nd AVENUE, DAVIE, FLORIDA 33314
TEL (954) 585-0997
www.stonersurveyors.com

SKETCH OF TOPOGRAPHIC SURVEY
SAGA BAY NEIGHBORHOOD
DRAINAGE IMPROVEMENTS
SAGA BAY BASINS 1.1 EAST, 1.1. WEST, 1.5 NORTH, 1.6 AND 1.8
TOWN OF CUTLER BAY, MIAMI-DADE COUNTY, FL

LAST DATE OF FIELD SURVEY:	04.28.2022
DRAWN:	WDLR
CHECKED:	JDS
BOOK/PAGE(S):	1149/8–26, 35

WALTER DE LA ROCHA
PROFESSIONAL SURVEYOR
AND MAPPER NO. 6081
STATE OF FLORIDA

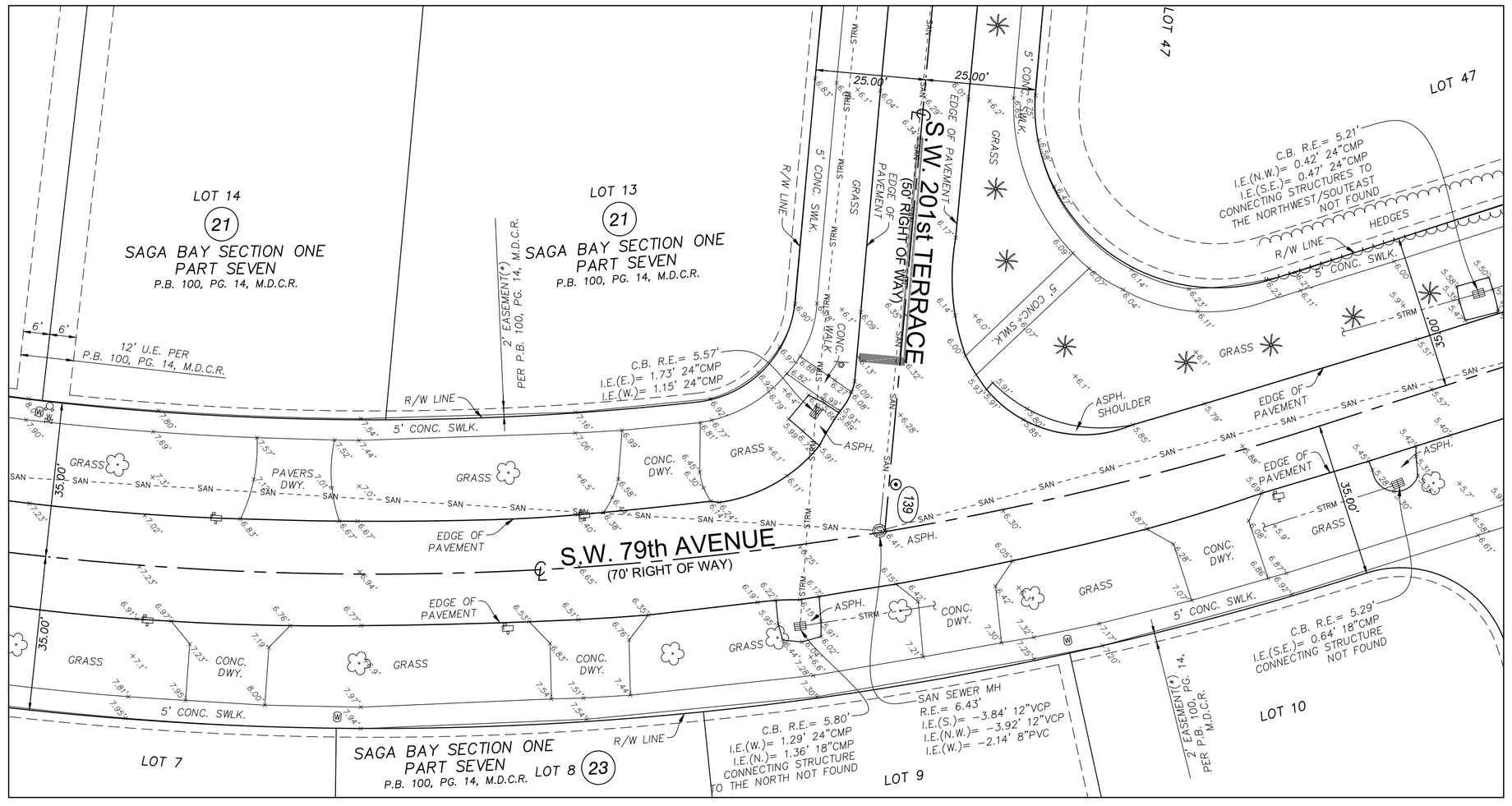
PROJECT
21-9336

SHEET NO.
26 OF 32

DATE: May 31, 2022 – 8:14am EST
FILE: F:\Drow\WMLEY-HORN\2021\21-9336 Saga Bay Cutler Bay\01-Drowing\21-9336.dwg

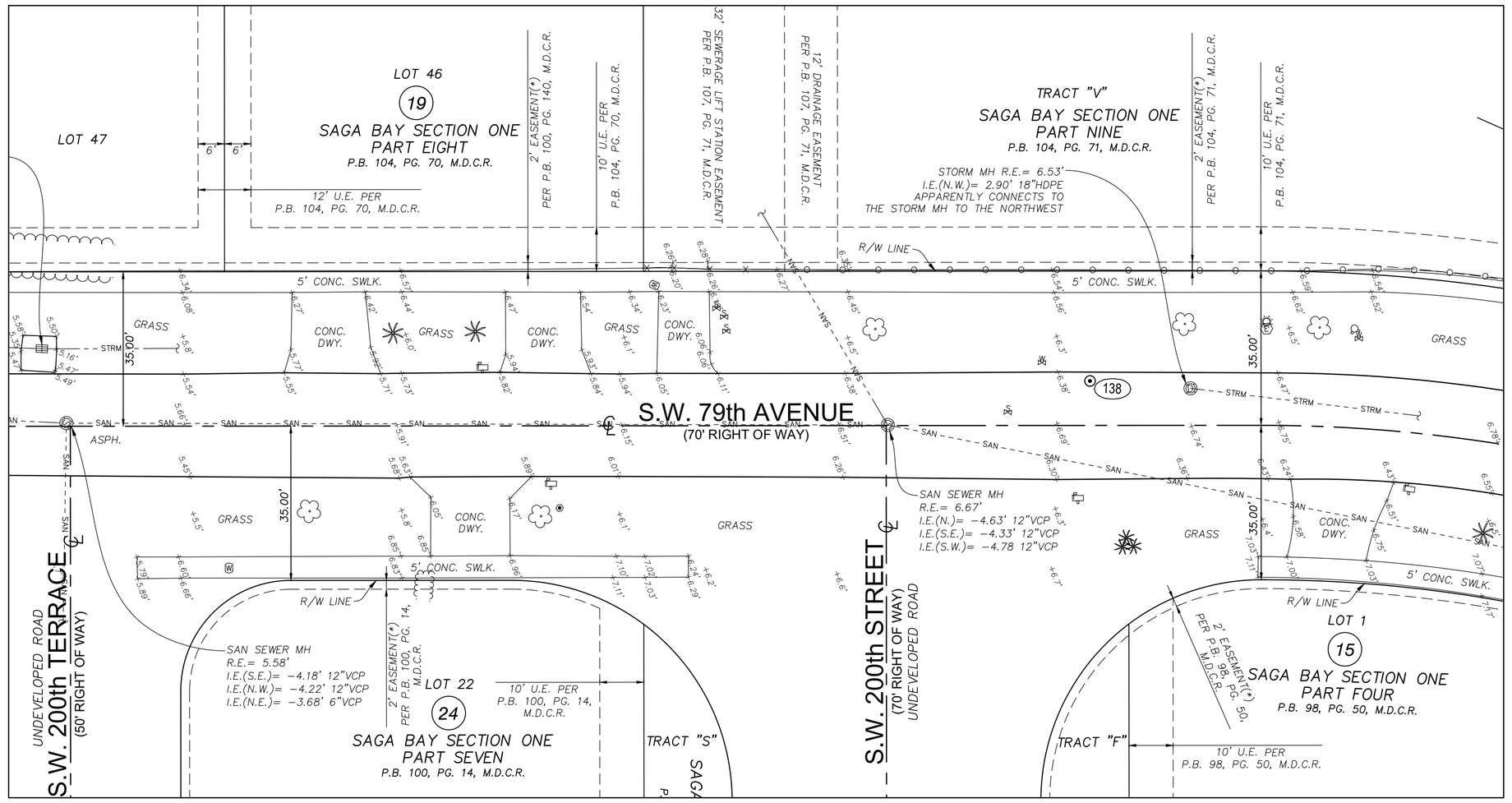
Town of Cutler Bay | ITB No. 25-04
Single Bay Basin Improvements Project
Page 179 of 329

SKETCH OF TOPOGRAPHIC SURVEY



SCALE: 1" = 20'

0 5 10 20 40
GRAPHIC SCALE



SCALE: 1" = 20'

0 5 10 20 40
GRAPHIC SCALE

SEE SHEET 1 OF 32 FOR KEY MAP, SURVEY CONTROL POINTS TABLE, LEGEND AND ABBREVIATIONS

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD 1929)

NO.	REVISION	DATE	BY :

THE MATERIAL SHOWN HEREON IS THE PROPERTY OF STONER & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT PERMISSION OF STONER & ASSOCIATES, INC. COPYRIGHT © 2022

STONER
SURVEYORS • MAPPERS
Licensed Business No. 6633
4341 S.W. 62nd AVENUE, DAVIE, FLORIDA 33314
TEL (954) 585-0997
www.stonersurveyors.com

SKETCH OF TOPOGRAPHIC SURVEY
SAGA BAY NEIGHBORHOOD
DRAINAGE IMPROVEMENTS
SAGA BAY BASINS 1.1 EAST, 1.1. WEST, 1.5 NORTH, 1.6 AND 1.8
TOWN OF CUTLER BAY, MIAMI-DADE COUNTY, FL

LAST DATE OF FIELD SURVEY:	04.28.2022
DRAWN:	WDLR
CHECKED:	JDS
BOOK/PAGE(S):	1149/8–26, 35

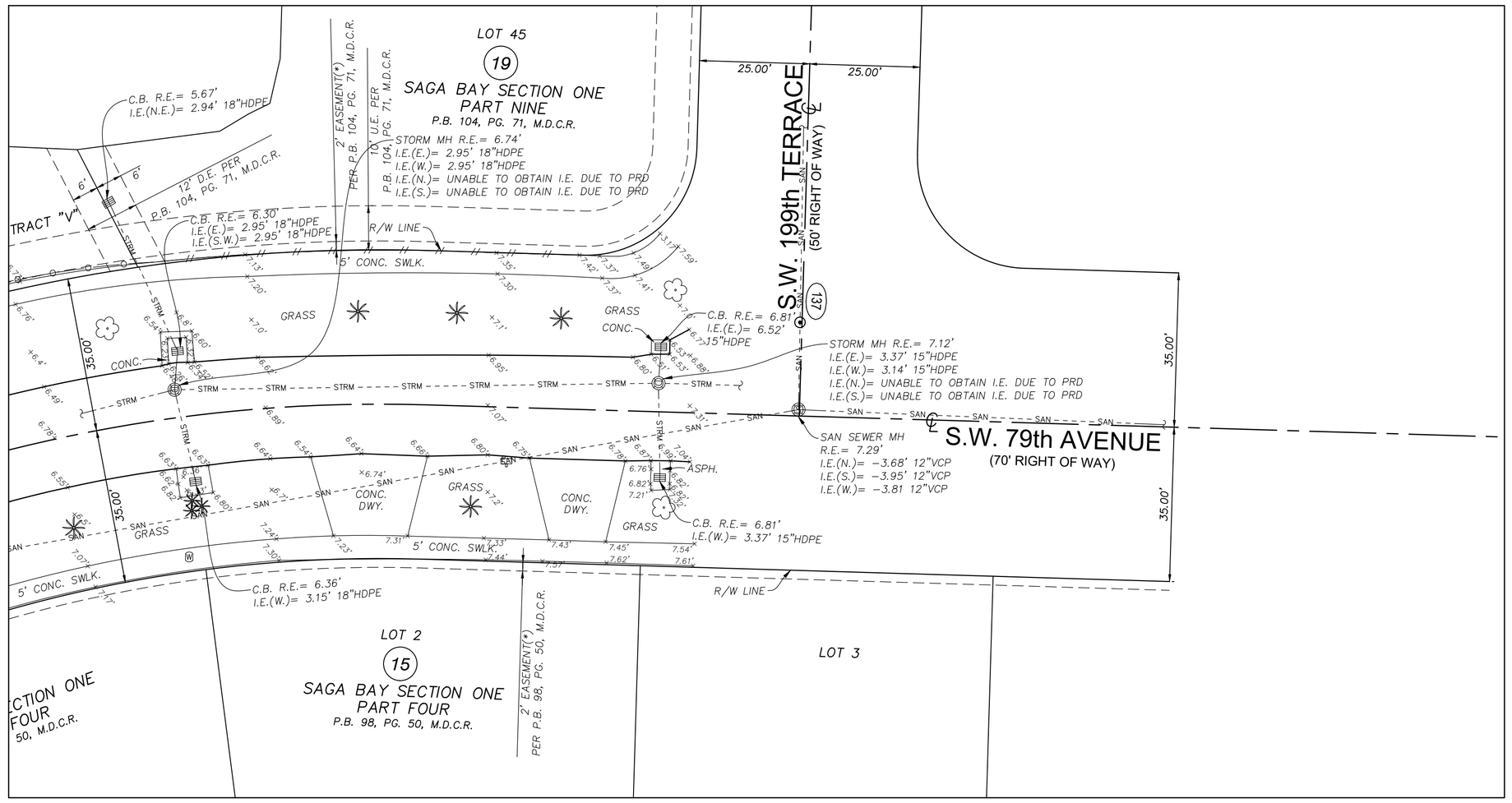
WALTER DE LA ROCHA
PROFESSIONAL SURVEYOR AND MAPPER NO. 6081
STATE OF FLORIDA

PROJECT
21-9336

SHEET NO.
27 OF 32

DATE: May 31, 2022 – 8:14am EST
FILE: F:\Drow\KIMLEY-HORN\2021\21-9336 Saga Bay Cutler Bay\01-Drawing\21-9336.dwg

SKETCH OF TOPOGRAPHIC SURVEY



SCALE: 1" = 20'

0 5 10 20 40

GRAPHIC SCALE

SCALE: 1" = 20'

0 5 10 20 40

GRAPHIC SCALE

SEE SHEET 1 OF 32 FOR KEY MAP, SURVEY CONTROL POINTS TABLE, LEGEND AND ABBREVIATIONS

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD 1929)

NO.	REVISION	DATE	BY :

THE MATERIAL SHOWN HEREON IS THE PROPERTY OF STONER & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT PERMISSION OF STONER & ASSOCIATES, INC. COPYRIGHT © 2022

TEL (954) 585-0997
www.stonersurveyors.com

STONER
SURVEYORS • MAPPERS
Licensed Business No. 6633
4341 S.W. 62nd AVENUE, DAVIE, FLORIDA 33314

SKETCH OF TOPOGRAPHIC SURVEY
SAGA BAY NEIGHBORHOOD
DRAINAGE IMPROVEMENTS
SAGA BAY BASINS 1.1 EAST, 1.1, WEST, 1.5 NORTH, 1.6 AND 1.8
TOWN OF CUTLER BAY, MIAMI-DADE COUNTY, FL

LAST DATE OF FIELD SURVEY	DRAWN: WDLR	CHECKED: JDS	BOOK/PAGE(S): 1149/8-26, 35
04.28.2022			

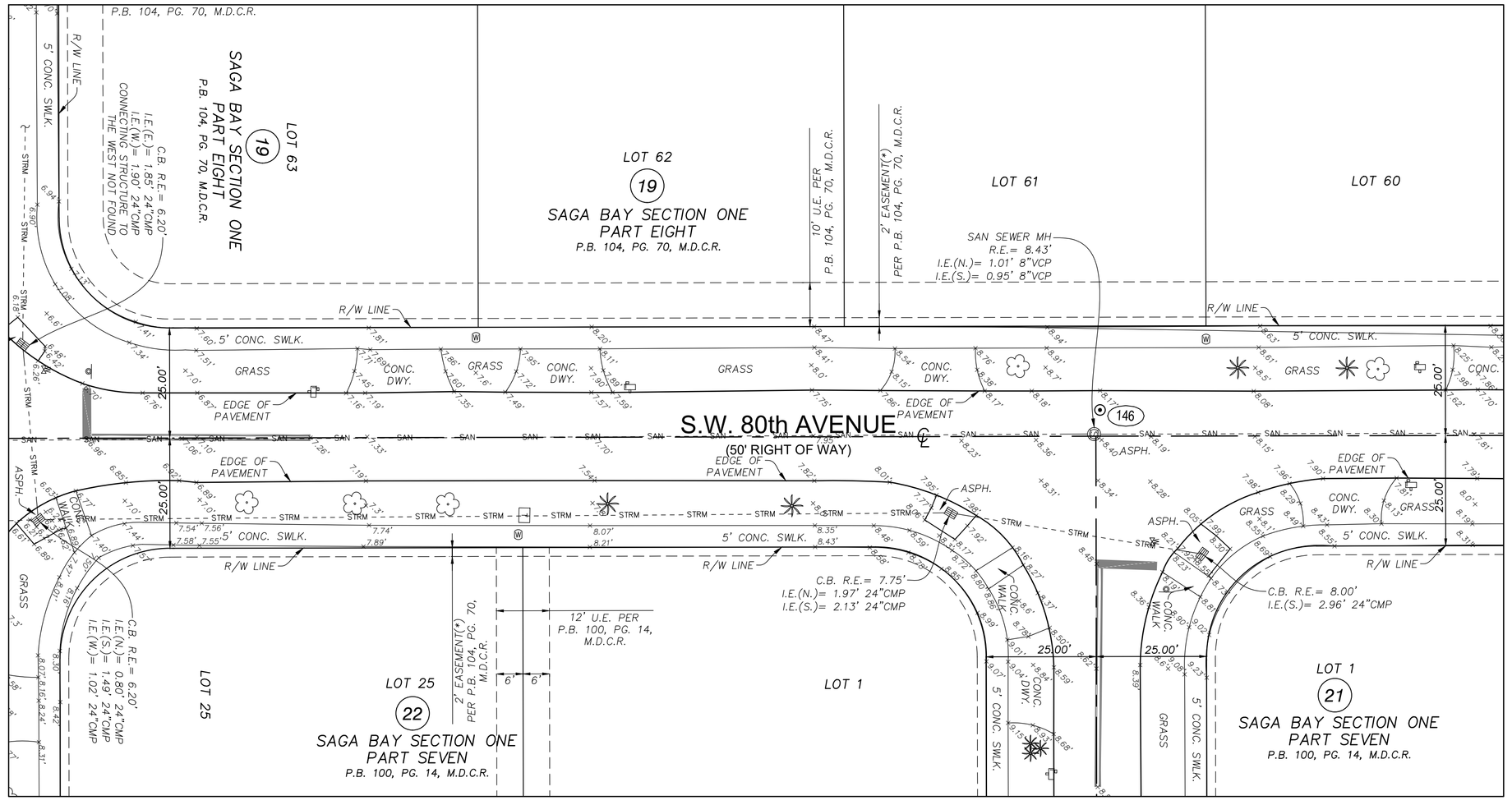
WALTER DE LA ROCHA
PROFESSIONAL SURVEYOR
AND MAPPER NO. 6081
STATE OF FLORIDA

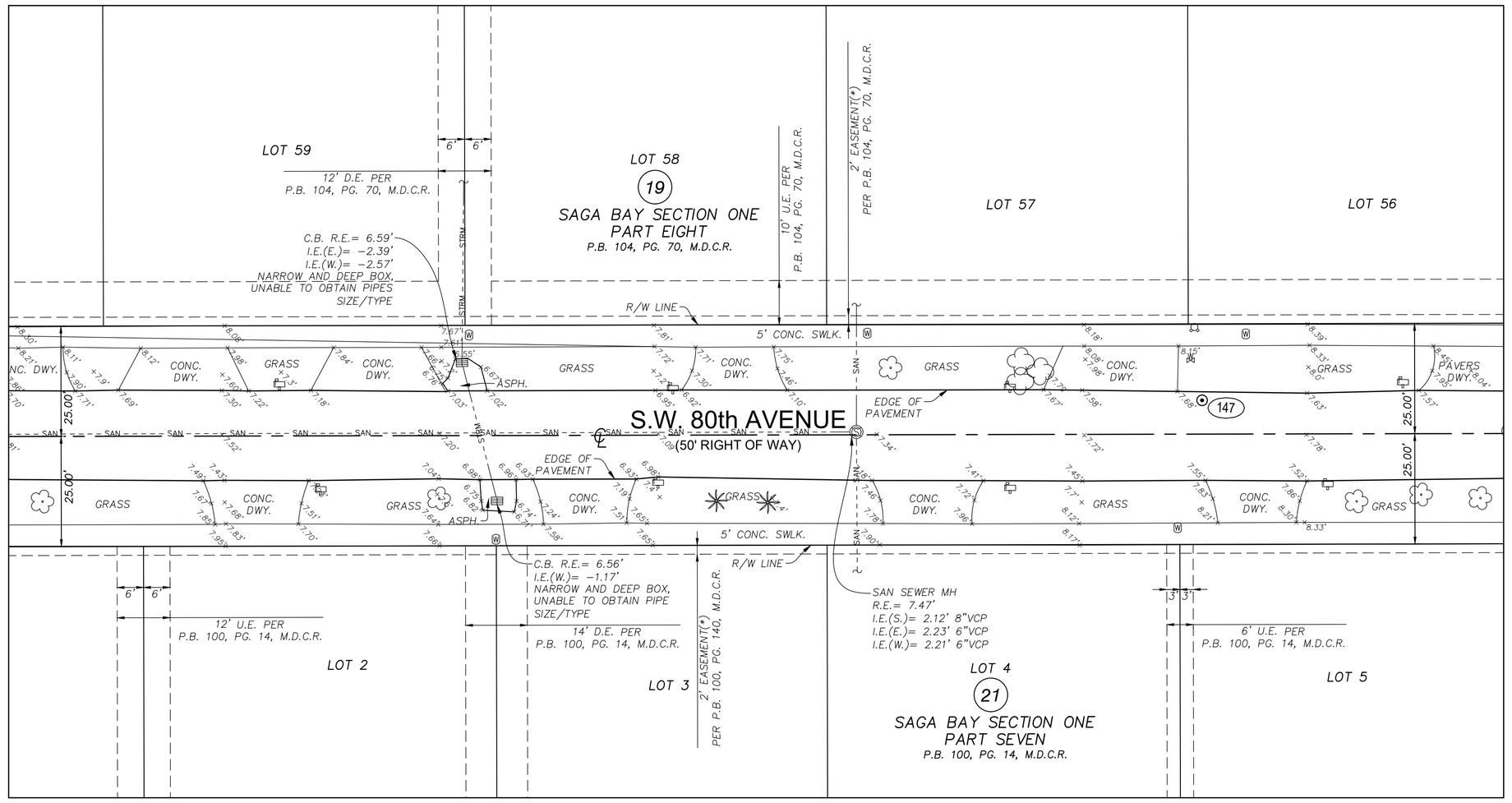
PROJECT
21-9336

SHEET NO.
28 OF 32

Town of Cutler Bay | ITB No. 25-04
Saga Bay Drainage Improvements Project
Page 181 of 329

SKETCH OF TOPOGRAPHIC SURVEY





SCALE: 1" = 20'

0 5 10 20 40
GRAPHIC SCALE

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD 1929)

SEE SHEET 1 OF 32 FOR KEY MAP, SURVEY CONTROL POINTS TABLE, LEGEND AND ABBREVIATIONS

NO.	REVISION	DATE	BY :

THE MATERIAL SHOWN HEREON IS THE PROPERTY OF STONER & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT PERMISSION OF STONER & ASSOCIATES, INC. COPYRIGHT © 2022

STONER
SURVEYORS • MAPPERS
Licensed Business No. 6633
4341 S.W. 62nd AVENUE, DAVIE, FLORIDA 33314
TEL (954) 585-0997
www.stonersurveyors.com

SKETCH OF TOPOGRAPHIC SURVEY
SAGA BAY NEIGHBORHOOD
DRAINAGE IMPROVEMENTS
SAGA BAY BASINS 1.1 EAST, 1.1. WEST, 1.5 NORTH, 1.6 AND 1.8
TOWN OF CUTLER BAY, MIAMI-DADE COUNTY, FL

LAST DATE OF FIELD SURVEY:	04.28.2022
DRAWN:	WDLR
CHECKED:	JDS
BOOK/PAGE(S):	1149/8-26, 35

WALTER DE LA ROCHA
PROFESSIONAL SURVEYOR AND MAPPER NO. 6081
STATE OF FLORIDA

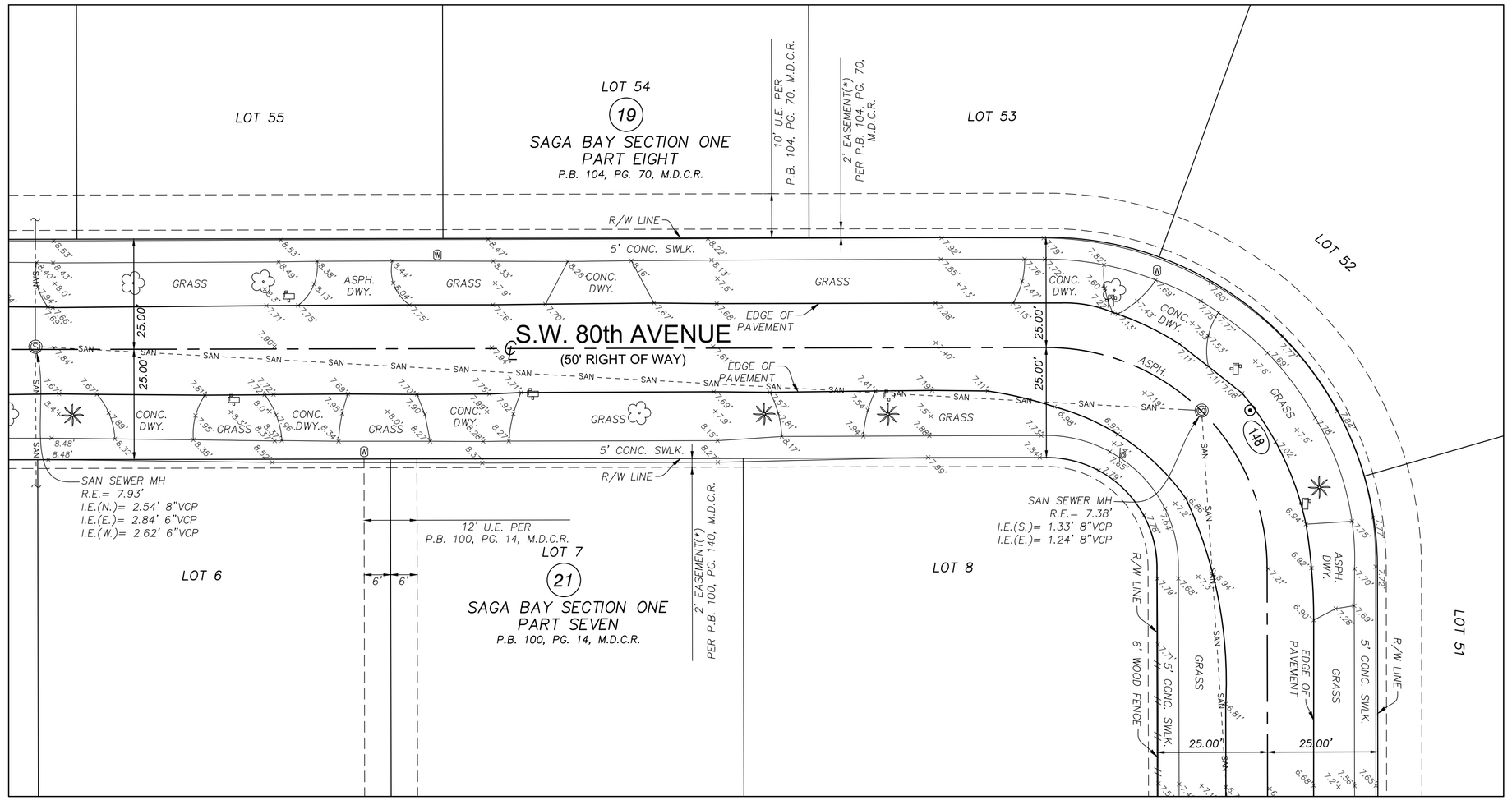
PROJECT
21-9336

SHEET NO.
29 OF 32

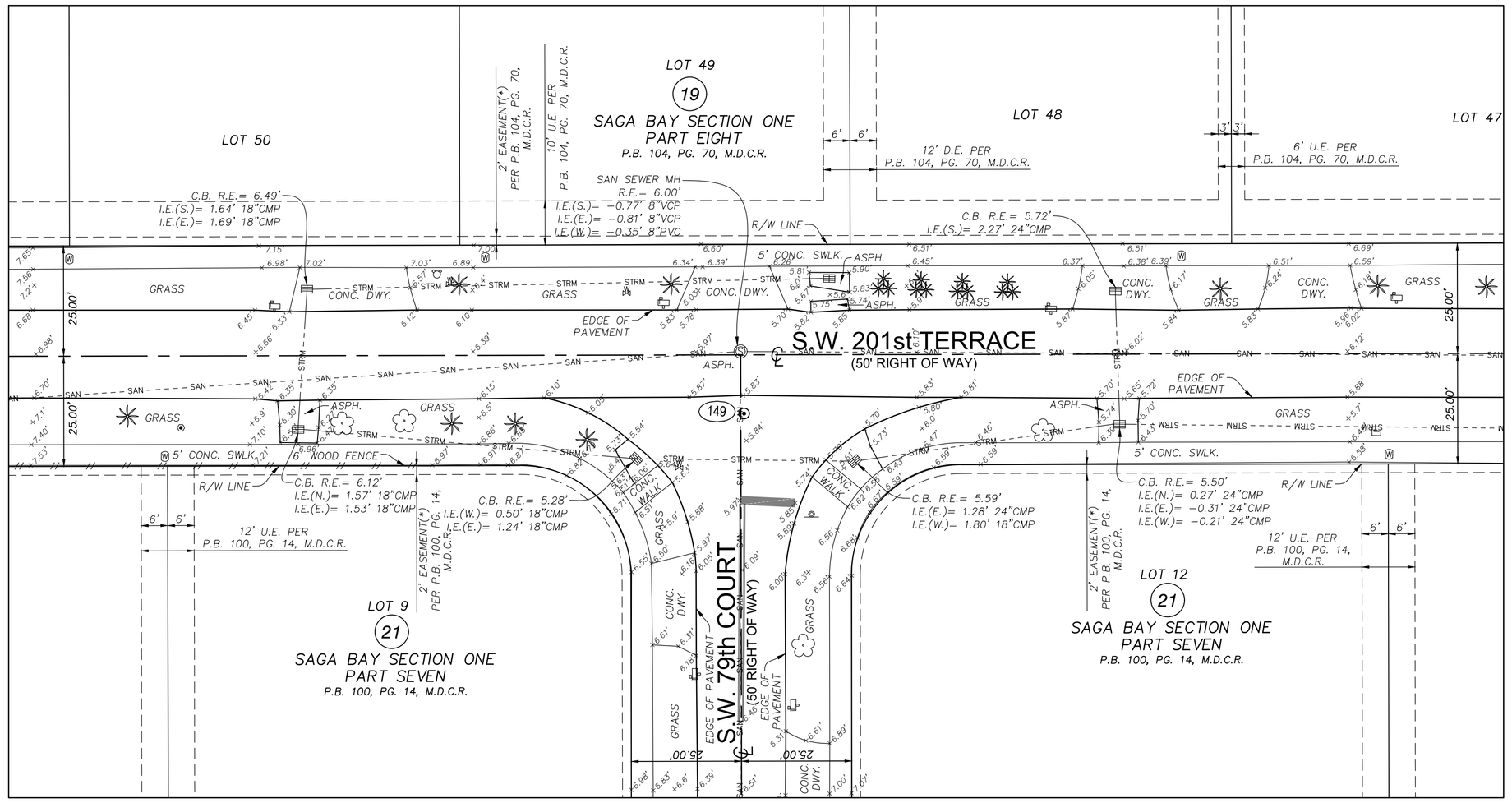
DATE: May 31, 2022 - 8:14am EST
FILE: F:\Drow\KIMLEY-HORN\2021\21-9336 Saga Bay Cutler Bay\01-Drawing\21-9336.dwg

Town of Cutler Bay | ITB No. 23-04
Saga Bay Basins Drainage Improvements Project
Page 182 of 329

SKETCH OF TOPOGRAPHIC SURVEY



SCALE: 1" = 20'
0 5 10 20 40
GRAPHIC SCALE



SCALE: 1" = 20'
0 5 10 20 40
GRAPHIC SCALE

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD 1929)

SEE SHEET 1 OF 32 FOR KEY MAP, SURVEY CONTROL POINTS TABLE, LEGEND AND ABBREVIATIONS

NO.	REVISION	DATE	BY :

THE MATERIAL SHOWN HEREON IS THE PROPERTY OF STONER & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT PERMISSION OF STONER & ASSOCIATES, INC. COPYRIGHT © 2022

STONER
SURVEYORS • MAPPERS
Licensed Business No. 6633
4341 S.W. 62nd AVENUE, DAVIE, FLORIDA 33314
TEL (954) 585-0997
www.stonersurveyors.com

SKETCH OF TOPOGRAPHIC SURVEY
SAGA BAY NEIGHBORHOOD
DRAINAGE IMPROVEMENTS
SAGA BAY BASINS 1.1 EAST, 1.1. WEST, 1.5 NORTH, 1.6 AND 1.8
TOWN OF CUTLER BAY, MIAMI-DADE COUNTY, FL

LAST DATE OF FIELD SURVEY: 04.28.2022
DRAWN: WDLR
CHECKED: JDS
BOOK/PAGE(S): 1149/8-26, 35

WALTER DE LA ROCHA
PROFESSIONAL SURVEYOR AND MAPPER NO. 6081
STATE OF FLORIDA

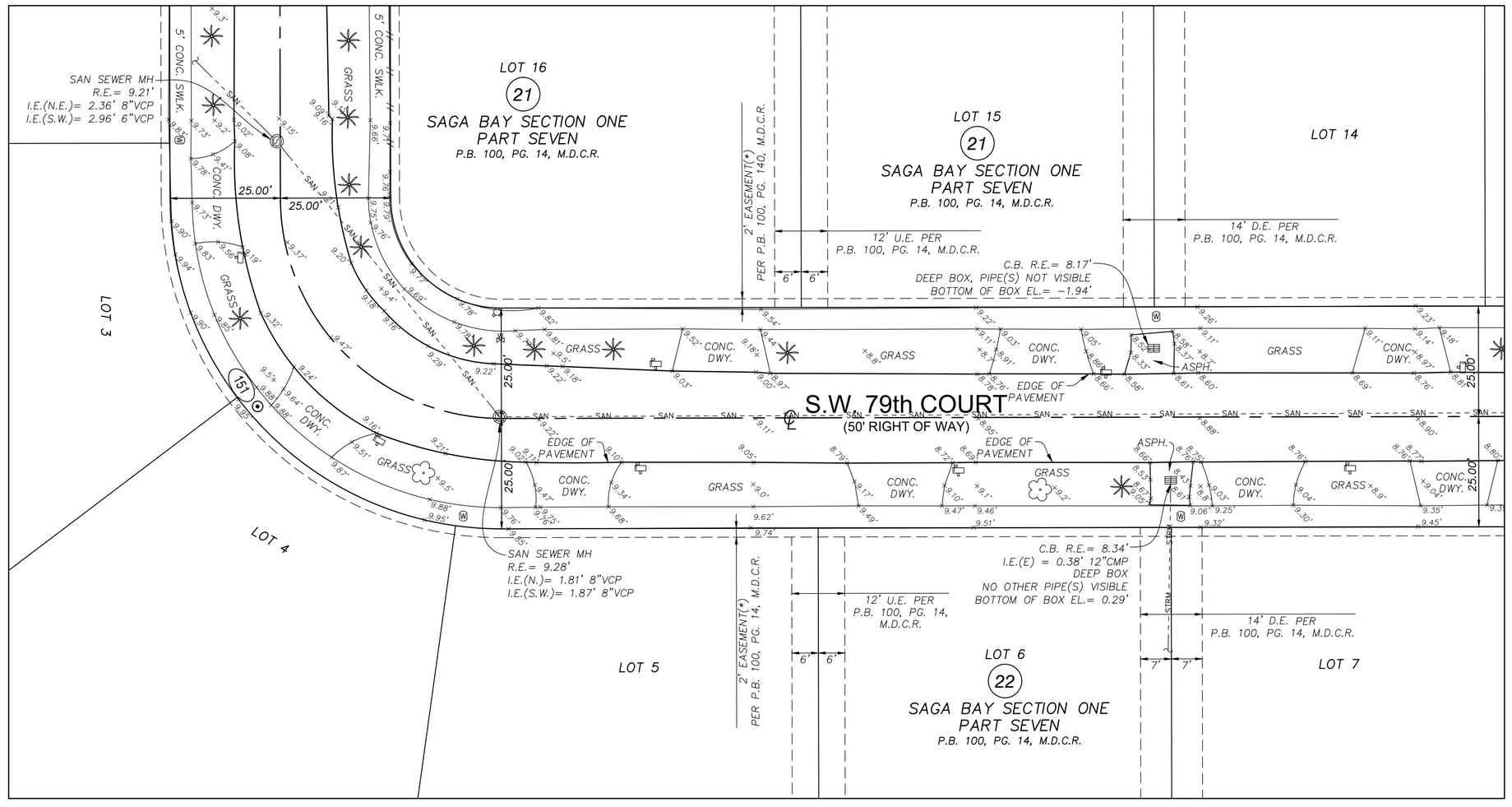
PROJECT
21-9336

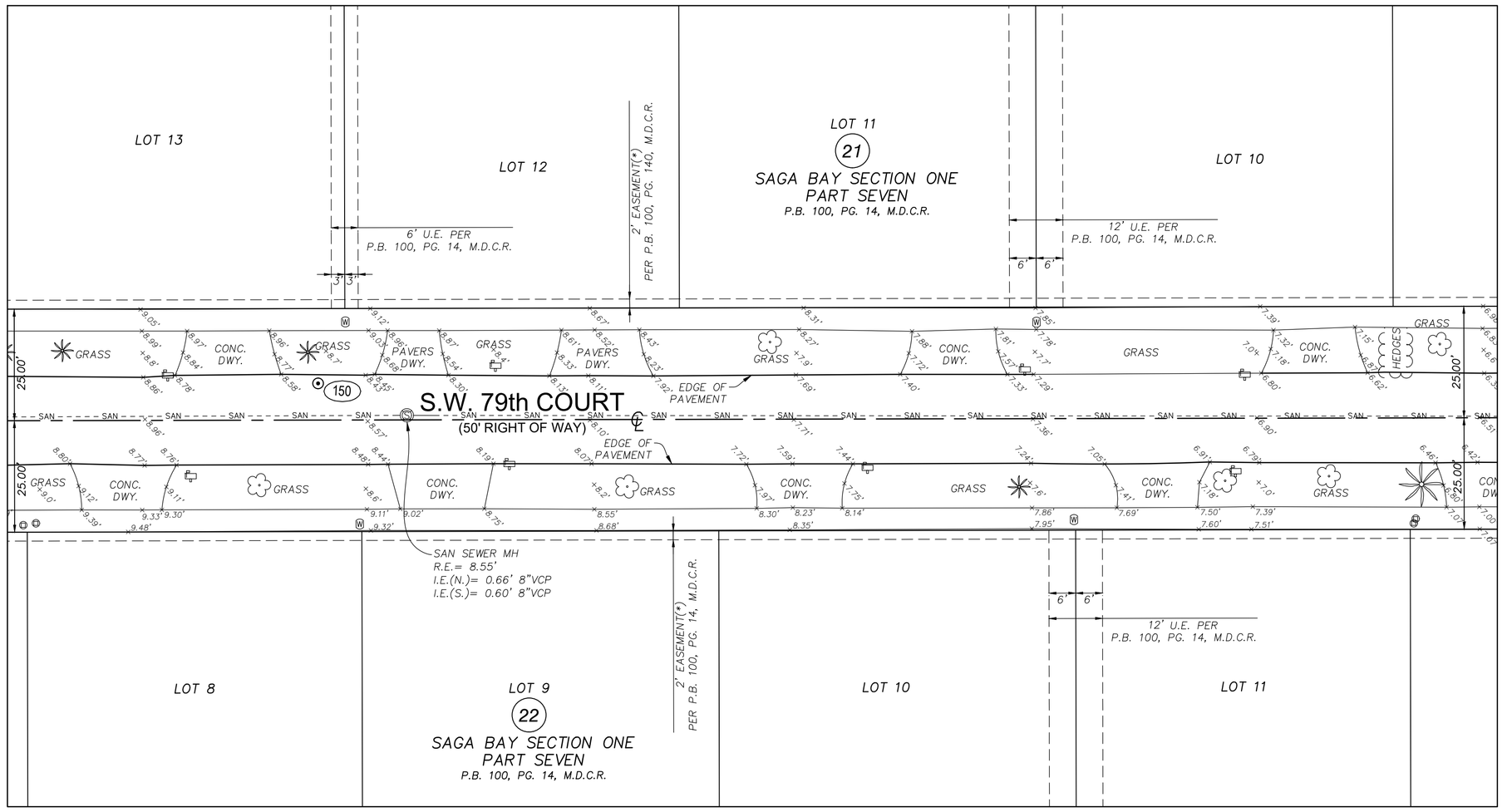
SHEET NO.
30 OF 32

Town of Cutler Bay | ITB No. 23-04
Saga Bay Neighborhood Drainage Improvements Project
Page 183 of 329

DATE: May 31, 2022 - 8:14am EST
FILE: F:\Drow\WMLEY-HORN\2021\21-9336 Saga Bay Cutler Bay\01-Drowing\21-9336.dwg

SKETCH OF TOPOGRAPHIC SURVEY





SCALE: 1" = 20'

0 5 10 20 40
GRAPHIC SCALE

NO.	REVISION	DATE	BY :

THE MATERIAL SHOWN HEREON IS THE PROPERTY OF STONER & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT PERMISSION OF STONER & ASSOCIATES, INC. COPYRIGHT © 2022

STONER
SURVEYORS • MAPPERS
Licensed Business No. 6633
4341 S.W. 62nd AVENUE, DAVIE, FLORIDA 33314
TEL (954) 585-0997
www.stonersurveyors.com

SKETCH OF TOPOGRAPHIC SURVEY
SAGA BAY NEIGHBORHOOD
DRAINAGE IMPROVEMENTS
SAGA BAY BASINS 1.1 EAST, 1.1. WEST, 1.5 NORTH, 1.6 AND 1.8
TOWN OF CUTLER BAY, MIAMI-DADE COUNTY, FL

LAST DATE OF FIELD SURVEY: 04.28.2022
DRAWN: WDLR
CHECKED: JDS
BOOK/PAGE(S): 1149/8-26, 35

WALTER DE LA ROCHA
PROFESSIONAL SURVEYOR
AND MAPPER NO. 6081
STATE OF FLORIDA

PROJECT
21-9336

SHEET NO.
31 OF 32

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

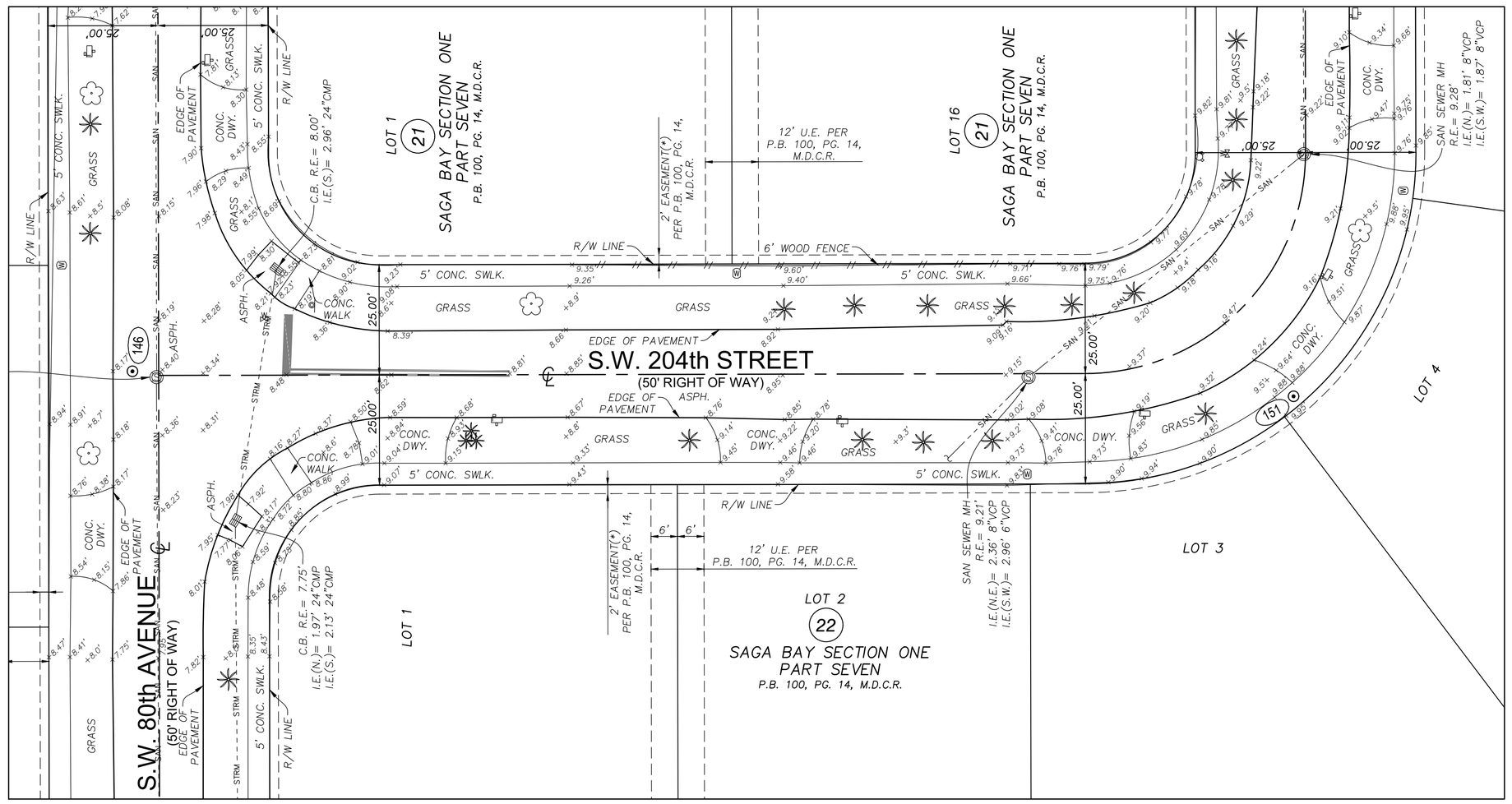
ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD 1929)

SEE SHEET 1 OF 32 FOR KEY MAP, SURVEY CONTROL POINTS TABLE, LEGEND AND ABBREVIATIONS

Town of Cutler Bay | ITB No. 23-04
Saga Bay Drainage Improvements Project
Page 184 of 329

DATE: May 31, 2022 – 8:14am EST
FILE: F:\Drow\KIMLEY-HORN\2021\21-9336 Saga Bay Cutler Bay\01-Drawing\21-9336.dwg

SKETCH OF TOPOGRAPHIC SURVEY



SCALE: 1" = 20'

GRAPHIC SCALE 0 5 10 20 40

NO.	REVISION	DATE	BY :

THE MATERIAL SHOWN HEREON IS THE PROPERTY OF STONER & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT PERMISSION OF STONER & ASSOCIATES, INC. COPYRIGHT © 2022

TEL (954) 585-0997
www.stonersurveyors.com

STONER
SURVEYORS • MAPPERS
Licensed Business No. 6633
4341 S.W. 62nd AVENUE, DAVIE, FLORIDA 33314

SKETCH OF TOPOGRAPHIC SURVEY
SAGA BAY NEIGHBORHOOD
DRAINAGE IMPROVEMENTS
SAGA BAY BASINS 1.1 EAST, 1.1 WEST, 1.5 NORTH, 1.6 AND 1.8
TOWN OF CUTLER BAY, MIAMI-DADE COUNTY, FL

LAST DATE OF FIELD SURVEY: 04.28.2022
DRAWN: WDLR
CHECKED: JDS
BOOK/PAGE(S): 1149/8-26, 35

WALTER DE LA ROCHA
PROFESSIONAL SURVEYOR AND MAPPER NO. 6081
STATE OF FLORIDA

PROJECT
21-9336

SHEET NO.
32 OF 32

SEE SHEET 1 OF 32 FOR KEY MAP, SURVEY CONTROL POINTS TABLE, LEGEND AND ABBREVIATIONS

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD 1929)

DATE: May 31, 2022 - 8:14am EST
FILE: F:\Drawing\KIMLEY-HORN\2021\21-9336 Saga Bay Cutler Bay\01-Drawing\21-9336.dwg

Town of Cutler Bay | ITB No. 25-04
Saga Bay Drainage Improvements Project
Page 185 of 329

APPENDIX "C"

PROJECT PLANS

Prepared by Kimley-Horn and Associates, Inc.

Saga Bay North (Phase I)

SAGA BAY DRAINAGE IMPROVEMENTS

PREPARED FOR:

TOWN OF CUTLER BAY

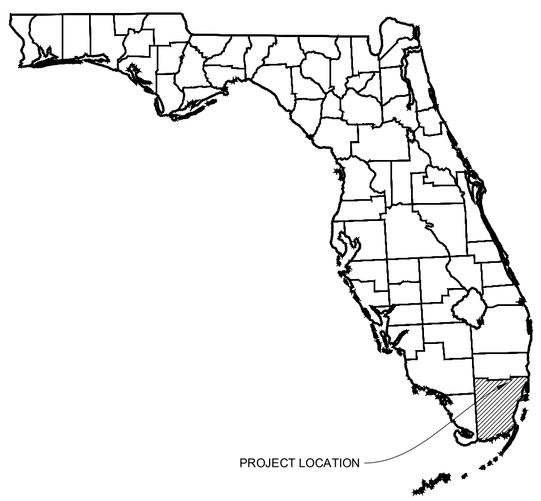
LOCATION:

SAGA BAY NEIGHBORHOODS

CUTLER BAY, FLORIDA

SECTION 10, TOWNSHIP 56S, RANGE 40E

NORTH



PROJECT TEAM

OWNER:
TOWN OF CUTLER BAY
10720 CARIBBEAN BLVD. SUITE 105
CUTLER BAY, FL 33189
(305) 234-4262

CIVIL ENGINEER:
KIMLEY-HORN & ASSOCIATES
TIFFANY STANTON, P.E.
8201 PETERS ROAD, SUITE 2200
PLANTATION, FL 33324
(954) 828-0081
TIFFANY.STANTON@KIMLEY-HORN.COM

SURVEYOR:
STONER & ASSOCIATES, INC.
4341 S.W. 62ND AVENUE
DAVIE, FL 33314
(954) 585-0997

GEOTECHNICAL:
TIERRA SOUTH FLORIDA
2765 VISTA PKWAY
WEST PALM BEACH, FL 33411
(561) 687-8536
INFO@TSFGEO.COM

UTILITY PROVIDERS

WATER, SEWER, STORM:
MIAMI DADE
CONTACT: LAZARO GUERRA
3575 S LEJEUNE ROAD, MIAMI, FL, 33146
(786) 268-5273
LAZARO.GUERRA@MIAMIDADE.GOV

COMCAST:
CONTACT: RICARDO DAVIDSON
6565 NOVA DRIVE
DAVIE, FL, 33317
(786) 586-8505
RICARDOA_DAVIDSON@COMCAST.COM

FPL
CONTACT: EDGAR AGUILAR
10705 QUAIL ROOST DR
MIAMI, FL, 33157
(386) 586-6403
EDGAR.AGUILAR@FPL.COM

GAS:
FLORIDA CITY GAS
CONTACT: GUSTAVO PENA
4045 NW 97TH AVE, DORAL, FL 33178
(305) 835-3624
FCG-ENGINEERING.SHAREDMAILBOX@NEXTERAENERGY.COM

AT&T:
CONTACT: DINO FARRUGGIO
6628 LAKESIDE ROAD, WEST PALM BEACH, FL, 33411
(561) 683-2729

FIBER:
CROWN CASTLE FIBER
CONTACT: DANNY HASKETT
1601 NW 136TH AVE, SUITE A-200
MIAMI, FL 33323
(786) 610-7073

COMMUNITY OFFICIALS

TIM MEERBOTT	MAYOR
MICHAEL P. CALLAHAN	VICE MAYOR
ROBERT DUNCAN	COUNCIL MEMBER
SUZY LORD	COUNCIL MEMBER
RICHARD RAMIREZ	COUNCIL MEMBER

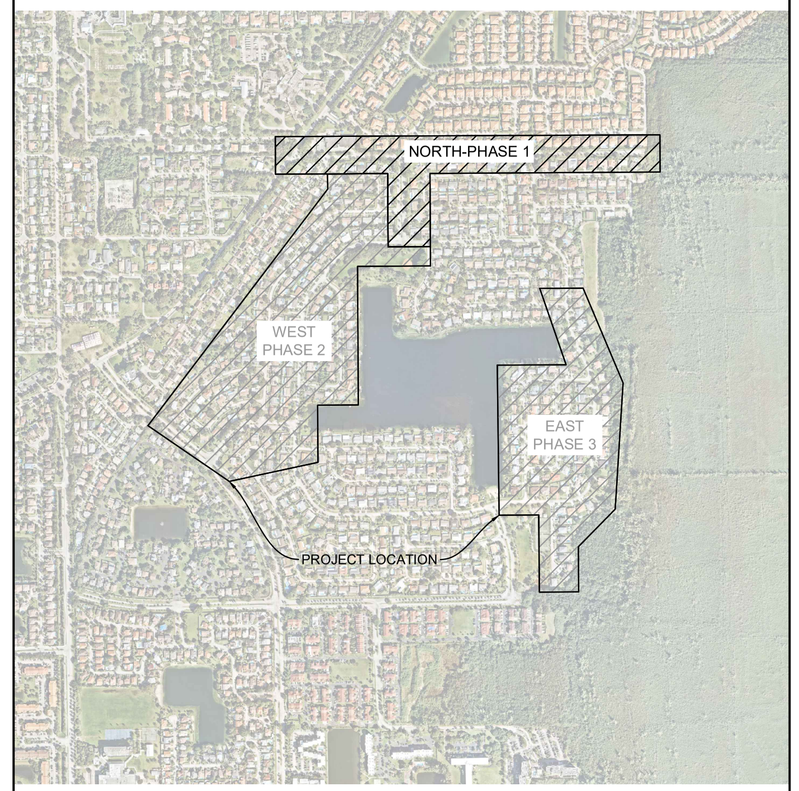
811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

Sheet List Table

Sheet Number	Sheet Title
C001.0	Cover Sheet
C001.1	General Notes
C001.2	General Notes
C101.0	Key Map
C201.1	Demolition and Erosion Control Plan
C201.2	Demolition and Erosion Control Plan
C201.3	Demolition and Erosion Control Plan
C201.4	Demolition and Erosion Control Plan
C201.5	Demolition and Erosion Control Plan
C201.6	Demolition and Erosion Control Plan
C201.7	Demolition and Erosion Control Notes
C201.8	Demolition and Erosion Control Details
C301.1	Paving Grading and Drainage Plan
C301.2	Paving Grading and Drainage Plan
C301.3	Paving Grading and Drainage Plan
C301.4	Paving Grading and Drainage Plan
C301.5	Paving Grading and Drainage Plan
C301.6	Paving Grading and Drainage Plan
C301.7	Paving Grading and Drainage Plan
C301.8	Paving Grading and Drainage Plan
C301.9	Paving Grading and Drainage Plan
C301.10	Paving Grading and Drainage Plan
C301.11	Paving Grading and Drainage Plan
C301.12	Paving Grading and Drainage Details
C301.13	Paving Grading and Drainage Details
C301.14	Paving Grading and Drainage Details
C401.1	Signing and Pavement Marking Plan
C401.2	Signing and Pavement Marking Plan
C401.3	Signing and Pavement Marking Plan
C401.4	Signing and Pavement Marking Plan
C401.5	Signing and Pavement Marking Plan
C401.6	Signing and Pavement Marking Plan

THE PUBLIC ROADWAY(S) INDICATED IN THESE PLANS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE "MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS & HIGHWAYS – STATE OF FLORIDA."

ATTENTION, THESE PLANS MAY HAVE REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE TAKEN INTO ACCOUNT WHEN OBTAINING SCALED DATA.



NORTH

PROJECT LOCATION

PROJECT
SAGA BAY DRAINAGE IMPROVEMENTS

PROJECT NUMBER
043145105

PROJECT LOCATION
CUTLER BAY, FLORIDA

PREPARED FOR:
Cutler Bay FLORIDA INCORPORATED 2005

PREPARED BY:
Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

No.	REVISIONS	DATE	BY

DATE: MAY 2025

BID PLANS

Plotted By:Bezmer, Eliana Sheet Set:SAGA BAY DRAINAGE IMPROVEMENTS Layout:C001.0 Cover Sheet August 05, 2025 12:05:38pm K:\fti_civil\043 jobs\043145105 saga bay drainage improvements\CAD\plansheets\C000.0 Cover Sheet.dwg

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Town of Cutler Bay | ITB No. 25-24
Saga Bay Drainage Improvements
Page 187 of 329

GENERAL NOTES

I. APPLICABLE CODES

A. GENERAL

1. ALL WORK FOR THIS PROJECT SHALL BE COMPLETED WITHIN AND FROM EXISTING RIGHT OF WAY.
2. COUNTY IN THESE NOTES REFERS TO THE MIAMI-DADE COUNTY, CITY OR TOWN IN THESE NOTES REFERS TO THE TOWN OF CUTLER BAY. STATE IN THESE NOTES REFERS TO THE STATE OF FLORIDA.
3. THE FDOT INDICES REFERRED TO IN THE DRAWINGS AND NOTES REFERS TO FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION AND FDOT DESIGN STANDARDS LATEST EDITION.
4. ALL WORK AND MATERIALS SHALL CONFORM TO THE LATEST STANDARDS, CODES, REGULATIONS AND SPECIFICATIONS OF THE TOWN, COUNTY, STATE, AND FEDERAL CODES WHERE APPLICABLE.
5. THE CONTRACTOR SHALL BE REQUIRED TO COMPLY WITH FEDERAL, STATE, COUNTY, AND CITY LAWS, CODES, ORDINANCES AND REGULATIONS.
6. IN THE EVENT OF A CONFLICT BETWEEN THE GENERAL NOTES AND CONSTRUCTION SPECIFICATIONS IN THESE PLANS AND THE CONTRACT DOCUMENTS AND SPECIFICATIONS IN THE SPECIFICATIONS BOOKLET THE CONTRACTOR SHALL SUBMIT WRITTEN REQUEST FOR CLARIFICATION TO THE ENGINEER.
7. ALL HANDICAP ACCESSIBLE ACCESS TO CONFORM WITH THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT AND LOCAL, STATE, AND FEDERAL CODES, LATEST EDITIONS.
8. THE CONTRACTOR IS REQUIRED TO OBTAIN ALL APPLICABLE CONSTRUCTION PERMITS PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR SHALL APPLY FOR AND PROCURE ALL PERMITS AND LICENSES, PAY ALL APPLICABLE CHARGES, TAXES, ROYALTIES & FEES, AND GIVE ALL NOTICES NECESSARY TO COMPLETE THIS PROJECT.
9. RADII DIMENSIONS AND ELEVATIONS ARE TO BE EDGE OF PAVEMENT AND FINISH GRADE UNLESS NOTED OTHERWISE.
10. IF ABANDONED GAS, WATER, AND SEWER SERVICE LATERALS ARE ENCOUNTERED DURING EXCAVATION, THE SECTION IN THE EXCAVATED ENVELOPE WILL BE REMOVED AND THE STUB ON THE SIDE CONNECTED TO THE MAIN WILL BE CAPPED, PLUGGED OR OTHERWISE SEALED.
11. CONTRACTOR TO MAINTAIN ACCESS TO BUSINESS AND RESIDENTIAL LOCATIONS BY NORMAL MEANS AND METHODS, I.E. TEMPORARY STEEL PLATES, LIMEROCK, ETC. ALL ASSOCIATED COST TO BE INCLUDED IN M.O.T. PAY ITEM.
12. ITEMS IN CONFLICT WITH DESIGN SUCH AS EXISTING CURBS AND GUTTERS, SIDEWALKS, DRAINAGE STRUCTURES PAVEMENT AND BASE AND EXCESS EXCAVATIONS ARE TO BE REMOVED BY CONTRACTOR AND DISPOSED OF IN A LEGAL AND PROPER MANNER AWAY FROM THE JOB SITE AT THE CONTRACTOR'S EXPENSE UNLESS THE ITEMS ARE TO BE REUSED ON THE PROJECT.
13. EXCESS MATERIAL REMOVED BY THE CONTRACTOR WILL BE DISPOSED OF IN AREAS PROVIDED BY THE CONTRACTOR.
14. THE INFORMATION PROVIDED IN THESE PLANS IS TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF THE CONDITIONS WHICH MAY BE ENCOUNTERED DURING THE COURSE OF THE WORK. ALL CONTRACTORS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT ANY INVESTIGATIONS THEY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSIONS REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED AND UPON WHICH THEIR BIDS WILL BE BASED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INVESTIGATE SITE CONDITIONS OF THE PROJECT AND FULLY SATISFY THEMSELVES OF BOTH THE SURFACE AND SUBSURFACE CONDITIONS AND BASE THEIR PRICING ACCORDINGLY. GEOTECHNICAL REPORT IS INCLUDED IN THE CONTRACT DOCUMENTS.
15. CONTRACTOR SHALL PRESERVE ALL STREET SIGNS, BENCHES, TRAFFIC CONTROL SIGNS, LANDSCAPING, ETC. WHEN DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL REINSTALL OR DELIVER SAID PUBLIC PROPERTY TO THE CITY.
16. THE CONTRACTOR SHALL TAKE SPECIAL NOTE OF ANY SPECIAL EQUIPMENT SHORING, SHEETING OR OTHER PROCEDURES NECESSARY TO PROTECT ADJACENT PROPERTY, EITHER PUBLIC OR PRIVATE, DURING EXCAVATION OF SUBSOIL MATERIAL OR DURING THE FILLING OF ANY AREA, OR FOR ANY AREA, OR FOR ANY OPERATION DURING CONSTRUCTION SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
17. APPARENT ERRORS, DISCREPANCIES, OR OMISSIONS ON THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD IMMEDIATELY.
18. THE AMOUNT OF EACH OF THE MATERIALS PROVIDED IS THE ESTIMATED AMOUNT REQUIRED TO COMPLETE THE JOB. THESE QUANTITIES ARE ESTIMATED ONLY AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLETE THE JOB IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. SHOULD ADDITIONAL MATERIALS BE REQUIRED THEY WILL BE PAID FOR AT THE CONTRACT UNIT PRICES AS DESCRIBED IN THE BID DOCUMENTS.
19. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES THAT REMAIN IN PLACE.
20. ALL ROAD CROSSINGS ARE OPEN CUT UNLESS OTHERWISE NOTED ON THE DRAWINGS.
21. THE CONTRACTOR SHALL REPLACE ALL PAVING, STABILIZING EARTH, DRIVEWAYS, SIDEWALKS, ETC. WITH THE SAME TYPE OF MATERIAL THAT WAS REMOVED DURING CONSTRUCTION OF AS DIRECTED BY THE ENGINEER.
22. THE CONTRACTOR SHALL NOT ENCROACH INTO PRIVATE PROPERTY WITH PERSONNEL, MATERIAL OR EQUIPMENT WITHOUT OBTAINING WRITTEN PERMISSION FROM THE OWNER.
23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE, REMOVAL OR MODIFICATION ACCIDENTALLY OR PURPOSELY, CAUSED TO ANY IRRIGATION SYSTEMS, PRIVATE OR PUBLIC WITHIN THE PROJECT LIMITS. THE COSTS TO REPLACE, REMOVE OR MODIFY IRRIGATION PIPES, SPRINKLER HEADS OR OTHER PERTINENT APPURTENANCES SHALL BE CONSIDERED INCIDENTAL TO AND SHALL BE INCLUDED IN THE OTHER ITEMS OF RELATED WORK. ALL COSTS DUE TO DAMAGE SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
24. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE INTEGRITY OF AND MAKING THE REPAIRS OF EXISTING PAVEMENT, PIPES, CONDUITS, CURBS, CABLES, TREES, SOD, LANDSCAPE ITEMS, ETC. WHETHER OR NOT SHOWN ON THE PLANS DAMAGED AS A RESULT OF THE CONTRACTORS OPERATIONS AND/OR THOSE OF THEIR SUBCONTRACTORS. CONTRACTOR SHALL REPORT ANY DAMAGE TO SIDEWALK, DRIVEWAY, ETC., PRIOR TO BEGINNING WORK IN ANY AREA.
25. CONTRACTOR IS RESPONSIBLE TO REMOVE AND REINSTALL ALL BRICK OR PAVER DRIVEWAYS IMPACTED BY CONSTRUCTION, REPAIR OR REPLACE ALL ASPHALT, CONCRETE, OR STAMPED CONCRETE DRIVEWAYS IMPACTED BY CONSTRUCTION. ALL COSTS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED AS PART OF THE OVERALL BID.
26. THE CONTRACTOR SHALL RESTORE OR REPLACE, WHEN AND AS DIRECTED BY THE ENGINEER, ANY PUBLIC OR PRIVATE PROPERTY DAMAGED BY HIS/HER WORK, EQUIPMENT, EMPLOYEES OR THOSE OF HIS SUBCONTRACTORS TO A CONDITION AT LEAST EQUAL (DETERMINED BY THE ENGINEER OF RECORD) TO THAT EXISTING IMMEDIATELY PRIOR TO THE BEGINNING OF OPERATIONS.
27. CONTRACTOR SHALL ADJUST ALL EXISTING SURFACE FEATURES SUCH AS EXISTING FRAMES, GRATES, MANHOLE COVERS, UTILITY VALVE BOXES, MONITORING WELLS, ECT. TO MATCH PROPOSED GRADES.
28. ALL INSTALLATIONS WITHIN MIAMI-DADE COUNTY JURISDICTION RIGHTS OF WAY SHALL BE IN CONFORMITY WITH THE MIAMI-DADE COUNTY HIGHWAY CONSTRUCTION & ENGINEERING DIVISION "MINIMUM STANDARDS."
29. THE TOWN OF MIAMI LAKES SHALL RECEIVE A COPY OF ALL REQUIRED DENSITY REPORTS, AS-BUILTS, AND SHOP DRAWINGS OF THE PROJECT.

B. CONSTRUCTION SAFETY

1. ALL CONSTRUCTION SHALL BE DONE IN A SAFE MANNER SPECIFICALLY, THE RULES AND REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) SHALL BE STRICTLY OBSERVED.

C. TRENCH SAFETY ACT

1. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH THE STATE OF FLORIDA TRENCH SAFETY ACT.
2. WHERE EXCAVATIONS TO A DEPTH IN EXCESS OF FIVE FEET (5') ARE REQUIRED, THE CONTRACTOR SHALL INCLUDE THE FOLLOWING INFORMATION IN THE BID:
   - 2.1. A REFERENCE TO THE TRENCH SAFETY STANDARDS THAT WILL BE IN EFFECT DURING THE PERIOD OF CONSTRUCTION OF THE PROJECT.
   - 2.2. WRITTEN ASSURANCES BY THE CONTRACTOR PERFORMING THE TRENCH EXCAVATION THAT SUCH CONTRACTOR WILL COMPLY WITH THE APPLICABLE TRENCH SAFETY STANDARDS.
   - 2.3. A SEPARATE ITEM IDENTIFYING THE COST OF COMPLIANCE WITH THE APPLICABLE TRENCH SAFETY STANDARDS. WHEN A BID IS NOT SUBMITTED, THE CONTRACTOR SHALL SUBMIT THE INFORMATION LISTED IN ITEM 2 TO THE ENGINEER PRIOR TO STARTING WORK.

D. SURVEY DATA

1. ALL ELEVATIONS ON THE PLANS OR REFERENCED IN THE SPECIFICATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM (NGVD) OF 1929.
2. ALL EXISTING CONTROL POINTS AND/OR REFERENCE MARKERS SHALL BE RAISED TO FINAL GRADE. THESE POINTS AND REFERENCE MARKERS SHALL BE LOCATED AND NOTED ON THE AS-BUILTS.
3. THE LOCATION OF EXISTING RIGHT-OF-WAY LINES, CENTERLINES, ROADWAY PAVEMENT, UTILITIES, TREES AND OTHER PHYSICAL ABOVE-GROUND FEATURES SHOWN ON THE PLANS WERE TAKEN FROM THE SPECIFIC PURPOSE SURVEYS PREPARED BY:
   STONER
   4341 SW 62ND AVENUE
   DAVIE, FLORIDA 33314
   PHONE: 954-585-0997
   CONTACT: WALTER DE LA ROCHA, PSM
4. ALL STATIONS AND OFFSETS ARE REFERENCED TO BASELINE OF SURVEY/CONSTRUCTION BASELINE.
5. EXISTING SECTION CORNERS AND 1/4 SECTION CORNERS, AND OTHER LAND MARKERS OR MONUMENTS LOCATED WITHIN PROPOSED CONSTRUCTION ARE TO BE REFERENCED BY THE CONTRACTOR PRIOR TO CONSTRUCTION AND REPLACED IF DISTURBED BY THE CONTRACTOR'S SURVEY OR UNDER THE DIRECTION OF A REGISTERED LAND SURVEYOR LICENSED IN THE STATE OF FLORIDA.
6. ANY NGVD - 1929 MONUMENT WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF IN DANGER OF DAMAGE, NOTIFY:
   GEODETIC INFORMATION CENTER
   ATTN: MARK MAINTANENCE SECTION N/CG-162
   6001 EXECUTIVE BLVD.
   ROCKVILLE, MARYLAND 20852
   PHONE: 301-443-8319

II. PRECONSTRUCTION RESPONSIBILITIES

A. GENERAL

1. UPON RECEIPT OF THE "NOTICE TO PROCEED", THE CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD AND ARRANGE A PRE-CONSTRUCTION CONFERENCE TO INCLUDE ALL THE INVOLVED GOVERNMENTAL AGENCIES, UTILITY OWNERS, AND THE ENGINEER OF RECORD, AND HOLD THE MANDATORY PRE-CONSTRUCTION CONFERENCE AFTER ISSUANCE OF THE CONTRACT'S "NOTICE TO PROCEED" BUT BEFORE THE ACTUAL CONSTRUCTION DATE. CONTRACTOR MAY NOT BEGIN WORK BEFORE ACTUAL CONSTRUCTION DATE.
2. THE CONTRACTOR SHALL OBTAIN A SUNSHINE CERTIFICATION NUMBER AT LEAST 48 HOURS PRIOR TO BEGINNING ANY EXCAVATION.
3. PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL VERIFY THE SIZE, LOCATION ELEVATION, AND MATERIAL OF ALL EXISTING UTILITIES WITHIN THE AREA OF CONSTRUCTION.
4. EXISTING UTILITY LOCATION SHOWN ON THESE PLANS ARE APPROXIMATE. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF EXISTING UTILITIES SHOWN OR FOR ANY EXISTING UTILITIES NOT SHOWN.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ANY EXISTING UTILITIES FOR WHICH IT FAILS TO REQUEST LOCATIONS FROM THE UTILITY OWNER. THE CONTRACTOR IS RESPONSIBLE AS WELL FOR DAMAGE TO ANY EXISTING UTILITIES WHICH ARE PROPERLY LOCATED. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING IRRIGATION AT NO COST TO THE TOWN OF MIAMI LAKES.
6. IF UPON EXCAVATION, AN EXISTING UTILITY IS FOUND TO BE IN CONFLICT WITH THE PROPOSED CONSTRUCTION OR TO BE OF A SIZE OR MATERIAL DIFFERENT FROM THAT SHOWN ON THE PLANS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER.
7. EXISTING UTILITIES SHALL BE MAINTAINED IN SERVICE DURING CONSTRUCTION UNLESS OTHERWISE APPROVED BY THE UTILITY OWNER.
8. THE CONTRACTOR SHALL COORDINATE WITH UTILITIES TO ARRANGE RELOCATION AND TEMPORARY SUPPORT OF UTILITY FEATURE ETC. AS NECESSARY TO COMPLETE THE WORK.
9. THE UTILITY COMPANIES SHALL BE NOTIFIED BY THE CONTRACTOR TWO (2) BUSINESS DAYS IN ADVANCE OF ANY EXCAVATION INVOLVING THEIR UTILITIES SO THAT A COMPANY REPRESENTATIVE CAN BE PRESENT.
10. THE CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD TRANSMISSION LINES OR UNDERGROUND UTILITIES.
11. SHOULD DEWATERING BE NEEDED, CONTRACTOR TO INCLUDE IN BID. ALL APPLICABLE DEWATERING APPROVALS ARE TO BE OBTAINED.
    CONTRACTOR TO INCLUDE FABRICATION, INSTALLATION, MAINTENANCE AND REMOVAL OF TWO(2) PROJECT SIGNS. SIGN LETTERING AND PLACEMENT TO BE REVIEWED BY TOWN PRIOR TO PLACEMENT.
12. STAGING AND STORAGE TO BE COORDINATED WITH TOWN PRIOR TO COMMENCEMENT OF CONSTRUCTION.

III. INSPECTIONS

A. GENERAL

1. THE CONTRACTOR SHALL GIVE THE ENGINEER OF RECORD A MINIMUM OF TWO (2) BUSINESS DAYS ADVANCE NOTICE PRIOR TO BACKFILLING OR COMPLETING THE INSPECTION OF THE FOLLOWING ITEMS SO THE ENGINEER OF RECORD CAN PERFORM FIELD OBSERVATIONS OF THE FOLLOWING ITEMS:
   - 1.1. STORM DRAINAGE
   - 1.2. SUBGRADE; SUBMIT AND HAVE APPROVED DENSITIES PRIOR TO PLACEMENT OF ROCK
   - 1.3. LIMEROCK BASE; SUBMIT AND HAVE APPROVED DENSITIES AND AS-BUILTS PRIOR TO THE PLACEMENT OF ANY ASPHALT.
   - 1.4. ASPHALTIC CONCRETE
   - 1.5. FINAL
2. ALL INSPECTIONS WILL BE MADE BY THE TOWN OF MIAMI LAKES (PLUMBING AND ELECTRICAL). THE ENGINEER OF RECORD WILL PROVIDE CONSTRUCTION OBSERVATION SERVICE.
3. IF THE CONTRACTOR FAILS TO NOTIFY THE ENGINEER OF RECORD PRIOR TO COMPLETING THE ABOVE, THE ENGINEER RESERVES THE RIGHT NOT TO ISSUE ANY CERTIFICATIONS OR FINAL INSPECTIONS.

IV. SHOP DRAWINGS

A. GENERAL

1. PRIOR TO THEIR CONSTRUCTION OR INSTALLATION, SHOP DRAWINGS SHALL BE SUBMITTED TO AND REVIEWED BY THE ENGINEER OF RECORD FOR SANITARY MANHOLES, CATCH BASINS, FIRE HYDRANTS, VALVES AND OTHER ACCESSORIES. CATALOGUE LITERATURE SHALL BE SUBMITTED FOR WATER AND SEWER PIPES, FITTINGS, AND APPURTENANCES. PRIOR TO SUBMITTING SHOP DRAWINGS TO THE ENGINEER, THE CONTRACTOR SHALL REVIEW AND APPROVE THE DRAWINGS, AND SHALL NOTE IN RED ANY DEVIATIONS FROM THE ENGINEER'S PLANS OR SPECIFICATIONS. INDIVIDUAL SHOP DRAWINGS FOR ALL PRECAST STRUCTURES ARE REQUIRED. CATALOGUE LITERATURE WILL NOT BE ACCEPTABLE FOR PRECAST STRUCTURES.

V. TEMPORARY FACILITIES

A. TEMPORARY UTILITIES

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE OR SUPPLY TEMPORARY WATER SERVICE, SANITARY FACILITIES, AND ELECTRICITY TO ITS EMPLOYEES AND SUBCONTRACTORS FOR THEIR USE DURING CONSTRUCTION.

B. TRAFFIC REGULATION

1. MAINTENANCE OF TRAFFIC IN THE PUBLIC RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE MUTCD. A MAINTENANCE OF TRAFFIC PLAN MUST BE APPROVED BY THE GOVERNMENTAL ENGINEERING DIVISION HAVING JURISDICTION FOR THE SECTION OF ROADWAY BEFORE STARTING WORK IN THE PUBLIC RIGHT-OF-WAY.
2. ALL OPEN TRENCHES AND HOLES ADJACENT TO ROADWAYS OR WALKWAYS SHALL BE PROPERLY MARKED AND BARRICADED TO ASSURE THE SAFETY OF BOTH VEHICULAR AND PEDESTRIAN TRAFFIC.
3. NO TRENCHES OR HOLES NEAR WALKWAYS OR IN ROADWAYS OR THEIR SHOULDERS ARE TO BE LEFT OPEN DURING NIGHTTIME HOURS WITHOUT EXPRESS PERMISSION OF THE TOWN.

C. TEMPORARY FACILITIES

1. THE CONTRACTORS ON-SITE EQUIPMENT, STOCK PILED MATERIAL, AND SUPPLIES SHALL BE KEPT IN A SECURE, FENCED AND LOCKED LOCATION WHEN CONTRACTOR IS NOT SUPERVISING THE STAGING OR LAY DOWN AREA.
2. STAGING AND MATERIAL STORAGE SHALL NOT BE CONDUCTED ON ABUTTING PRIVATE PROPERTY OR PUBLIC RIGHT-OF-WAY WITHOUT APPROVAL FROM THE TOWN OF MIAMI LAKES.
3. CONTRACTOR SHALL CONSTRUCT AND MAINTAIN TEMPORARY STREET LIGHTING AS REQUIRED TO LIGHT THE CONSTRUCTION PROJECT LIMITS AT ALL TIMES TO AT LEAST THE SAME LIGHTING INTENSITY LEVELS AS WAS EXISTING PRIOR TO THE START OF CONSTRUCTION. ALL COSTS ASSOCIATED WITH THE CONSTRUCTION AND MAINTAINING LIGHTING TO BE INCLUDED IN M.O.T. PAY ITEM.
4. THE CONTRACTOR SHALL COORDINATE SELECTION AND REVIEW OF ANY PROPOSED STAGING AREAS ASSOCIATED WITH THIS PROJECT WITH THE TOWN OF MIAMI LAKES.

VI. EARTHWORK

A. GENERAL

1. NONE OF THE EXISTING MATERIAL IS TO BE INCORPORATED IN THE LIMEROCK BASE.
2. ALL SUB-GRADE UNDER PAVED AREAS SHALL BE 12" THICK AND HAVE A MINIMUM LBR VALUE OF 40. AND SHALL BE COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180.
3. ALL FILL MATERIAL IN AREAS NOT TO BE PAVED SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY AS DETERMINED BY ASSHTO T-180.
4. A 2" BLANKET OF TOP SOIL SHALL BE PLACED OVER ALL AREAS TO BE SODDED.
5. SOD SHALL BE ST. AUGUSTINE, BITTER BLUE OR FLORATAM AND SHALL BE PLACED ON THE GRADED TOP SOIL AND WATERED TO INSURE SATISFACTORY CONDITION UPON FINAL ACCEPTANCE OF THE PROJECT.
6. WHEN WORKING IN AND AROUND EXISTING DRAINAGE CANALS OR LAKES, APPROPRIATE SILT BARRIERS SHALL BE INSTALLED.
7. ALL ORGANIC AND OTHER UNSUITABLE MATERIAL UNDER THOSE AREAS TO BE PAVED SHALL BE REMOVED TO A DEPTH OF THREE(3) FEET BELOW FINISHED GRADE AND FOR THREE(3) FEET BEYOND THE PERIMETER OF THE PAVING.
8. SUITABLE BACKFILL SHALL BE MINIMUM LBR 40 MATERIAL COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY ASSHTO T-180 THREE (3) FEET BEYOND THE PERIMETER OF PAVING.
9. CONTRACTOR SHALL TIE TO EXISTING GRADE BY EVENLY SLOPING FROM CLOSEST PROPOSED GRADE PROVIDED TO EXISTING GRADE AT LIMITS OF WORK UNLESS OTHERWISE NOTED ON PLANS. IF NO LIMIT OF WORK IS INDICATED, SLOPE TO THE ADJACENT PROPERTY LINE OR RIGHT-OF-WAY LINE AS APPLICABLE.
10. SITE GRADING ELEVATIONS SHALL BE WITHIN 0.1 OF THE REQUIRED ELEVATION AS SHOWN ON THE PLANS AND ALL AREAS SHALL BE GRADED TO DRAIN WITHOUT PONDING.
11. GROUND ADJACENT TO ROADWAY/PAVEMENT WHERE STORMWATER RUNOFF FLOWS FROM PAVEMENT TO GROUND SHALL BE GRADED TWO (2) INCHES LOWER THAN THE EDGE OF PAVEMENT TO ALLOW FOR THE PLACEMENT OF SOD.
12. WHEN ENCOUNTERED WITHIN PROPOSED DRAINAGE SWALES, HARDPAN SHALL BE REMOVED FOR A WIDTH OF FIVE (5) FEET AT THE INVERT AND REPLACED WITH GRANULAR MATERIALS.
13. ALL AREAS TO BE CONSTRUCTED UPON WITH STRUCTURES, PAVEMENT, DRAINAGE, WATER, SEWER, CURBING, SIDEWALK, FENCING, ETC., SHALL BE CLEARED AND GRUBBED PRIOR TO CONSTRUCTION. THIS SHALL CONSIST OF THE COMPLETE REMOVAL OF AND DISPOSAL OF ALL TREES, BRUSH, STUMPS, ROOTS, GRASS, WEEDS, RUBBISH, AND ALL OTHER OBSTRUCTIONS RESTING ON OR PROTRUDING THROUGH THE SURFACE OF THE EXISTING GROUND TO A DEPTH OF 6 INCHES. ITEMS DESIGNATED TO OPERATION. ALL WORK SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS.
14. ALL PROPOSED GRADES SHOWN IN PLAN ARE FINISHED GRADES.

VII. PAVING

A. GENERAL

1. ALL UNDERGROUND UTILITIES SHALL BE COMPLETED PRIOR TO THE CONSTRUCTION OF THE LIMEROCK BASE AND PRIOR TO THE PLACEMENT OF THE PAVEMENT. ALL REPAIRS TO EXISTING PAVEMENT SHALL RECEIVE SAW-CUT EDGES PRIOR TO RELAYING ASPHALT. ALL EXISTING PAVEMENT, LIMEROCK AND SUB-GRADE THAT IS AFFECTED AND NOT PART OF THE CONSTRUCTION PROJECT SHALL BE PROPERLY RESTORED AT THE CONTRACTOR'S EXPENSE.

B. MATERIALS

1. LIMEROCK BASE MATERIAL SHALL HAVE A MINIMUM OF 70% CARBONATES (CALCIUM AND MAGNESIUM) WITH A MINIMUM LBR OF 100.
2. PRIME COAT SHALL BE APPLIED AT THE RATE OF 0.25 GAL/YD SQ. AND TACK COAT SHALL MEET FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARDS.
3. SURFACE COURSE SHALL BE EQUAL TO FDOT TYPE SP 9.5 & FC 9.5 ASPHALTIC CONCRETE.

C. INSTALLATION

1. LIMEROCK BASE MATERIAL SHALL BE 12" THICK AND COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180.
2. LIMEROCK BASE MATERIAL SHALL BE PLACED IN MAXIMUM 8" LIFTS. BASES GREATER THAN 8" OF LIMEROCK SHALL BE PLACED IN TWO OR MORE EQUAL LIFTS. LIMEROCK BASE SHALL BE COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180.
3. ASPHALTIC CONCRETE SHALL BE 1" FDOT TYPE SP-9.5 (BOTTOM) AND 1"(MIN.) FC-9.5 TOP LIFT MATCHING EXISTING GRADED AT LIMIT OF SAWCUT.
4. PRIME COAT SHALL BE PLACED ON ALL LIMEROCK BASES IN ACCORDANCE WITH FDOT STANDARDS.
5. TACK COAT SHALL BE PLACED AS REQUIRED IN ACCORDANCE WITH FDOT STANDARDS.
6. CARBONATES CONTENT MINIMUM 70% AND LBR MINIMUM OF 100.
7. BASE COURSE CONSTRUCTION SHALL NOT BE STARTED UNTIL ALL UNDERGROUND CONSTRUCTION IN THE VICINITY HAS BEEN TESTED AND ACCEPTED.
8. WEARING COURSES SHALL NOT BE PLACED UNTIL:
   - 8.1. A WALK THROUGH HAS BEEN CONDUCTED TO DETERMINE IF THERE IS ANY REMAINING WORK THAT MIGHT CAUSE DAMAGE TO THE FINAL LIFT.
   - 8.2. ALL LANDSCAPING WORK THAT MIGHT CAUSE DAMAGE TO THE FINAL LIFT IS COMPLETE.
   - 8.3. ALL UNDERGROUND UTILITIES ARE INSTALLED AND ACCEPTED AND A FINISHED ROCK SURVEY HAS BEEN SUBMITTED TO AND ACCEPTED BY THE HIGHWAY CONSTRUCTION & ENGINEERING DIVISION.

D. TESTING

1. ALL SUB-GRADE, LIMEROCK AND ASPHALT TESTS REQUIRED SHALL BE TAKEN AT THE DIRECTION OF THE ENGINEER AND PER THE TOWN OF MIAMI LAKES REQUIREMENTS.
2. DENSITY TESTS SHALL BE CONDUCTED EVERY 100 FEET AND TWO FEET AWAY FROM ANY MANHOLE OR DRAINAGE STRUCTURE INSTALLED IN PAVED AREAS.

VIII SIGNING AND MARKING

1. ALL PAVEMENT MARKING AND SIGNING SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), MIAMI-DADE COUNTY TRAFFIC ENGINEERING DIVISION, FDOT, AND TOWN OF MIAMI LAKES STANDARDS.
2. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. CONTRACTOR SHALL PAINT MARKINGS THEN AFTER 14 DAY CURING PERIOD PLACE THERMOPLASTIC PAVEMENT MARKINGS.
3. ONE BI-DIRECTIONAL YELLOW REFLECTIVE PAVEMENT MARKER SHALL BE PROVIDED AT 40' INTERVALS ON EACH SIDE OF DOUBLE YELLOW STRIPES.
4. BI-DIRECTIONAL AMBER/AMBER REFLECTIVE PAVEMENT MARKERS SHALL BE PROVIDED AT 1' INTERVALS AT ALL BULLNOSES.
5. BI-DIRECTIONAL WHITE/RED REFLECTIVE PAVEMENT MARKERS SHALL BE PROVIDED AT 20' INTERVALS ALONG SOLID WHITE LINES (NOT ON EDGE OF PAVEMENT OR BIKE LANE LINES).
6. REFLECTIVE PAVEMENT MARKERS SHALL BE CLASS B MARKERS MANUFACTURED IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS 706 AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDED PROCEDURES.
7. ALL SIGNING SHALL BE FABRICATED USING TYPE XI SHEETING, AS PER MIAMI-DADE COUNTY TRAFFIC ENGINEERING DIVISION STANDARDS (CURRENT EDITION).
8. ALL PAVEMENT MARKINGS AND SIGNING DAMAGED DURING CONSTRUCTION. SHALL BE RESTORED TO MIAMI-DADE COUNTY TRAFFIC ENGINEERING DIVISION.
9. EXISTING MARKINGS SHALL BE REMOVED BY WATER BLASTING ONLY.
10. SEE SIGNING AND MARKING DETAILS FOR ADDITIONAL INFORMATION.
11. ALL EXISTING SIGNALIZATION EQUIPMENT TO REMAIN IS ASSUMED TO BE IN GOOD WORKING ORDER UNLESS CITY IS NOTIFIED IN WRITING PRIOR TO START OF CONSTRUCTION. ANY SUBSEQUENT DAMAGE TO THE SIGNAL EQUIPMENT SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.

IX PROJECT CLOSEOUT

A. CLEANING UP

1. DURING CONSTRUCTION, THE PROJECT SITE AND ALL ADJACENT AREAS SHALL BE MAINTAINED IN A NEAT AND CLEAN MANNER. UPON FINAL CLEAN UP, THE PROJECT SITE SHALL BE LEFT CLEAR OF ALL SURPLUS MATERIAL OR TRASH, THE PAVED AREAS SHALL BE SWEPT BROOM CLEAN.
2. THE CONTRACTOR SHALL RESTORE OR REPLACE, WHEN AND AS DIRECTED BY THE ENGINEER OR THOSE OF ITS SUBCONTRACTORS TO A CONDITION AT LEAST EQUAL OR BETTER TO THE EXISTING CONDITION IMMEDIATELY PRIOR TO THE BEGINNING OF OPERATIONS. TO THIS END, THE CONTRACTOR SHALL DO ALL NECESSARY HIGHWAY OR DRIVEWAY, WALK AND LANDSCAPING WORK, SUITABLE MATERIALS AND METHODS SHALL BE USED FOR SUCH RESTORATION.
3. WHERE MATERIAL OR DEBRIS HAS WASHED OR FLOWED INTO OR BEEN PLACED IN WATER COURSES, DITCHES, DRAINS, CATCH BASINS, OR ELSEWHERE AS A RESULT OF THE CONTRACTOR'S OPERATIONS, SUCH MATERIAL OR DEBRIS SHALL BE REMOVED AND SATISFACTORILY DISPOSED OF DURING PROGRESS OF THE WORK, AND THE AREA KEPT IN A CLEAN AND NEAT CONDITION.
4. UPON COMPLETION OF THE PROPOSED DRAINAGE WORK, THE CONTRACTOR SHALL CLEAN THE NEW SYSTEM, REMOVE ALL POLLUTION CONTROL DEVICES FROM THE NEW AND EXISTING SYSTEM, AND CLEAN THE EXISTING STRUCTURES AND DRAINAGE SYSTEM AT NO ADDITIONAL COST TO THE OWNER.
5. THE CONTRACTOR IS RESPONSIBLE FOR CLEANING OF ALL OF THE EXISTING DRAINAGE SYSTEM AFFECTED BY THE CONSTRUCTION WITHIN THE RIGHT-OF-WAY UPON COMPLETION OF THE PROJECT.

B. PROJECT RECORD DOCUMENTS

1. THE CONTRACTOR SHALL MAINTAIN ACCURATE AND COMPLETE RECORDS OF WORK ITEMS COMPLETED.
2. PRIOR TO THE PLACEMENT OF ANY ASPHALT OR CONCRETE PAVEMENT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER "AS-BUILT" PLANS (SIGNED AND SEALED BY A FLORIDA CERTIFIED PROFESSIONAL LAND SURVEYOR) SHOWING LIMEROCK BASE GRADES, ALL DRAINAGE AND WATER IMPROVEMENTS. PAVING OPERATIONS SHALL NOT COMMENCE UNTIL THE ENGINEER HAS REVIEWED THE "AS-BUILTS."
3. ALL REQUIRED DENSITY AND LBR TEST RESULTS FOR SUB-GRADE SHALL BE PROVIDED TO THE ENGINEER PRIOR TO PLACING BASE MATERIAL.
4. ALL REQUIRED DENSITY AND LBR TEST RESULTS FOR LIMEROCK SHALL BE PROVIDED TO THE ENGINEER PRIOR TO PLACING ASPHALT.
5. ALL "AS-BUILT" INFORMATION SUBMITTED TO THE ENGINEER SHALL BE SUFFICIENTLY ACCURATE, CLEAR AND LEGIBLE TO SATISFY THE ENGINEER THAT THE INFORMATION PROVIDES A TRUE REPRESENTATION OF THE IMPROVEMENTS CONSTRUCTED.
6. UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER OF RECORD COMPLETE SETS OF "AS-BUILT" CONSTRUCTION DRAWINGS (SIGNED AND SEALED BY A FLORIDA CERTIFIED PROFESSIONAL LAND SURVEYOR) AS REQUIRED FOR SUBMITTAL AND APPROVAL. THESE DRAWINGS SHALL BE MARKED TO SHOW "AS-BUILT" CONSTRUCTION CHANGES AND DIMENSIONED LOCATIONS AND ELEVATIONS OF ALL IMPROVEMENTS AND SHALL BE SIGNED AND SEALED BY A REGISTERED LAND SURVEYOR.
7. ALL "AS-BUILT" INFORMATION ON ELEVATIONS OF WATER, SEWER, PAVING, AND DRAINAGE SHALL BE CERTIFIED BY A REGISTERED LAND SURVEYOR.
8. AS-BUILT INFORMATION ON THE WATER SYSTEM SHALL INCLUDE LOCATIONS OF ALL VALVES, FITTINGS, FIRE HYDRANTS, WATER SERVICES AND TOP OF PIPE ELEVATIONS AT ALL FITTINGS AND AT A MINIMUM OF 100' SPACING.
9. THE COST OF SIGNED AND SEALED AS-BUILTS AND CADD FILES SHALL BE INCLUDED IN THE COST OF THE OVERALL BID.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

NO.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON, LICENSE No 85268, STATE OF FLORIDA, PROFESSIONAL ENGINEER
DATE: 8/5/2025

KHA PROJECT 043145105
DATE MAY 2025
SCALE AS SHOWN
DESIGNED BY TS
DRAWN BY DM
CHECKED BY SV

GENERAL NOTES

SAGA BAY DRAINAGE IMPROVEMENTS-NORTH
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER C001.1

KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG. It's fast. It's free. It's the law. www.callsunshine.com

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By:Beziner, Eliana Sheet Set:SAGA BAY DRAINAGE IMPROVEMENTS Layout:C001.1 General Notes August 05, 2025 12:05:43pm K:\ftl_civil\043 jobs\043145105 saga bay drainage improvements\CAD\plansheets\C100.2 GENERAL NOTES.dwg

GENERAL NOTES

X. MAINTENANCE OF TRAFFIC

1. TRAFFIC CONTROLS SHALL BE IN ACCORDANCE WITH THE PROJECT TRAFFIC PLANS, THE CURRENT EDITION OF THE FDOT STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION. THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AS MINIMUM CRITERIA.
2. THE CONTRACTOR SHALL IMMEDIATELY REPAIR ALL POTHOLES THAT DEVELOP WITHIN PROJECT LIMITS AND WILL MAINTAIN A SUPPLY OF COLD MIX ON THE PROJECT SITE TO EXPEDITE THOSE REPAIRS. ALL COSTS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED AS PART OF THE OVERALL BID.
3. REQUEST FOR PROPOSED LANE CLOSURES OR TEMPORARY DETOURS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL TO ROADWAY'S MAINTAINING AGENCY TO CLOSURE OR DETAIL.
4. ALL LANES NEEDS SHALL REMAIN OPEN DURING NON WORKING HOURS.
5. THE TRAFFIC AND TRAVEL WAYS SHALL NOT BE ALTERED BY THE CONTRACTOR TO CREATE A WORK ZONE UNTIL ALL LABOR AND MATERIAL ARE AVAILABLE FOR THE CONSTRUCTION IN THAT AREA.
6. THE CONTRACTOR SHALL REMOVE ANY EXISTING OR PROPOSED PAVEMENT MARKINGS THAT CONFLICT WITH THE TRAFFIC CONTROL. WHEN THE CONFLICT NO LONGER EXISTS THE CONTRACTOR SHALL RESTORE PAVEMENT MARKINGS TO THEIR ORIGINAL POSITION. REMOVAL OF EXISTING AND/OR TEMPORARY PAVEMENT MARKINGS SHALL BE ACCOMPLISHED BY FOLLOWING METHODS: BY MILLING AND ASPHALT OVERLAY, BY GRINDING AND ASPHALT OVERLAY, SAND OR WATER BLASTING, OR BY OTHER MEANS APPROVED BY THE ENGINEER. GRINDING (WITHOUT ASPHALT OVERLAY) SHALL ONLY BE PERMITTED IN NON-TRAFFIC AREAS AS DESIGNATED BY THE ENGINEER, ALL COSTS OF PAVEMENT MARKING REMOVAL, INCLUDING THE COST OF ASPHALT OVERLAY REQUIRED WHEN MILLING OR GRINDING IS USED IN TRAFFIC AREAS, SHALL BE INCLUDED. USE OF BLACK PAINT TO COVER EXISTING AND/OR TEMPORARY PAVEMENT MARKINGS IS PROHIBITED.
7. CONTRACTOR SHALL REMOVE OR COVER ANY EXISTING OR PROPOSED SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL. WHEN THE CONFLICT NO LONGER EXISTS, CONTRACTOR SHALL RESTORE THE SIGNS TO THEIR ORIGINAL POSITION, COST TO BE INCLUDED IN THE BID.
8. ALL EXISTING STREET NAMES AND STOP SIGNS AFFECTED BY CONSTRUCTION SHALL BE RELOCATED TO AND MAINTAINED IN A VISIBLE LOCATION FOR THE DURATION OF THE PROJECT. WHEN NO LONGER AFFECTED BY CONSTRUCTION THEY SHALL BE RESTORED TO THEIR FINAL POSITION. COST TO BE INCLUDED IN BID.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMMEDIATE REMOVAL OF STORMWATER FROM ROADWAYS UTILIZED FOR TRAFFIC MAINTENANCE IN A MANNER APPROVED BY THE ENGINEER. COST TO BE INCLUDED IN BID.
10. AT THE END OF EACH WORK PERIOD, ANY DROP-OFF IN THE AREA ADJACENT TO THE TRAVEL WAY SHALL BE BACKFILLED IN ACCORDANCE WITH STANDARD INDEX 102-600 OR SHALL BE OTHERWISE PROTECTED WITH TEMPORARY BARRIER AT THE CONTRACTOR'S EXPENSE.
11. CONTRACTOR SHALL NOTIFY MIAMI-DADE COUNTY TRAFFIC ENGINEERING DIVISION 48 HOURS PRIOR TO ANY MODIFICATION AND/OR CHANGES OF AN EXISTING TRAFFIC SIGNAL (E.G TAKING THE SIGNALS OFF-LINE, REMOVING OR REPLACING LOOP ASSEMBLIES OR REARRANGING TRAFFIC SIGNAL HEADS). THE CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR THE NORMAL MAINTENANCE OF THE EXISTING TRAFFIC SIGNAL(S) WITHIN THE PROJECT LIMITS. COST OF REARRANGING TRAFFIC SIGNAL HEADS AND MAINTAINING TRAFFIC SIGNALS TO BE INCLUDED IN THE BID.
12. CONTRACTOR TO MAINTAIN ACCESS TO RESIDENCES AND BUSINESSES ALONG THE PROJECT. CONTRACTOR IS TO SUBMIT A PROPOSED METHOD OF MAINTAINING ACCESS TO THESE PROPERTIES TO ENGINEER FOR REVIEW PRIOR TO INSTALLATION. ALL COSTS WITH MAINTAINING ACCESS TO BE INCLUDED IN THE BID.
13. M.O.T TRANSITIONS AND TEMPORARY INTERSECTION CROSSOVERS WHERE CONSTRUCTION HAS CAUSED GRADE DIFFERENCES BETWEEN THE EXISTING AND NEW ROADWAYS SHALL BE CONSTRUCTED USING 1:20 SLOPE TO ACCOMMODATE VEHICULAR TRAFFIC FROM ANY DIRECTION. WORK SHALL BE DONE WITH ASPHALTIC CONCRETE TYPE "S" AND SHALL INCLUDE ASPHALT SLOPE REMOVAL WHEN NO LONGER NEEDED. ALL COST WITH MAINTAINING CROSSOVER SLOPE GRADE AND REMOVAL TO BE INCLUDED IN THE BID.
14. CONTRACTOR SHALL MAINTAIN A CONTINUOUS PEDESTRIAN WAY ON ONE SIDE OF THE ROADWAY AT ALL TIMES. PEDESTRIAN WAY SHALL HAVE SMOOTH SURFACE AND BE GRADED ON CONFORMANCE WITH THE AMERICAN WITH DISABILITIES ACT (ADA) REQUIREMENTS. ALL COSTS TO BE INCLUDED IN THE BID.
15. AT THE END OF EACH WORK DAY OR WHENEVER THE WORK ZONE BECOMES INACTIVE, ANY DROP-OFF ADJACENT TO THE PEDESTRIAN, BICYCLE OR WHEELCHAIR TRAVEL PATHS SHALL BE BACKFILLED FLUSH THE TRAVEL PATH OR SHALL BE PROTECTED WITH BARRICADES, TEMPORARY BARRIER WALL, OR APPROVED HANDRAIL COST TO BE INCLUDED IN THE BID.
16. PEDESTRIAN, BICYCLE AND WHEELCHAIR TRAFFIC SHALL BE GUIDED AND MAINTAINED USING APPROVED WARNING LIGHTS, SIGNING AND CHANNELIZATION DEVICES. SUCH CONTROL DEVICES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH FDOT SPECIFICATIONS AND MUTCD SECTIONS ON WORK ZONE TRAFFIC CONTROL. COST TO BE INSTALLED IN THE BID.
17. IF THERE ARE UNEVEN PAVEMENT SURFACES DURING CONSTRUCTION, THE VERTICAL "DROP OFF" DIFFERENCE SHALL NOT BE MORE THAN 3 INCHES IN HEIGHT BETWEEN THE ADJACENT SURFACES.
18. CONTRACTOR SHALL MAINTAIN ACCESS TO RESIDENCES AND BUSINESSES FOR GARBAGE/SANITATION PICK-UP ALONG THE PROJECT. ALL COSTS WITH MAINTAINING ACCESS TO BE INCLUDED IN THE BID.
19. CONTRACTOR SHALL MAINTAIN CURRENT LEVELS OF ROADWAY LIGHTING WITHIN THE PROJECT LIMITS AT ALL TIMES THROUGHOUT THE DURATION OF THE PROJECT. ALL COSTS WITH MAINTAINING LIGHTING TO BE INCLUDED IN THE BID.

Plotted By:Rainier, Flinn Sheet Set:SAGA BAY DRAINAGE IMPROVEMENTS Layout:C001.2 General Notes August 06, 2025 12:05:46pm K:\MI_civil\043_jobs\04345105_saga bay drainage improvements\CAD\plansheets\C100.2 GENERAL NOTES.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON ★ No 85268 ★ STATE OF FLORIDA ★ PROFESSIONAL ENGINEER ★ LICENSE

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

SAGA BAY DRAINAGE IMPROVEMENTS-NORTH
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

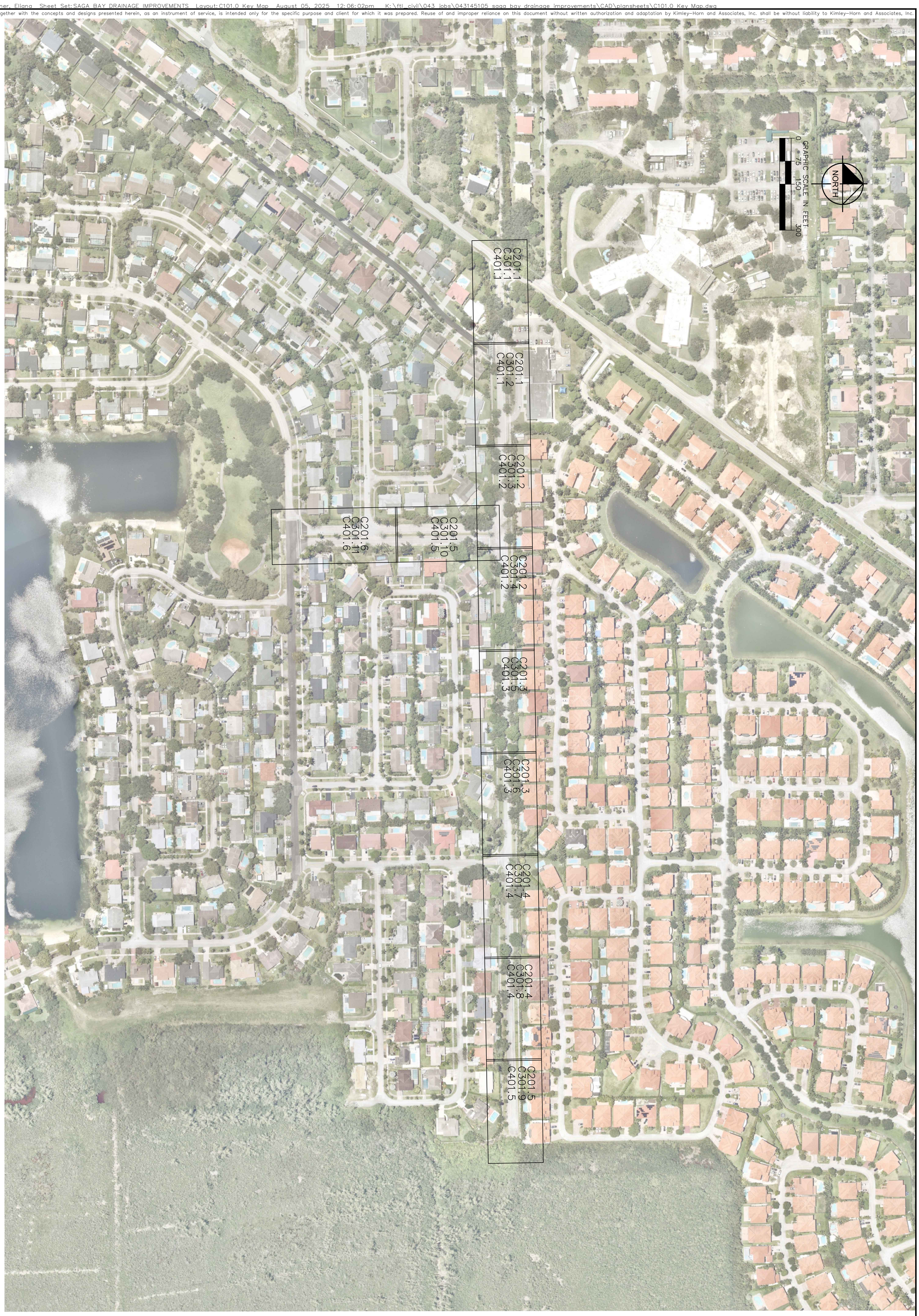
GENERAL NOTES

SHEET NUMBER
C001.2

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
www.callsunshine.com

Plotted By: Beziner, Eliana Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C101.0 Key Map August 05, 2025 12:06:02pm K:\ftl_civil\043 jobs\043145105 saga bay drainage improvements\CAD\plansheets\C101.0 Key Map.dwg

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



811 KNOW WHAT'S BELOW BEFORE YOU DIG www.callsunshine.com

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

SHEET NUMBER C101.0

SAGA BAY DRAINAGE IMPROVEMENTS-NORTH
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

KEY MAP

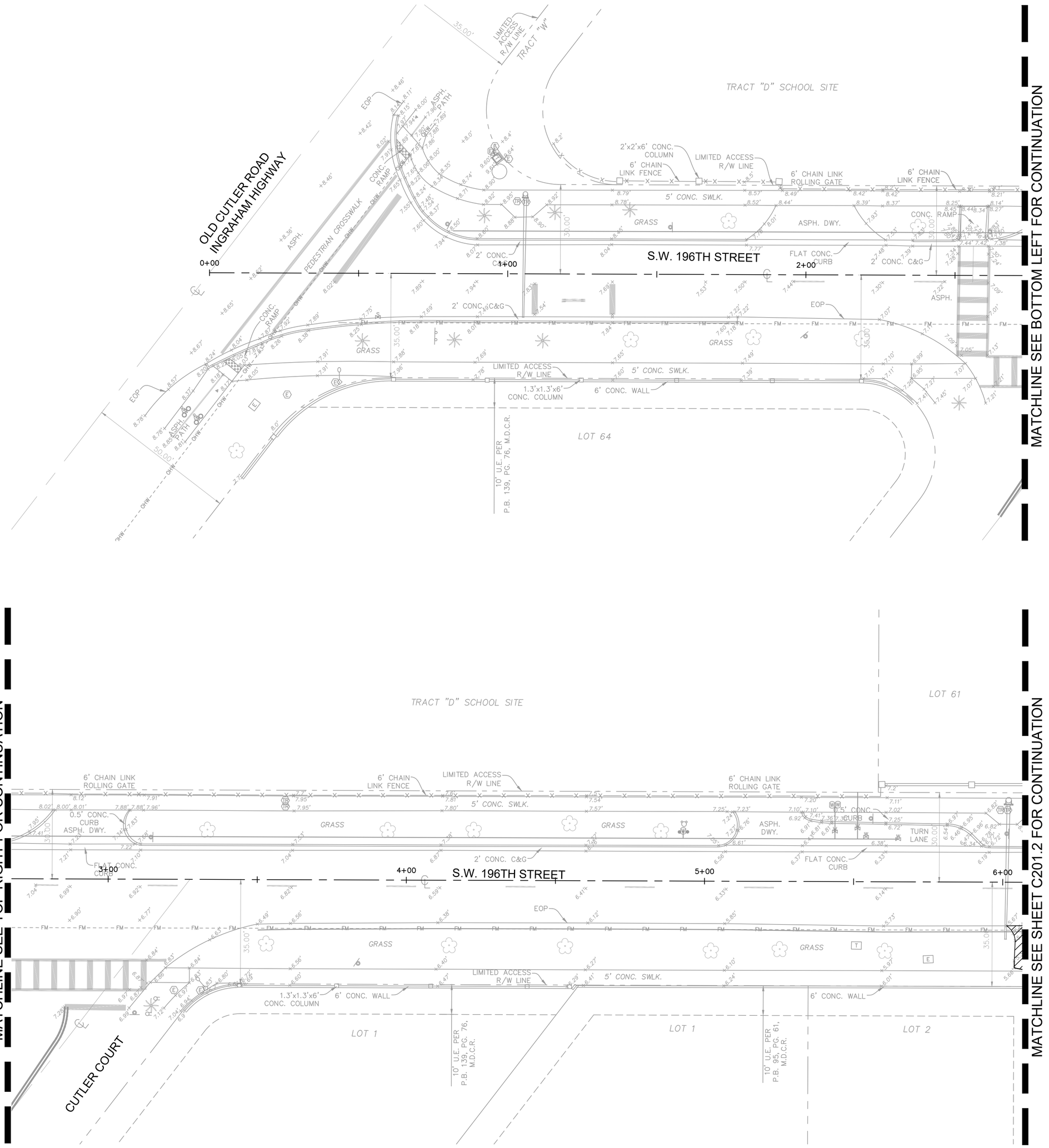
KHA PROJECT 043145105
DATE MAY 2025
SCALE AS SHOWN
DESIGNED BY TS
DRAWN BY DM
CHECKED BY SV

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: 8/7/2025

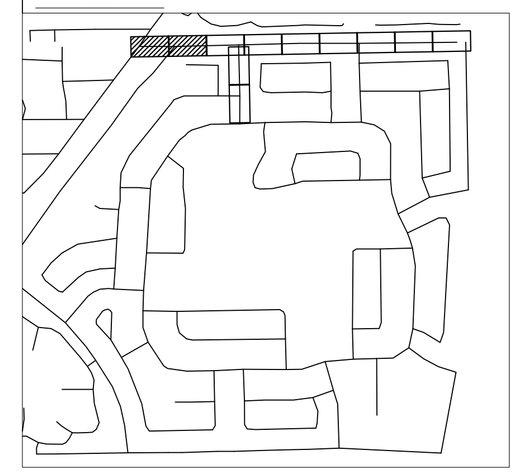
Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

No.	REVISIONS	DATE	BY



KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- PROPOSED SILT FENCE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING LIGHTPOLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROPOSED INLET SEDIMENT BARRIER
- EXISTING TO BE REMOVED

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
3. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
4. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
5. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
6. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
7. ALL EXISTING SIGNS IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
8. ALL TREES ARE TO BE PROTECTED AT ALL TIMES DURING CONSTRUCTION

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

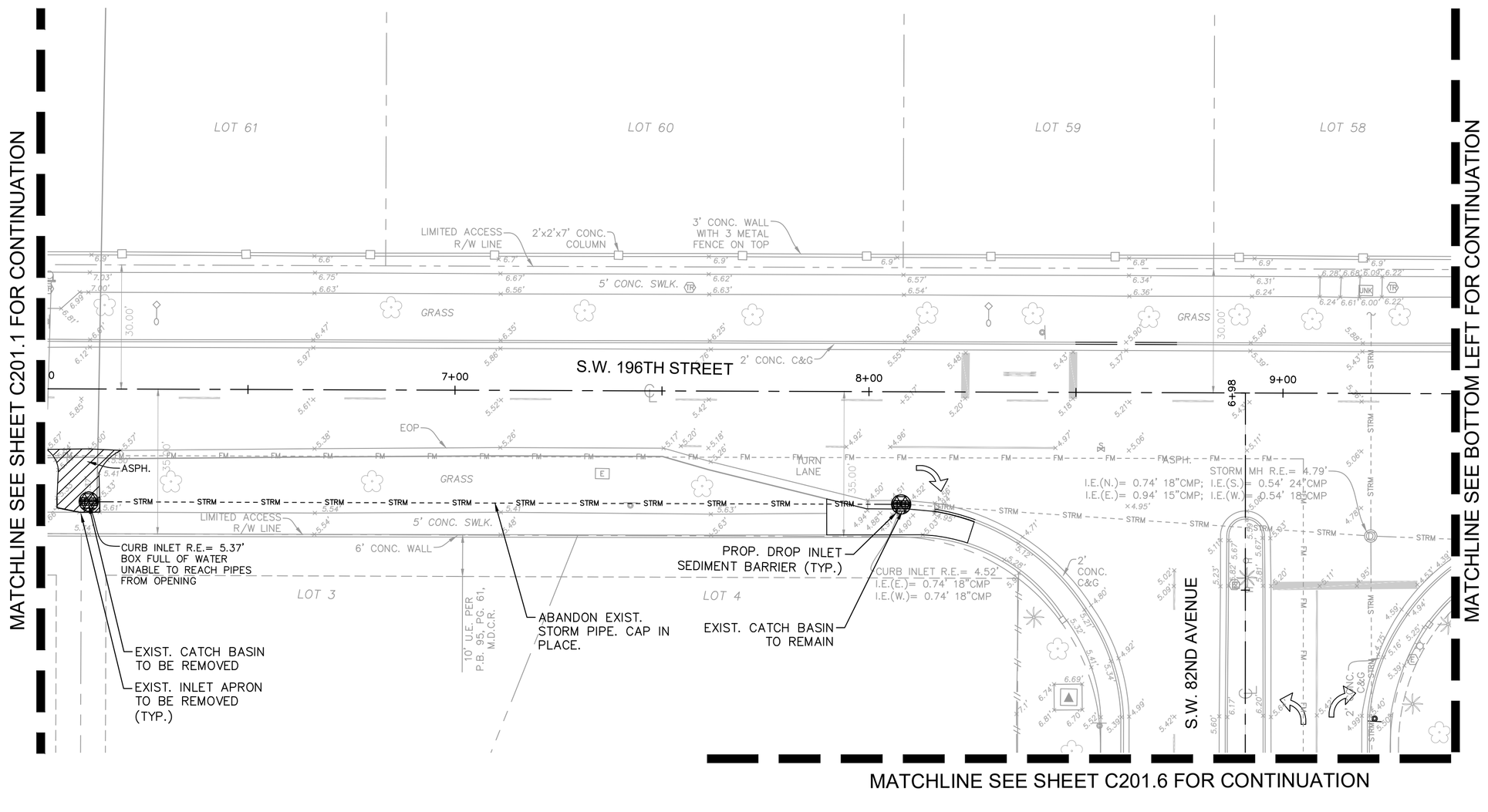
DEMOLITION AND EROSION CONTROL PLAN

SAGA BAY DRAINAGE IMPROVEMENTS-NORTH
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C201.1

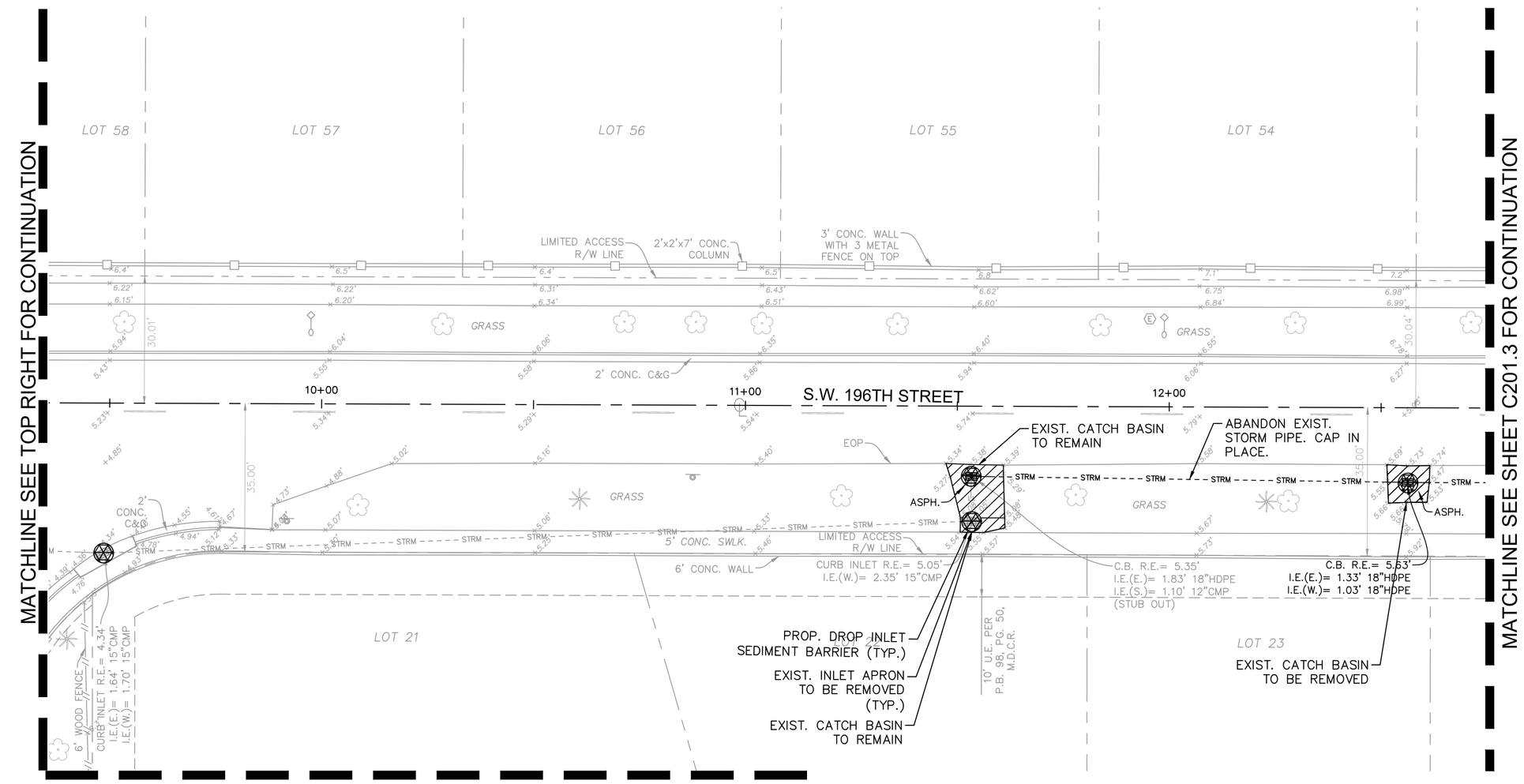
811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.sunshine811.com

Plotted By: Rainier, Flores Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C201.1 Demolition and Erosion Control Plan August 06, 2025 12:06:17pm K:\MI_civil\043145105 saga bay drainage improvements\CAD\sheetset\C200.1 Demolition and Erosion Control Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



NORTH

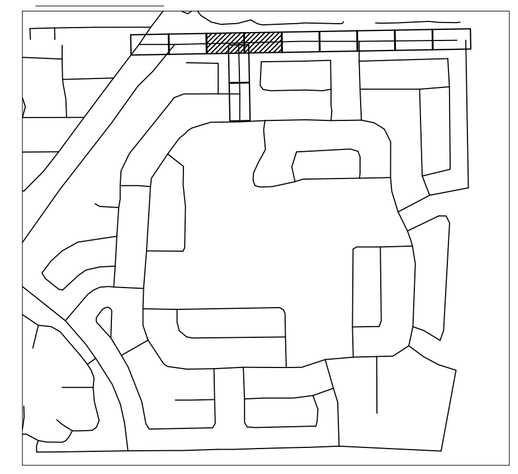
GRAPHIC SCALE IN FEET
0 10 20 40



NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- PROPOSED SILT FENCE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING LIGHTPOLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROPOSED INLET SEDIMENT BARRIER
- EXISTING TO BE REMOVED

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
3. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
4. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
5. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
6. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
7. ALL EXISTING SIGNS IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
8. ALL TREES ARE TO BE PROTECTED AT ALL TIMES DURING CONSTRUCTION

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
FILE: (PLOTTED)
DATE: (PLOTTED)

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

DEMOLITION AND EROSION CONTROL PLAN

SAGA BAY DRAINAGE IMPROVEMENTS-NORTH
PREPARED FOR
TOWN OF CUTLER BAY

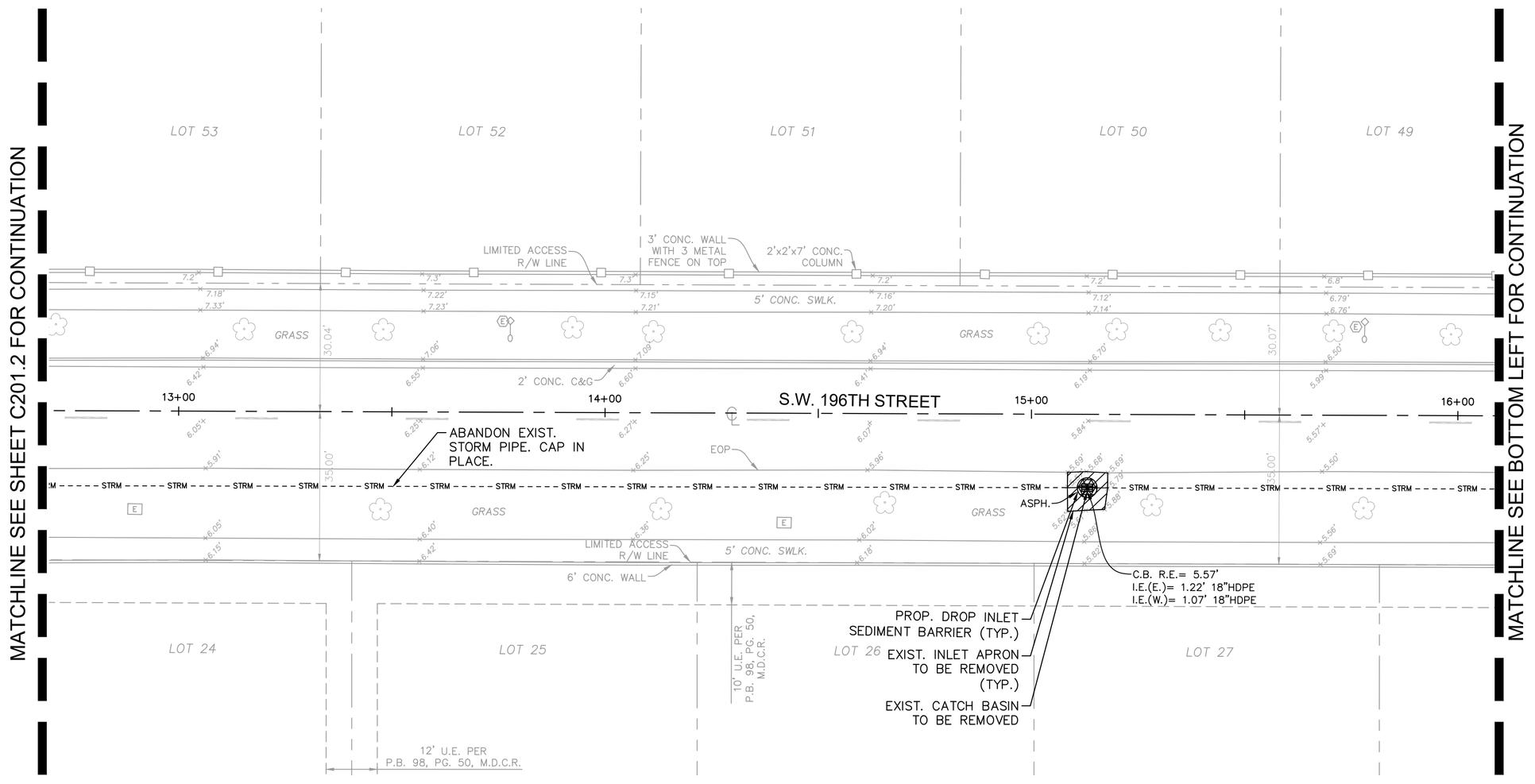
CUTLER BAY FLORIDA

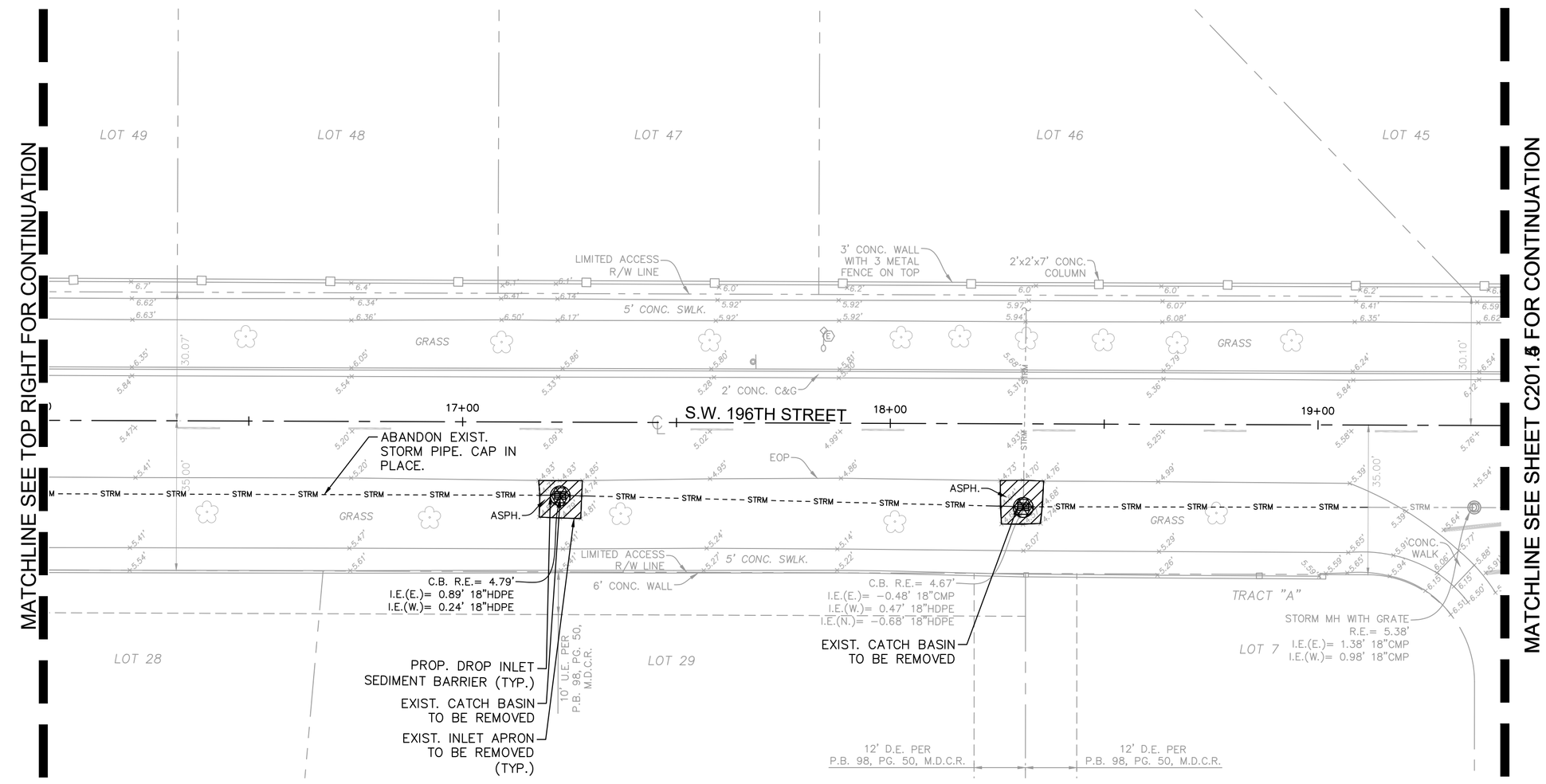
SHEET NUMBER
C201.2

811 KNOW WHAT'S BELOW. CALL BEFORE YOU DIG! It's fast. It's free. It's the law. www.callsunshine.com

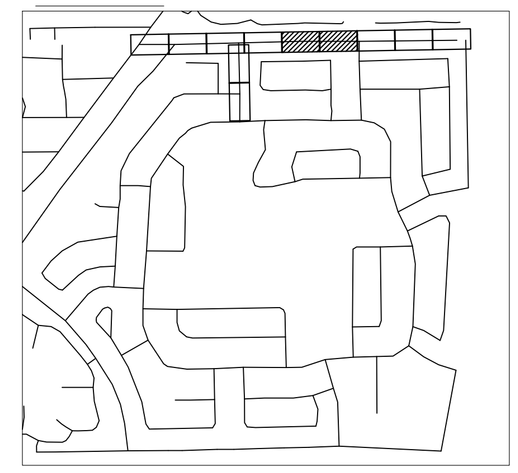
Plotted By:Rapinder Filipos, Sheet Set:SAGA BAY DRAINAGE IMPROVEMENTS, Layout:C201.2 Demolition and Erosion Control Plan, August 05, 2025, 12:06:26pm, K:\MIA_civil\043145105 saga bay drainage improvements\CAD\sheetset\C200.1 Demolition and Erosion Control Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Town of Cutler Bay | ITB No. 25-04
Saga Bay Drainage Improvements
Page 192 of 230
Attachment 1 - Plans





KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- PROPOSED SILT FENCE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING LIGHTPOLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROPOSED INLET SEDIMENT BARRIER
- EXISTING TO BE REMOVED

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
3. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
4. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
5. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
6. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
7. ALL EXISTING SIGNS IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
8. ALL TREES ARE TO BE PROTECTED AT ALL TIMES DURING CONSTRUCTION

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: 10/1/2025

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

DEMOLITION AND EROSION CONTROL PLAN

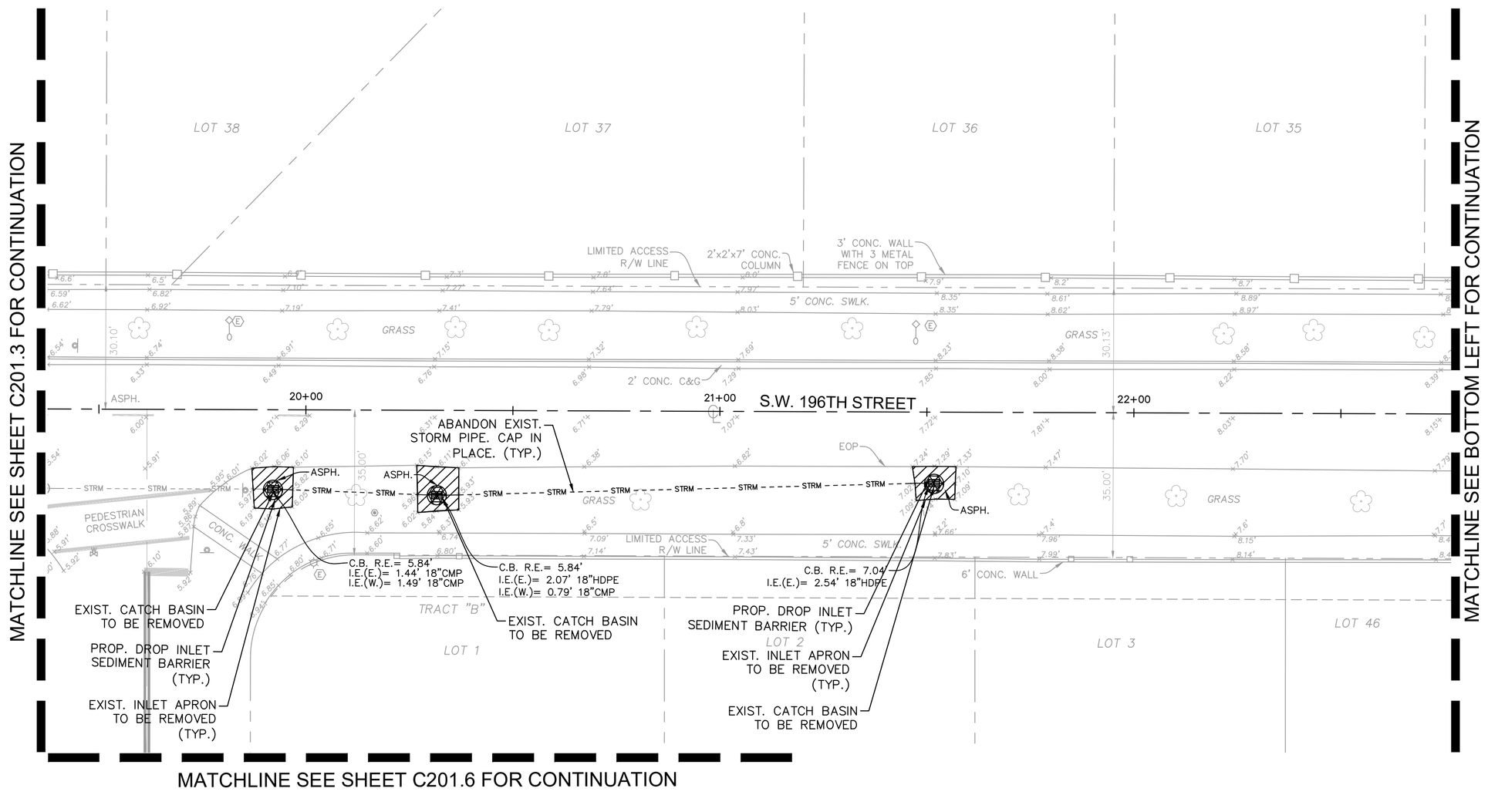
SAGA BAY DRAINAGE IMPROVEMENTS-NORTH
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

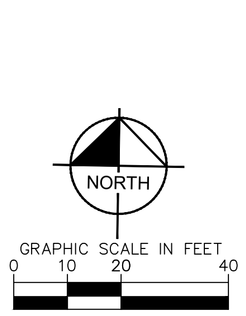
SHEET NUMBER
C201.3

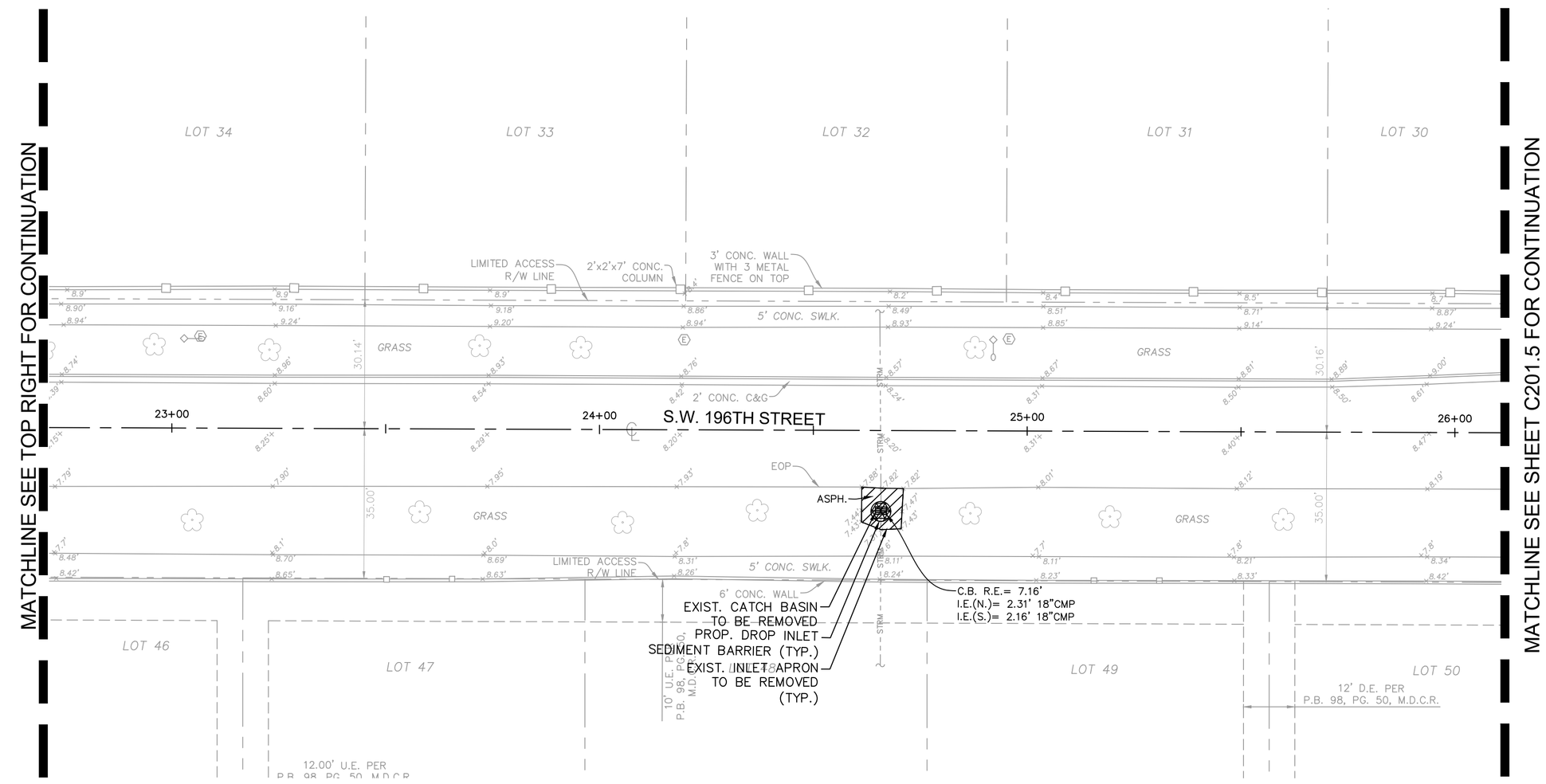
811 KNOW WHAT'S BELOW CALL OR CLICK BEFORE YOU DIG
It's fast, it's free, it's the law.
www.callsunshine.com

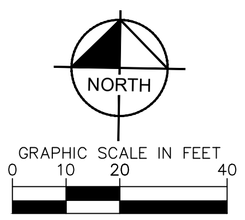
Plotted By:Rapinder Filone, Sheet Set:SAGA BAY DRAINAGE IMPROVEMENTS - I:\output\C201.3 Demolition and Erosion Control Plan August 05, 2025 12:06:35pm K:\MI_civil\043145105 saga bay drainage improvements\CAD\sheetset\C200.1 Demolition and Erosion Control Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Town of Cutler Bay | ITB No. 25-04
Saga Bay Drainage Improvements Project
Page 193 of 230

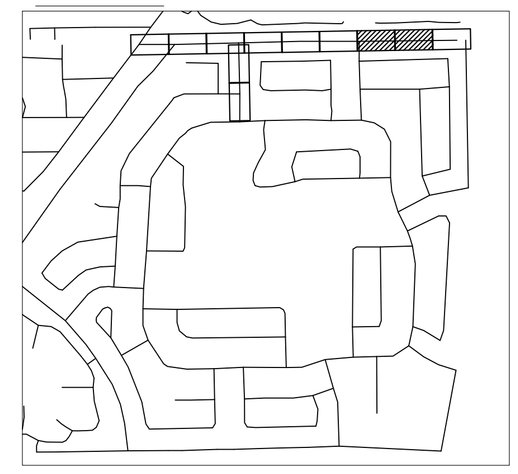








KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- PROPOSED SILT FENCE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING LIGHTPOLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROPOSED INLET SEDIMENT BARRIER
- EXISTING TO BE REMOVED

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
3. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
4. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
5. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
6. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
7. ALL EXISTING SIGNS IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
8. ALL TREES ARE TO BE PROTECTED AT ALL TIMES DURING CONSTRUCTION

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON ★ LICENSE ★ No 85268 ★ STATE OF FLORIDA ★ PROFESSIONAL ENGINEER
DATE: 10/31/2025

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

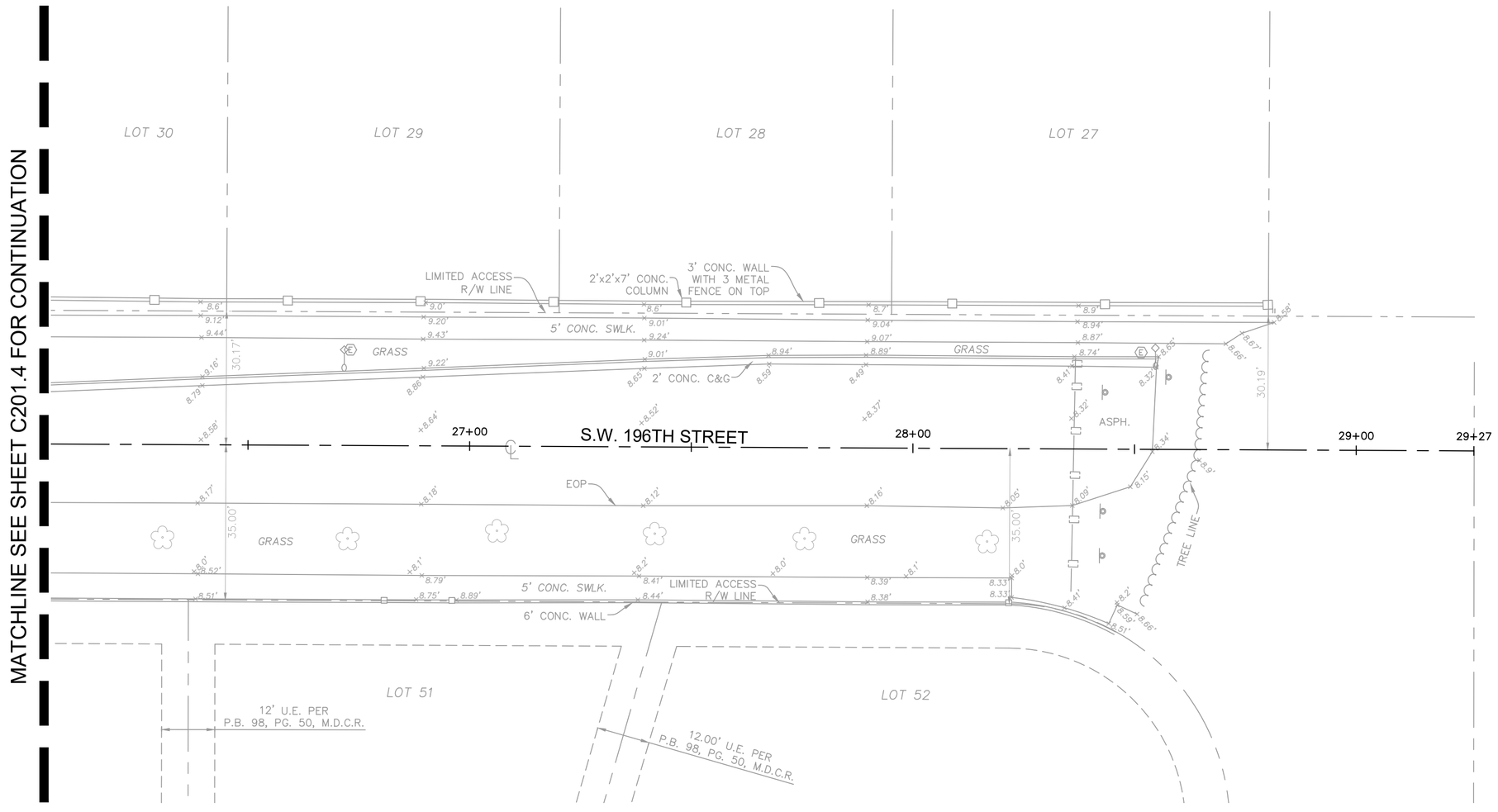
DEMOLITION AND EROSION CONTROL PLAN

SAGA BAY DRAINAGE IMPROVEMENTS-NORTH
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

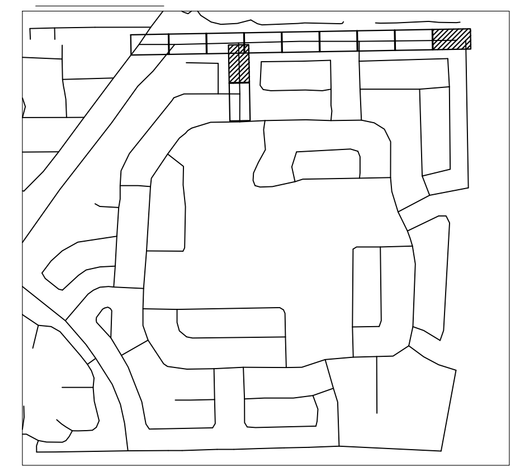
SHEET NUMBER
C201.4

811 KNOW WHAT'S BELOW. CALL BEFORE YOU DIG! It's fast. It's free. It's the law.
www.callsunshine.com

Plotted By: Rapinder Filipos, Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS
K:\FLL_civil\043145105 saga bay drainage improvements\CAD\sheetset\C200.1 Demolition and Erosion Control Plan.dwg
August 05, 2025, 12:06:46pm
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.
Town of Cutler Bay | ITB No. 25-04
Saga Bay Drainage Improvements Project
Page 194 of 329



KEY MAP

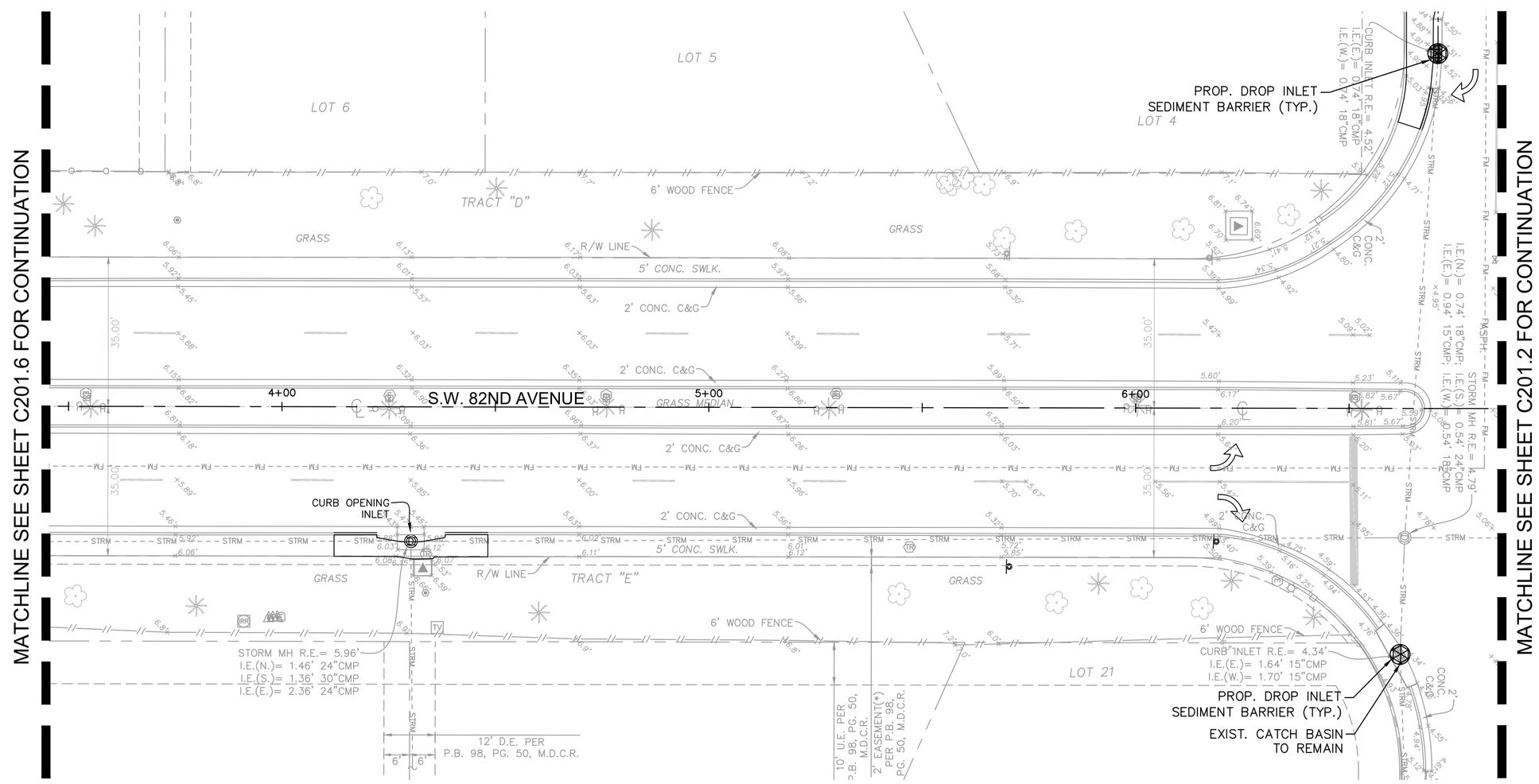


LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- PROPOSED SILT FENCE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING LIGHTPOLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROPOSED INLET SEDIMENT BARRIER
- EXISTING TO BE REMOVED

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
3. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
4. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
5. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
6. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
7. ALL EXISTING SIGNS IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
8. ALL TREES ARE TO BE PROTECTED AT ALL TIMES DURING CONSTRUCTION



This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON ★ LICENSE ★ No 85268 ★ STATE OF FLORIDA ★ PROFESSIONAL ENGINEER
DATE: 10/14/2025

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

DEMOLITION AND EROSION CONTROL PLAN

SAGA BAY DRAINAGE IMPROVEMENTS-NORTH
PREPARED FOR
TOWN OF CUTLER BAY

CUTLER BAY FLORIDA

SHEET NUMBER
C201.5

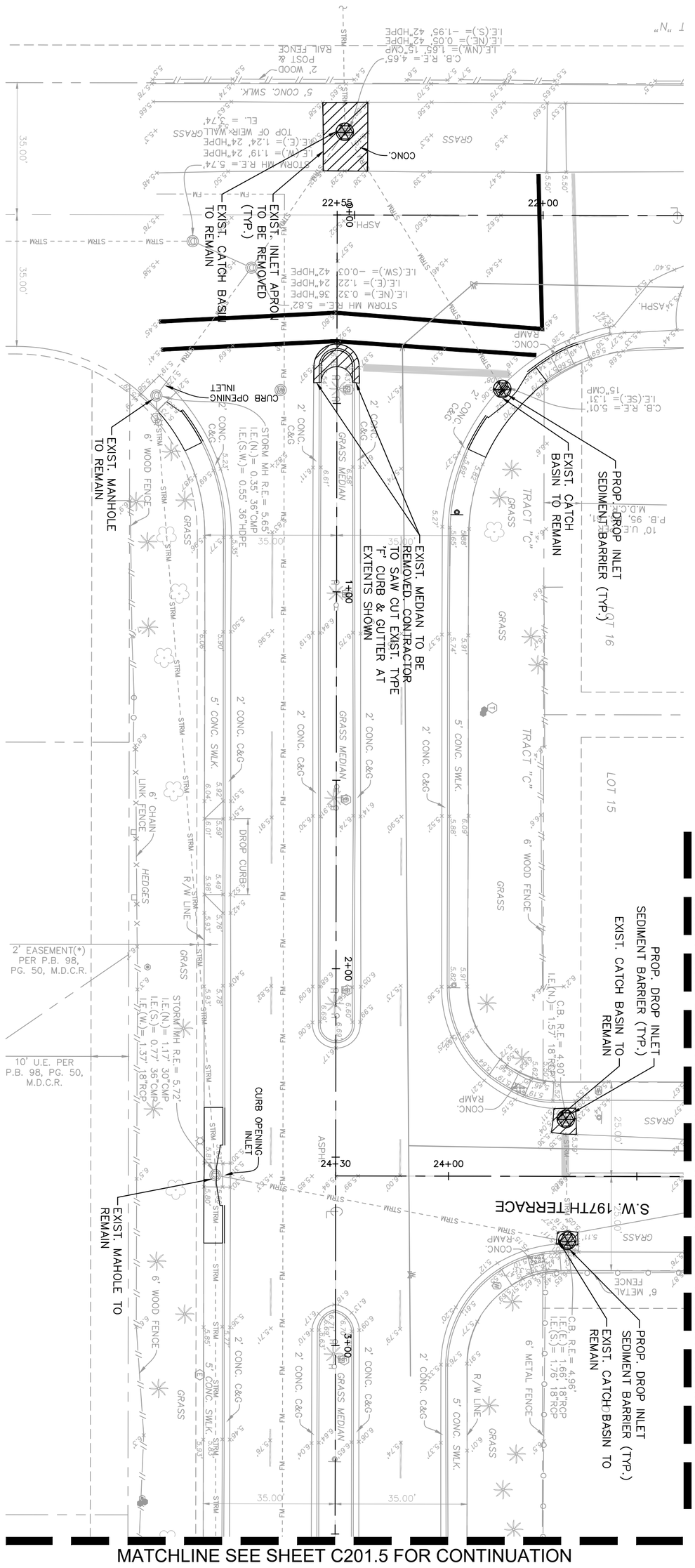
811 KNOW WHAT'S BELOW Call before you dig. Es ley. It's the law. www.callsunshine.com

Plotted By: Rapinder Filone, Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS, Layout: C201.5 Demolition and Erosion Control Plan, August 05, 2025 - 12:06:56pm K:\MI_civil\043_Jobs\043145105_saga bay drainage improvements\CAD\sheetset\C200.1 Demolition and Erosion Control Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

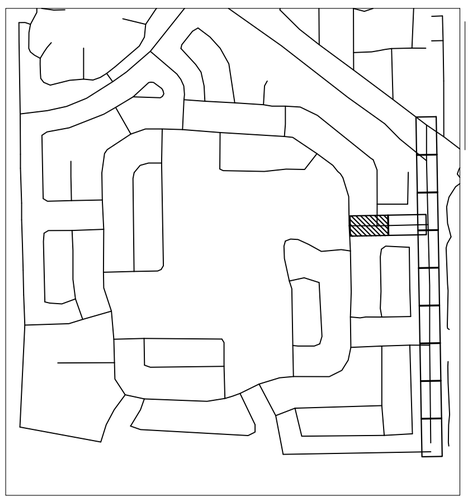
Town of Cutler Bay | ITB No. 25-04
Saga Bay Drainage Improvements
Page 156 of 230

Plotted By: Beziner, Eliana Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C201.6 Demolition and Erosion Control Plan August 05, 2025 12:07:02pm K:\ftl_civil\043 jobs\043145105 saga bay drainage improvements\CAD\plansheets\C200.1 Demolition and Erosion Control Plan.dwg

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- PROPOSED SILT FENCE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING LIGHTPOLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROPOSED INLET SEDIMENT BARRIER
- EXISTING TO BE REMOVED

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
3. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
4. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
5. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
6. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
7. ALL EXISTING SIGNS IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
8. ALL TREES ARE TO BE PROTECTED AT ALL TIMES DURING CONSTRUCTION

811 KNOW WHAT'S BELOW. CALL TWO WORKING DAYS BEFORE YOU DIG. It's fast, it's free, it's the law. www.callsunshine.com

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

SHEET NUMBER C201.6

SAGA BAY DRAINAGE IMPROVEMENTS-NORTH
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

DEMOLITION AND EROSION CONTROL PLAN

KHA PROJECT 043145105
DATE MAY 2025
SCALE AS SHOWN
DESIGNED BY TS
DRAWN BY DM
CHECKED BY SV

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: 8/5/2025

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

No.	REVISIONS	DATE	BY

A. DEMOLITION NOTES

1. SOME INCIDENTAL ITEMS MAY HAVE BEEN INADVERTENTLY OMITTED FROM THE PLANS. THE CONTRACTOR IS ENCOURAGED TO THOROUGHLY INSPECT THE SITE AS WELL AS REVIEW THE PLANS AND SPECIFICATIONS PRIOR TO SUBMITTING PRICING. CONTRACTOR WILL NOT RECEIVE ADDITIONAL COMPENSATION FOR INCIDENTAL ITEMS NOT SHOWN ON THIS DEMOLITION PLAN.
2. THE DEMOLITION PLAN IS BASED ON AVAILABLE UTILITY INFORMATION AND MAY OR MAY NOT BE ALL INCLUSIVE FOR THIS SITE. ANY UTILITIES ENCOUNTERED DURING DEMOLITION THAT ARE NOT DEPICTED/ADDRESSED ON THIS DRAWING SHOULD BE BROUGHT TO THE ATTENTION OF THE PROJECT ENGINEER IMMEDIATELY.
3. CONTRACTOR IS REQUIRED TO OBTAIN ALL DEMOLITION PERMITS.
4. ALL FEATURES IDENTIFIED ON THIS PLAN WHICH ARE LISTED TO BE DEMOLISHED ARE TO BE REMOVED FROM THE SITE. AFTER DEMOLITION IS COMPLETE THE SITE SHALL BE DELIVERED IN A CONDITION SUITABLE FOR DEVELOPMENT.
5. CONTRACTOR IS RESPONSIBLE FOR CONTROLLING AIRBORNE DUST AND POLLUTANTS BY USING WATER SPRINKLING OR OTHER SUITABLE MEANS OF CONTROL.
6. CONTRACTOR TO USE CARE IN HANDLING DEBRIS FROM THE SITE TO ENSURE THE SAFETY OF THE PUBLIC. HAUL ROUTE TO BE CLOSELY MONITORED FOR DEBRIS OR MATERIALS TRACKED ONTO ADJOINING ROADWAYS, SIDEWALKS, ETC. ROADWAYS AND WALKWAYS TO BE CLEARED DAILY OR AS NECESSARY TO MAINTAIN PUBLIC SAFETY.
7. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
8. WHERE REMAINING, INLETS, MANHOLE COVERS, AND VALVE COVERS TO BE PROTECTED IN PAVEMENT REMOVAL AREAS.
9. SEE SITE PLAN AND GRADING PLAN FOR LIMITS AND GRADING OF RESURFACED DRIVEWAYS AND ENTRANCES.
10. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
11. SEE EROSION CONTROL PLAN FOR INLET PROTECTION AND EROSION PREVENTION.
12. CONTRACTOR TO REROUTE EXISTING IRRIGATION SYSTEM AS NECESSARY TO MAINTAIN IRRIGATION FLOW TO AREAS OUTSIDE THE DEMOLITION ZONE.
13. PROTECT ALL WATER MAINS. CONTRACTOR TO NOTIFY UTILITY PROVIDER IMMEDIATELY, AND REPAIR UPON UTILITY PROVIDER'S DIRECTION.
14. CONTRACTOR TO MAINTAIN PEDESTRIAN TRAFFIC FLOW DURING REMOVAL/REINSTALLATION OF SIDEWALKS.

B. BEST MANAGEMENT PRACTICES (BMPS)

1. THIS PLAN HAS BEEN PREPARED TO ENSURE COMPLIANCE WITH APPROPRIATE CONDITIONS OF THE MIAMI-DADE COUNTY LAND DEVELOPMENT REGULATIONS, THE RULES OF THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP), CHAPTER 17-25, F.A.C., THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD), CHAPTER 40D-4, F.A.C. AND THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (EPA) DOCUMENT NO. EPA 832/R-92-005 (SEPTEMBER 1992). THE PLAN ADDRESSES THE FOLLOWING:
   a. PREVENT LOSS OF SOIL DURING CONSTRUCTION BY STORMWATER RUNOFF AND/OR WIND EROSION, INCLUDING PROTECTING TOPSOIL BY STOCKPILING FOR REUSE.
   b. SEDIMENTION PROTECTION OF STORM SEWER OR RECEIVING STREAM.
   c. PREVENT POLLUTING THE AIR WITH DUST AND PARTICULATE MATTER. THE VARIOUS TECHNIQUES OR ACTIONS IDENTIFIED UNDER EACH SECTION INDICATE THE APPROPRIATE SITUATION WHEN THE TECHNIQUES SHOULD BE EMPLOYED. ALSO IDENTIFIED IS A CROSS-REFERENCE TO A DIAGRAM OR FIGURE REPRESENTING THE TECHNIQUE. IT SHOULD BE NOTED THAT THE MEASURES IDENTIFIED ON THIS PLAN ARE ONLY SUGGESTED BMP(S). THE CONTRACTOR SHALL PROVIDE POLLUTION PREVENTION AND EROSION CONTROL MEASURES AS SPECIFIED IN ACCORDANCE WITH THE CURRENT FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) REQUIREMENTS. CONTRACTOR SHALL PREPARE REQUIRED NPDES DOCUMENTATION AND OBTAIN PERMIT PRIOR TO COMMENCEMENT OF CONSTRUCTION. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO PREPARE THE REQUIRED NPDES DOCUMENT AND OBTAIN THE NPDES PERMIT. ALL COST ASSOCIATED WITH SUCH WORK SHALL BE DEEMED INCIDENTAL TO THE PROJECT LUMP SUM COST.

B. GENERAL EROSION CONTROL NOTES

1. THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IS COMPRISED OF THESE EROSION CONTROL DRAWINGS, THE STANDARD DETAILS, THE NPDES PERMIT (TO BE OBTAINED BY CONTRACTOR) AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS.
2. ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THIS DRAWING AND THE STATE OF FLORIDA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES PERMIT) AND BECOME FAMILIAR WITH THEIR CONTENTS.
3. CONTRACTOR SHALL OBTAIN ANY NECESSARY DEWATERING PERMITS AS SITE CONDITIONS AND CONSTRUCTION ACTIVITIES REQUIRE.
4. CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES (BMP) IN ALL CONSTRUCTION ACTIVITIES INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
   a. FUEL SPILLS AND LEAKS PREVENTION
   b. PREVENT/REDUCE VEHICLE AND EQUIPMENT WASHING AND STEAM CLEANING
   c. VEHICLE AND EQUIPMENT MAINTENANCE AND REPAIR
   d. PROPER OUTDOOR LOADING/UNLOADING OF MATERIALS
   e. PREVENT/REDUCE OUTDOOR STORAGE OF RAW MATERIALS, PRODUCTS, AND BY-PRODUCTS
   f. SOLID WASTE MANAGEMENT
   g. HAZARDOUS WASTE MANAGEMENT
   h. CONCRETE WASTE MANAGEMENT
   i. SANDBLASTING WASTE MANAGEMENT
   j. STRUCTURE CONSTRUCTION AND PAINTING
   k. SPILL PREVENTION AND CONTROL
   l. CONTAMINATED SOIL MANAGEMENT
   m. SANITARY/SEPTIC WASTE MANAGEMENT
   n. SOIL EROSION CONTROL
   o. STORM WATER TURBIDITY MANAGEMENT
5. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST TO THE OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
6. BEST MANAGEMENT PRACTICES (BMPS) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY OR OWNER.
7. SITE MAP MUST CLEARLY DELINEATE ALL STATE WATERS. CONTRACTOR MUST MAINTAIN ALL PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED WETLANDS ON SITE AT ALL TIMES.
8. CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL OR AS REQUIRED BY THE GENERAL PERMIT.
9. CONTRACTOR SHALL BEGIN CLEARING AND GRUBBING THOSE PORTIONS OF THE SITE NECESSARY TO IMPLEMENT PERIMETER CONTROL MEASURES. CLEARING AND GRUBBING FOR THE REMAINING PORTIONS OF THE PROPOSED SITE SHALL COMMENCE ONCE PERIMETER CONTROLS ARE IN PLACE. PERIMETER CONTROLS SHALL BE ACTIVELY MAINTAINED UNTIL SAID AREAS HAVE BEEN STABILIZED AND SHALL BE REMOVED ONCE FINAL STABILIZATION IS COMPLETE.
10. GENERAL EROSION CONTROL BMPS SHALL BE EMPLOYED TO MINIMIZE SOIL EROSION AND POTENTIAL LAKE SLOPE CAVE-INS. WHILE THE VARIOUS TECHNIQUES REQUIRED WILL BE SITE AND PLAN SPECIFIC, THEY SHOULD BE EMPLOYED AS SOON AS POSSIBLE DURING CONSTRUCTION.
11. ON-SITE & OFF-SITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE SITE MAP AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.
12. SURFACE WATER QUALITY SHALL BE MAINTAINED BY EMPLOYING THE FOLLOWING BMP'S IN THE CONSTRUCTION PLANNING AND CONSTRUCTION OF ALL IMPROVEMENTS.
13. IT SHOULD BE NOTED THAT THE MEASURE IDENTIFIED ON THIS PLAN ARE ONLY SUGGESTED BMP(S). THE CONTRACTOR SHALL PROVIDE POLLUTION PREVENTION AND EROSION CONTROL MEASURES AS NECESSARY TO CONFORM TO CURRENT CITY, FDEP AND SFWMD CODES AND SPECIFICATIONS.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTION OF ANY EROSION OR WATER QUALITY PROBLEMS THAT RESULT FROM THE CONSTRUCTION ACTIVITIES.

C. STORM WATER EROSION CONTROL PRACTICES

1. CONTRACTORS OR SUBCONTRACTORS WILL BE RESPONSIBLE FOR REMOVING SEDIMENT FROM DETENTION PONDS AND ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE STABILIZATION OF THE SITE.
2. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
3. DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES (COMPOST SOCK DEVICES, ETC.) TO PREVENT EROSION.
4. WHERE PRACTICAL, STORMWATER SHALL BE CONVEYED BY SWALES.
5. EROSION CONTROL MEASURES SHALL BE EMPLOYED TO MINIMIZE TURBIDITY OF SURFACE WATERS LOCATED DOWNSTREAM OF ANY CONSTRUCTION ACTIVITY. WHILE THE VARIOUS MEASURES REQUIRED WILL BE SITE SPECIFIC, THEY SHALL BE EMPLOYED AS NEEDED IN ACCORDANCE WITH THE FOLLOWING:
   a. IN GENERAL, EROSION SHALL BE CONTROLLED AT THE FURTHEST PRACTICAL UPSTREAM LOCATION.
   b. STORMWATER INLETS SHALL BE PROTECTED DURING CONSTRUCTION. PROTECTION MEASURES SHALL BE EMPLOYED AS SOON AS PRACTICAL DURING THE VARIOUS STAGES OF INLET CONSTRUCTION. SILT BARRIERS SHALL REMAIN IN PLACE UNTIL SODDING AROUND INLETS IS COMPLETE.
   c. WHEN NEEDED A TEMPORARY SEDIMENT TRAP SHOLD BE CONSTRUCTED TO DETAIN SEDIMENT-LADEN RUNOFF FROM DISTURBED AREAS.
6. SILT BARRIERS, ANY SILT WHICH ACCUMULATES BEHIND THE BARRIERS, AND ANY FILL USED TO ANCHOR THE BARRIERS SHALL BE REMOVED PROMPTLY AFTER THE END OF THE MAINTENANCE PERIOD SPECIFIED FOR THE BARRIERS.
7. SLOPES OF BANKS OF RETENTION/DETENTION PONDS SHALL BE CONSTRUCTED NOT STEEPER THAN 3H:1V FROM TOP OF BANK TO TWO FEET BELOW NORMAL WATER LEVEL, AS APPLICABLE.
8. SOD SHALL BE PLACED FOR A 2-FOOT WIDE STRIP ADJOINING ALL CURBING AND AROUND ALL INLETS. SOD SHALL BE PLACED BEFORE SILT BARRIERS ARE REMOVED.
9. WHERE REQUIRED TO PREVENT EROSION FROM SHEET FLOW ACROSS BARE GROUND FROM ENTERING A LAKE OR SWALE, A TEMPORARY SEDIMENT SUMP SHALL BE CONSTRUCTED.
10. FILTER FABRIC SHOULD BE USED FOR STORM DRAIN INLET PROTECTION BEFORE FINAL STABILIZATION.
11. FLOATING TURBIDITY BARRIERS SHALL BE INSTALLED PRIOR TO CONSTRUCTION AND INSTALLATION OF DRAINAGE OUTFALL PIPE AND ENDWALL.
12. EXISTING DRAINAGE FLOW PATTERNS AND POSITIVE DRAINAGE TO EXISTING OUTFALLS SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
13. ALL NEW INLETS INSTALLED UNDER THIS PROJECT SHALL RECEIVE IN LET PROTECTIO

D. WIND EROSION CONTROL PRACTICES

1. WIND EROSION SHALL BE CONTROLLED BY EMPLOYING THE FOLLOWING METHODS AS NECESSARY AND APPROPRIATE:
   a. BARE EARTH AREAS SHALL BE WATERED DURING CONSTRUCTION AS NECESSARY TO MINIMIZE THE TRANSPORT OF FUGITIVE DUST. IT MAY BE NECESSARY TO LIMIT CONSTRUCTION VEHICLE SPEED IF BARE EARTH HAS NOT BEEN EFFECTIVELY WATERED. IN NO CASE SHALL FUGITIVE DUST BE ALLOWED TO LEAVE THE SITE UNDER CONSTRUCTION.
   b. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HASPERMANENTLY STOPPED SHALL BE PERMANENTLY SEEDED (SEE PERMANENT STABALIZATION PRACTICES FOR DETAILS). THESE AREAS SHALL BE SEEDED NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS. REFER TO THE GRADING PLAN AND/OR LANDSCAPE PLAN. CLEARED SITE DEVELOPMENT AREAS NOT CONTINUALLY SCHEDULED FOR CONSTRUCTION ACTIVITIES SHALL BE COVERED WITH HAY OR OVERSEEDED AND PERIODICALLY WATERED SUFFICIENTLY TO STABILIZE THE TEMPORARY GROUNDCOVER (SEE TEMPORARY STABALIZATION PRACTICES FOR DETAILS).
   c. AT ANY TIME BOTH DURING AND AFTER SITE CONSTRUCTION THAT WATERING AND/OR VEGETATION ARE NOT EFFECTIVE IN CONTROLLING WIND EROSION AND/OR TRANSPORT OF FUGITIVE DUST, OTHER METHODS AS ARE NECESSARY FOR SUCH CONTROL SHALL BE EMPLOYED. THESE METHODS SHOULD INCLUDE ERECTION OF DUST CONTROL FENCES. A 6-FT GEOTEXTILE FILTER FIBER SHOULD BE HANGING AGAINST THE EXISTING CHAIN LINK FENCE AND GATE.
2. ALL DUST ON THE SITE SHALL BE CONTROLLED. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.

E. STABILIZATION PRACTICES

1. SHALL BE IN ACCORDANCE WITH DEP DOCUMENT NO 62-621.300(4)(a).
2. DISTURBED PORTIONS OF SITE WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASE FOR AT LEAST 21 DAYS, SHALL BE STABILIZED WITH TEMPORARY SEED AND MULCH NO LATER THAN 14 DAYS FROM THE LAST CONSTRUCTION ACTIVITY IN THAT AREA.
3. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY PERMANENTLY CEASE SHALL BE STABILIZED WITH SOD NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY.

F. STRUCTURAL PRACTICES

1. SHALL BE IN ACCORDANCE WITH DEP DOCUMENT NO 62-621.300(4)(a)

G. WASTE DISPOSAL

1. WASTE MATERIALS – ALL WASTE MATERIALS SHALL BE COLLECTED AND STORED IN A METAL DUMPSTER WITH A SECURE LID IN ACCORDANCE WITH ALL LOCAL AND STATE LAWS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE SHALL BE DEPOSITED IN THE DUMPSTER. THE SUPERINTENDENT SHALL COORDINATE WITH THE LOCAL UTILITIES TO HAVE THE DUMPSTER EMPTIED AT LEAST TWICE A WEEK AND THE WASTE TAKEN TO AN APPROPRIATE LANDFILL. NO CONSTRUCTION WASTE MATERIALS SHALL BE BURIED ON SITE. THE SUPERINTENDENT SHALL ORGANIZE TRAINING FOR THE EMPLOYEES IN THE PROPER PRACTICES WHEN DEALING WITH WASTE MATERIALS. THE SUPERINTENDENT SHALL BE RESPONSIBLE FOR POSTING AND ENFORCING WASTE MATERIAL PROCEDURES.
2. HAZARDOUS WASTE – HAZARDOUS WASTE MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL LOCAL AND STATE LAWS OR AS DIRECTED BY THE MANUFACTURER. THE SUPERINTENDENT SHALL ORGANIZE THE PROPER TRAINING FOR EMPLOYEES IN THE PROPER PRACTICES WHEN DEALING WITH HAZARDOUS WASTE MATERIALS. THESE PROCEDURES SHALL BE POSTED ON THE SITE. THE PERSON WHO MANAGES THE SITE SHALL BE RESPONSIBLE FOR ENFORCING THE PROCEDURES.
3. SANITARY WASTE – SANITARY WASTE SHALL BE COLLECTED AND DISPOSED OF IN ACCORDANCE WITH ALL LOCAL AND STATE LAWS. THE SUPERINTENDENT SHALL COORDINATE WITH THE LOCAL UTILITY FOR COLLECTION OF THE SANITARY WASTE AT LEAST THREE TIMES A WEEK TO PREVENT SPILLAGE ONTO THE SITE.
4. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.

H. OFFSITE TRACKING

1. STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROVIDED TO REDUCE SEDIMENT TRACKING OFFSITE. THE MAJOR ROAD CONNECTED TO THE PROJECT SHALL BE CLEANED ONCE A DAY TO REMOVE ANY EXCESS MUD, DIRT OR ROCK RESULTING FROM CONSTRUCTION TRAFFIC. ALL TRUCKS HAULING MATERIALS OFFSITE SHALL BE COVERED WITH A TARPAULIN.
2. GENERAL CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA, EMPLOYEE PARKING AREA, AND AREA FOR LOCATION PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIES. HEAVY CONSTRUCTION EQUIPMENT PARKING AND MAINTENANCE AREAS SHALL BE DESIGNED TO PREVENT OIL, GREASE, AND LUBRICANTS FROM ENTERING SITE DRAINAGE FEATURES INCLUDING STORMWATER COLLECTION AND TREATMENT SYSTEMS. CONTRACTORS SHALL PROVIDE BROAD DIKES, HAY BALES OR SILT SCREENS AROUND, AND SEDIMENT SUMPS WITHIN, SUCH AREAS AS REQUIRED TO CONTAIN SPILLS OF OIL, GREASE OR LUBRICANTS. CONTRACTORS SHALL HAVE AVAILABLE, AND SHALL USE, ABSORBENT FILTER PADS TO CLEAN UP SPILLS AS SOON AS POSSIBLE AFTER OCCURRENCE.
3. ALL WASH WATER FROM CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC. SHALL BE DETAINED ON SITE AND SHALL BE PROPERLY TREATED OR DISPOSED.
4. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE.
5. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.

I. MAINTENANCE

1. ALL MEASURES STATED ON THIS EROSION AND SEDIMENT CONTROL PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A 0.5" RAINFALL EVENT, AND CLEANED AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:
   a. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING, OR DETERIORATION.
   b. ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED, AND RESEEDED AS NEEDED.
   c. THE COMPOST ROCK FILTRATION DEVICE SHALL BE INSPECTED PERIODICALLY FOR HEIGHT OF SEDIMENT AND CONDITION OF DEVICE. COMPOST SOCK SHALL BE REPAIRED TO ITS ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE COMPOST SOCK WHEN IT REACHES ONE-THIRD THE HEIGHT OF THE COMPOST SOCK.
   d. THE CONSTRUCTION ENTRANCES SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION ENTRANCES AS CONDITIONS DEMAND.
   e. THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AS CONDITIONS DEMAND.
   f. OUTLET STRUCTURES IN THE SEDIMENTATION BASINS SHALL BE MAINTAINED IN OPERATIONAL CONDITIONS AT ALL TIMES. THE SEDIMENT BASINS/DITCHES SHALL BE CHECKED MONTHLY FOR DEPTH OF SEDIMENT. SEDIMENT SHALL BE REMOVED FROM SEDIMENT BASINS OR TRAPS WHEN THE DESIGN CAPACITY HAS BEEN REDUCED BY 10% AND AFTER CONSTRUCTION IS COMPLETE.
   g. ALL MAINTENANCE OPERATIONS SHALL BE DONE IN A TIMELY MANNER BUT IN NO CASE LATER THAN SEVEN CALENDAR DAYS FOLLOWING THE INSPECTION.DIVERSION DIKES SHALL BE INSPECTED MONTHLY. ANY BREACHES SHALL BE PROMPTLY REPAIRED.
   h. A MAINTENANCE REPORT SHALL BE COMPLETED DAILY AFTER EACH INSPECTION OF THE SEDIMENT AND EROSION CONTROL METHODS. THE REPORTS SHALL BE FILED IN AN ORGANIZED MANNER AND RETAINED ON-SITE DURING CONSTRUCTION. AFTER CONSTRUCTION IS COMPLETED, THE REPORTS SHALL BE SAVED FOR AT LEAST THREE YEARS. THE REPORTS SHALL BE AVAILABLE FOR ANY AGENCY THAT HAS JURISDICTION OVER EROSION CONTROL.
   i. ALL REPAIRS MUST BE MADE WITHIN 24 HOURS OF REPORT.
   j. THE SUPERINTENDENT SHALL ORGANIZE THE TRAINING FOR INSPECTION PROCEDURES AND PROPER EROSION CONTROL METHODS FOR EMPLOYEES THAT COMPLETE INSPECTIONS AND REPORTS.
   k. SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE.
2. THE EROSION CONTROL FEATURES INSTALLED BY THE CONTRACTOR SHALL BE ACCEPTABLY MAINTAINED BY THE CONTRACTOR DURING THE CONSTRUCTION PERIOD.

J. SPILL PREVENTION AND CONTROL

THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF.

1. GOOD HOUSEKEEPING
   a. SUPERINTENDENT SHALL INSPECT PROJECT AREA DAILY FOR PROPER STORAGE, USE, AND DISPOSAL OF CONSTRUCTION MATERIALS.
   b. STORE ONLY ENOUGH MATERIAL ON SITE FOR PROJECT COMPLETION.
   c. ALL SUBSTANCES SHOULD BE USED BEFORE DISPOSAL OF CONTAINER.
   d. ALL CONSTRUCTION MATERIALS STORED SHALL BE ORGANIZED AND IN THE PROPER CONTAINER AND IF POSSIBLE, STORED UNDER A ROOF OR PROTECTIVE COVER.
   e. PRODUCTS SHALL NOT BE MIXED UNLESS DIRECTED BY THE MANUFACTURER.
   f. ALL PRODUCTS SHALL BE USED AND DISPOSED OF ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.
   g. PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL.
2. HAZARDOUS PRODUCTS
   a. MATERIALS SHOULD BE KEPT IN ORIGINAL CONTAINER WITH LABELS UNLESS THE ORIGINAL CONTAINERS CANNOT BE RESEALED. IF ORIGINAL CONTAINERS CANNOT BE USED, LABELS AND PRODUCT INFORMATION SHALL BE SAVED.
   b. PROPER DISPOSAL PRACTICES SHALL ALWAYS BE FOLLOWED IN ACCORDANCE WITH MANUFACTURER AND LOCAL/STATE REGULATIONS.
3. PRODUCT SPECIFIC PRACTICES
   a. PETROLEUM PRODUCTS MUST BE STORED IN PROPER CONTAINERS AND CLEARLY LABELED. VEHICLES CONTAINING PETROLEUM PRODUCTS SHALL BE PERIODICALLY INSPECTED FOR LEAKS. PRECAUTIONS SHALL BE TAKEN TO AVOID LEAKAGE OF PETROLEUM PRODUCTS ON SITE.
   b. THE MINIMUM AMOUNT OF FERTILIZER SHALL BE USED AND MIXED INTO THE SOIL IN ORDER TO LIMIT EXPOSURE TO STORM WATER. FERTILIZERS SHALL BE STORED IN A COVERED SHED. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER SHALL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.
   c. PAINT CONTAINERS SHALL BE SEALED AND STORED WHEN NOT IN USE. EXCESS PAINT MUST BE DISPOSED OF IN AN APPROVED MANNER.
   d. EXCESS PAINT WILL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURER'S INSTRUCTIONS OR STATE AND LOCAL REGULATIONS.
   e. CONCRETE TRUCKS SHALL NOT BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON THE SITE.

K. SPILL CLEAN UP

1. IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED ABOVE, THE FOLLOWING PRACTICES SHALL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:
   a. SPILL CLEANUP INFORMATION SHALL BE POSTED ON SITE TO INFORM EMPLOYEES ABOUT CLEANUP PROCEDURES AND RESOURCES.
   b. THE FOLLOWING CLEAN-UP EQUIPMENT MUST BE KEPT ON-SITE NEAR THE MATERIAL STORAGE AREA: GLOVES, MOPS, RAGS, BROOMS, DUST PANS, SAND, SAWDUST, LIQUID ABSORBER, GOGGLES, AND TRASH CONTAINERS.
   c. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ONSITE AND READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
   d. ALL SPILLS SHALL BE CLEANED UP AS SOON AS POSSIBLE.
   e. WHEN CLEANING A SPILL, THE AREA SHOULD BE WELL VENTILATED AND THE EMPLOYEE SHALL WEAR PROPER PROTECTIVE COVERING TO PREVENT INJURY.
   f. TOXIC SPILLS MUST BE REPORTED TO THE PROPER AUTHORITY REGARDLESS OF THE SIZE OF THE SPILL.
   g. AFTER A SPILL, THE PREVENTION PLAN SHALL BE REVIEWED AND CHANGED TO PREVENT FURTHER SIMILAR SPILLS FROM OCCURRING. THE CAUSE OF THE SPILL, MEASURES TO PREVENT IT, AND HOW TO CLEAN THE SPILL UP SHALL BE RECORDED.
   h. THE SUPERINTENDENT SHALL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR AND IS RESPONSIBLE FOR THE DAY TO DAY SITE OPERATIONS. THE SUPERINTENDENT ALSO OVERSEES THE SPILL PREVENTION PLAN AND SHALL BE RESPONSIBLE FOR EDUCATING THE EMPLOYEES ABOUT SPILL PREVENTION AND CLEANUP PROCEDURES.

L. SEQUENCE OF CONSTRUCTION

1. UPON IMPLEMENTATION AND INSTALLATION OF THE FOLLOWING AREAS: TRAILER, PARKING, LAY DOWN, PORTA-POTTY, WHEEL WASH, CONCRETE WASHOUT, FUEL AND MATERIAL STORAGE CONTAINERS, SOLID WASTE CONTAINERS, ETC., IMMEDIATELY DENOTE THEM ON THE SITE MAPS AND NOTE ANY CHANGES IN LOCATION AS THEY OCCUR THROUGHOUT THE CONSTRUCTION PROCESS.
   a. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE, AND INSTALL INLET PROTECTION, TURBIDITY BARRIERS, AND SILT FENCE
   b. DEMOLISH EXISTING STRUCTURES, (IF APPLICABLE)
   c. INSTALL AND STABILIZE ANY NECESSARY HYDRAULIC CONTROL STRUCTURES (DIKES, CHECK DAMS, OUTLET TRAPS, ETC.)
   d. PREPARE CLEARING AND GRUBBING OF THE SITE, (IF APPLICABLE)
   e. PERFORM MASS GRADING, ROUGH GRADE TO ESTABLISH PROPOSED DRAINAGE PATTERNS
   f. TEMPORARILY SEED, THROUGHOUT CONSTRUCTION, DISTURBED AREAS THAT WILL BE INACTIVE FOR 7 DAYS OR MORE AS REQUIRED BY GENERIC PERMIT
2. IN THE EVENT OF BMP ISSUES, HALT ALL ACTIVITIES AND CONTACT THE CIVIL ENGINEER CONSULTANT TO PERFORM INSPECTION AND CERTIFICATION OF BMPS. GENERAL CONTRACTOR SHALL SCHEDULE AND CONDUCT STORM WATER PRE-CONSTRUCTION MEETING WITH ENGINEER AND ALL GROUND DISTURBING CONTRACTORS BEFORE PROCEEDING WITH CONSTRUCTION.
3. CONTRACTOR TO BE RESPONSIBLE FOR OBTAINING ALL DEWATERING PERMITS NECESSARY FOR CONSTRUCTION.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG. It's fast. It's free. It's the law. www.callsunshine.com

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: 8/5/2025

KHA PROJECT 043145105
DATE MAY 2025
SCALE AS SHOWN
DESIGNED BY TS
DRAWN BY DM
CHECKED BY SV

DEMOLITION AND EROSION CONTROL NOTES

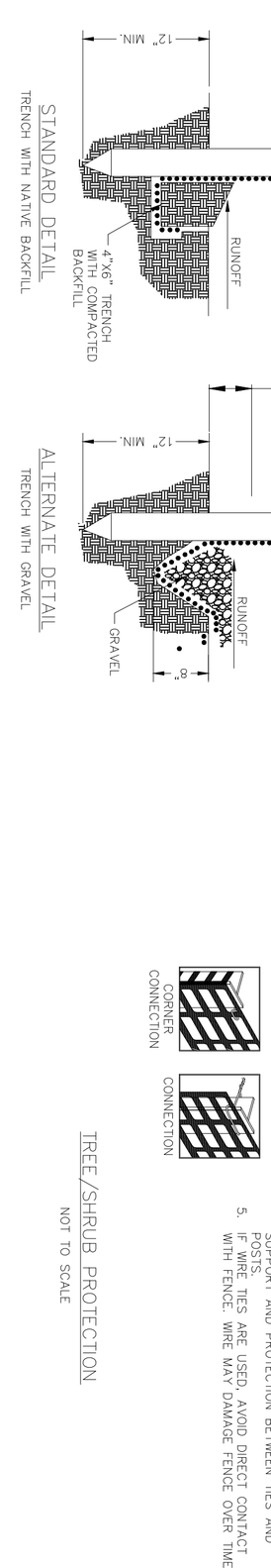
SAGA BAY DRAINAGE IMPROVEMENTS-NORTH
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER C201.7

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.
Plotted By:Beziner, Eliana Sheet Set:SAGA BAY DRAINAGE IMPROVEMENTS Layout:C201.7 Demolition and Erosion Control Notes August 05, 2025 12:07:07pm K:\ftl_civil\043 jobs\043145105 saga bay drainage improvements\CAD\plansheets\C201.1 Demolition and Erosion Control Notes.dwg

Plotted By: Beziner, Eliana Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C201.8 Demolition and Erosion Control Details August 05, 2025 12:07:09pm K:\ftl_civil\043 jobs\043145105 saga bay drainage improvements\CAD\plansheets\C201.1 Demolition and Erosion Control Notes.dwg

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

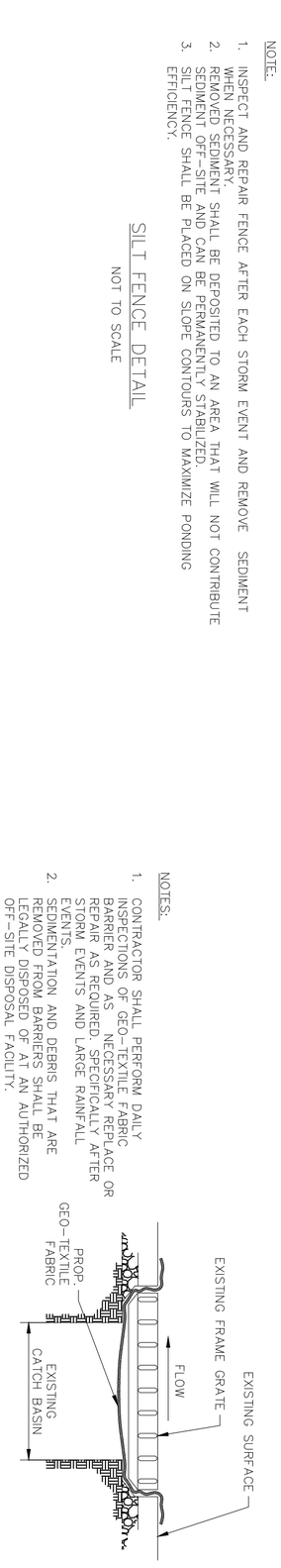


SILT FENCE DETAIL

NOT TO SCALE

NOTE:

1. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY.
2. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
3. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.



STANDARD DETAIL

TRENCH WITH NATIVE BACKFILL

ALTERNATE DETAIL

TRENCH WITH GRAVEL

TREE/SHRUB PROTECTION

NOT TO SCALE

① 6'H "PERIMETER PLUS" CONSTRUCTION FENCE BY CONWED PLASTICS OR OWNER'S REPRESENTATIVE APPROVED EQUAL. SUBMIT PRODUCT INFORMATION FOR APPROVAL PRIOR TO INSTALLATION.

② 8' TALL METAL "T" POSTS OR 2" x 2" X 8' PRESSURE TREATED WOOD POSTS WITH 24" BURIAL BELOW GRADE.

NOTES:

1. POST SELECTION SHOULD BE BASED ON EXPECTED STRENGTH NEEDS AND THE LENGTH OF TIME FENCE WILL BE IN PLACE. FLEXIBLE FIBERGLASS ROD POSTS ARE RECOMMENDED FOR PARKS, ATHLETIC EVENTS AND CROWD CONTROL INSTALLATIONS. METAL 'T' POSTS OR TREATED WOOD POSTS ARE TYPICALLY USED FOR CONSTRUCTION AND OTHER APPLICATIONS.
2. POSTS SHOULD BE DRIVEN INTO THE GROUND TO A DEPTH OF 1/4 OF THE HEIGHT OF THE POST. FOR EXAMPLE, A 8' POST SHOULD BE SET AT LEAST 2' INTO THE GROUND.
3. SPACE POSTS EVERY 6' (MIN.) TO 8' (MAX.).
4. SECURE FENCING TO POST WITH NYLON CABLE TIES (AVAILABLE FROM CONWED PLASTICS). WOOD STRIPS MAY BE ALSO BE USED TO PROVIDE ADDITIONAL SUPPORT AND PROTECTION BETWEEN TIES AND POSTS.
5. IF WIRE TIES ARE USED, AVOID DIRECT CONTACT WITH FENCE. WIRE MAY DAMAGE FENCE OVER TIME.

DROP INLET SEDIMENT BARRIER

NOT TO SCALE

NOTES:

1. CONTRACTOR SHALL PERFORM DAILY INSPECTIONS OF GEO-TEXTILE FABRIC BARRIER AND AS NECESSARY REPLACE OR REPAIR AS REQUIRED. SPECIFICALLY AFTER STORM EVENTS AND LARGE RAINFALL EVENTS.
2. SEDIMENTATION AND DEBRIS THAT ARE REMOVED FROM BARRIERS SHALL BE LEGALLY DISPOSED OF AT AN AUTHORIZED OFF-SITE DISPOSAL FACILITY.

811 KNOW WHAT'S BELOW CALL BEFORE YOU DIG 811 Sunshine 811 Call Sunshine www.callsunshine.com

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

SHEET NUMBER C201.8

SAGA BAY DRAINAGE IMPROVEMENTS-NORTH
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

DEMOLITION AND EROSION CONTROL DETAILS

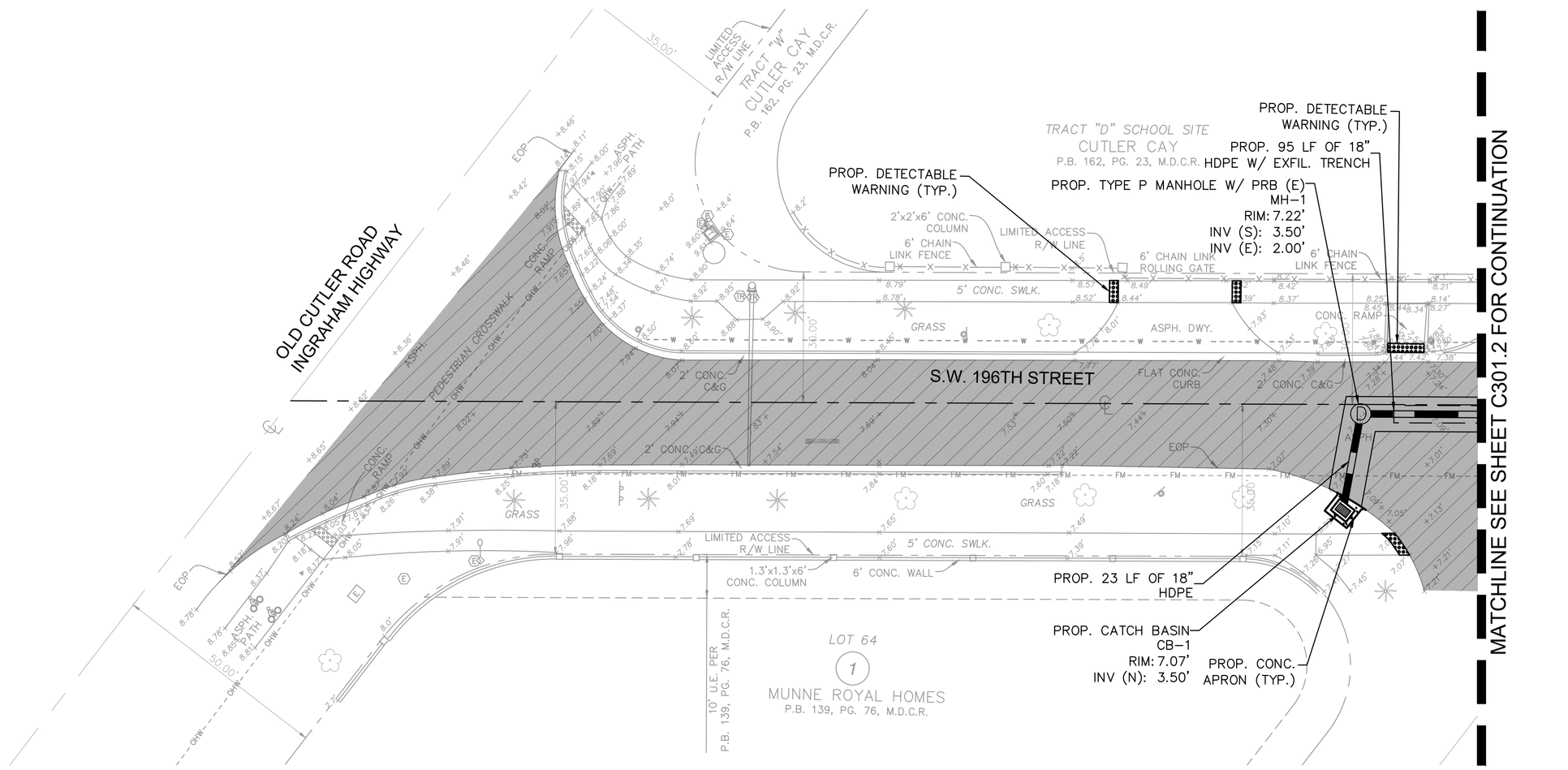
KHA PROJECT 043145105
DATE MAY 2025
SCALE AS SHOWN
DESIGNED BY TS
DRAWN BY DM
CHECKED BY SV

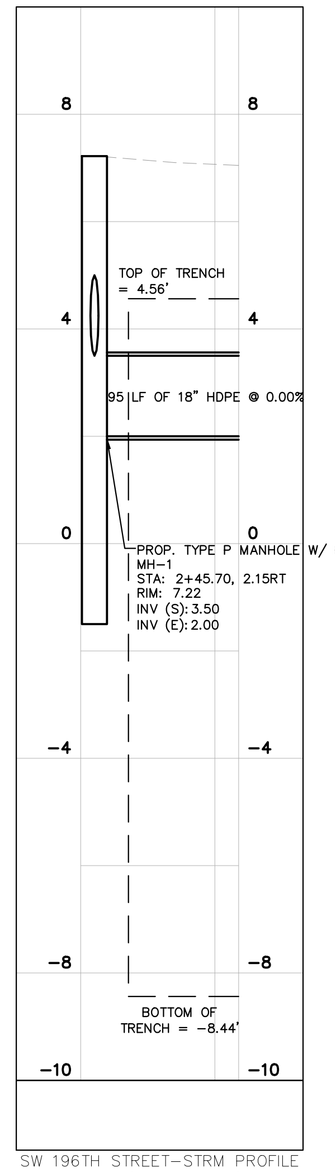
TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE:

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

No.	REVISIONS	DATE	BY



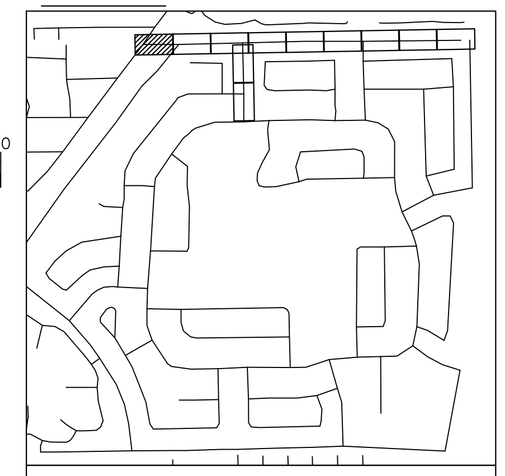


SW 196TH STREET–STRM PROFILE
STA 0' TO STA 29'
1"=20' (HORZ.)
1"=2' (VERT)

NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
www.callsunshine.com

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: 10/1/2025

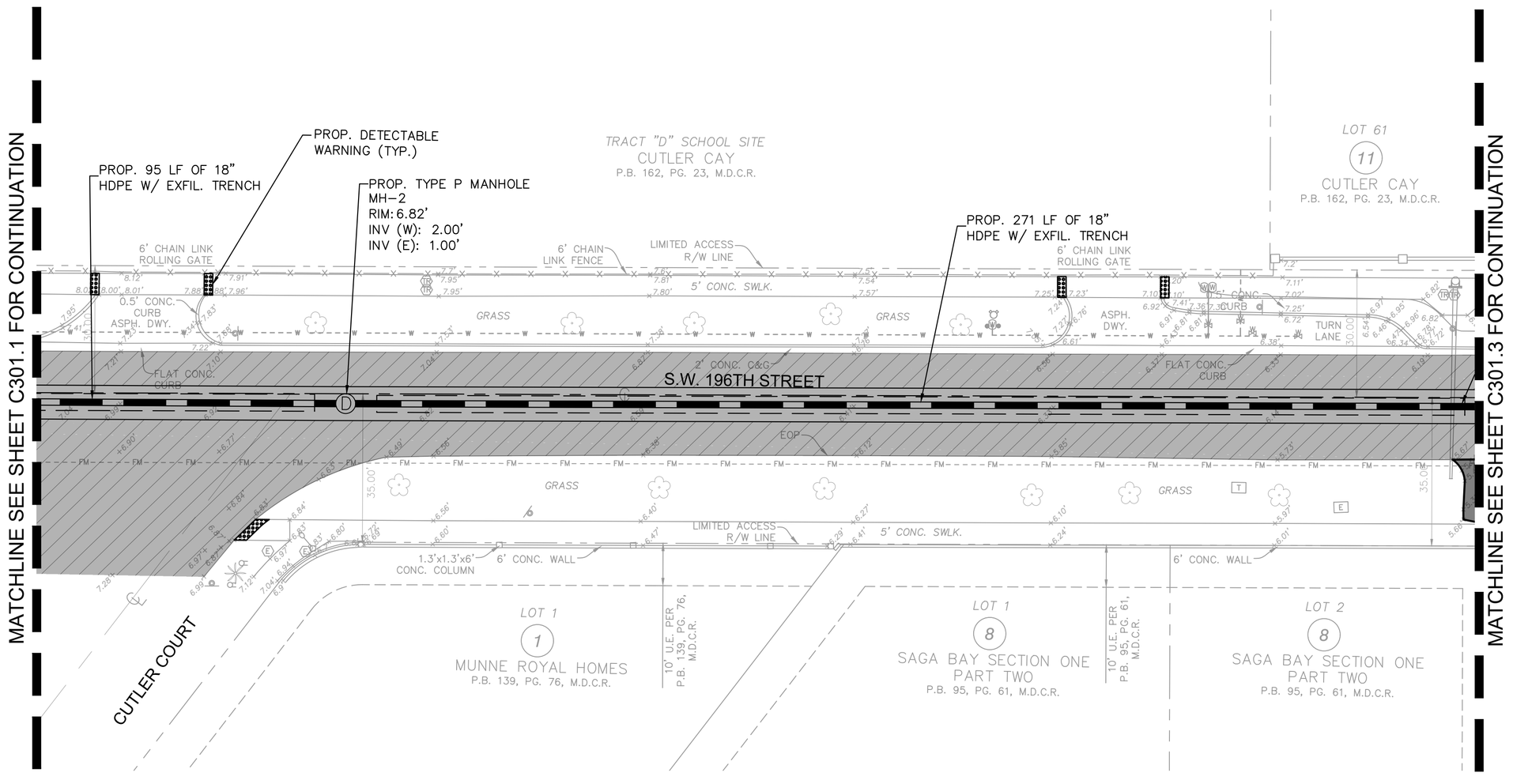
KHA PROJECT 043145105			
DATE MAY 2025	SCALE	AS SHOWN	
	DESIGNED BY	TS	
	DRAWN BY	DM	
	CHECKED BY	SV	

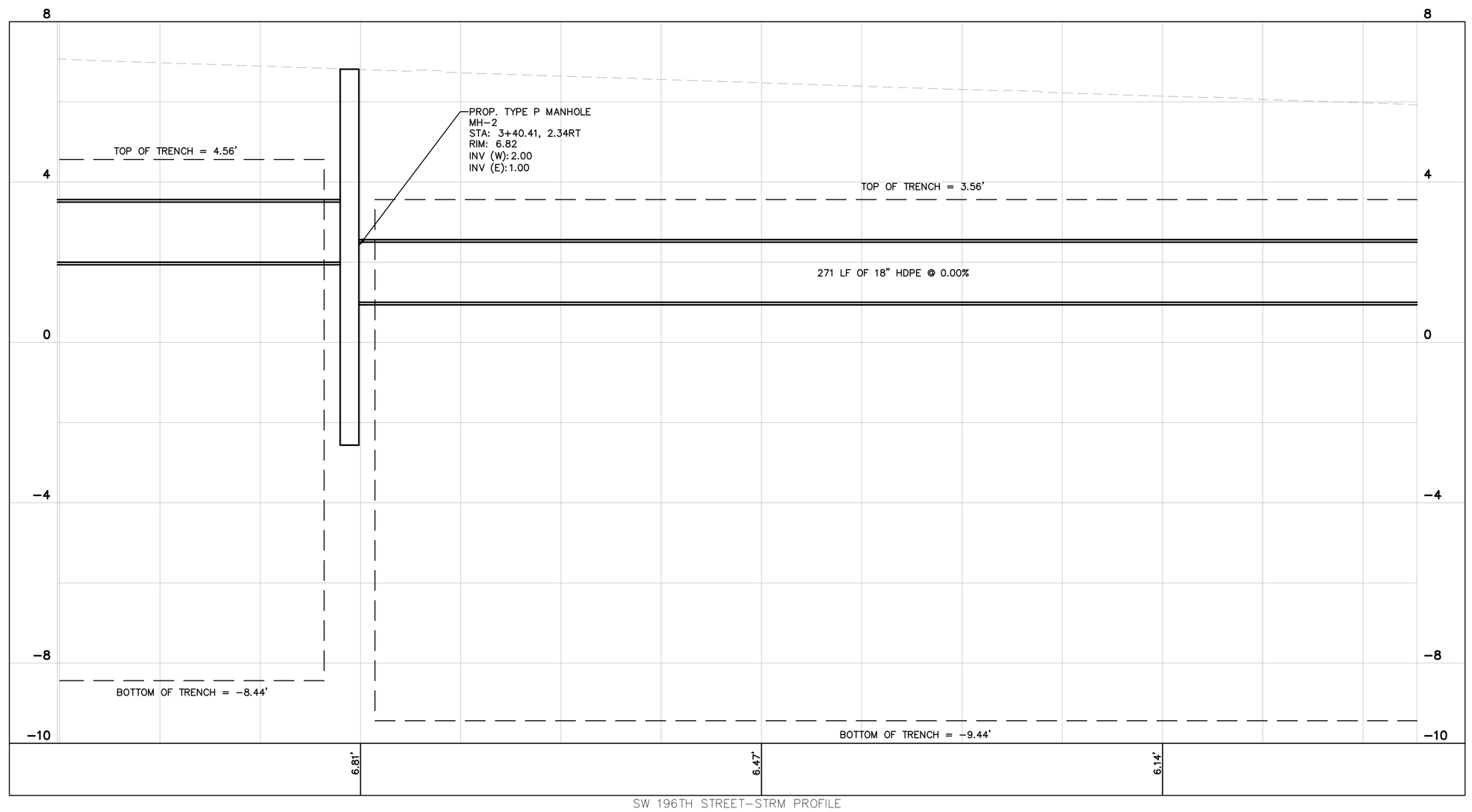
PAVING GRADING AND DRAINAGE PLAN

SAGA BAY DRAINAGE IMPROVEMENTS-NORTH
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C301.1

Plotted By:Raines, Eliana, Sheet Set:SAGA BAY DRAINAGE IMPROVEMENTS, Layout:C301.1 Paving Grading and Drainage Plan, August 05, 2025, 12:07:40pm K:\MIA_civil\043_jobs\043145105_saga bay drainage improvements\CAD\plansheets\C300.1 Paving, Grading, and Drainage Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.
Town of Cutler Bay | ITB No. 25-04
Saga Bay Drainage Improvements Project
Page 169 of 329



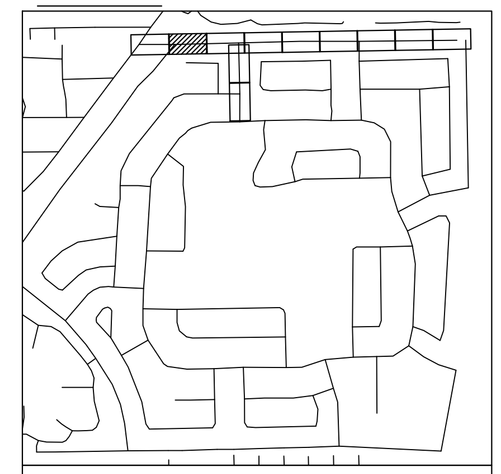


SW 196TH STREET–STRM PROFILE
STA 24' TO STA 363'
1"=20' (HORZ.)
1"=2' (VERT)

NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

KEY MAP



LEGEND

- PROPERTY LINE / RIGHT–OF–WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

KNOW WHAT'S BELOW CALL 811 BEFORE YOU DIG

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: 12/5/2025

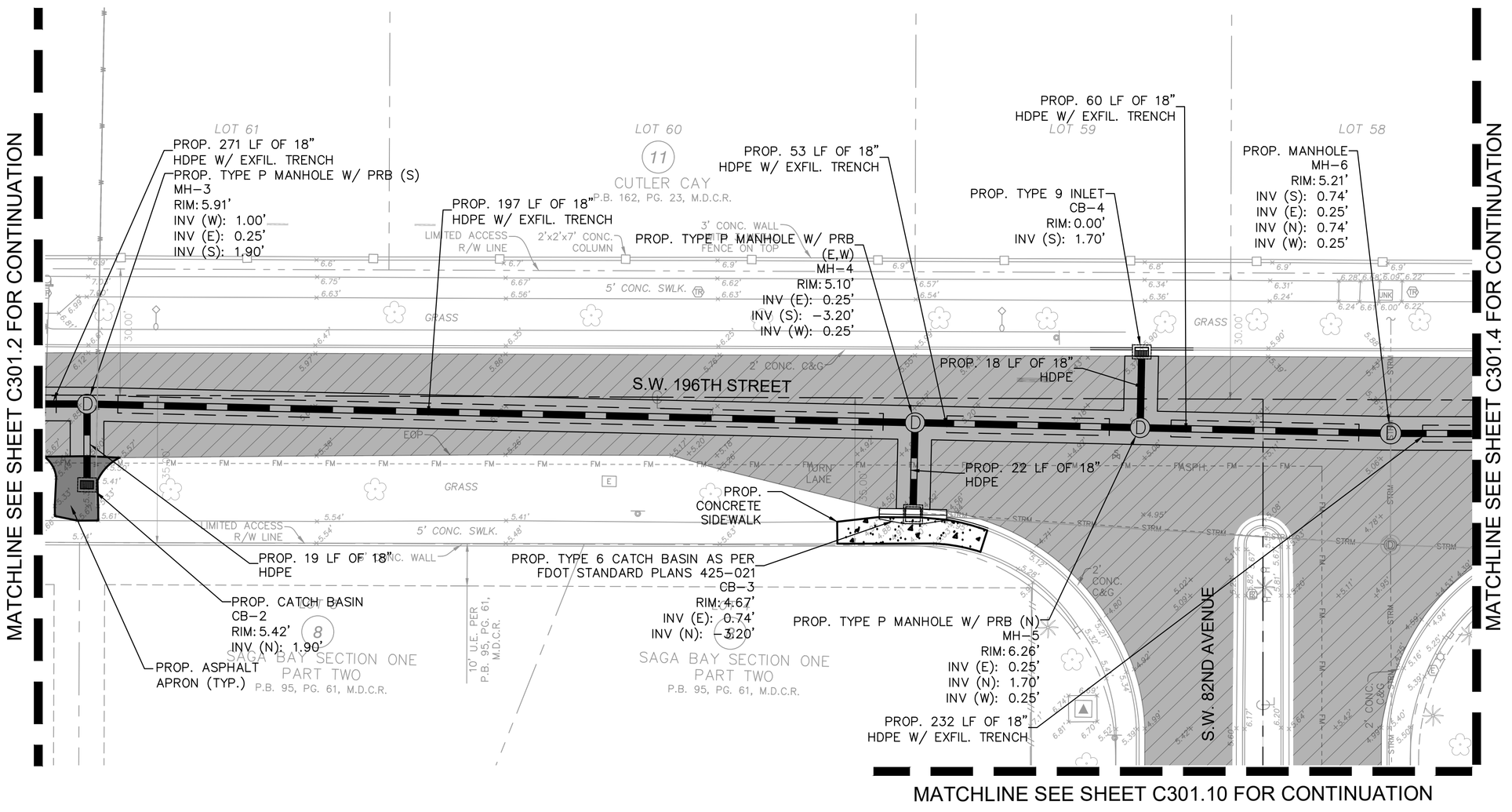
KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

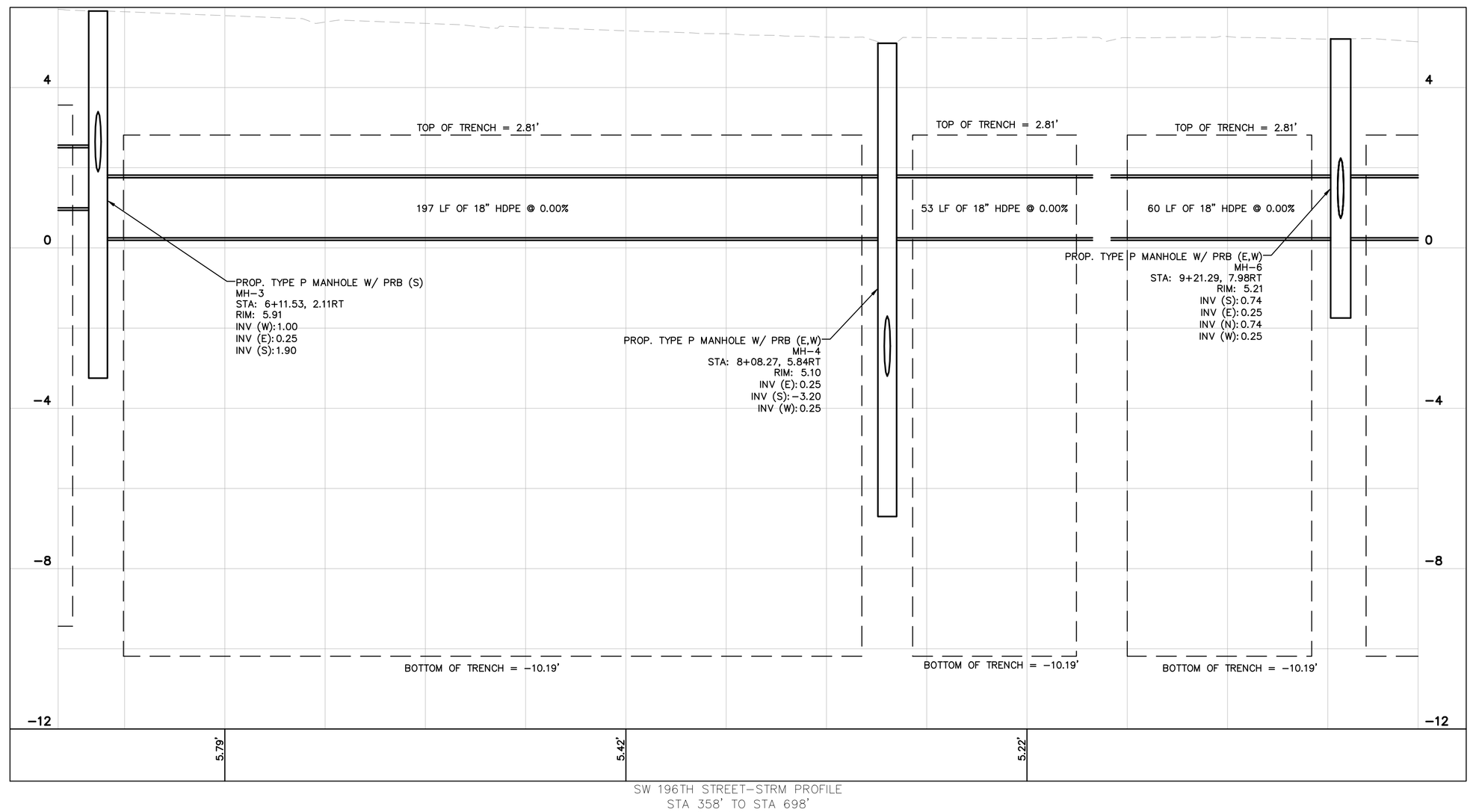
PAVING GRADING AND DRAINAGE PLAN

SAGA BAY DRAINAGE IMPROVEMENTS-NORTH
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C301.2

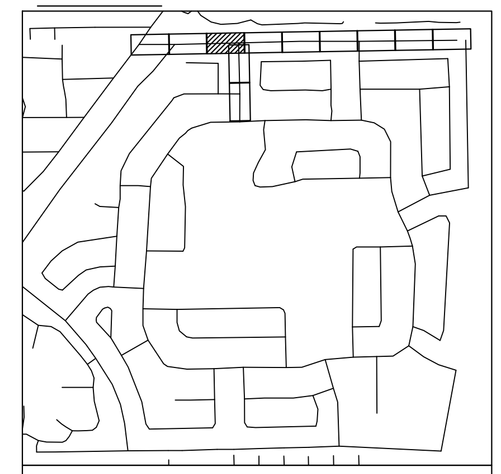
Plotted By:Raziyer Filipo, Sheet Set:SAGA BAY DRAINAGE IMPROVEMENTS, Layout:C301.2 Paving Grading and Drainage Plan, August 05, 2026, 12:07:51pm, K:\Mi_ofc\Data\043_Jobs\043145105_saga bay drainage improvements\CAD\plansheets\C300.1 Paving, Grading, and Drainage Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.





SW 196TH STREET-STRM PROFILE
STA 358' TO STA 698'
1"=20' (HORZ.)
1"=2' (VERT)

KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: 10/1/2025

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

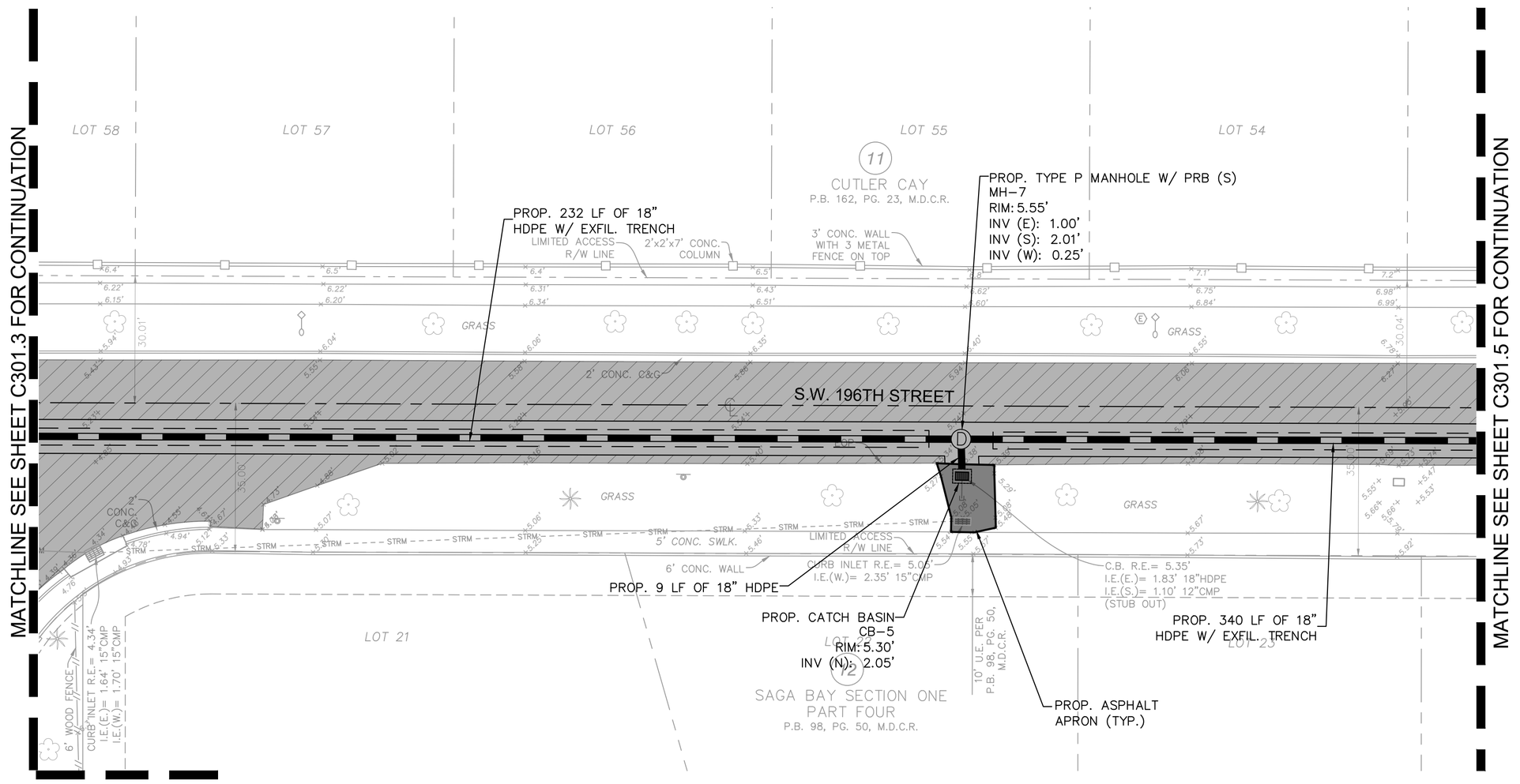
PAVING GRADING AND DRAINAGE PLAN

SAGA BAY DRAINAGE IMPROVEMENTS-NORTH
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

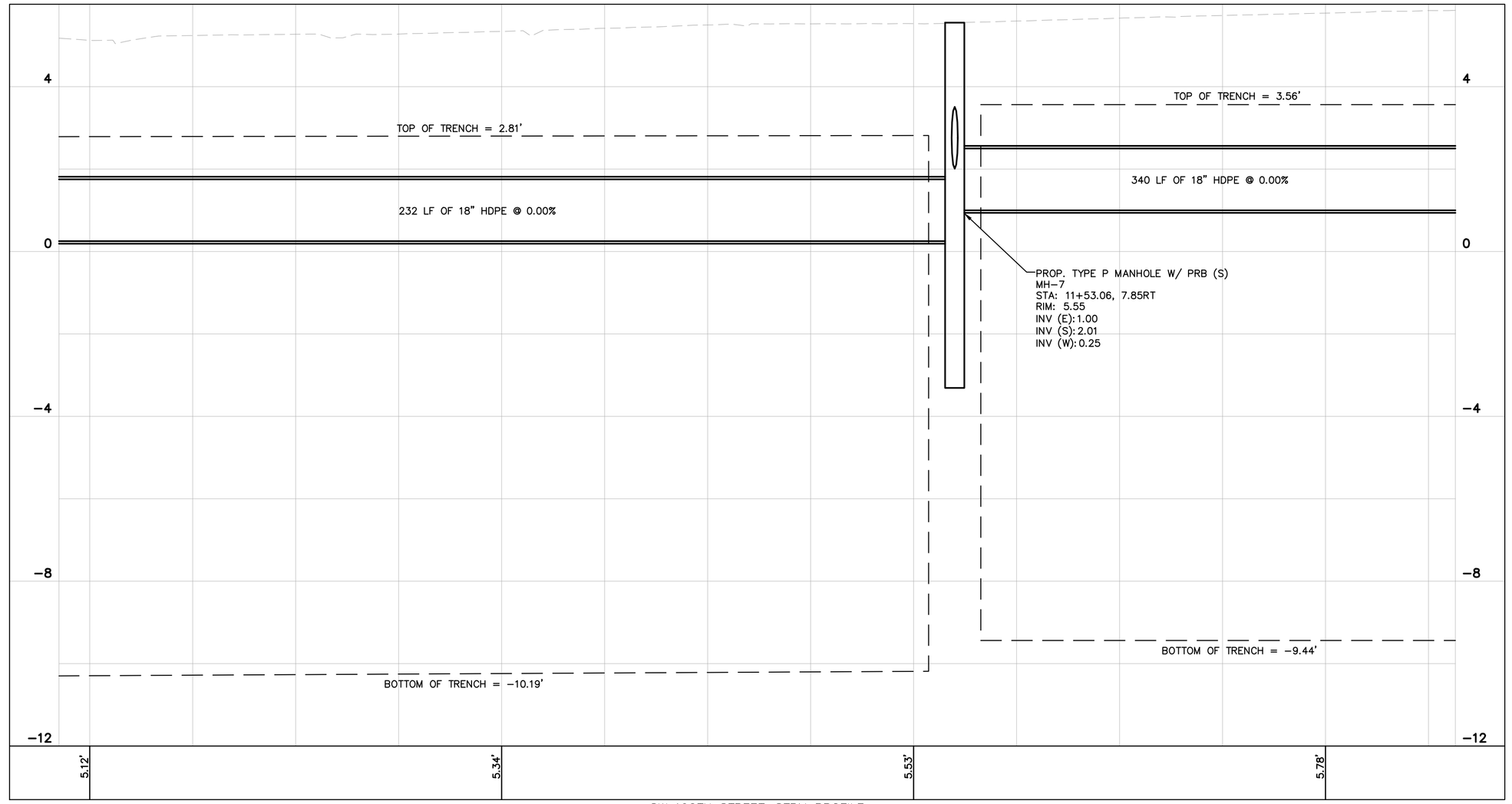
SHEET NUMBER
C301.3

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
www.callbeforeyoudig.com

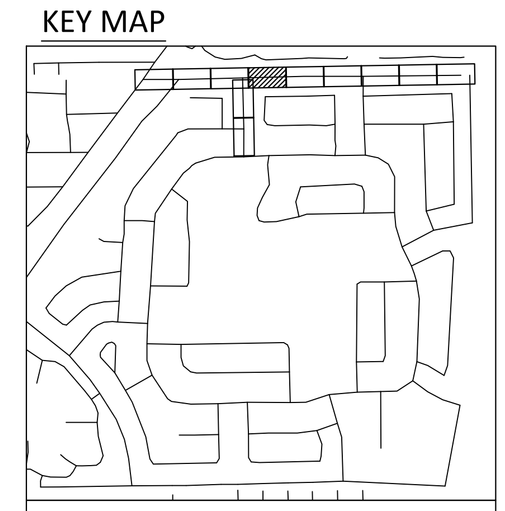
Plotted By: Rainier Flores Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C301.3 Paving Grading and Drainage Plan August 05, 2025 12:08:07pm K:\FTL_civil\043145105 - Saga Bay drainage improvements\CAD\plansheets\C300.1 Paving, Grading, and Drainage Plan.dwg
Use of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



MATCHLINE SEE SHEET C301.10 FOR CONTINUATION



SW 196TH STREET–STRM PROFILE
STA 693' TO STA 1032'
1"=20' (HORZ.)
1"=2' (VERT)



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.

GRAPHIC SCALE IN FEET
0 10 20 40

NORTH

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON
No 85268
STATE OF FLORIDA
PROFESSIONAL ENGINEER
DATE:

KHA PROJECT 043145105			
DATE MAY 2025	SCALE	AS SHOWN	
	DESIGNED BY	TS	
	DRAWN BY	DM	
	CHECKED BY	SV	

PAVING GRADING AND DRAINAGE PLAN

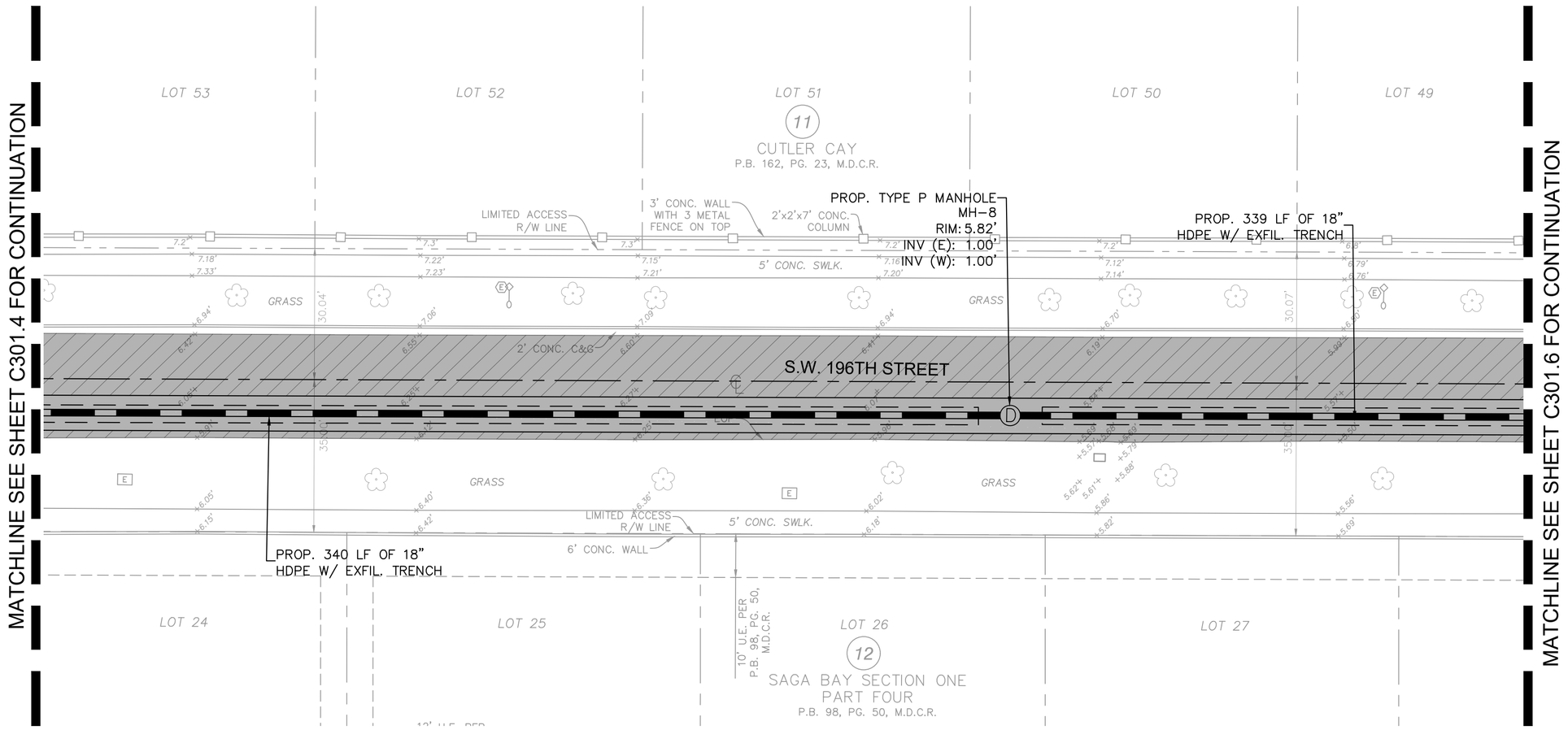
SAGA BAY DRAINAGE IMPROVEMENTS-NORTH
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

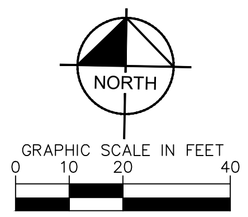
SHEET NUMBER
C301.4

KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG!
811 Sunshine 811 www.callsunshine.com

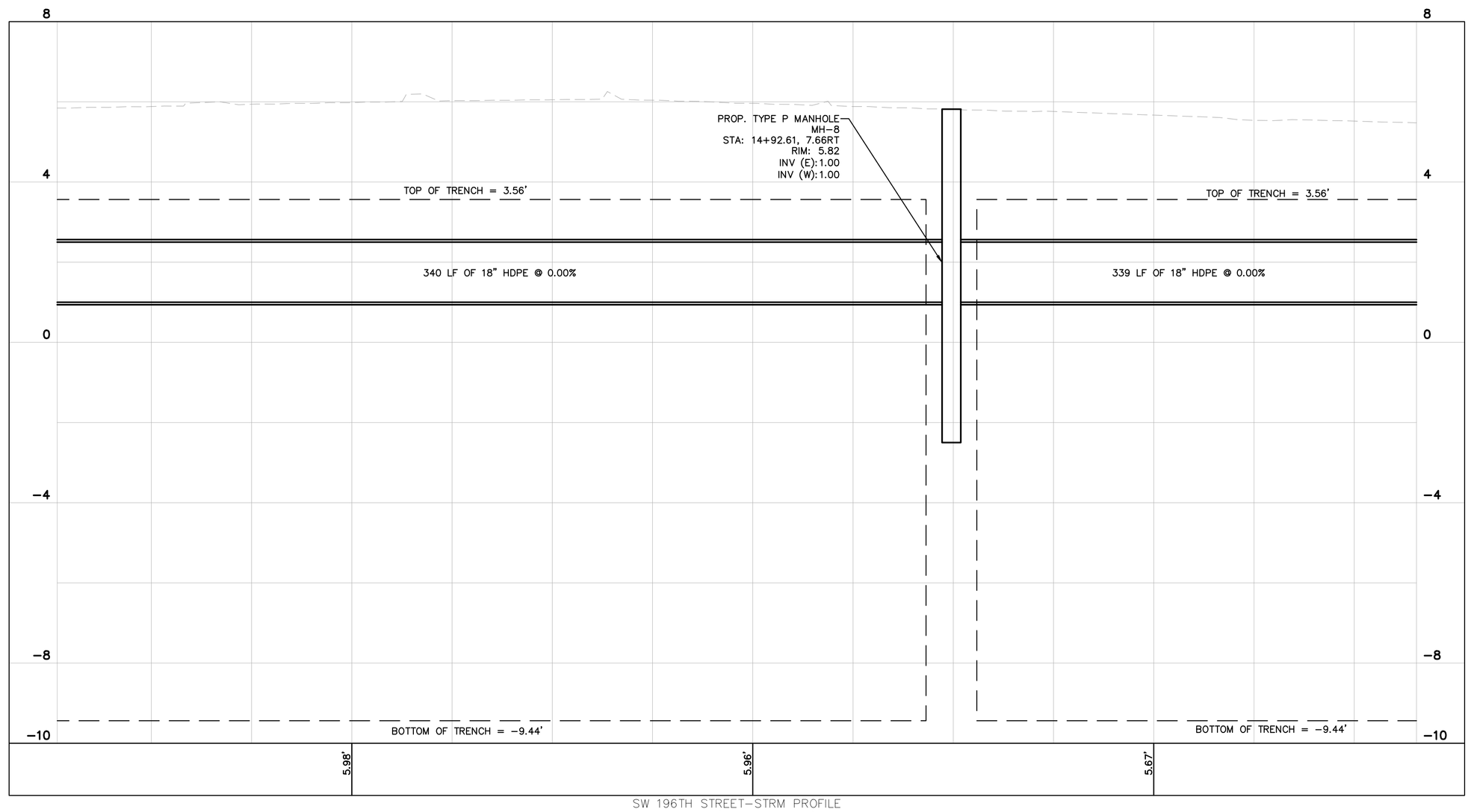
Plotted By: Raylene Filipe Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C301.4 Paving Grading and Drainage Plan August 05, 2025 12:08:12pm K:\MIA_civil\043_jobs\043145105_saga bay drainage improvements\a\CAD\plansheets\C300.1 Paving, Grading, and Drainage Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Town of Cutler Bay | ITB No. 25-04
Saga Bay Drainage Improvements Project
Page 202 of 329



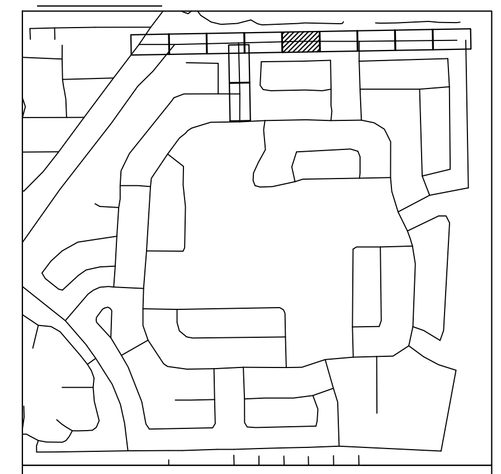


GRAPHIC SCALE IN FEET
0 10 20 40



SW 196TH STREET-STRM PROFILE
STA 1027' TO STA 1366'
1"=20' (HORZ.)
1"=2' (VERT)

KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: 10/31/2025

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

PAVING GRADING AND DRAINAGE PLAN

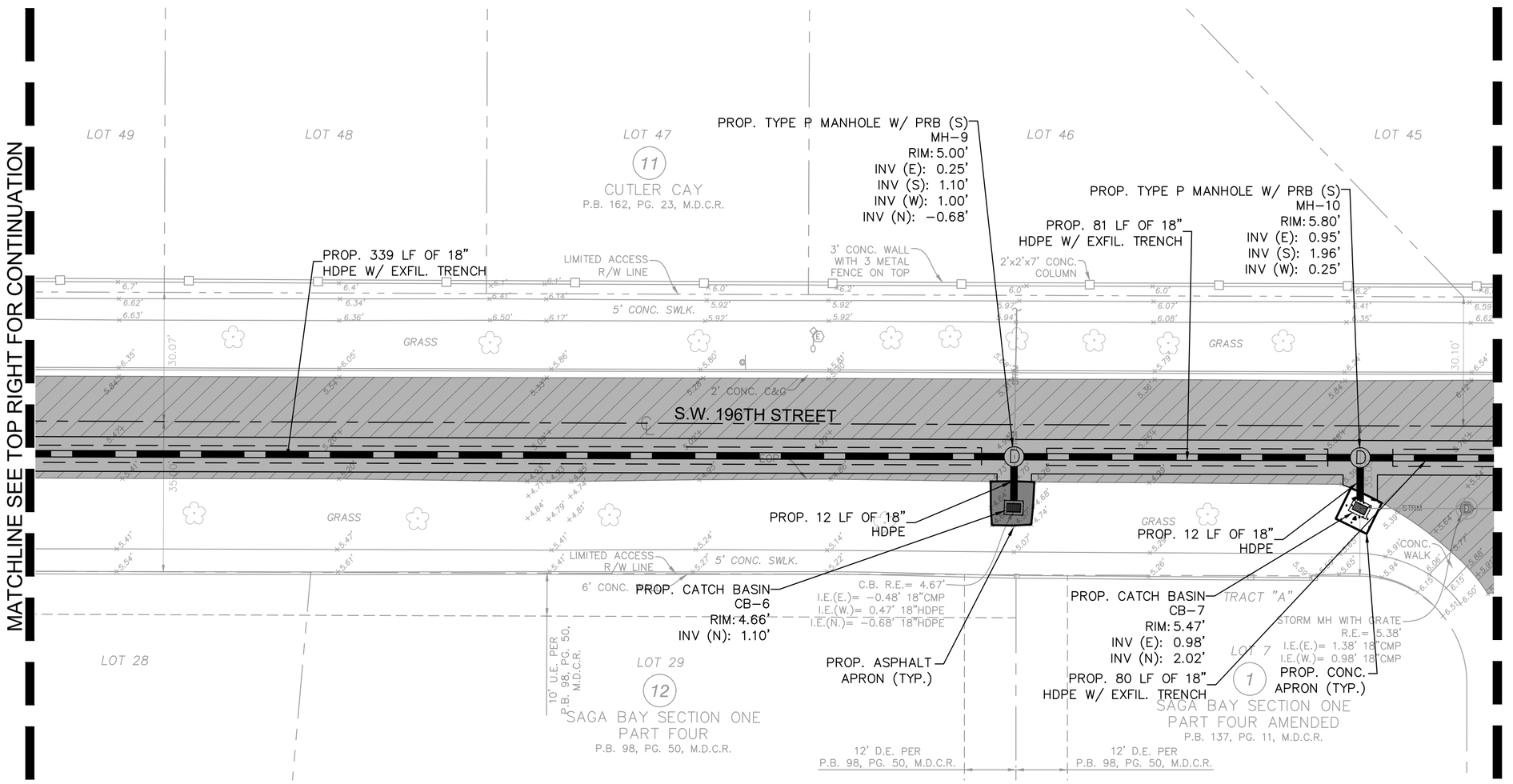
SAGA BAY DRAINAGE IMPROVEMENTS-NORTH
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

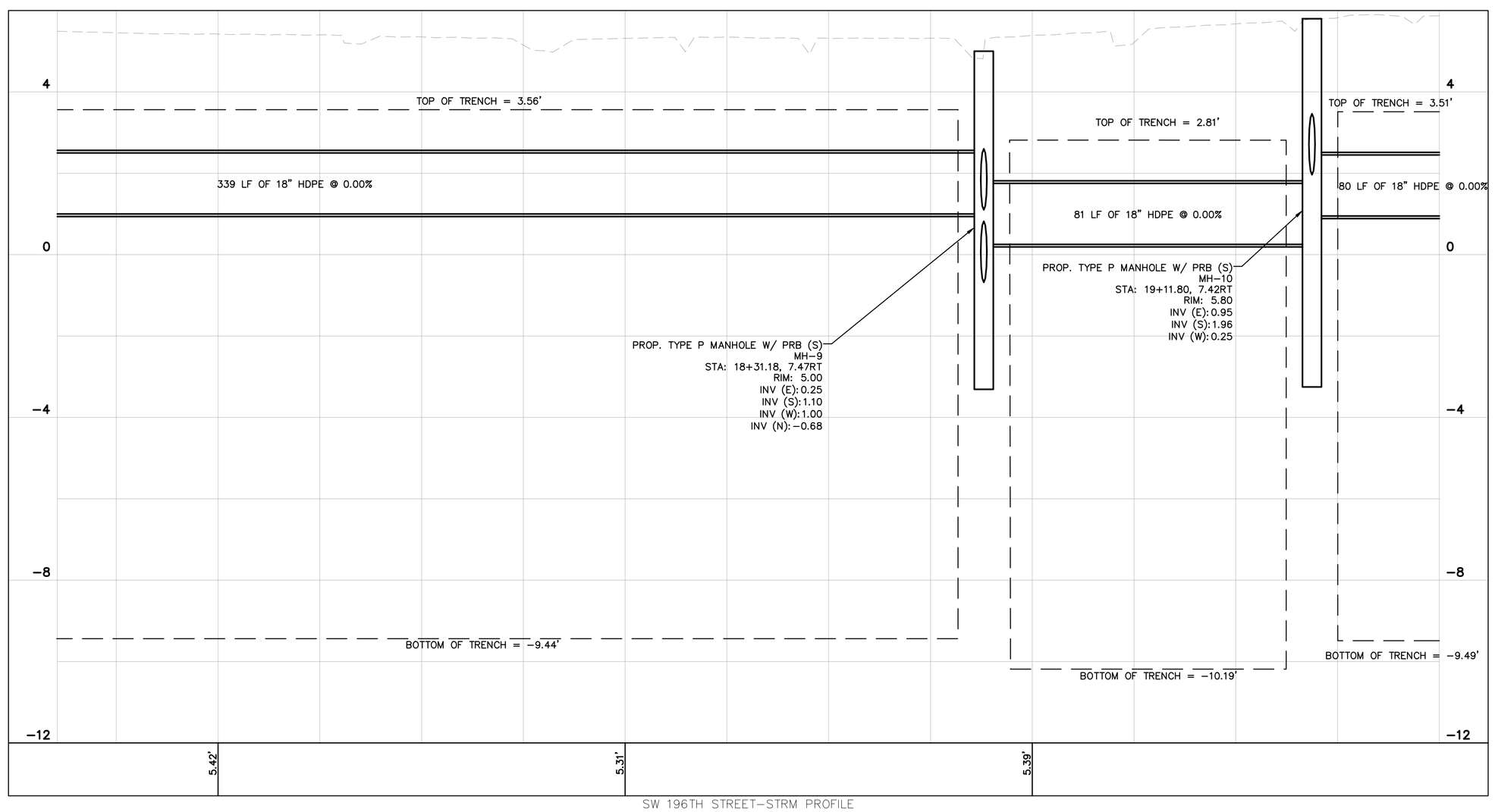
SHEET NUMBER
C301.5

KNOW WHAT'S BELOW. CALL 811 BEFORE YOU DIG
It's fast, it's free, it's the law.
www.callsunshine.com

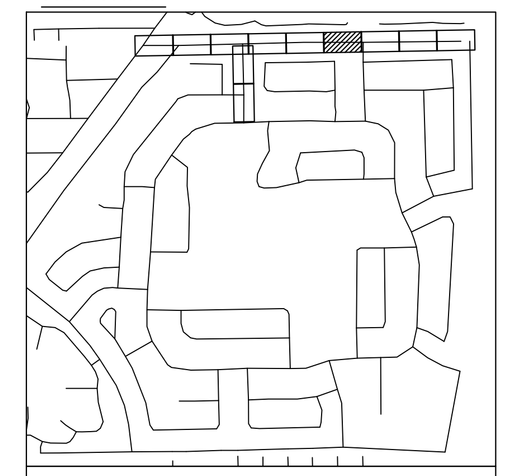
Plotted By: Rapinder Flora Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C301.5 Paving Grading and Drainage Plan August 05, 2026 12:08:22pm K:\FLL_civil\043145105 saga bay drainage improvements\CAD\plansheets\C300.1 Paving, Grading, and Drainage Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Town of Cutler Bay | ITB No. 25-04
Saga Bay Drainage Improvements Project
Page 203 of 325





SW 196TH STREET–STRM PROFILE
STA 1361' TO STA 1700'
1"=20' (HORZ.)
1"=2' (VERT)



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE:

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

PAVING GRADING AND DRAINAGE PLAN

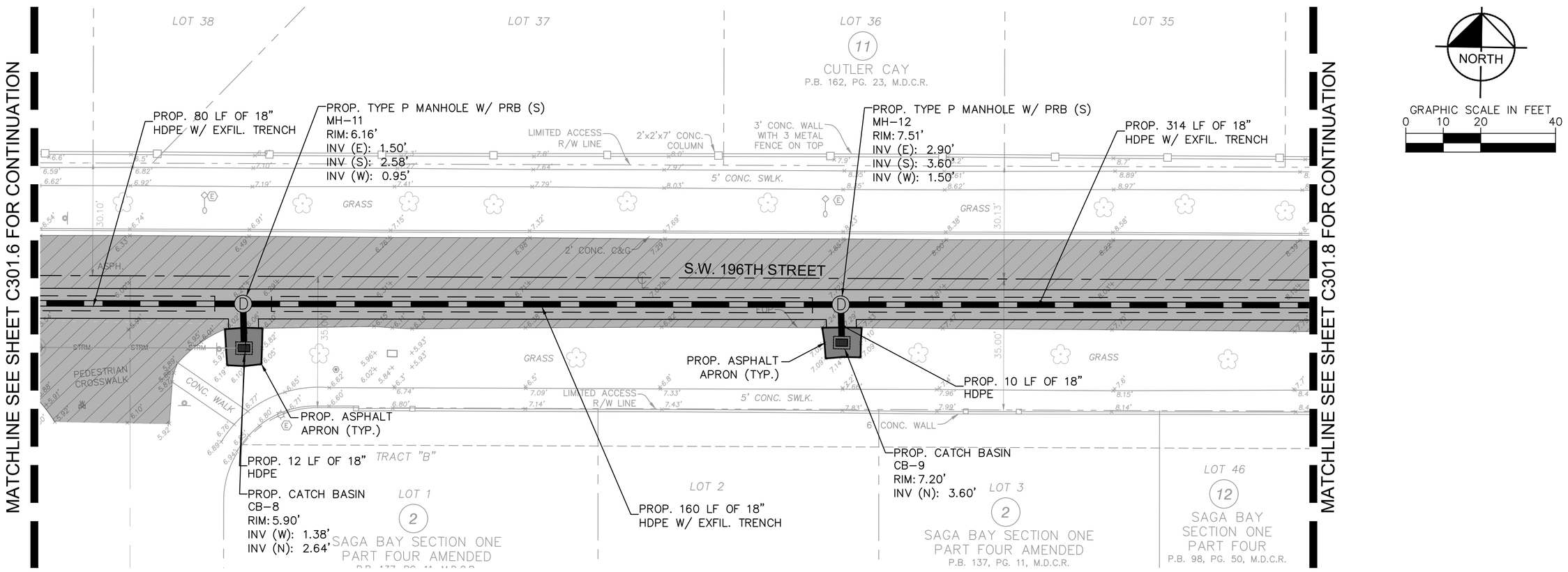
SAGA BAY DRAINAGE IMPROVEMENTS-NORTH
PREPARED FOR
TOWN OF CUTLER BAY

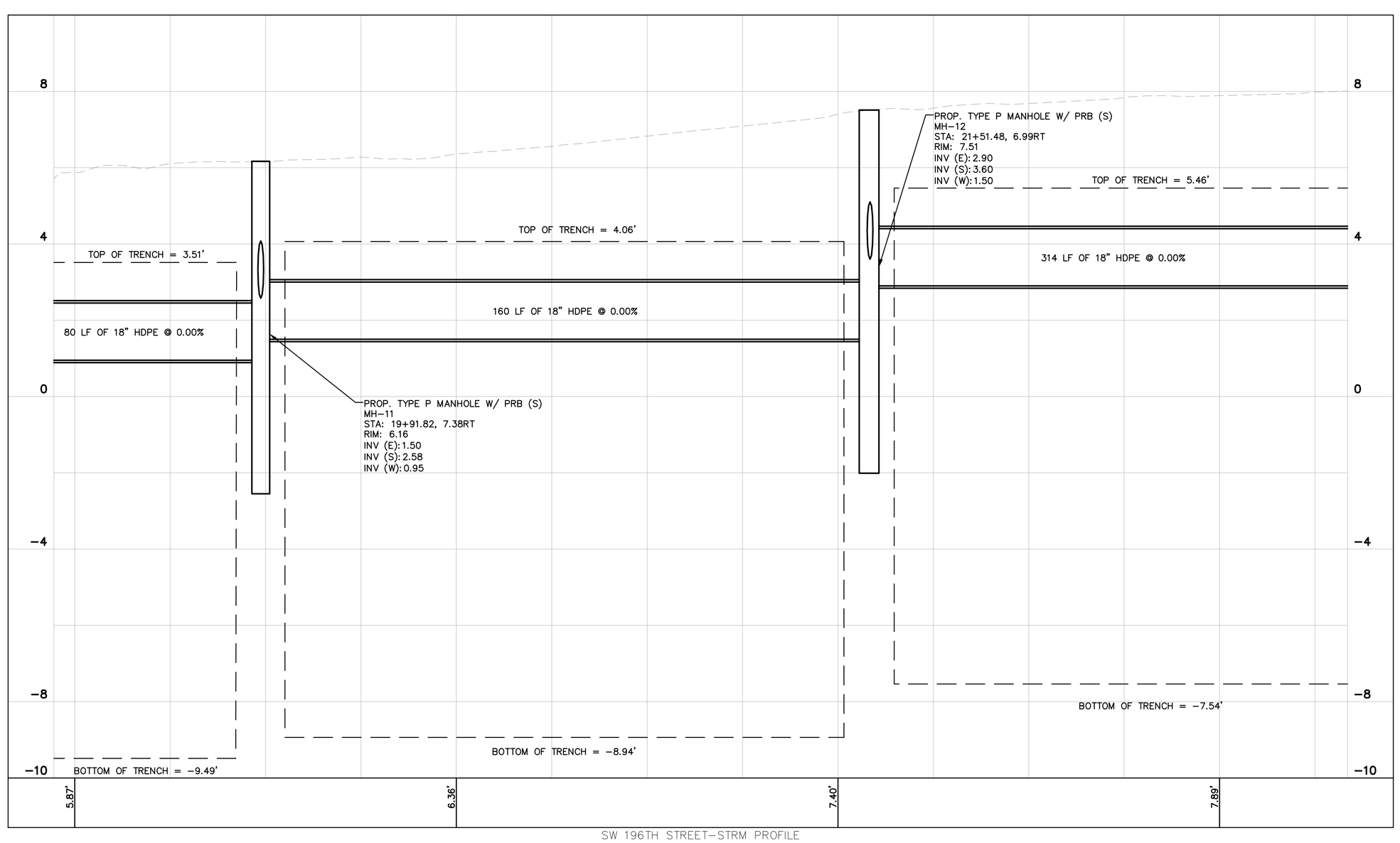
CUTLER BAY FLORIDA

SHEET NUMBER
C301.6

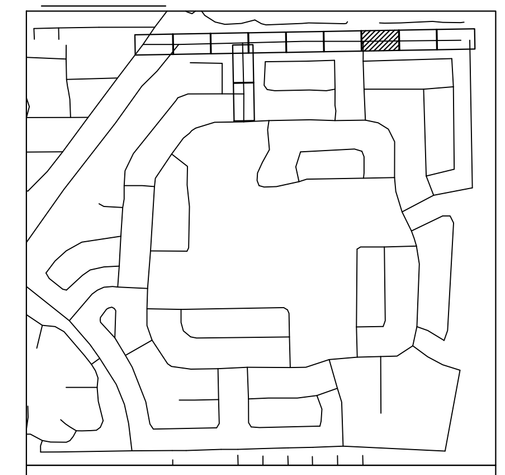
KNOW WHAT'S BELOW Call 811 BEFORE YOU DIG
It's free. It's the law. It's the law.
www.callbeforeyoudig.com

Plotted By: Raziyer Filipov, Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS, Layout: C301.6 Paving Grading and Drainage Plan, August 05, 2026, 12:08:32pm, K:\FTL_civil\043145105 saga bay drainage improvements\CAD\plansheets\C300.1 Paving, Grading, and Drainage Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.





SW 196TH STREET–STRM PROFILE
STA 1695' TO STA 2034'
1"=20' (HORZ.)
1"=2' (VERT)



KEY MAP

NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

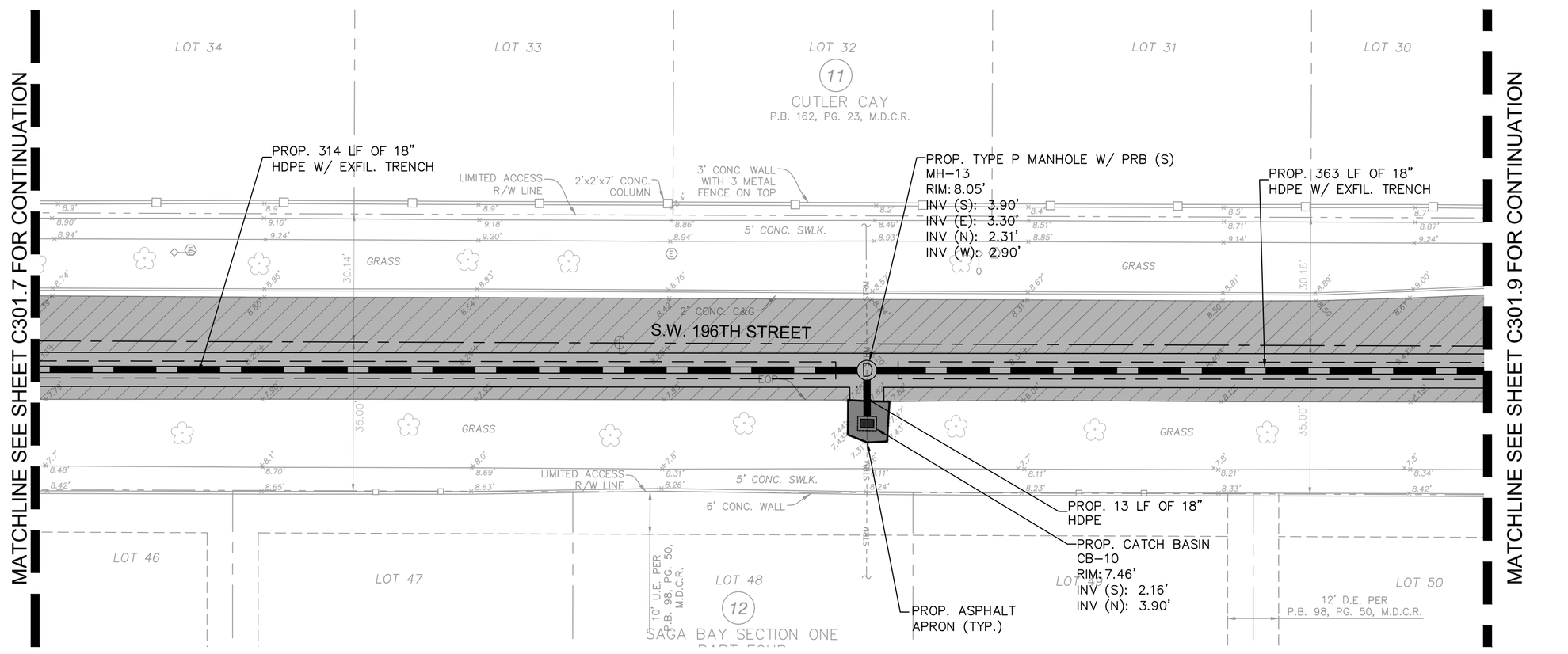
PAVING GRADING AND DRAINAGE PLAN

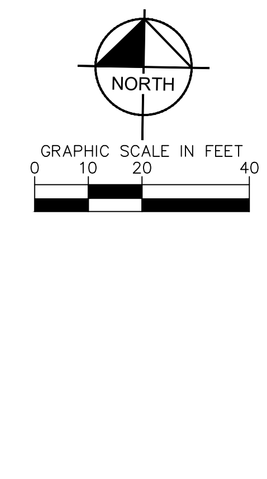
SAGA BAY DRAINAGE IMPROVEMENTS-NORTH
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

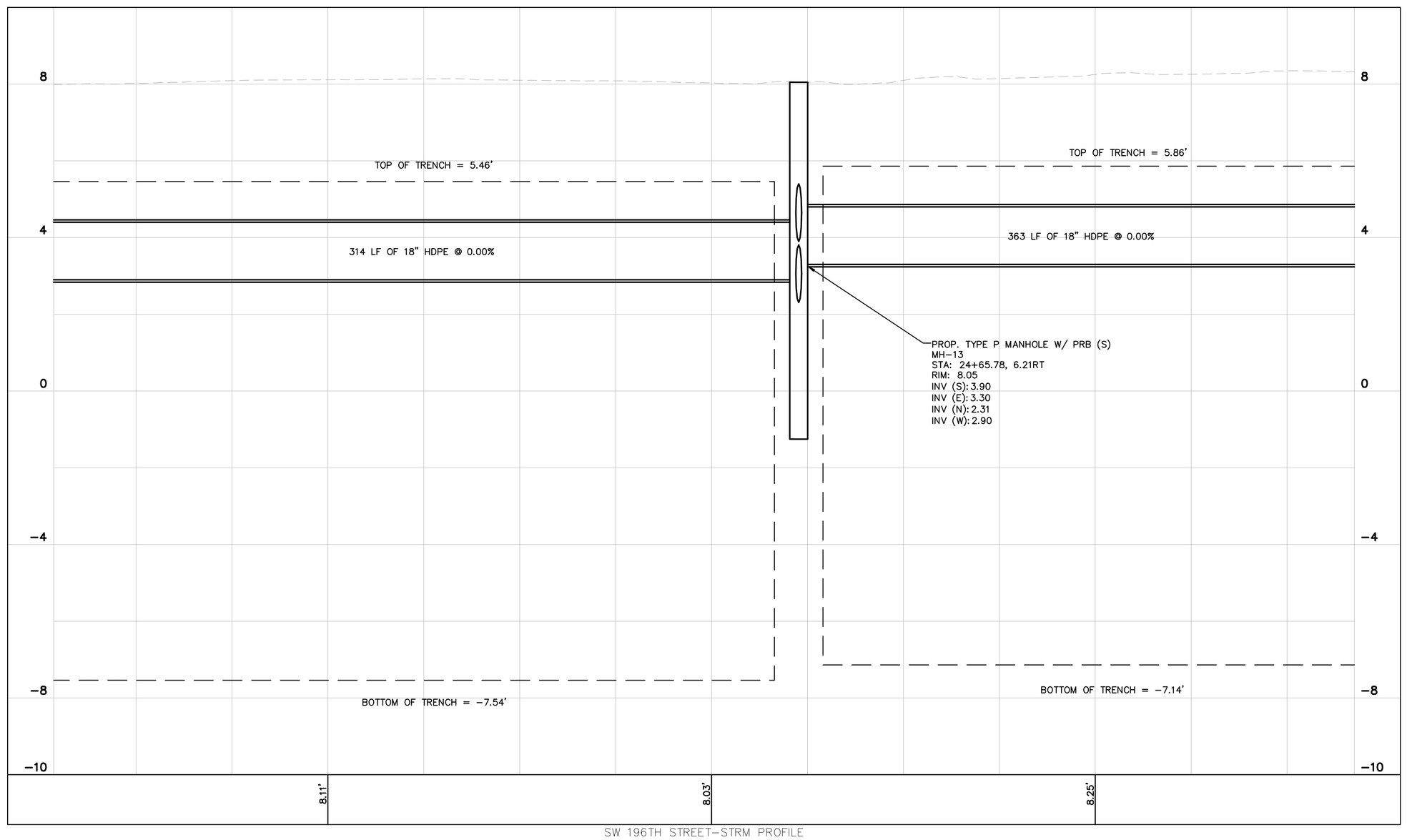
SHEET NUMBER
C301.7

811 KNOW WHAT'S BELOW CALL BEFORE YOU DIG
It's the law. It's free. It's the law.
www.callsunshine.com

Plotted By: Rapinder Filipo Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C301.7 Paving Grading and Drainage Plan August 05, 2026 12:08:43pm K:\Mi_civil\043145105 saga bay drainage improvements\CAD\plotsheets\C300.1 Paving, Grading, and Drainage Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

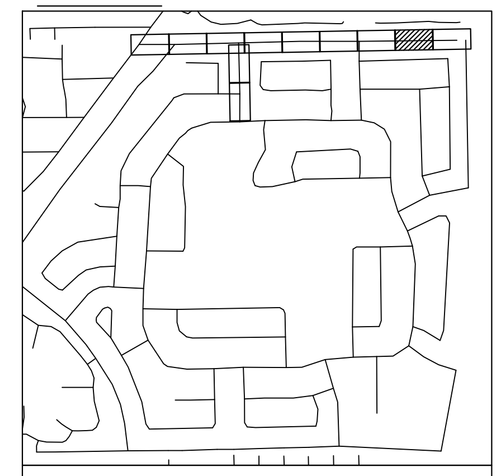






SW 196TH STREET-STRM PROFILE
STA 2029' TO STA 2368'
1"=20' (HORZ.)
1"=2' (VERT)

KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER

KHA PROJECT 043145105	
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

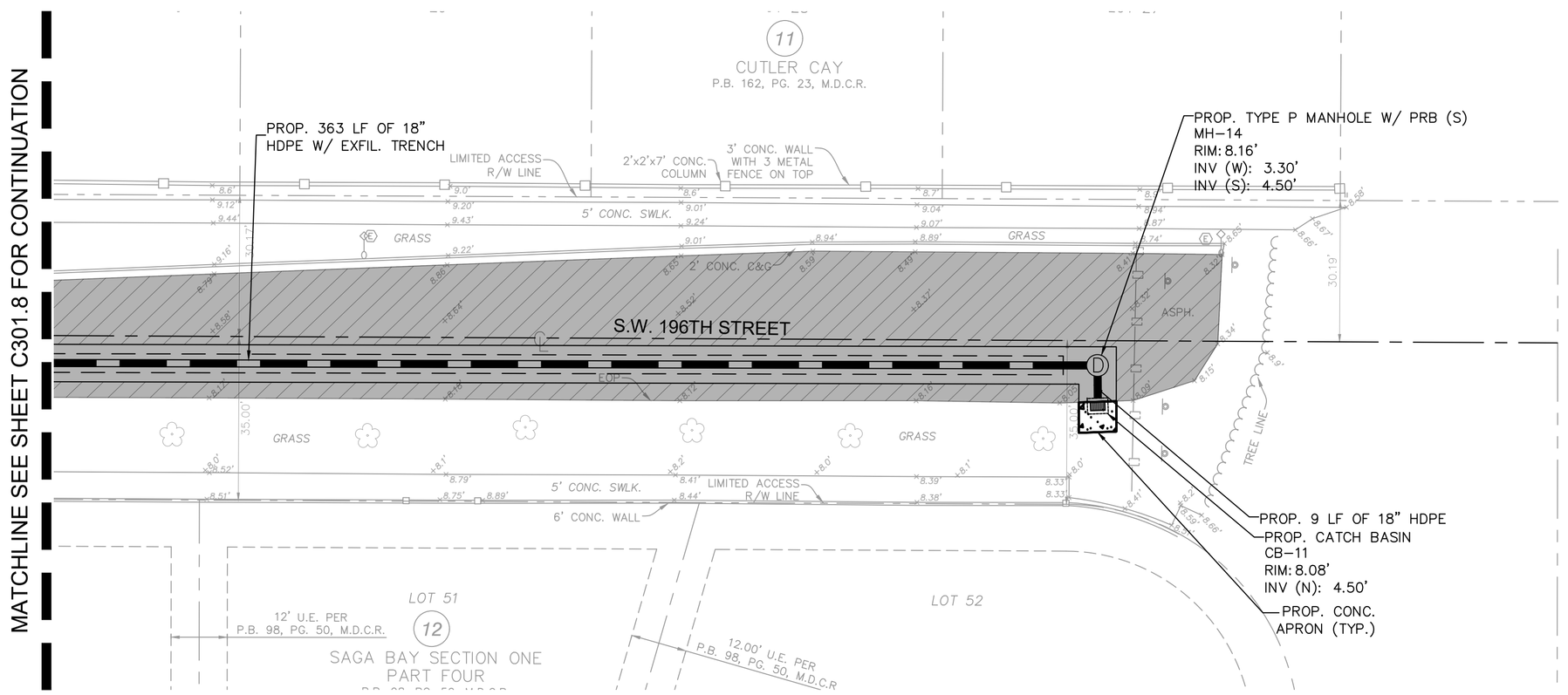
PAVING GRADING AND DRAINAGE PLAN

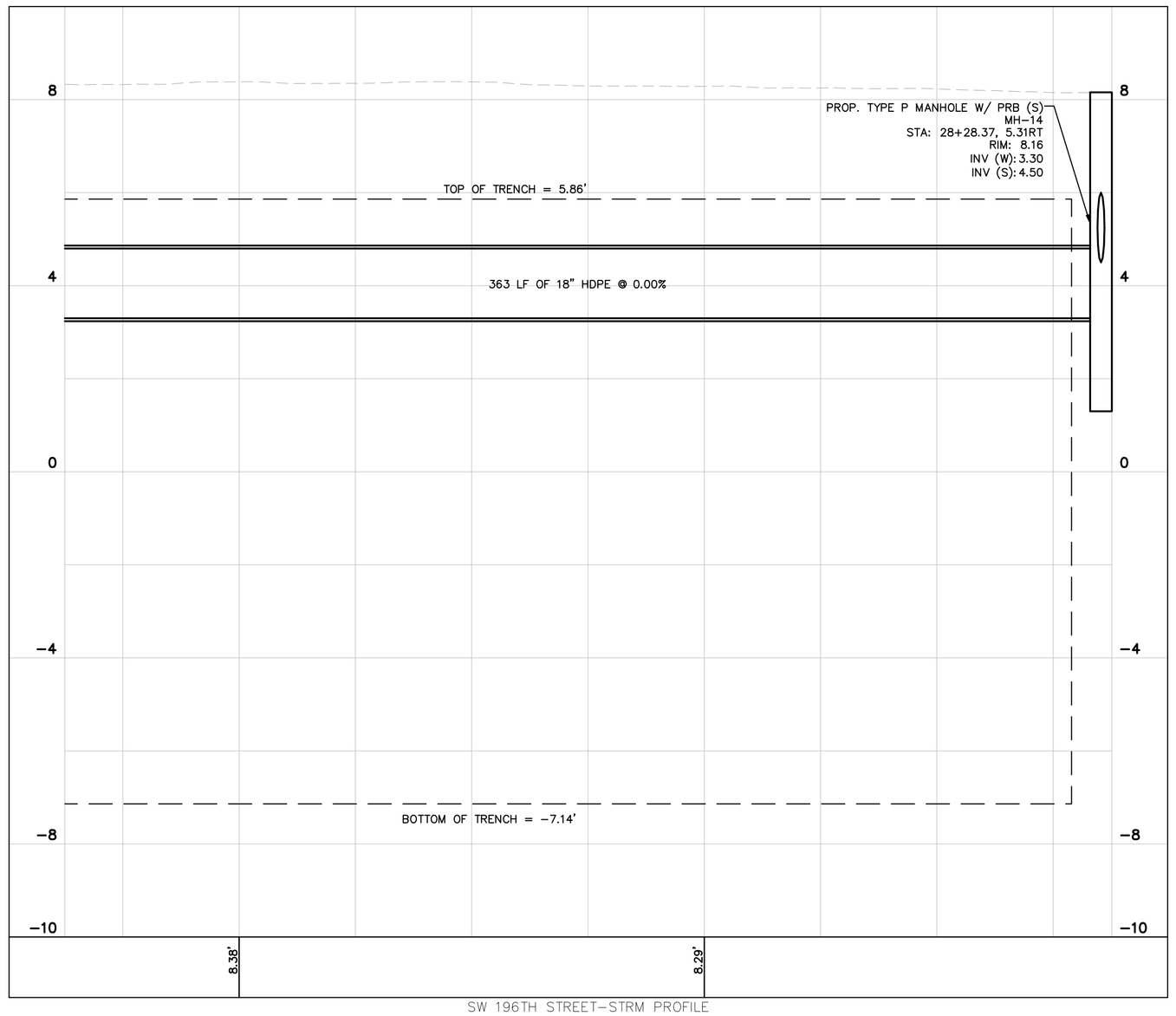
SAGA BAY DRAINAGE IMPROVEMENTS-NORTH
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C301.8

811 KNOW WHAT'S BELOW CALL OR CLICK BEFORE YOU DIG
It's fast, it's free, it's the law.
www.callsunshine.com

Plotted By: Raziner Filoso, Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS, Layout: C301.8 Paving Grading and Drainage Plan, August 05, 2026, 12:08:52pm, K:\Mi_civil\043_jobs\043145105_saga bay drainage improvements\CAD\plansheets\C300.1 Paving, Grading, and Drainage Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



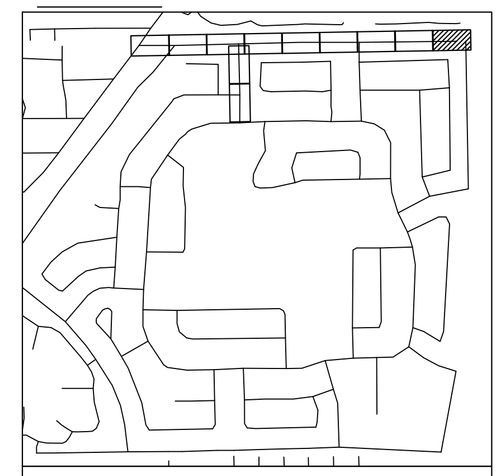


SW 196TH STREET–STRM PROFILE
STA 2363' TO STA 2588'
1"=20' (HORZ.)
1"=2' (VERT)

NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: 12/09/2025

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

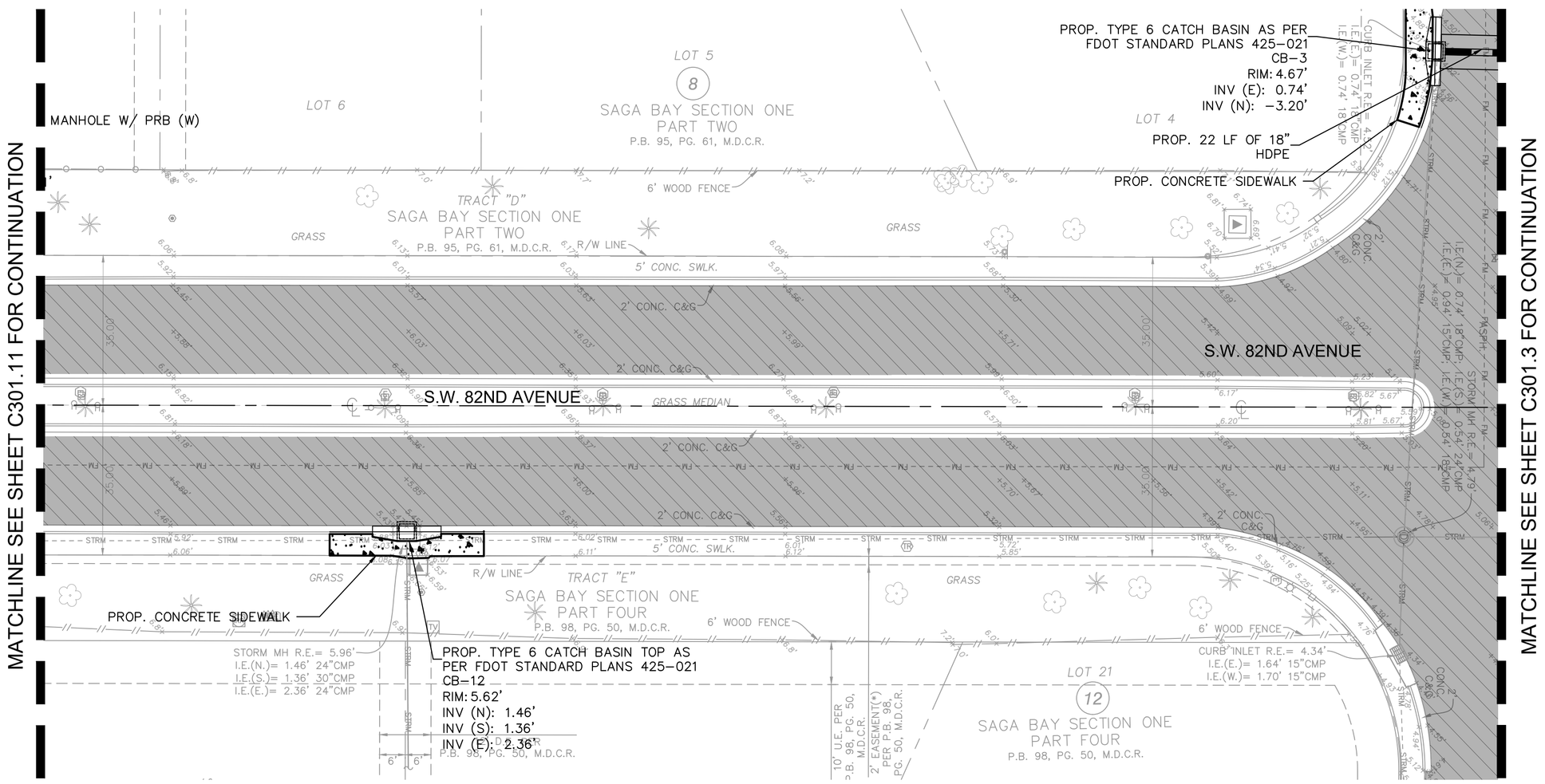
PAVING GRADING AND DRAINAGE PLAN

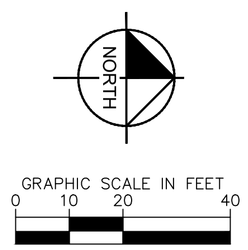
SAGA BAY DRAINAGE IMPROVEMENTS-NORTH
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C301.9

KNOW WHAT'S BELOW CALL 811 BEFORE YOU DIG
811 Sunshine 811 Inc. It's free. It's the law.
www.callsunshine.com

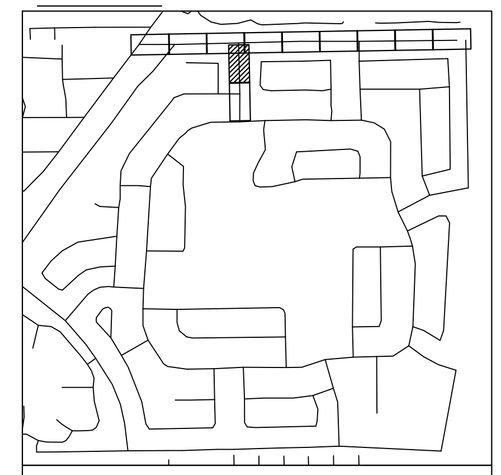
Plotted By: Rapinder Filipo, Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS, Layout: C301.9 Paving Grading and Drainage Plan, August 05, 2026, 12:09:02pm, K:\Ml_ofc\Civil\043_jobs\043145105_saga bay drainage improvements\CAD\plansheets\C300.1 Paving, Grading, and Drainage Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.





GRAPHIC SCALE IN FEET
0 10 20 40

KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON
No 85268
STATE OF FLORIDA
PROFESSIONAL ENGINEER
DATE:

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

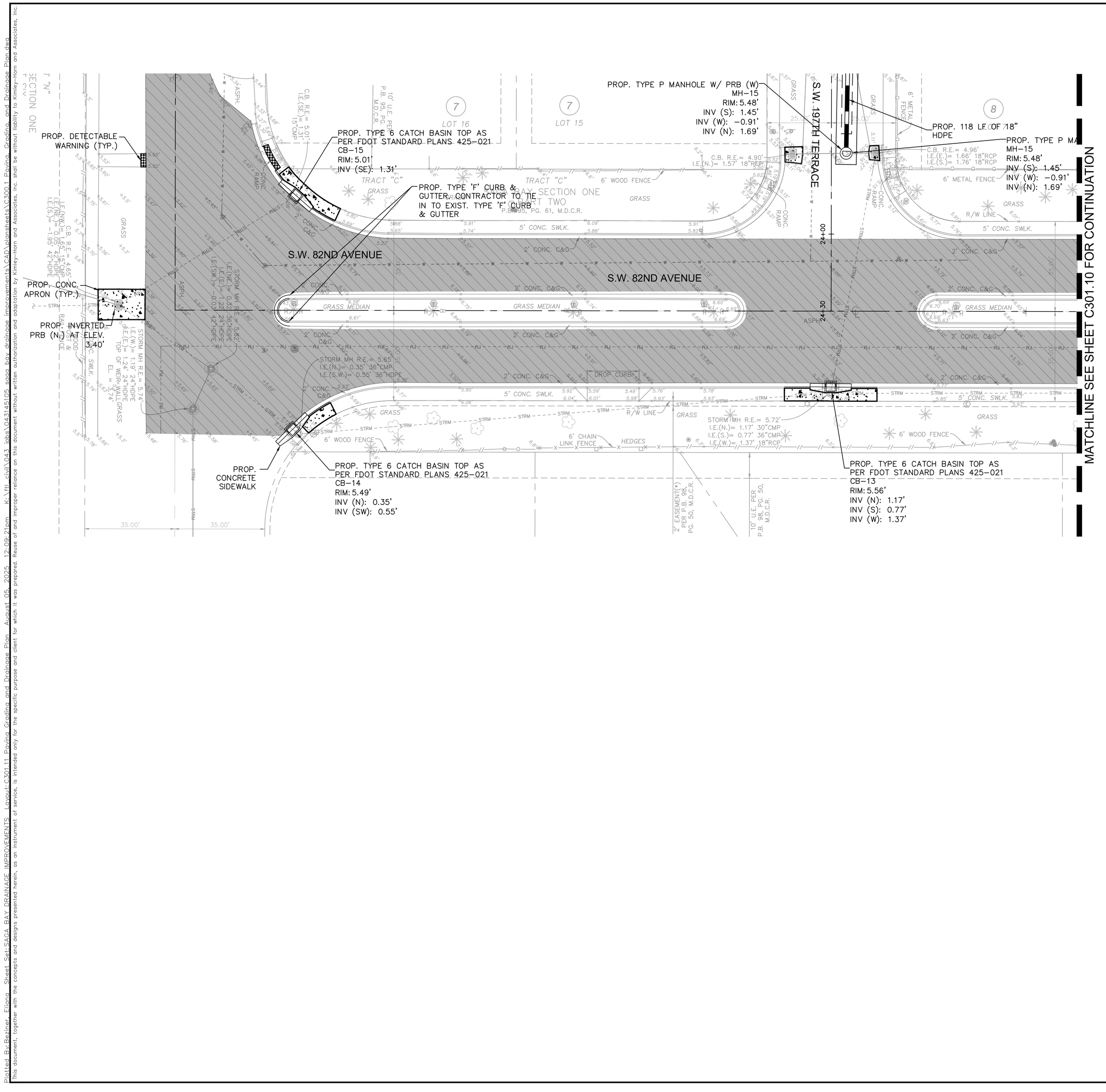
PAVING GRADING AND DRAINAGE PLAN

SAGA BAY DRAINAGE IMPROVEMENTS-NORTH
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C301.10

Plotted By: Rayjnee Flores Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C301.10 Paving Grading and Drainage Plan August 06, 2025 12:09:13pm K:\MI_civil\043145105_saga bay drainage improvements\CAD\sheetset\CAD\layoutset\C300.1 Paving, Grading and Drainage Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

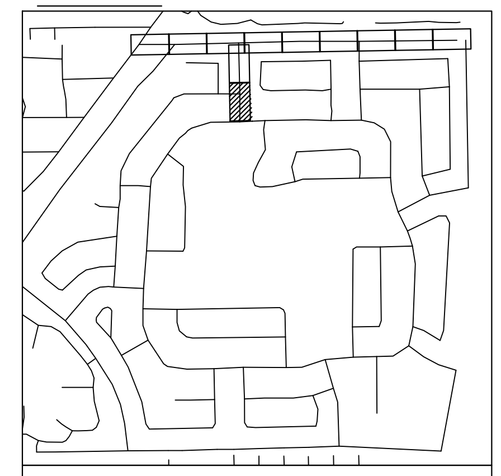
Town of Cutler Bay | ITB No. 25-04
Saga Bay Drainage Improvements Project
Page 208 of 230



NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.

KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON ★ No 85268 ★ STATE OF FLORIDA ★ PROFESSIONAL ENGINEER

KHA PROJECT 043145105	DATE MAY 2025
SCALE AS SHOWN	
DESIGNED BY TS	DM
DRAWN BY	CHECKED BY SV

PAVING GRADING AND DRAINAGE PLAN

SAGA BAY DRAINAGE IMPROVEMENTS-NORTH
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C301.11

Plotted By:Raynee, Filipa Sheet Set:SAGA BAY DRAINAGE IMPROVEMENTS Layout:C301.11 Paving Grading and Drainage Plan August 05, 2025 12:09:21pm K:\MI_civil\043_jobs\043145105_saga bay drainage improvements\43-CAD\sheetset\C300.1 Revision Graphics and Drainage Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Town of Cutler Bay | ITB No. 25-04
Saga Bay Area Drainage Improvements Project
Page 209 of 329

MIAMI-DADE COUNTY
Efficiency & Excellence Every Day
WATER & SEWER DEPARTMENT

ITEM	ISSUE DATE	APPROVED BY
	10/1/2017	D.V.

STANDARD DETAIL

POTABLE WATER MAIN, WASTEWATER & STORM SEWER CONFLICT

CROSS REF.	SPEC. REF.

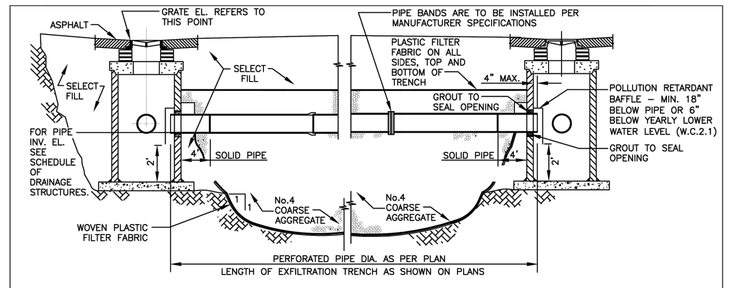
GS 1.5
SHEET 1 OF 2

LOCATION OF PUBLIC WATER SYSTEM MAINS ACCORDANCE WITH F.A.C. RULE 62-555.314

OTHER PIPE	HORIZONTAL SEPARATION	CROSSINGS (1)	JOINT SPACING @ CROSSINGS (FULL LENGTH OF PIPE CENTERED)
Storm Sewer; Stormwater Force Main; Reclaimed Water (2)	Water Main 3 ft. minimum	Water Main 12 inches is the minimum.	Alternate: 3 ft minimum Water Main
Vacuum Sanitary Sewer	Water Main 10 ft. preferred 3 ft. minimum	Water Main 12 inches preferred 6 inches minimum	Alternate: 3 ft minimum Water Main
Gravity or Pressure; Sanitary Sewer; Sanitary Sewer Force Main; Reclaimed Water (4)	Water Main 10 ft. preferred 6 ft. minimum (3)	Water Main 12 inches is the minimum.	Alternate: 6 ft minimum Water Main
On-Site Sewage Treatment & Disposal System	10 ft minimum	-	-

NOTES:

(1) WATER MAIN SHOULD BE ABOVE OTHER PIPE. WHEN WATER MAIN MUST BE BELOW OTHER PIPE, THE MINIMUM SEPARATION IS 12 INCHES.
(2) RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
(3) 3 FT. GRAVITY SANITARY SEWER WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST 6 INCHES ABOVE THE TOP OF THE GRAVITY SANITARY SEWER.
(4) RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.



NOTE
1-AFTER THE COARSE AGGREGATE HAS BEEN PLACED TO THE PROPER ELEVATION IT SHALL BE CAREFULLY WASHED DOWN WITH CLEAN WATER, OR TAMPERED, TO ALLOW FOR INITIAL SETTLEMENT THAT MAY OCCUR. IF SETTLEMENT DOES TAKE PLACE, ADDITIONAL No.4 COARSE AGGREGATE SHALL BE ADDED TO RESTORE THE PROPER ELEVATION SO THAT THE EXFILTRATION TRENCH IS COMPLETED IN ACCORDANCE WITH THE DETAILS.

* MAY BE USED IN AREAS WHERE TRENCH WALLS WILL NOT STAND VERTICAL, OR WHERE CAVE-IN BELOW THE WATER TABLE IS LIKELY TO OCCUR. TO BE USED AT THE ENGINEER'S DISCRETION.

NOTES (CONTINUED ON NEXT PAGE)
1. PLASTIC FILTER FABRIC SHALL BE WOVEN MONOFILAMENT POLYPROPYLENE GEOTEXTILE. PERMITTIVITY SHALL BE GREATER THAN 0.50 SEC AND FLOW RATE GREATER OR EQUAL TO 50 gpd/min.
2. MAXIMUM EXFILTRATION RATE WHICH CAN BE USED IN CALCULATING FRENCH DRAIN LENGTH IS 0.1 cfs/lf.

MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS	APPROVED 04/16/2015	REVISED 02/08/2011 09/26/2012 10/19/2012	STANDARD STORM DRAINAGE DETAIL EXFILTRATION TRENCH (FRENCH DRAIN)	SD 1.1 SHEET 1 OF 2

NOTES CONTINUED

3. THE MINIMUM PIPE DIAMETER FOR DRAINAGE SYSTEM WITHIN THE ROADWAY RIGHT-OF-WAY SHALL BE 18 INCHES. 15 INCH PIPE MAY BE USED IN PRIVATE ROADWAYS.
4. NO TREES TO BE PLANTED WITHIN 5 FEET OF THE EDGE OF THE TRENCH.
5. TYPE "P" S.D. 2.6 STRUCTURE IS RECOMMENDED FOR SMALL DRAINAGE AREAS LESS THAN 0.2 ACRE PER CATCH BASIN.
6. TYPE "C" S.D. 2.6 STRUCTURE IS RECOMMENDED FOR AREAS LARGER THAN 0.2 ACRE.
7. THE INVERTED OF PIPE SHALL NOT BE ACTUAL INTERSECTION BUT SHALL BE W.C. 2.2.
8. PIPES CAN BE ALLOWED BELOW MEAN HIGH OCTOBER WATER TABLE DUE TO UTILITY CONFLICTS OR IN ORDER TO PROVIDE THE REQUIRED MINIMUM COVER.
9. NEOPRENE GASKET REQUIRED FOR BAFFLES ON ALL CONTACT EDGES MOUNTED ON WALL.
10. OIL AND GREASE BAFFLE IS REQUIRED FOR ALL DRAINAGE STRUCTURES PRECEDING AN OUTFALL OR EXFILTRATION TRENCHES, IN PROJECTS LOCATED IN WELLFIELD PROTECTION AREAS, ROAD INTERSECTIONS WITH TRAFFIC LIGHTS, AND LARGE PARKING LOTS WHICH INCLUDE 15 PARKING SPACES OR MORE.
11. OIL AND GREASE BAFFLE MAY BE WAIVED IN SUBURBAN RESIDENTIAL AREAS.

GENERAL NOTES FOR PIPE CULVERTS

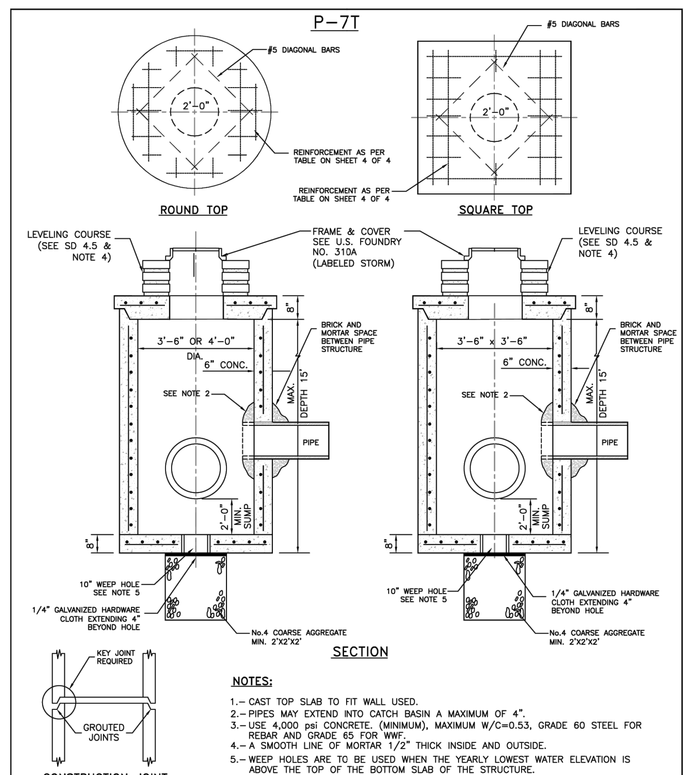
CONTRACTOR HAS THE OPTION OF INSTALLING ANY PIPE MEETING THE REQUIREMENTS OF SECTION 443-2 OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AS LONG AS THE MANUFACTURER IS LISTED, AT THE TIME OF PIPE INSTALLATION, IN FDOT'S LIST OF PRODUCERS WITH ACCEPTED QUALITY CONTROL PROGRAMS. PIPES WITH LESS THAN A 100-YEAR CERTIFICATION CANNOT BE USED ON SECTION LINE, HALF SECTION LINE, COLLECTOR ROADWAYS, AND ARTERIALS. 50-YEAR PIPE CERTIFICATION REQUIRED FOR ALL OTHER MINOR/LOCAL ROADWAYS.

MINIMUM NUMBER OF PERFORATION IN PIPE CULVERTS

PIPE DIAMETER (inches)	OUTER SHELL	LINER
	No. of 3/8" Dia. Holes (PER LIN. FT. OF PIPE)	No. of 5/8" Dia. Holes (PER LIN. FT. OF PIPE)
15	100	50
18	120	60
24	160	80
30	200	100
36	240	120
42	275	140
48	315	150
54	355	180
60	395	200
72	470	235
84	550	275

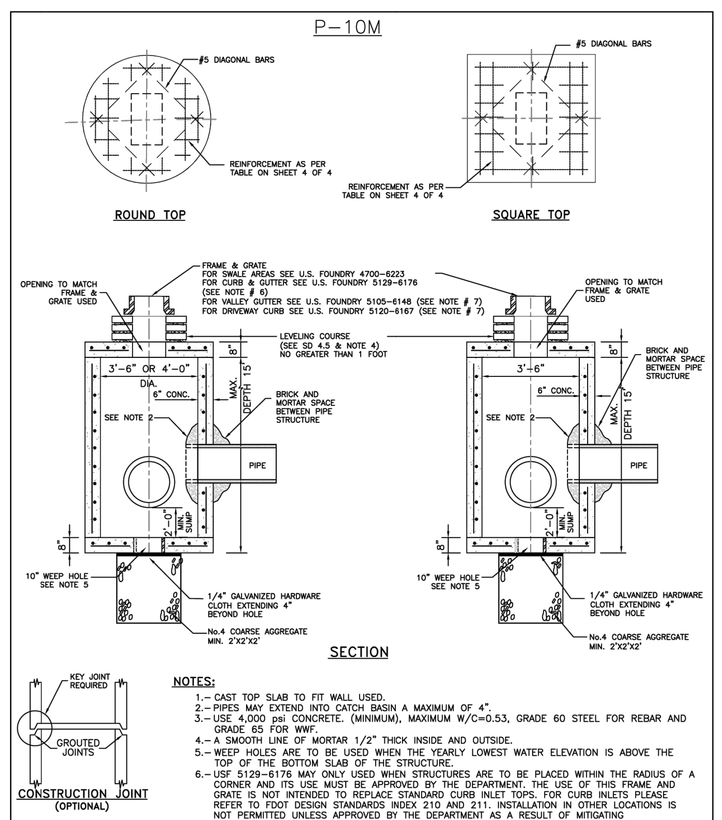
NOTE:
PERFORATIONS SHALL BE UNIFORMLY SPACED AROUND THE FULL PERIPHERY OF THE PIPE TO WITHIN 4" OF EACH END OF EACH LENGTH OF PIPE. THE NUMBER OF PERFORATIONS PER LINEAR FOOT OF PIPE AND THE DIAMETER OF THE PERFORATIONS SHALL BE AS SHOWN ON THE ABOVE TABLE.

MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS	APPROVED 04/16/2015	REVISED 06-04-86 10-22-13 05-02-81	STANDARD STORM DRAINAGE DETAIL EXFILTRATION TRENCH (PIPE CULVERT NOTES)	SD 1.1 SHEET 2 OF 2



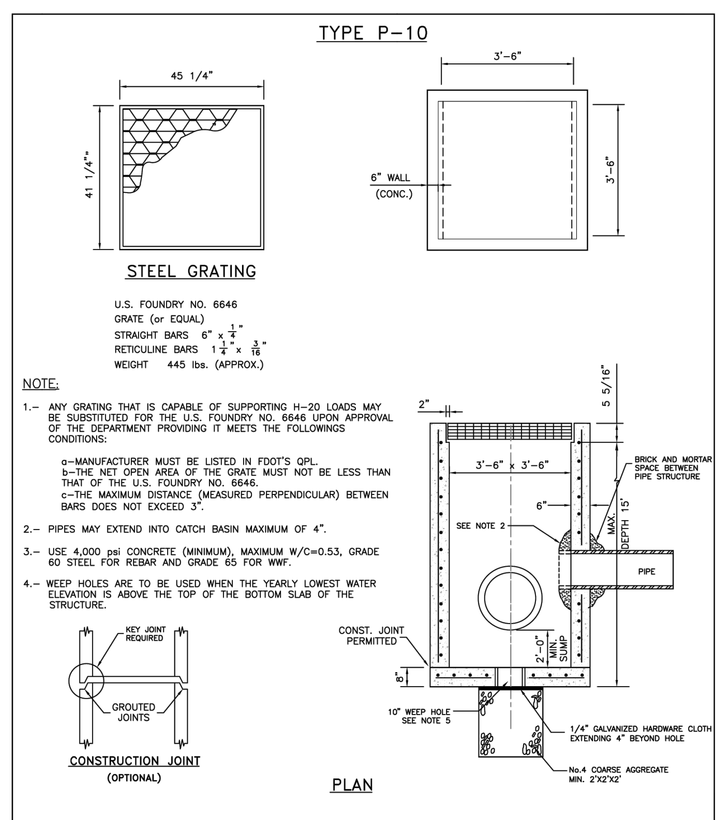
NOTES:
1.- CAST TOP SLAB TO FIT WALL USED.
2.- PIPES MAY EXTEND INTO CATCH BASIN A MAXIMUM OF 4".
3.- USE 4,000 psi CONCRETE, (MINIMUM), MAXIMUM W/C=0.53, GRADE 60 STEEL FOR REBAR AND GRADE 65 FOR WWF.
4.- A SMOOTH LINE OF MORTAR 1/2" THICK INSIDE AND OUTSIDE.
5.- WEEP HOLES ARE TO BE USED WHEN THE YEARLY LOWEST WATER ELEVATION IS ABOVE THE TOP OF THE BOTTOM SLAB OF THE STRUCTURE.

MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS	APPROVED 5/8/2018	REVISED 5/8/2018	STANDARD STORM DRAINAGE DETAIL MANHOLE AND INLET (TYPE P)	SD 2.7 SHEET 1 OF 4



NOTES:
1.- CAST TOP SLAB TO FIT WALL USED.
2.- PIPES MAY EXTEND INTO CATCH BASIN A MAXIMUM OF 4".
3.- USE 4,000 psi CONCRETE, (MINIMUM), MAXIMUM W/C=0.53, GRADE 60 STEEL FOR REBAR AND GRADE 65 FOR WWF.
4.- A SMOOTH LINE OF MORTAR 1/2" THICK INSIDE AND OUTSIDE.
5.- WEEP HOLES ARE TO BE USED WHEN THE YEARLY LOWEST WATER ELEVATION IS ABOVE THE TOP OF THE BOTTOM SLAB OF THE STRUCTURE.
6.- USF 5129-6176 MAY ONLY USED WHEN STRUCTURES ARE TO BE PLACED WITHIN THE RADIUS OF A CORNER AND ITS USE MUST BE APPROVED BY THE DEPARTMENT. THE USE OF THIS FRAME AND GRATE IS NOT INTENDED TO REPLACE STANDARD CURB INLET TOPS. FOR CURB INLETS PLEASE REFER TO FDOT DESIGN STANDARDS INDEX 210 AND 211. INSTALLATION IN OTHER LOCATIONS IS NOT PERMITTED UNLESS APPROVED BY THE DEPARTMENT AS A RESULT OF MITIGATING CIRCUMSTANCES.

MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS	APPROVED 5/8/2018	REVISED 5/8/2018	STANDARD STORM DRAINAGE DETAIL MANHOLE AND INLET (TYPE P)	SD 2.7 SHEET 2 OF 4



NOTE:
1.- ANY GRATING THAT IS CAPABLE OF SUPPORTING H-20 LOADS MAY BE SUBSTITUTED FOR THE U.S. FOUNDRY NO. 6646 UPON APPROVAL OF THE DEPARTMENT PROVIDING IT MEETS THE FOLLOWINGS CONDITIONS:
a-MANUFACTURER MUST BE LISTED IN FDOT'S QPL.
b-THE NET OPEN AREA OF THE GRATE MUST NOT BE LESS THAN THAT OF THE U.S. FOUNDRY NO. 6646.
c-THE MAXIMUM DISTANCE (MEASURED PERPENDICULAR) BETWEEN BARS DOES NOT EXCEED 3".
2.- PIPES MAY EXTEND INTO CATCH BASIN MAXIMUM OF 4".
3.- USE 4,000 psi CONCRETE (MINIMUM), MAXIMUM W/C=0.53, GRADE 60 STEEL FOR REBAR AND GRADE 65 FOR WWF.
4.- WEEP HOLES ARE TO BE USED WHEN THE YEARLY LOWEST WATER ELEVATION IS ABOVE THE TOP OF THE BOTTOM SLAB OF THE STRUCTURE.

MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS	APPROVED 5/8/2018	REVISED 5/8/2018	STANDARD STORM DRAINAGE DETAIL MANHOLE AND INLET (TYPE P)	SD 2.7 SHEET 3 OF 4

SQUARE STRUCTURE

Standard Detail	Width (ft)	Length (ft)	Height (ft)	Wall Thickness (in)	Wall Steel	Top Slab Thickness (in)	Top Slab Steel	Bottom Slab Thickness (in)	Bottom Slab Steel
2.7	3.5	3.5	0.0 - 5.0	6.0	#4@10"H #4@10"V	8.0	#4@7" E.W.	8.0	#4@10" E.W.
2.7	3.5	3.5	5.1 - 10.0	6.0	#4@9"H #4@10"V	8.0	#4@6" E.W.	8.0	#4@10" E.W.
2.7	3.5	3.5	10.1-15.0	6.0	#5@6"H #4@10"V	8.0	#4@6.5" E.W.	8.0	#4@10" E.W.

ROUND STRUCTURE

Standard Detail	Dia. (ft) Min.	Dia. (ft) Max.	Height (ft)	Wall Thickness (in)	Wall Steel	Top Slab Thickness (in)	Top Slab Steel	Bottom Slab Thickness (in)	Bottom Slab Steel
2.7	3.5	4.0	0.0 - 5.0	6.0	8 x 8 W20 or #4@10"E.W	8.0	#4@7" E.W.	8.0	#4@10" E.W.
2.7	3.5	4.0	5.1 - 10.0	6.0	8 x 8 W20 or #4@10"E.W	8.0	#4@6" E.W.	8.0	#4@10" E.W.
2.7	3.5	4.0	10.1 - 15.0	6.0	8 x 8 W20 or #4@10"E.W	8.0	#4@6.5" E.W.	8.0	#4@10" E.W.

MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS	APPROVED 5/8/2018	REVISED 5/8/2018	STANDARD STORM DRAINAGE DETAIL MANHOLE AND INLET (TYPE P)	SD 2.7 SHEET 4 OF 4

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

No.	REVISIONS	DATE	BY

TIFFANY STANTON ★ LICENSE ★ No 85268 ★ STATE OF FLORIDA ★ PROFESSIONAL ENGINEER

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

KHA PROJECT 043145105
DATE MAY 2025
SCALE AS SHOWN
DESIGNED BY TS
DRAWN BY DM
CHECKED BY SV
DATE

PAVING GRADING AND DRAINAGE DETAILS

SAGA BAY DRAINAGE IMPROVEMENTS-NORTH
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

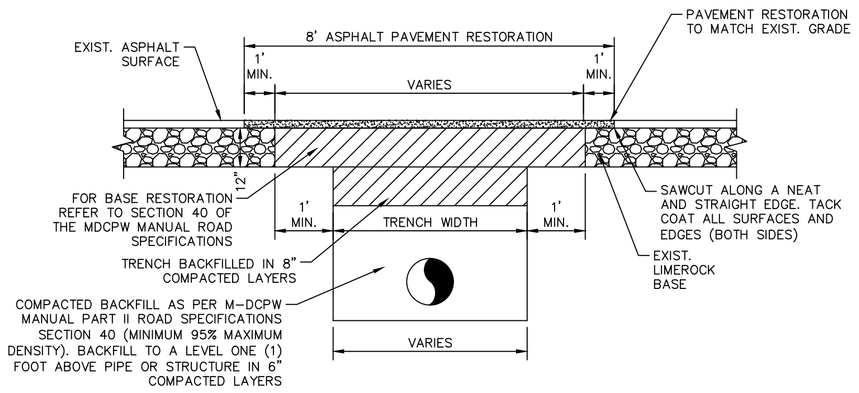
SHEET NUMBER
C301.12

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

Plotted By:Rainier Flores, Sheet Set:SAGA BAY DRAINAGE IMPROVEMENTS, Layout:C301.12 Paving Grading and Drainage Details, August 05, 2025 - 12:00:36pm K:\WI_civil\043_jobs\043145105_saga bay drainage improvements\C4D\plansheets\C301.1 Paving, Grading and Drainage Details.dwg

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Town of Cutler Bay | ITB No. 25-04
Saga Bay Drainage Improvements Project
Page 210 of 329

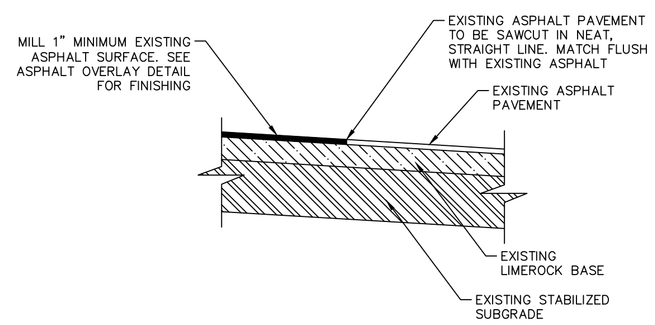


GENERAL NOTES:

1. BASE MATERIAL SHALL BE PLACED IN 6 INCH MAXIMUM LAYERS AND EACH LAYER THOROUGHLY ROLLED OR TAMPED TO 98% OF MAXIMUM DENSITY, PER AASHTO T-180. BASE MATERIAL SHALL HAVE A MINIMUM LBR OF 100.
2. ASPHALTIC CONCRETE PAVEMENT JOINTS SHALL BE MECHANICALLY SAWED.
3. SURFACE TREATED PAVEMENT JOINTS SHALL BE LAPPED AND FEATHERED. PAVEMENT MATERIAL SHALL BE 2-1/2" FDOT TYPE SP-9.5 (FINE MIX) FIRST LIFT AND 1" (MIN.) FDOT FC-9.5 TOP LIFT, SEE OVERLAY DETAIL. MATCH EXISTING GRADES AT LIMIT OF SAWCUT.
4. BID PRICES FOR PIPE AND/OR FRENCH DRAIN SHALL INCLUDE PAVEMENT RESTORATION TO MATCH EXISTING GRADES. CONTRACTOR SHALL NOT LEAVE MORE THAN 1,100-FEET OF EXPOSED LIMEROCK BASE AT ANY TIME DURING THE TRENCH/PAVEMENT RESTORATION PROCESS.
5. WHEN TRENCHING OUTSIDE THE PAVEMENT AREA, ASPHALT AND BASE MATERIAL REFERENCED IN GENERAL NOTES ARE NOT REQUIRED. RESTORE OR REPLACE ALL PUBLIC OR PRIVATE PROPERTY TO A CONDITION AT LEAST EQUAL TO THAT EXISTING IMMEDIATELY PRIOR TO COMMENCEMENT OF CONSTRUCTION. ALL IMPACTED AREAS SHALL BE COMPACTED TO 95% DENSITY IN 6-INCH MAXIMUM LIFTS.
6. PAVEMENT RESTORATION FOR LONGITUDINAL CUTS SHALL INCLUDE FULL LANE WIDTH RESURFACING FOR EACH LANE WITHIN WHICH THE CUT EXTENDS.
7. IN SOME CASES IT WILL BE NECESSARY TO OVERLAY MORE THAN ONE (1) LANE WITH ASPHALTIC CONCRETE TO SATISFY PAVEMENT SLOPE.
8. CONTRACTOR MAY ELECT TO BACKFILL WITH 1:0 SAND-CEMENT MIX.

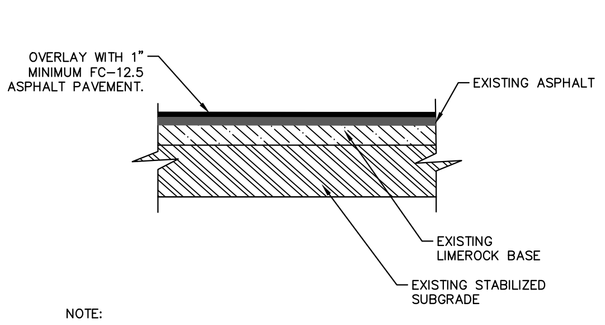
TRENCH/PAVEMENT RESTORATION

NOT TO SCALE



ASPHALT MILLING DETAIL

NOT TO SCALE

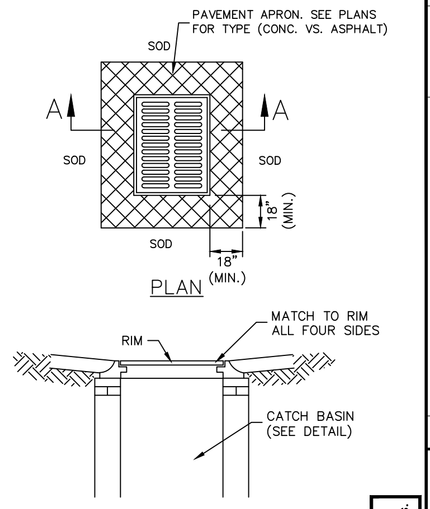


NOTE:

CONTRACTOR TO PROVIDE SMOOTH AND CONTINUOUS GRADING DURING ASPHALT OVERLAY PROCESS TO AVOIDS AREAS OF STANDING WATER. COST SHALL BE INCLUDED IN THE ASPHALTIC CONCRETE SURFACE COURSE OVERLAY PAY ITEM.

ASPHALT OVERLAY DETAIL

NOT TO SCALE



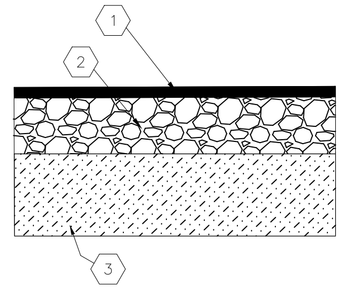
SECTION 'A – A'

NOTES:

1. IN GRASS AREA, ALL GRATES SHALL HAVE A MINIMUM 1.5' PAVEMENT APRON AROUND.
2. IN PAVER AREA, ALL GRATES SHALL HAVE A MINIMUM 1.5' PAVEMENT APRON AROUND

PAVEMENT APRON w/ INLET

NOT TO SCALE

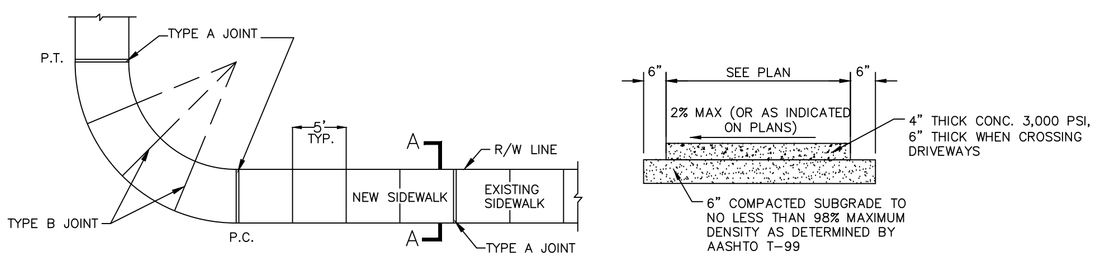


PAVING LEGEND

1. 1" ASPHALT SURFACE TYPE SP-9.5 OR APPROVED EQUAL (BOTTOM) AND 1" MIN. FC-9.5 TOP LIFT
2. 8" LIMEROCK BASE COMPACTED IN 1 LIFT WITH MINIMUM LBR OF 100
3. 12" THICK SUBGRADE COMPACTED AND STABILIZED WITH MINIMUM DESIGN LBR OF 40 COMPACTED TO AT LEAST 98% OF MAXIMUM DRY DENSITY (AASHTO T-180)

PAVEMENT CROSS-SECTION

NOT TO SCALE



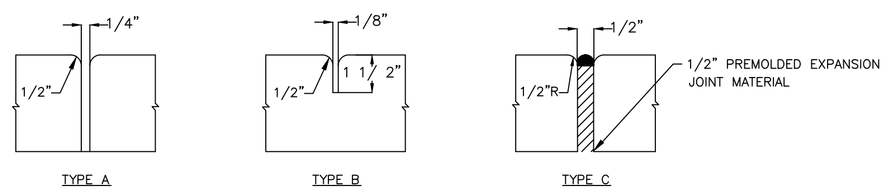


TABLE OF SIDEWALK THICKNESS – T	
LOCATION	
STANDARD SIDEWALK	4"
AT DRIVEWAYS AND OTHER AREAS	6"

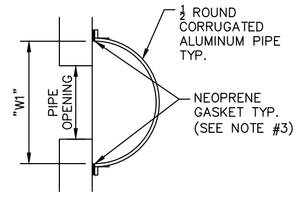
TABLE OF SIDEWALK JOINTS	
	LOCATION
A	P.C. AND P.T. OF CURVES. JUNCTION OF EXISTING AND NEW SIDEWALK.
B	5'-0" CENTER TO CENTER ON SIDEWALK.
C	WHERE SIDEWALK ABUTS CONCRETE CURBS, DRIVEWAYS, AND SIMILAR STRUCTURES

NOTES:

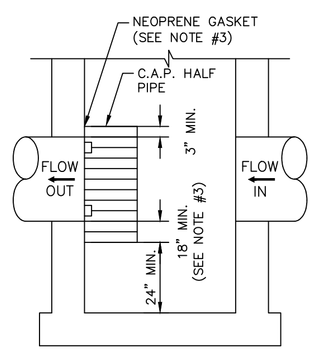
1. PLACE #10/10 6x6 WIRE MESH IN THE PORTION OF THE SIDEWALK THAT CROSSES THE DRIVEWAY ONLY.
2. STANDARD SIDEWALK TO BE 3000 PSI @ 28 DAYS
3. CONCRETE FOR SIDEWALK AT DRIVEWAYS AND LOADING ZONES SHALL BE 4000 PSI @ 28 DAYS (HEAVY DUTY).
4. CURE ALL CONCRETE WITH CLEAN SAND, PLASTIC MEMBRANE, OR OTHER APPROVED METHOD.
5. TOOLED JOINTS TO OCCUR AT INTERVALS EQUAL TO WIDTH OF SIDEWALK
6. SIDEWALK TO HAVE BROOM FINISH PERPENDICULAR TO PATH OF TRAVEL.
7. CONTRACTOR SHALL REPAIR AND RESTORE ALL AREAS WITHIN THE ABUTTING R/W DISTURBED DURING CONSTRUCTION TO A CONDITION EQUAL TO OR BETTER THAN EXISTING AT NO ADDITIONAL COST TO THE OWNER.
8. ALL DEMOLISHED SIDEWALKS AND ADDITIONS ARE TO BE REPLACED WITH CONCRETE SIDEWALK TO MATCH EXISTING AT NO ADDITIONAL COST TO THE OWNER.
9. ALL DEMOLISHED SIDEWALK RAMPS ARE TO BE REPLACED AS PER ADA STANDARDS AND INCLUDE ADA COMPLIANT DETECTABLE WARNINGS AT NO ADDITIONAL COST TO THE OWNER.

SIDEWALK DESIGN STANDARDS

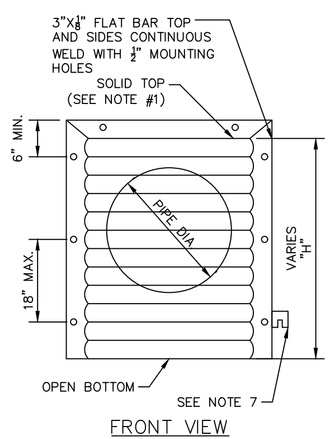
NOT TO SCALE



TOP VIEW
RECTANGULAR STRUCTURE



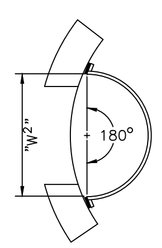
SIDE VIEW



FRONT VIEW

PIPE DIA.	W[1] (IN)	W[2] (IN)	T (GAUGE)	H (IN)
15"	21"	21"	16	VARIES
18"	24"	24"	16	VARIES
21"	30"	30"	16	VARIES
24"	30"	36"	16	VARIES
30"	36"	42"	14	VARIES
36"	42"	48"	14	VARIES
42"	48"	54"	14	VARIES
48"	54"	60"	14	VARIES
54"	60"	66"	14	VARIES

RECTANGULAR STRUCTURE
ROUND STRUCTURE



TOP VIEW
ROUND STRUCTURE

POLLUTION RETARDANT BAFFLE

NOT TO SCALE

NOTES:

1. ALUMINUM SHEET OF SAME THICKNESS (GAUGE) AS PIPE SHALL BE WELDED TO CLOSE OPENING AT THE TOP.
2. NEOPRENE ADHESIVE BACKED GASKET, OR APPROVED EQUAL (1"X2") SHALL BE INSTALLED ON THE SIDES AND TOP OF ALL BAFFLES.
3. POLLUTION RETARDANT BAFFLES TO BE FASTENED IN PLACE WITH ⅜"x4" STEEL "RED HEADS", OR APPROVED EQUAL.
4. ALL EXFILRATION TRENCHES SHALL HAVE A POLLUTION RETARDANT BAFFLE AT EACH CONNECTION POINT TO A STRUCTURE (SEE EXFILTRATION TRENCH DETAIL).
5. FIBERGLASS BAFFLES ARE NOT PERMITTED.
6. MOUNTING BRACKETS MAY BE ADDED TO FLAT BARS TO EASE INSTALLATION IN ROUND STRUCTURES, SPACING TO MATCH HOLES IN FLAT BARS.
7. ALL STRUCTURES DISCHARGING INTO ANY RETENTION OR DETENTION AREAS SHALL HAVE BAFFLE MECHANISMS INSTALLED

No.	REVISIONS	DATE	BY

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON ★ LICENSE ★ No 85268 ★ STATE OF FLORIDA ★ PROFESSIONAL ENGINEER

KHA PROJECT 043145105	
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

PAVING GRADING AND DRAINAGE DETAILS

SAGA BAY DRAINAGE IMPROVEMENTS-NORTH
PREPARED FOR
TOWN OF CUTLER BAY

CUTLER BAY FLORIDA

SHEET NUMBER
C301.13

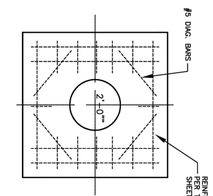
811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast, it's free, it's the law.
www.callbeforeyoudig.com

Plotted By: Rainier, Flinn Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C301.13 Paving, Grading and Drainage Details August 05, 2025 - 12:00:30pm K:\WI_civil\043_jobs\043145105_saga bay drainage improvements\civil\C3D\plansheets\C301 Paving, Grading and Drainage Details.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

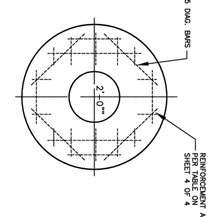
Plotted By: Beziner, Eliana Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C301.14 Paving Grading and Drainage Details August 05, 2025 12:09:48pm K:\ftl_civil\043 jobs\043145105 saga bay drainage improvements\CAD\plansheets\C301.1 Paving, Grading, and Drainage Details.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

J-7T

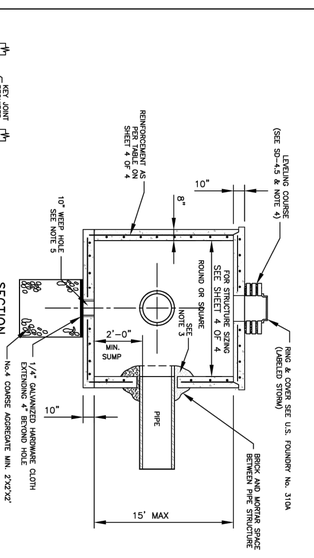
SQUARE TOP



ROUND TOP



SECTION



NOTES:

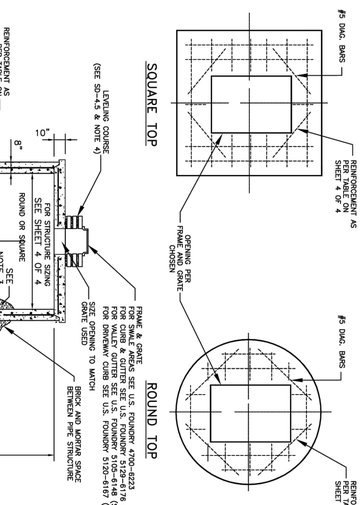
1- CAST TOP SLAB TO FIT WALL USED.
2- USE 4,000 psi CONCRETE. (MINIMUM). MAXIMUM W/C=0.53. GRADE 60 STEEL FOR REBAR AND GRADE 65 FOR WWF.
3- PIPES MAY EXTEND INTO CATCH BASIN A MAXIMUM OF 4".
4- APPLY A SMOOTH LINE OF MORTAR 1/2" THICK INSIDE AND OUTSIDE.
5- WEEP HOLES ARE TO BE USED WHEN THE YEARLY LOWEST WATER ELEVATION IS ABOVE THE TOP OF THE BOTTOM SLAB OF THE STRUCTURE.

CONSTRUCTION JOINT (OPTIONAL)

MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS	APPROVED 5/9/2018	REVISED 5/9/2018 9/16/2013 9/26/2012 8/2/2011	STANDARD STORM DRAINAGE DETAIL MANHOLE AND INLET (TYPE J)	SD 2.6 SHEET 1 OF 4

J-10M

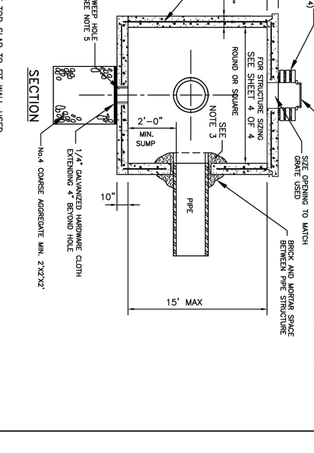
SQUARE TOP



ROUND TOP

FRAME & GRATE
FOR SMALL AREAS SEE U.S. FOUNDRY #700-4223 (SEE NOTE # 6)
FOR VALLEY GUTTER SEE U.S. FOUNDRY 5100-4148 (SEE NOTE # 7)
FOR DRIVEWAY CURB SEE U.S. FOUNDRY 5120-6167 (SEE NOTE # 7)
GRATE USED TO MATCH

SECTION



NOTES:

1- CAST TOP SLAB TO FIT WALL USED.
2- USE 4,000 psi CONCRETE. (MINIMUM). MAXIMUM W/C=0.53 GRADE 60 STEEL FOR REBAR AND 65 FOR WWF.
3- PIPES MAY EXTEND INTO CATCH BASIN A MAXIMUM OF 4".
4- A SMOOTH LINE OF MORTAR 1/2" THICK INSIDE AND OUTSIDE.
5- WEEP HOLES ARE TO BE USED WHEN THE YEARLY LOWEST WATER ELEVATION IS ABOVE THE TOP OF THE BOTTOM SLAB OF THE STRUCTURE.
6- USE OF GRATES OTHER THAN SOLID TOP GRATES ARE TO BE PLACED WITHIN THE RADIUS OF A CORNER AND ITS USE MUST BE APPROVED BY THE DEPARTMENT. THE USE OF THIS FRAME AND GRATE IS NOT INTENDED TO REPLACE STANDARD CURB INLET TOPS. FOR CURB INLETS LOCATIONS WHERE THE USE OF SOLID TOP GRATES IS NOT PERMITTED UNLESS APPROVED BY THE DEPARTMENT AS A RESULT OF MITIGATING CIRCUMSTANCES.
7- ALTERNATIVE GRATE 5112-6143 MAY BE USED ON NON-RESIDENTIAL ROADWAYS.

CONSTRUCTION JOINT (OPTIONAL)

MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS	APPROVED 5/9/2018	REVISED 5/9/2018 9/16/2013 9/26/2012 8/2/2011	STANDARD STORM DRAINAGE DETAIL MANHOLE AND INLET (TYPE J)	SD 2.6 SHEET 2 OF 4

J-10

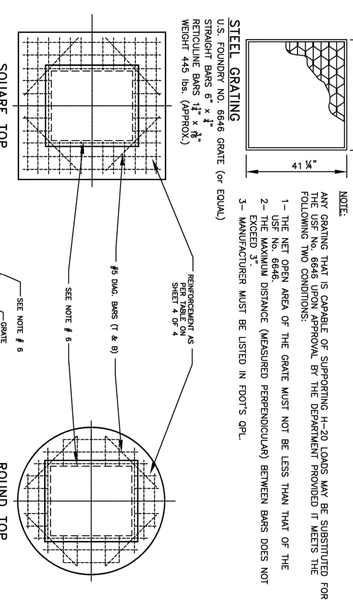
ANY GRATING THAT IS CAPABLE OF SUPPORTING H-20 LOADS MAY BE SUBSTITUTED FOR THE USF No. 6646 UPON APPROVAL BY THE DEPARTMENT PROVIDED IT MEETS THE FOLLOWING TWO CONDITIONS:

1- THE NET OPEN AREA OF THE GRATE MUST NOT BE LESS THAN THAT OF THE USF No. 6646.
2- THE MAXIMUM DISTANCE (MEASURED PERPENDICULAR) BETWEEN BARS DOES NOT EXCEED 3".
3- MANUFACTURER MUST BE LISTED IN FDOT'S QPL.

STEEL GRATING

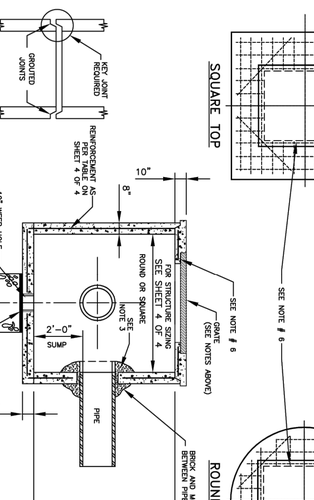
U.S. FOUNDRY NO. 6646 GRATE (or EQUAL)
STRAIGHT BARS 6" x 1" x $\frac{5}{8}$"
RETICULINE BARS 1" x $\frac{5}{8}$"
WEIGHT 445 lbs. (APPROX.)

SQUARE TOP



ROUND TOP

SECTION



NOTES:

1- CAST TOP SLAB TO FIT WALL USED.
2- USE 4,000 psi CONCRETE (MINIMUM). MAXIMUM W/C=0.53 GRADE 60 STEEL FOR REBAR AND 65 FOR WWF.
3- PIPES MAY EXTEND INTO CATCH BASIN A MAXIMUM OF 4".
4- APPLY A SMOOTH LINE OF MORTAR 1/2" THICK INSIDE AND OUTSIDE.
5- WEEP HOLES ARE TO BE USED WHEN THE YEARLY LOWEST WATER ELEVATION IS ABOVE THE TOP OF THE BOTTOM SLAB OF THE STRUCTURE.
6- GRATE TO BE SUPPORTED ON ALL SIDES.
7- STANDARD GRATES NOT DESIGNED FOR HEAVY TRAFFIC AREAS OR WHERE THEY WOULD BE SUBJECTED TO CONSTANT STANDING SEATS AT DOWN APPROACHES.

CONSTRUCTION JOINT (OPTIONAL)

MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS	APPROVED 5/9/2018	REVISED 5/9/2018 9/16/2013 9/26/2012 8/2/2011	STANDARD STORM DRAINAGE DETAIL MANHOLE AND INLET (TYPE J)	SD 2.6 SHEET 3 OF 4

Standard Detail	Width (ft) Min.	Length (ft) Max.	Height (ft)	Wall Thickness (in)	Wall Steel	Top Slab Thickness (in)	Top Slab Steel	Bottom Slab Thickness (in)	Bottom Slab Steel
2.6	8	8	0.0 - 5.0	8	#4@7"H #4@10"V	10	#6@6" E.W.	10	#5@8.5" E.W.
2.6	8	8	5.1 - 10.0	8	#6@7.5"H #4@10"V	10	#6@6" E.W.	10	#5@8.5" E.W.
2.6	8	8	10.1-15.0	8	#7@7"H #4@10"V	10	#6@6" E.W.	10	#5@8.5" E.W.

SQUARE STRUCTURE

Standard Detail	Dia. (ft) Min.	Dia. (ft) Max.	Height (ft)	Wall Thickness (in)	Wall Steel	Top Slab Thickness (in)	Top Slab Steel	Bottom Slab Thickness (in)	Bottom Slab Steel
2.6	5	7	0.0 - 5.0	8	8 x 8 W20 or #4@10"E.W	10	#6@6" E.W.	10	#5@8.5" E.W.
2.6	5	7	5.1 - 10.0	8	8 x 8 W20 or #4@10"E.W	10	#6@6" E.W.	10	#5@8.5" E.W.
2.6	5	7	10.1 - 15.0	8	8 x 8 W20 or #4@10"E.W	10	#6@6" E.W.	10	#5@8.5" E.W.

ROUND STRUCTURE

MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS	APPROVED 5/9/2018	REVISED 5/9/2018 11/28/2012 8/2/2011	STANDARD STORM DRAINAGE DETAIL MANHOLE AND INLET (TYPE J)	SD 2.6 SHEET 4 OF 4

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

SHEET NUMBER C301.14

SAGA BAY DRAINAGE IMPROVEMENTS-NORTH
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

PAVING GRADING AND DRAINAGE DETAILS

KHA PROJECT 043145105
DATE MAY 2025
SCALE AS SHOWN
DESIGNED BY TS
DRAWN BY DM
CHECKED BY SV

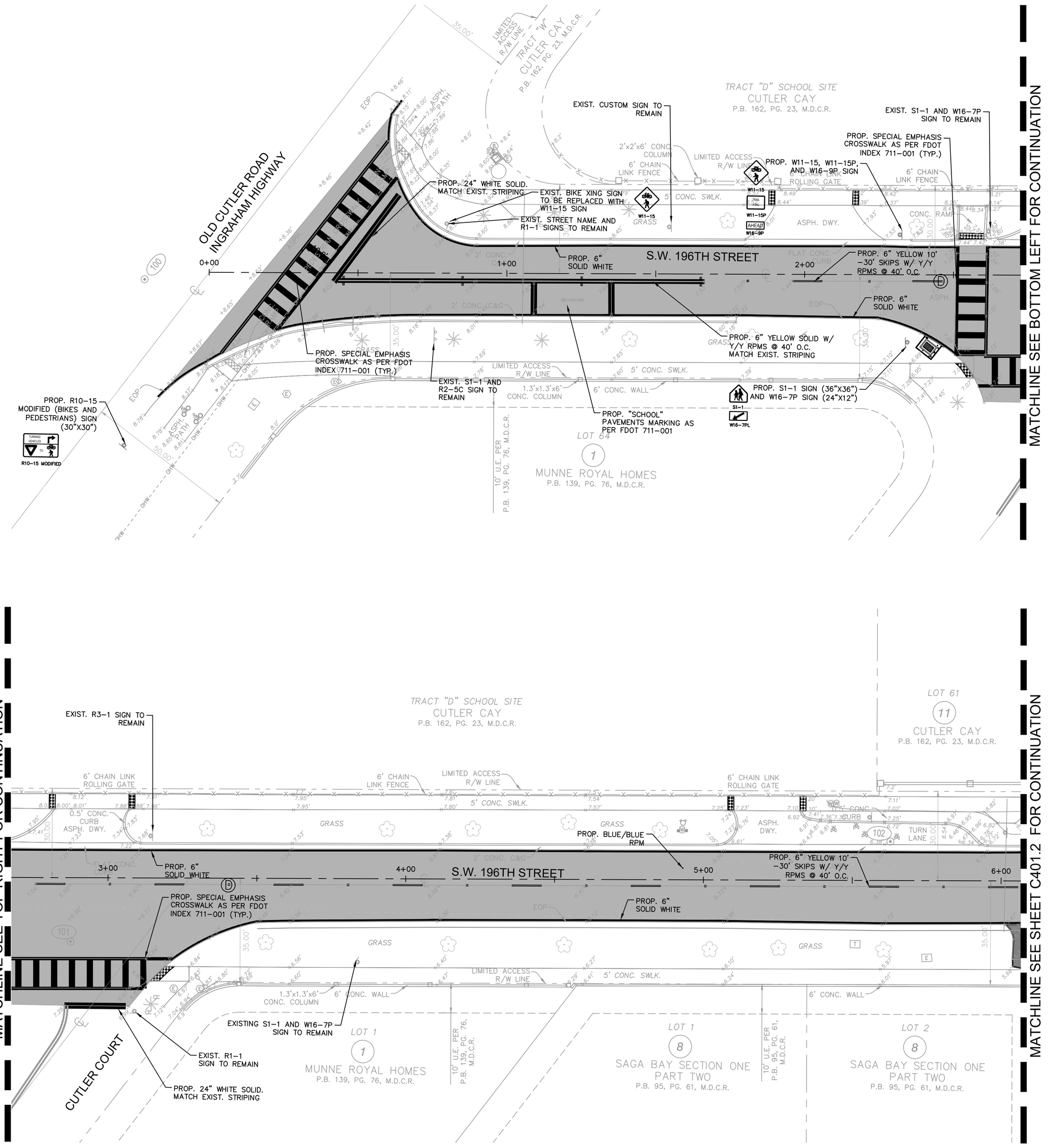
TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: 8/5/2025

Kimley»Horn

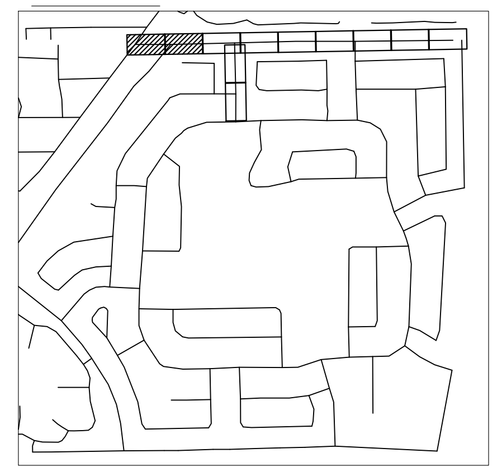
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

No.	REVISIONS	DATE	BY

811 KNOW WHAT'S BELOW CALL TWO WORKING DAYS BEFORE YOU DIG
www.callsunshine.com



KEY MAP



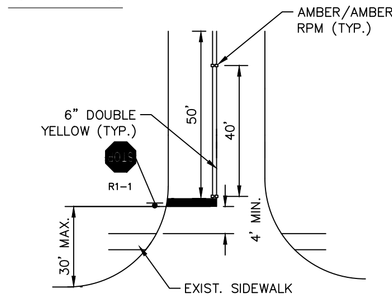
LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING STORM CATCH BASIN
- EXISTING SIGN
- EXISTING POWER POLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROP. PAVEMENT OVERLAY

NOTES

1. ALL PAVEMENT MARKING AND SIGNING SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), MIAMI-DADE TRAFFIC ENGINEERING.
2. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. CONTRACTOR SHALL PAINT MARKINGS THEN AFTER 14 DAY CURING PERIOD PLACE THERMOPLASTIC PAVEMENT MARKINGS.
3. ONE BI-DIRECTIONAL YELLOW REFLECTIVE PAVEMENT MARKER SHALL BE PROVIDED AT 40' INTERVALS ON EACH SIDE OF DOUBLE YELLOW STRIPES AND AT 40' INTERVALS WITHIN SKIP CENTERLINE MARKINGS.

DETAILS



STOP BAR & STRIPING DETAIL
NOT TO SCALE

NOTES:
1. EXISTING STOP SIGNS AND STOP BARS SHALL BE RELOCATED AS NEEDED TO COMPLY WITH MINIMUM/MAXIMUM DIMENSIONS SHOWN. ALL RELOCATIONS SHALL BE PREFORMED AT NO ADDITIONAL COST TO THE OWNER.
2. ALL STOP BARS SHALL BE LOCATED AS PER MIAMI-DADE COUNTY STANDARD DETAIL R18.2.
3. DETAILS IN FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) ROADWAY STANDARD PLANS FOR ROAD CONSTRUCTION, AND MIAMI-DADE COUNTY PUBLIC WORKS MANUAL SHALL BE USED WHERE APPLICABLE.
4. REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED AS NOTED IN PLANS AND DETAILS. ALL STRIPING SHALL BE THERMOPLASTIC.
5. ALL EXISTING SIGNS SHALL BE PROTECTED DURING CONSTRUCTION AND SHALL REMAIN. CONTRACTOR IS RESPONSIBLE TO REPLACE/REPAIR ANY DAMAGE TO SIGNAGE AS A RESULT OF CONSTRUCTION AT NO COST TO THE OWNER.
6. ALL EXISTING PAVEMENT MARKINGS SHALL BE REPLACED FOLLOWING RESURFACING.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON
No 85268
STATE OF FLORIDA
PROFESSIONAL ENGINEER
DATE: 10/14/2025

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

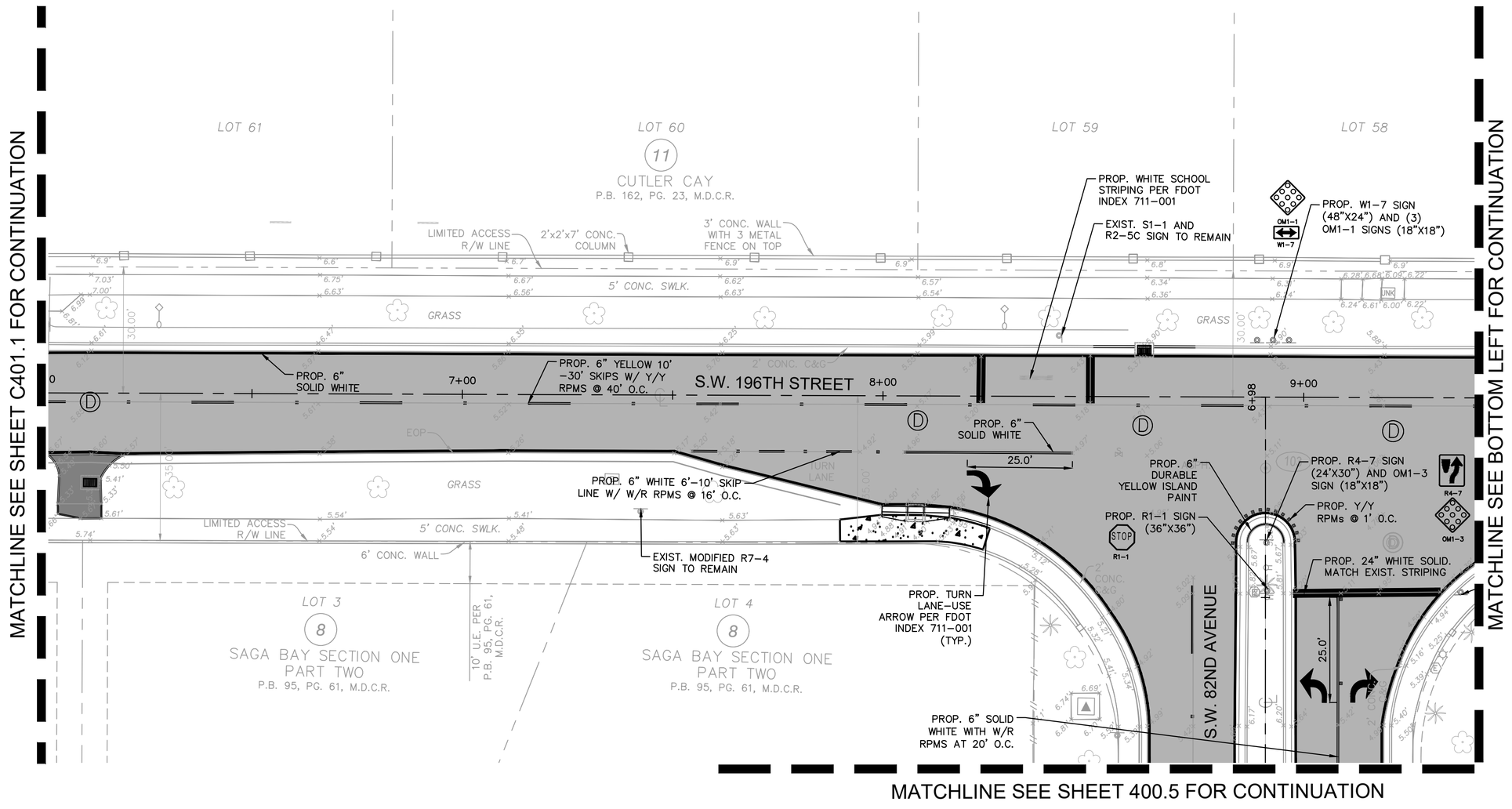
SIGNING AND PAVEMENT MARKING PLAN

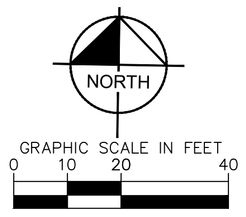
SAGA BAY DRAINAGE IMPROVEMENTS-NORTH
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

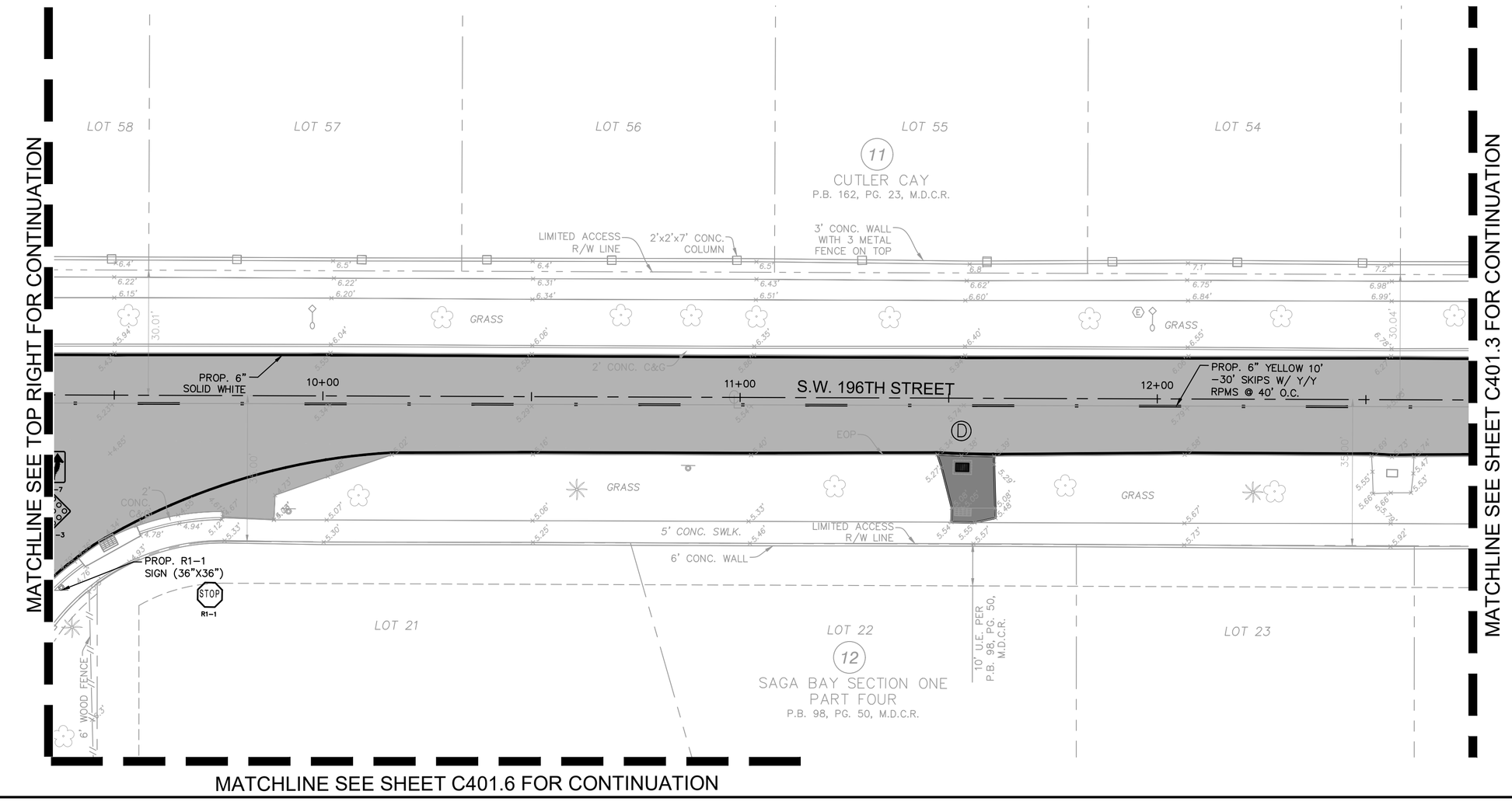
SHEET NUMBER
C401.1

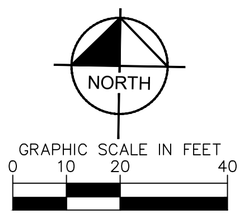
811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
www.callbeforeyoudig.com

Plotted By: Raziner Flores Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C401.1 Signing and Pavement Marking Plan August 06, 2025 12:10:13pm K:\HI_civil\043 Jobs\043145106 saga bay dr\civil\construction\C4D\xlconstruct\C401.1 Signing and Pavement Marking Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.
Town of Cutler Bay | ITB No. 25-07
Saga Bay - Phase 1 (Ingraham Hwy)
Page 215 of 220

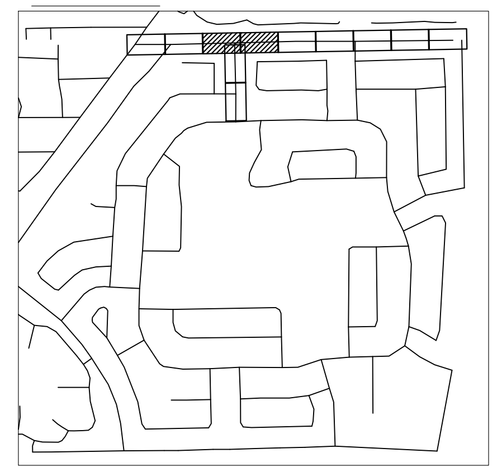








KEY MAP



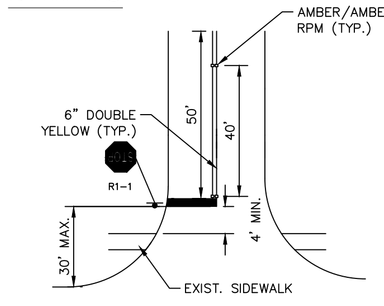
LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING STORM CATCH BASIN
- EXISTING SIGN
- EXISTING POWER POLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROP. PAVEMENT OVERLAY

NOTES

1. ALL PAVEMENT MARKING AND SIGNING SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), MIAMI-DADE TRAFFIC ENGINEERING.
2. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. CONTRACTOR SHALL PAINT MARKINGS THEN AFTER 14 DAY CURING PERIOD PLACE THERMOPLASTIC PAVEMENT MARKINGS.
3. ONE BI-DIRECTIONAL YELLOW REFLECTIVE PAVEMENT MARKER SHALL BE PROVIDED AT 40' INTERVALS ON EACH SIDE OF DOUBLE YELLOW STRIPES AND AT 40' INTERVALS WITHIN SKIP CENTERLINE MARKINGS.

DETAILS



STOP BAR & STRIPING DETAIL
NOT TO SCALE

NOTES:
1. EXISTING STOP SIGNS AND STOP BARS SHALL BE RELOCATED AS NEEDED TO COMPLY WITH MINIMUM/MAXIMUM DIMENSIONS SHOWN. ALL RELOCATIONS SHALL BE PREFORMED AT NO ADDITIONAL COST TO THE OWNER.
2. ALL STOP BARS SHALL BE LOCATED AS PER MIAMI-DADE COUNTY STANDARD DETAIL R18.2.
3. DETAILS IN FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) ROADWAY STANDARD PLANS FOR ROAD CONSTRUCTION, AND MIAMI-DADE COUNTY PUBLIC WORKS MANUAL SHALL BE USED WHERE APPLICABLE.
4. REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED AS NOTED IN PLANS AND DETAILS. ALL STRIPING SHALL BE THERMOPLASTIC.
5. ALL EXISTING SIGNS SHALL BE PROTECTED DURING CONSTRUCTION AND SHALL REMAIN. CONTRACTOR IS RESPONSIBLE TO REPLACE/REPAIR ANY DAMAGE TO SIGNAGE AS A RESULT OF CONSTRUCTION AT NO COST TO THE OWNER.
6. ALL EXISTING PAVEMENT MARKINGS SHALL BE REPLACED FOLLOWING RESURFACING.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

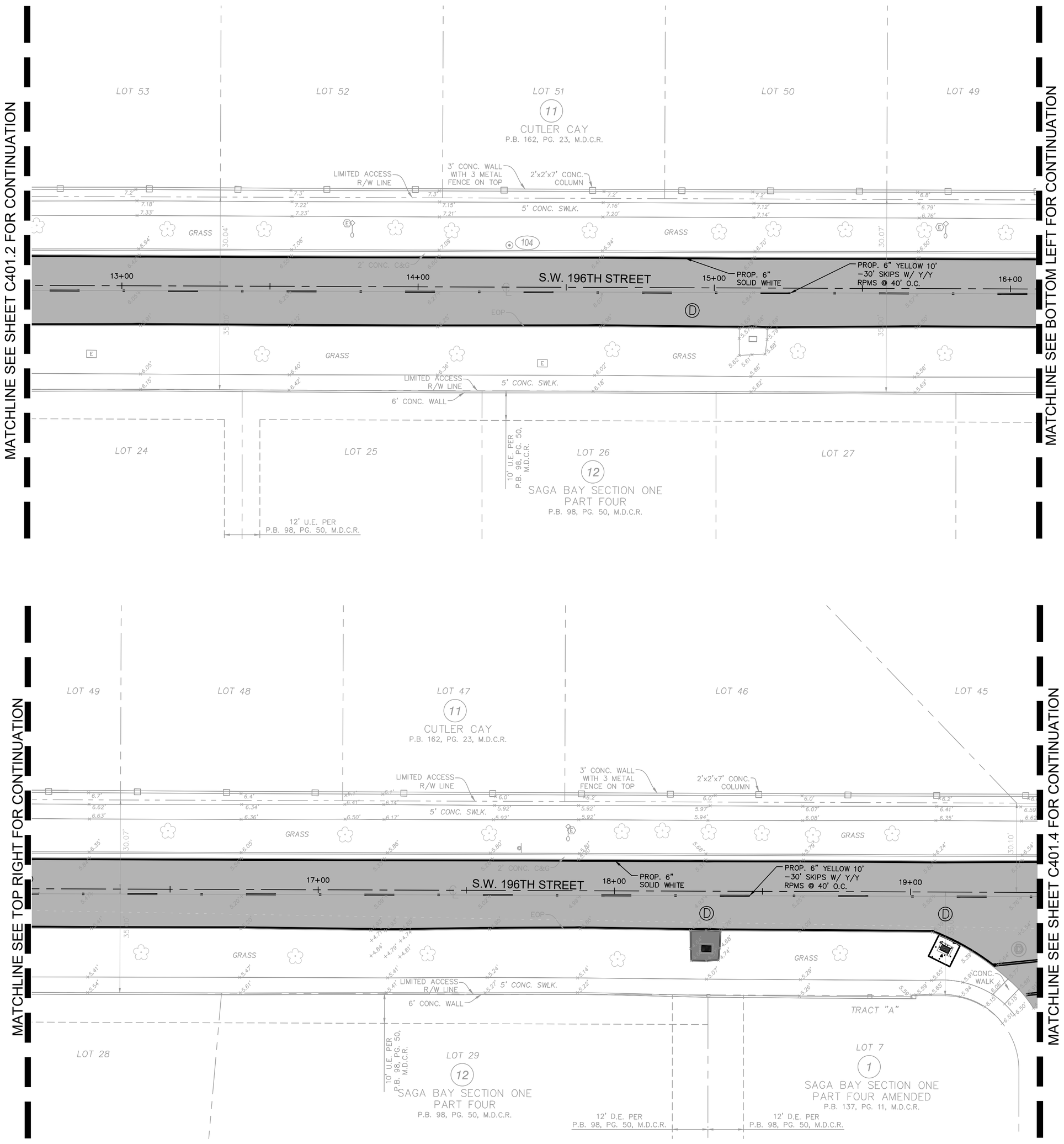
SIGNING AND PAVEMENT MARKING PLAN

SAGA BAY DRAINAGE IMPROVEMENTS-NORTH
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

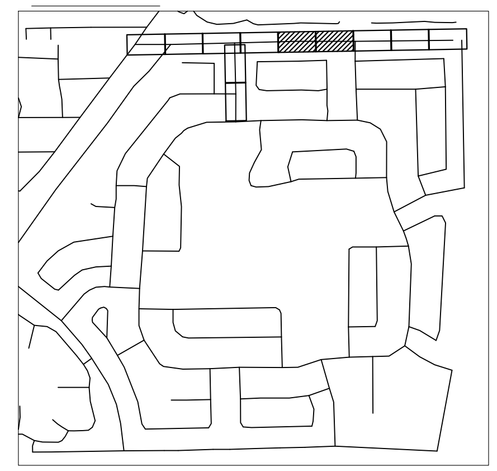
SHEET NUMBER
C401.2

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.sunshine811.com

Plotted By: Rodriguez, Eliana Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C401.2 Signing and Pavement Marking Plan August 06, 2025 12:10:27pm K:\MI_civil\043145105 John\043145105 signing and pavement improvements\CAD\sheets\C401.2 Signing and Pavement Marking Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



KEY MAP



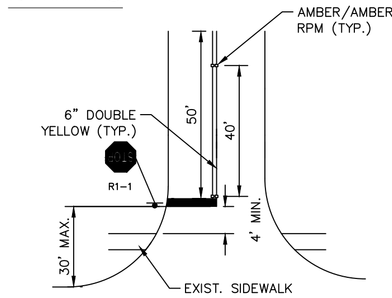
LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING STORM CATCH BASIN
- EXISTING SIGN
- EXISTING POWER POLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROP. PAVEMENT OVERLAY

NOTES

1. ALL PAVEMENT MARKING AND SIGNING SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), MIAMI-DADE TRAFFIC ENGINEERING.
2. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. CONTRACTOR SHALL PAINT MARKINGS THEN AFTER 14 DAY CURING PERIOD PLACE THERMOPLASTIC PAVEMENT MARKINGS.
3. ONE BI-DIRECTIONAL YELLOW REFLECTIVE PAVEMENT MARKER SHALL BE PROVIDED AT 40' INTERVALS ON EACH SIDE OF DOUBLE YELLOW STRIPES AND AT 40' INTERVALS WITHIN SKIP CENTERLINE MARKINGS.

DETAILS



STOP BAR & STRIPING DETAIL
NOT TO SCALE

NOTES:
1. EXISTING STOP SIGNS AND STOP BARS SHALL BE RELOCATED AS NEEDED TO COMPLY WITH MINIMUM/MAXIMUM DIMENSIONS SHOWN. ALL RELOCATIONS SHALL BE PREFORMED AT NO ADDITIONAL COST TO THE OWNER.
2. ALL STOP BARS SHALL BE LOCATED AS PER MIAMI-DADE COUNTY STANDARD DETAIL R18.2.
3. DETAILS IN FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) ROADWAY STANDARD PLANS FOR ROAD CONSTRUCTION, AND MIAMI-DADE COUNTY PUBLIC WORKS MANUAL SHALL BE USED WHERE APPLICABLE.
4. REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED AS NOTED IN PLANS AND DETAILS. ALL STRIPING SHALL BE THERMOPLASTIC.
5. ALL EXISTING SIGNS SHALL BE PROTECTED DURING CONSTRUCTION AND SHALL REMAIN. CONTRACTOR IS RESPONSIBLE TO REPLACE/REPAIR ANY DAMAGE TO SIGNAGE AS A RESULT OF CONSTRUCTION AT NO COST TO THE OWNER.
6. ALL EXISTING PAVEMENT MARKINGS SHALL BE REPLACED FOLLOWING RESURFACING.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON
FLORIDA LICENSE
No 85268
STATE OF FLORIDA
PROFESSIONAL ENGINEER
DATE: 10/14/2025

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

SIGNING AND PAVEMENT MARKING PLAN

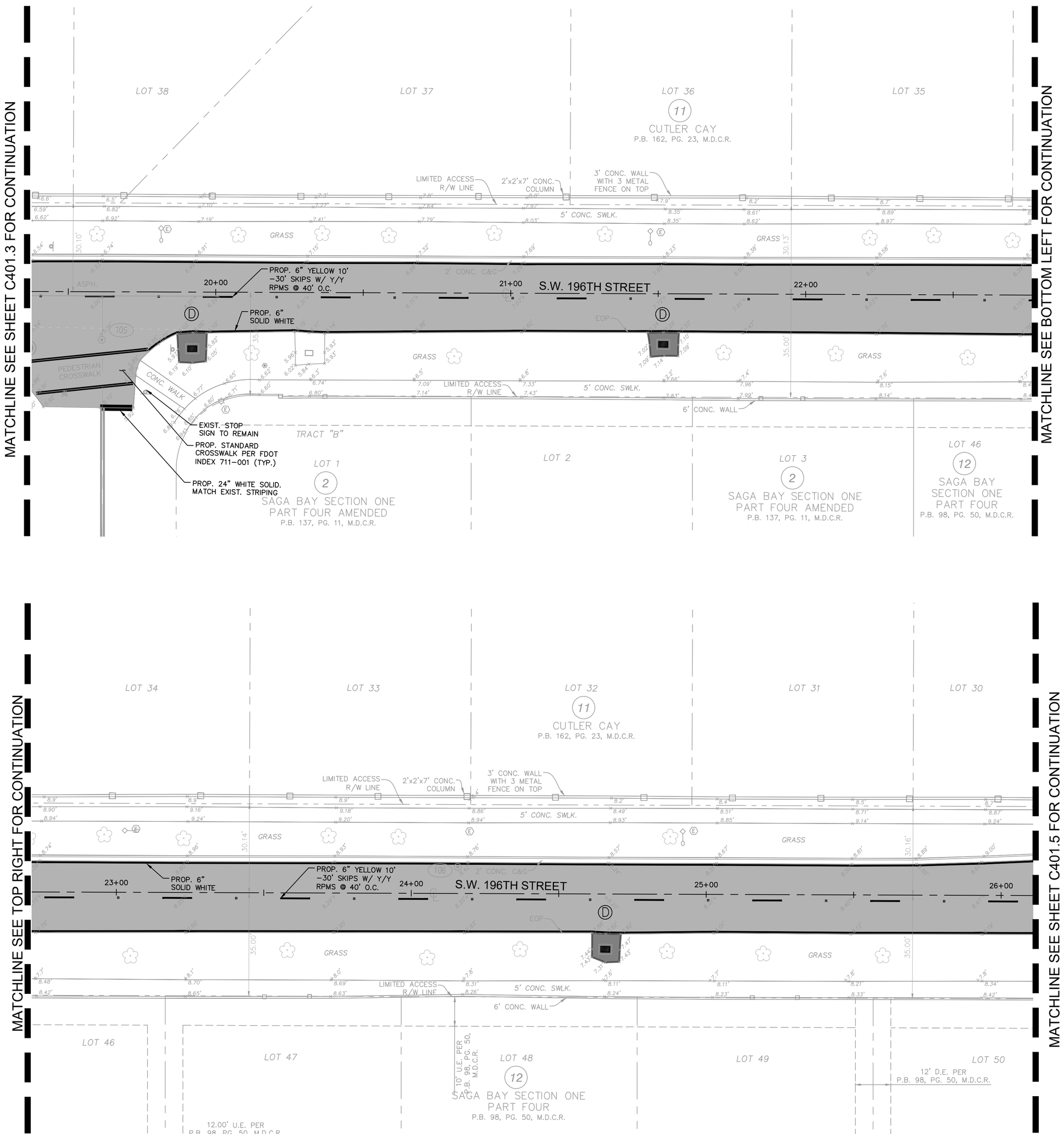
SAGA BAY DRAINAGE IMPROVEMENTS-NORTH
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C401.3

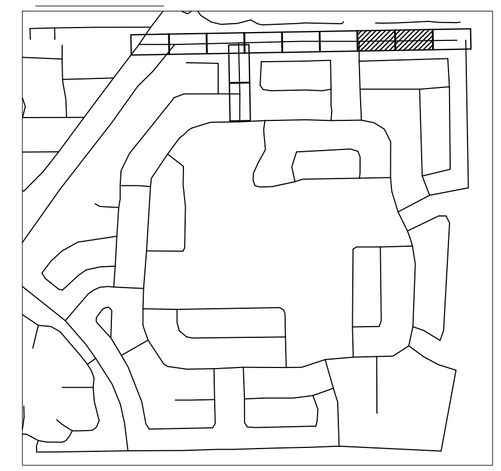
811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
www.callbeforeyoudig.com

Plotted By: Rainier Flores Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C401.3_Signing and Pavement Marking Plan August 06, 2025 12:10:42pm K:\MI_civil\043_John\043145105_saga bay drainage improvements\CAD\xlsheet\C4010.1_Signing and Pavement Marking Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Town of Cutler Bay | ITB No. 25-03
Saga Bay Drainage Improvements Project
Page 215 of 320



KEY MAP



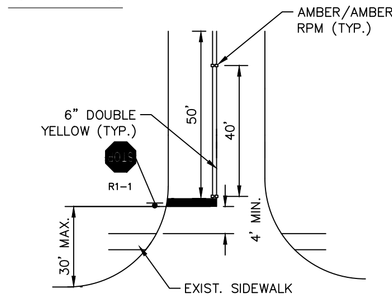
LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING STORM CATCH BASIN
- EXISTING SIGN
- EXISTING POWER POLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROP. PAVEMENT OVERLAY

NOTES

1. ALL PAVEMENT MARKING AND SIGNING SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), MIAMI-DADE TRAFFIC ENGINEERING.
2. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. CONTRACTOR SHALL PAINT MARKINGS THEN AFTER 14 DAY CURING PERIOD PLACE THERMOPLASTIC PAVEMENT MARKINGS.
3. ONE BI-DIRECTIONAL YELLOW REFLECTIVE PAVEMENT MARKER SHALL BE PROVIDED AT 40' INTERVALS ON EACH SIDE OF DOUBLE YELLOW STRIPES AND AT 40' INTERVALS WITHIN SKIP CENTERLINE MARKINGS.

DETAILS



STOP BAR & STRIPING DETAIL
NOT TO SCALE

NOTES:
1. EXISTING STOP SIGNS AND STOP BARS SHALL BE RELOCATED AS NEEDED TO COMPLY WITH MINIMUM/MAXIMUM DIMENSIONS SHOWN. ALL RELOCATIONS SHALL BE PREFORMED AT NO ADDITIONAL COST TO THE OWNER.
2. ALL STOP BARS SHALL BE LOCATED AS PER MIAMI-DADE COUNTY STANDARD DETAIL R18.2.
3. DETAILS IN FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) ROADWAY STANDARD PLANS FOR ROAD CONSTRUCTION, AND MIAMI-DADE COUNTY PUBLIC WORKS MANUAL SHALL BE USED WHERE APPLICABLE.
4. REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED AS NOTED IN PLANS AND DETAILS. ALL STRIPING SHALL BE THERMOPLASTIC.
5. ALL EXISTING SIGNS SHALL BE PROTECTED DURING CONSTRUCTION AND SHALL REMAIN. CONTRACTOR IS RESPONSIBLE TO REPLACE/REPAIR ANY DAMAGE TO SIGNAGE AS A RESULT OF CONSTRUCTION AT NO COST TO THE OWNER.
6. ALL EXISTING PAVEMENT MARKINGS SHALL BE REPLACED FOLLOWING RESURFACING.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON ★ FLORIDA ★ PROFESSIONAL ENGINEER
No 85268
STATE OF FLORIDA
DATE: 10/6/2025

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

SIGNING AND PAVEMENT MARKING PLAN

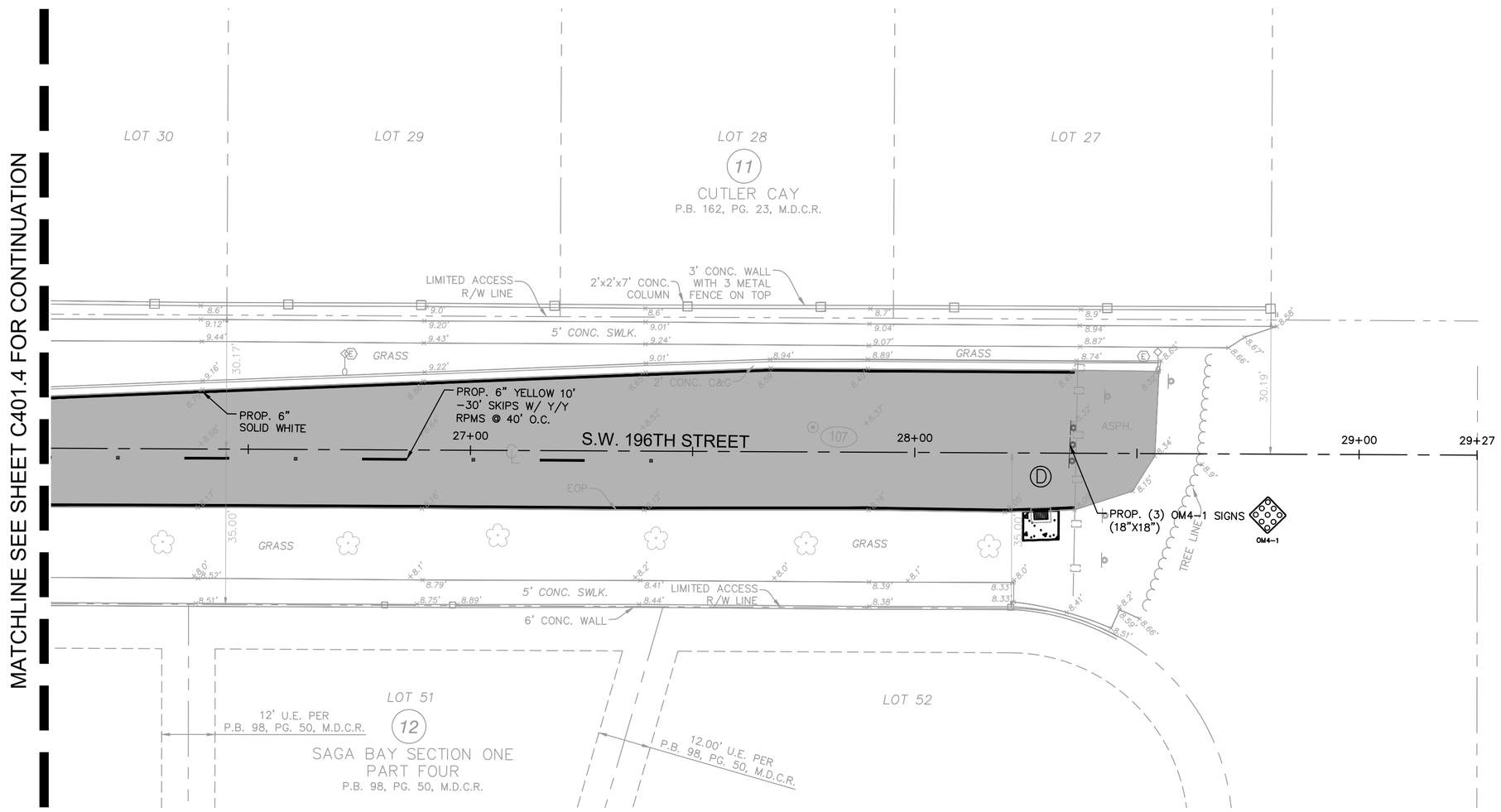
SAGA BAY DRAINAGE IMPROVEMENTS-NORTH
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

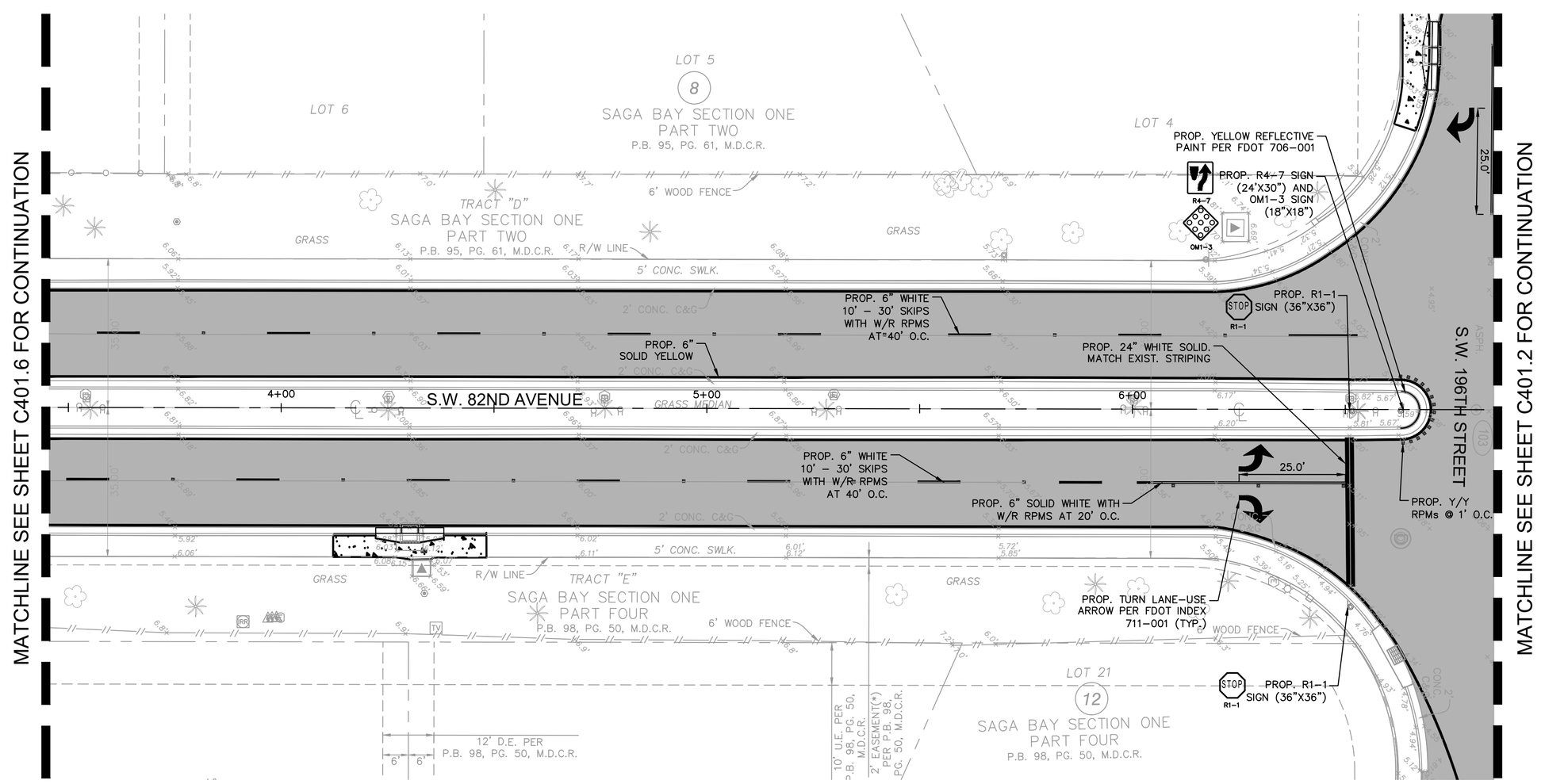
SHEET NUMBER
C401.4

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
www.callbeforeyoudig.com

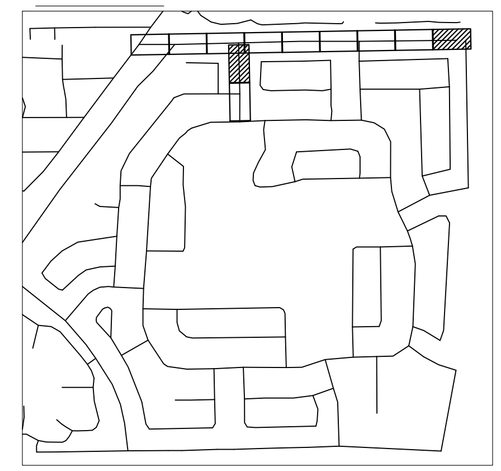
Plotted By: Rainier Flores Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C401.4 Signing and Pavement Marking Plan August 06, 2025 12:10:47pm K:\MI_civil\043145105 town bay drainage improvements\CAD\sheetset\C4010.1 Signing and Pavement Marking Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Town of Cutler Bay | ITB No. 25-04
Saga Bay Drainage Improvements Project
Page 216 of 320





KEY MAP



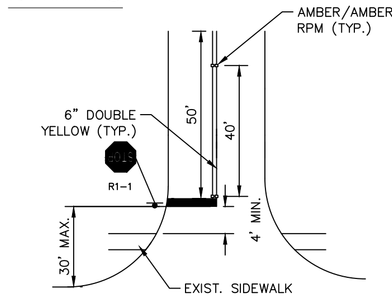
LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING STORM CATCH BASIN
- EXISTING SIGN
- EXISTING POWER POLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROP. PAVEMENT OVERLAY

NOTES

1. ALL PAVEMENT MARKING AND SIGNING SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), MIAMI-DADE TRAFFIC ENGINEERING.
2. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. CONTRACTOR SHALL PAINT MARKINGS THEN AFTER 14 DAY CURING PERIOD PLACE THERMOPLASTIC PAVEMENT MARKINGS.
3. ONE BI-DIRECTIONAL YELLOW REFLECTIVE PAVEMENT MARKER SHALL BE PROVIDED AT 40' INTERVALS ON EACH SIDE OF DOUBLE YELLOW STRIPES AND AT 40' INTERVALS WITHIN SKIP CENTERLINE MARKINGS.

DETAILS



STOP BAR & STRIPING DETAIL
NOT TO SCALE

NOTES:
1. EXISTING STOP SIGNS AND STOP BARS SHALL BE RELOCATED AS NEEDED TO COMPLY WITH MINIMUM/MAXIMUM DIMENSIONS SHOWN. ALL RELOCATIONS SHALL BE PREFORMED AT NO ADDITIONAL COST TO THE OWNER.
2. ALL STOP BARS SHALL BE LOCATED AS PER MIAMI-DADE COUNTY STANDARD DETAIL R18.2.
3. DETAILS IN FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) ROADWAY STANDARD PLANS FOR ROAD CONSTRUCTION, AND MIAMI-DADE COUNTY PUBLIC WORKS MANUAL SHALL BE USED WHERE APPLICABLE.
4. REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED AS NOTED IN PLANS AND DETAILS. ALL STRIPING SHALL BE THERMOPLASTIC.
5. ALL EXISTING SIGNS SHALL BE PROTECTED DURING CONSTRUCTION AND SHALL REMAIN. CONTRACTOR IS RESPONSIBLE TO REPLACE/REPAIR ANY DAMAGE TO SIGNAGE AS A RESULT OF CONSTRUCTION AT NO COST TO THE OWNER.
6. ALL EXISTING PAVEMENT MARKINGS SHALL BE REPLACED FOLLOWING RESURFACING.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: 10/1/2025

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

SIGNING AND PAVEMENT MARKING PLAN

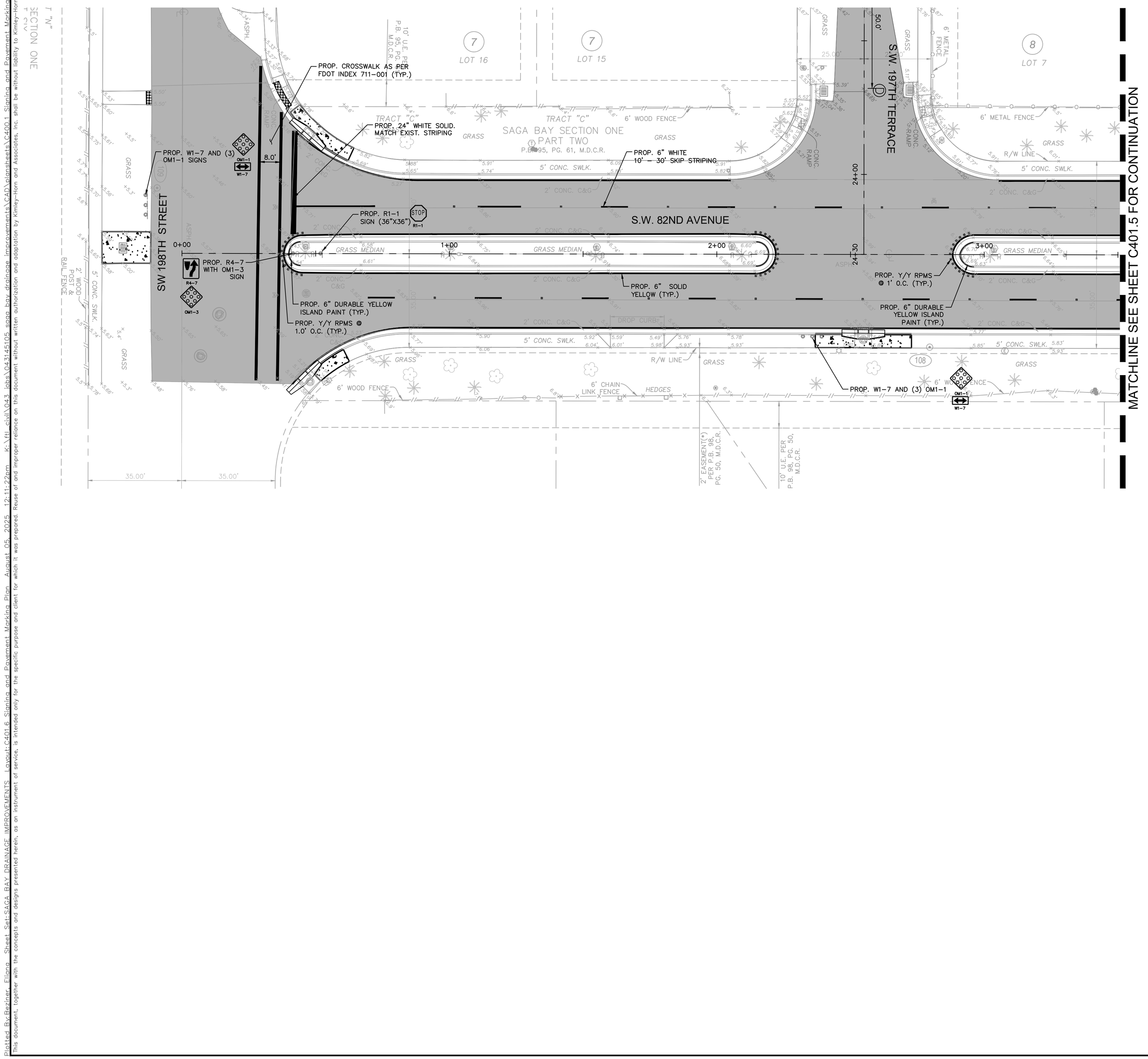
SAGA BAY DRAINAGE IMPROVEMENTS-NORTH
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C401.5

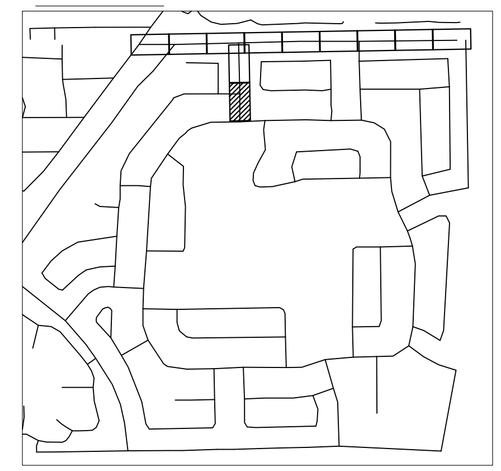
811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG www.callbeforeyoudig.com

Plotted By: Rachner, Elijah Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C401.6 Signing and Pavement Marking Plan August 06, 2025 12:11:12pm K:\HI_civil\043_labs\043145105_saga bay drainage improvements\C4D\signheet\C4D0_Signing and Pavement Marking Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Town of Cutler Bay | ITB No. 25-07
Saga Bay Drainage Improvements
Page 217 of 230



KEY MAP



GRAPHIC SCALE IN FEET
0 10 20 40

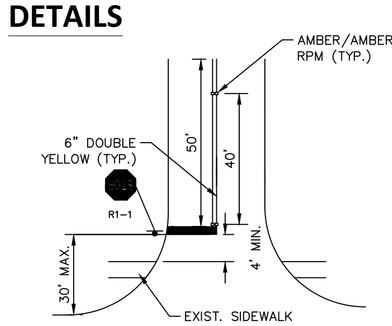
LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING STORM CATCH BASIN
- EXISTING SIGN
- EXISTING POWER POLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROP. PAVEMENT OVERLAY

NOTES

1. ALL PAVEMENT MARKING AND SIGNING SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), MIAMI-DADE TRAFFIC ENGINEERING.
2. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. CONTRACTOR SHALL PAINT MARKINGS THEN AFTER 14 DAY CURING PERIOD PLACE THERMOPLASTIC PAVEMENT MARKINGS.
3. ONE BI-DIRECTIONAL YELLOW REFLECTIVE PAVEMENT MARKER SHALL BE PROVIDED AT 40' INTERVALS ON EACH SIDE OF DOUBLE YELLOW STRIPES AND AT 40' INTERVALS WITHIN SKIP CENTERLINE MARKINGS.

DETAILS



STOP BAR & STRIPING DETAIL
NOT TO SCALE

NOTES:
1. EXISTING STOP SIGNS AND STOP BARS SHALL BE RELOCATED AS NEEDED TO COMPLY WITH MINIMUM/MAXIMUM DIMENSIONS SHOWN. ALL RELOCATIONS SHALL BE PREFORMED AT NO ADDITIONAL COST TO THE OWNER.
2. ALL STOP BARS SHALL BE LOCATED AS PER MIAMI-DADE COUNTY STANDARD DETAIL R18.2.
3. DETAILS IN FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) ROADWAY STANDARD PLANS FOR ROAD CONSTRUCTION, AND MIAMI-DADE COUNTY PUBLIC WORKS MANUAL SHALL BE USED WHERE APPLICABLE.
4. REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED AS NOTED IN PLANS AND DETAILS. ALL STRIPING SHALL BE THERMOPLASTIC.
5. ALL EXISTING SIGNS SHALL BE PROTECTED DURING CONSTRUCTION AND SHALL REMAIN. CONTRACTOR IS RESPONSIBLE TO REPLACE/REPAIR ANY DAMAGE TO SIGNAGE AS A RESULT OF CONSTRUCTION AT NO COST TO THE OWNER.
6. ALL EXISTING PAVEMENT MARKINGS SHALL BE REPLACED FOLLOWING RESURFACING.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON FLORIDA LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

SIGNING AND PAVEMENT MARKING PLAN

SAGA BAY DRAINAGE IMPROVEMENTS-NORTH
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C401.6

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG www.callbeforeyoudig.com

Plotted By: Rainier Flores Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C401 & Signing and Pavement Marking Plan August 06, 2025 12:11:22pm K:\MI_civil\043\043145105_saga bay drainage improvements\CAD\sheets\C401.1 Signing and Pavement Marking Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Town of Cutler Bay ITB1 No. 25-01
Saga Bay Drainage Improvements
Page 218 of 320

APPENDIX "D"

PROJECT PLANS

Prepared by Kimley-Horn and Associates, Inc.

Saga Bay West (Phase II)

SAGA BAY DRAINAGE IMPROVEMENTS

PREPARED FOR:

TOWN OF CUTLER BAY

LOCATION:

SAGA BAY NEIGHBORHOODS

CUTLER BAY, FLORIDA

SECTION 10, TOWNSHIP 56S, RANGE 40E

WEST

PROJECT TEAM

OWNER:
TOWN OF CUTLER BAY
10720 CARIBBEAN BLVD. SUITE 105
CUTLER BAY, FL 33189
(305) 234-4262

CIVIL ENGINEER:
KIMLEY-HORN & ASSOCIATES
TIFFANY STANTON, P.E.
8201 PETERS ROAD, SUITE 2200
PLANTATION, FL 33324
(954) 828-0081
TIFFANY.STANTON@KIMLEY-HORN.COM

SURVEYOR:
STONER & ASSOCIATES, INC.
4341 S.W. 62ND AVENUE
DAVIE, FL 33314
(954) 585-0997

GEOTECHNICAL:
TIERRA SOUTH FLORIDA
2765 VISTA PKWAY
WEST PALM BEACH, FL 33411
(561) 687-8536
INFO@TSFGEO.COM

UTILITY PROVIDERS

WATER, SEWER, STORM:
MIAMI DADE
CONTACT: LAZARO GUERRA
3575 S LEJEUNE ROAD, MIAMI, FL, 33146
(786) 268-5273
LAZARO.GUERRA@MIAMIDADE.GOV

COMCAST:
CONTACT: RICARDO DAVIDSON
6565 NOVA DRIVE
DAVIE, FL 33317
(786) 586-8505
RICARDOA_DAVIDSON@COMCAST.COM

FPL
CONTACT: EDGAR AGUILAR
10705 QUAIL ROOST DR
MIAMI, FL 33157
(386) 586-6403
EDGAR.AGUILAR@FPL.COM

GAS:
FLORIDA CITY GAS
CONTACT: GUSTAVO PENA
4045 NW 97TH AVE, DORAL, FL 33178
(305) 835-3624
FCG-ENGINEERING.SHAREDMAILBOX@NEXTERAENERGY.COM

AT&T:
CONTACT: DINO FARRUGGIO
6628 LAKESIDE ROAD, WEST PALM BEACH, FL, 33411
(561) 683-2729

FIBER:
CROWN CASTLE FIBER
CONTACT: DANNY HASKETT
1601 NW 136TH AVE, SUITE A-200
MIAMI, FL 33323
(786) 610-7073

COMMUNITY OFFICIALS

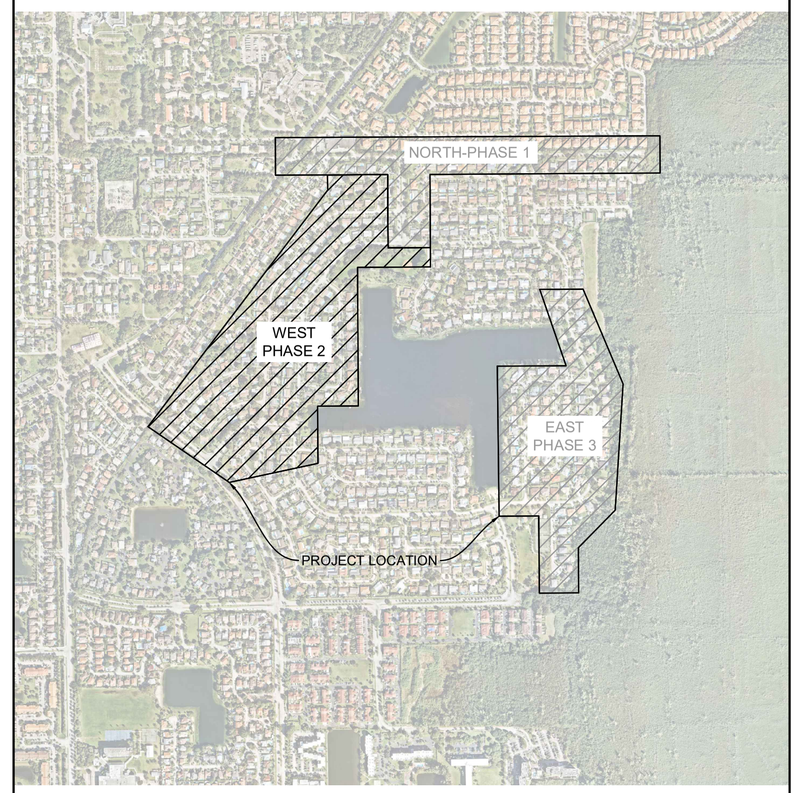
TIM MEERBOTT	MAYOR
MICHAEL P. CALLAHAN	VICE MAYOR
ROBERT DUNCAN	COUNCIL MEMBER
SUZY LORD	COUNCIL MEMBER
RICHARD RAMIREZ	COUNCIL MEMBER

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

Sheet List Table		Sheet List Table	
Sheet Number	Sheet Title	Sheet Number	Sheet Title
C002.0	Cover Sheet	C302.14	Paving Grading and Drainage Plan
C002.1	General Notes	C302.15	Paving Grading and Drainage Plan
C002.2	General Notes	C302.16	Paving Grading and Drainage Plan
C102.0	Key Map	C302.17	Paving Grading and Drainage Plan
C202.1	Demolition and Erosion Control Plan	C302.18	Paving Grading and Drainage Plan
C202.2	Demolition and Erosion Control Plan	C302.19	Paving Grading and Drainage Plan
C202.3	Demolition and Erosion Control Plan	C302.20	Paving Grading and Drainage Plan
C202.4	Demolition and Erosion Control Plan	C302.21	Paving Grading and Drainage Plan
C202.5	Demolition and Erosion Control Plan	C302.22	Paving Grading and Drainage Plan
C202.6	Demolition and Erosion Control Plan	C302.23	Paving Grading and Drainage Plan
C202.7	Demolition and Erosion Control Plan	C302.24	Paving Grading and Drainage Plan
C202.8	Demolition and Erosion Control Plan	C302.25	Paving Grading and Drainage Plan
C202.9	Demolition and Erosion Control Plan	C302.26	Paving Grading and Drainage Plan
C202.10	Demolition and Erosion Control Plan	C302.27	Paving Grading and Drainage Plan
C202.11	Demolition and Erosion Control Plan	C302.28	Paving Grading and Drainage Plan
C202.12	Demolition and Erosion Control Plan	C302.29	Paving Grading and Drainage Plan
C202.13	Demolition and Erosion Control Plan	C302.30	Paving Grading and Drainage Details
C202.14	Demolition and Erosion Control Plan	C302.31	Paving Grading and Drainage Details
C202.15	Demolition and Erosion Control Plan	C302.32	Paving Grading and Drainage Details
C202.16	Demolition and Erosion Control Notes	C402.1	Signing and Pavement Marking Plan
C202.17	Demolition and Erosion Control Details	C402.2	Signing and Pavement Marking Plan
C302.1	Paving Grading and Drainage Plan	C402.3	Signing and Pavement Marking Plan
C302.2	Paving Grading and Drainage Plan	C402.4	Signing and Pavement Marking Plan
C302.3	Paving Grading and Drainage Plan	C402.5	Signing and Pavement Marking Plan
C302.4	Paving Grading and Drainage Plan	C402.6	Signing and Pavement Marking Plan
C302.5	Paving Grading and Drainage Plan	C402.7	Signing and Pavement Marking Plan
C302.6	Paving Grading and Drainage Plan	C402.8	Signing and Pavement Marking Plan
C302.7	Paving Grading and Drainage Plan	C402.9	Signing and Pavement Marking Plan
C302.8	Paving Grading and Drainage Plan	C402.10	Signing and Pavement Marking Plan
C302.9	Paving Grading and Drainage Plan	C402.11	Signing and Pavement Marking Plan
C302.10	Paving Grading and Drainage Plan	C402.12	Signing and Pavement Marking Plan
C302.11	Paving Grading and Drainage Plan	C402.13	Signing and Pavement Marking Plan
C302.12	Paving Grading and Drainage Plan	C402.14	Signing and Pavement Marking Plan
C302.13	Paving Grading and Drainage Plan	C402.15	Signing and Pavement Marking Plan

THE PUBLIC ROADWAY(S) INDICATED IN THESE PLANS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE "MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS & HIGHWAYS – STATE OF FLORIDA."

ATTENTION, THESE PLANS MAY HAVE REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE TAKEN INTO ACCOUNT WHEN OBTAINING SCALED DATA.



NORTH

PROJECT LOCATION

PROJECT
SAGA BAY DRAINAGE IMPROVEMENTS

PROJECT NUMBER
043145105

PROJECT LOCATION
CUTLER BAY, FLORIDA

PREPARED FOR:
Cutler Bay FLORIDA INCORPORATED 2005

PREPARED BY:
Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

No.	REVISIONS	DATE	BY

DATE: MAY 2025

BID PLANS

Plotted By:Bezzner, Eliana Sheet Set:SAGA BAY DRAINAGE IMPROVEMENTS Layout:C002.0 Cover Sheet August 05, 2025 12:13:09pm K:\fll_civil\043 Jobs\043145105 saga bay drainage improvements\CAD\plansheets\C000.0 Cover Sheet.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

GENERAL NOTES

I. APPLICABLE CODES

A. GENERAL

1. ALL WORK FOR THIS PROJECT SHALL BE COMPLETED WITHIN AND FROM EXISTING RIGHT OF WAY.
2. COUNTY IN THESE NOTES REFERS TO THE MIAMI-DADE COUNTY. CITY OR TOWN IN THESE NOTES REFERS TO THE TOWN OF CUTLER BAY. STATE IN THESE NOTES REFERS TO THE STATE OF FLORIDA.
3. THE FDOT INDICES REFERRED TO IN THE DRAWINGS AND NOTES REFERS TO FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION AND FDOT DESIGN STANDARDS LATEST EDITION.
4. ALL WORK AND MATERIALS SHALL CONFORM TO THE LATEST STANDARDS, CODES, REGULATIONS AND SPECIFICATIONS OF THE TOWN, COUNTY, STATE, AND FEDERAL CODES WHERE APPLICABLE.
5. THE CONTRACTOR SHALL BE REQUIRED TO COMPLY WITH FEDERAL, STATE, COUNTY, AND CITY LAWS, CODES, ORDINANCES AND REGULATIONS.
6. IN THE EVENT OF A CONFLICT BETWEEN THE GENERAL NOTES AND CONSTRUCTION SPECIFICATIONS IN THESE PLANS AND THE CONTRACT DOCUMENTS AND SPECIFICATIONS IN THE SPECIFICATIONS BOOKLET THE CONTRACTOR SHALL SUBMIT WRITTEN REQUEST FOR CLARIFICATION TO THE ENGINEER.
7. ALL HANDICAP ACCESSIBLE ACCESS TO CONFORM WITH THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT AND LOCAL, STATE, AND FEDERAL CODES, LATEST EDITIONS.
8. THE CONTRACTOR IS REQUIRED TO OBTAIN ALL APPLICABLE CONSTRUCTION PERMITS PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR SHALL APPLY FOR AND PROCURE ALL PERMITS AND LICENSES, PAY ALL APPLICABLE CHARGES, TAXES, ROYALTIES & FEES, AND GIVE ALL NOTICES NECESSARY TO COMPLETE THIS PROJECT.
9. RADII DIMENSIONS AND ELEVATIONS ARE TO BE EDGE OF PAVEMENT AND FINISH GRADE UNLESS NOTED OTHERWISE.
10. IF ABANDONED GAS, WATER, AND SEWER SERVICE LATERALS ARE ENCOUNTERED DURING EXCAVATION, THE SECTION IN THE EXCAVATED ENVELOPE WILL BE REMOVED AND THE STUB ON THE SIDE CONNECTED TO THE MAIN WILL BE CAPPED, PLUGGED OR OTHERWISE SEALED.
11. CONTRACTOR TO MAINTAIN ACCESS TO BUSINESS AND RESIDENTIAL LOCATIONS BY NORMAL MEANS AND METHODS, I.E. TEMPORARY STEEL PLATES, LIMEROCK, ETC. ALL ASSOCIATED COST TO BE INCLUDED IN M.O.T. PAY ITEM.
12. ITEMS IN CONFLICT WITH DESIGN SUCH AS EXISTING CURBS AND GUTTERS, SIDEWALKS, DRAINAGE STRUCTURES PAVEMENT AND BASE AND EXCESS EXCAVATIONS ARE TO BE REMOVED BY CONTRACTOR AND DISPOSED OF IN A LEGAL AND PROPER MANNER AWAY FROM THE JOB SITE AT THE CONTRACTOR'S EXPENSE UNLESS THE ITEMS ARE TO BE REUSED ON THE PROJECT
13. EXCESS MATERIAL REMOVED BY THE CONTRACTOR WILL BE DISPOSED OF IN AREAS PROVIDED BY THE CONTRACTOR.
14. THE INFORMATION PROVIDED IN THESE PLANS IS TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF THE CONDITIONS WHICH MAY BE ENCOUNTERED DURING THE COURSE OF THE WORK. ALL CONTRACTORS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT ANY INVESTIGATIONS THEY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSIONS REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED AND UPON WHICH THEIR BIDS WILL BE BASED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INVESTIGATE SITE CONDITIONS OF THE PROJECT AND FULLY SATISFY THEMSELVES OF BOTH THE SURFACE AND SUBSURFACE CONDITIONS AND BASE THEIR PRICING ACCORDINGLY. GEOTECHNICAL REPORT IS INCLUDED IN THE CONTRACT DOCUMENTS.
15. CONTRACTOR SHALL PRESERVE ALL STREET SIGNS, BENCHES, TRAFFIC CONTROL SIGNS, LANDSCAPING, ETC. WHEN DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL REINSTALL OR DELIVER SAID PUBLIC PROPERTY TO THE CITY.
16. THE CONTRACTOR SHALL TAKE SPECIAL NOTE OF ANY SPECIAL EQUIPMENT SHORING, SHEETING OR OTHER PROCEDURES NECESSARY TO PROTECT ADJACENT PROPERTY, EITHER PUBLIC OR PRIVATE, DURING EXCAVATION OF SUBSOIL MATERIAL OR DURING THE FILLING OF ANY AREA, OR FOR ANY AREA, OR FOR ANY OPERATION DURING CONSTRUCTION SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
17. APPARENT ERRORS, DISCREPANCIES, OR OMISSIONS ON THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD IMMEDIATELY.
18. THE AMOUNT OF EACH OF THE MATERIALS PROVIDED IS THE ESTIMATED AMOUNT REQUIRED TO COMPLETE THE JOB. THESE QUANTITIES ARE ESTIMATED ONLY AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLETE THE JOB IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. SHOULD ADDITIONAL MATERIALS BE REQUIRED THEY WILL BE PAID FOR AT THE CONTRACT UNIT PRICES AS DESCRIBED IN THE BID DOCUMENTS.
19. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES THAT REMAIN IN PLACE.
20. ALL ROAD CROSSINGS ARE OPEN CUT UNLESS OTHERWISE NOTED ON THE DRAWINGS.
21. THE CONTRACTOR SHALL REPLACE ALL PAVING, STABILIZING EARTH, DRIVEWAYS, SIDEWALKS, ETC. WITH THE SAME TYPE OF MATERIAL THAT WAS REMOVED DURING CONSTRUCTION OF AS DIRECTED BY THE ENGINEER.
22. THE CONTRACTOR SHALL NOT ENCROACH INTO PRIVATE PROPERTY WITH PERSONNEL, MATERIAL OR EQUIPMENT WITHOUT OBTAINING WRITTEN PERMISSION FROM THE OWNER.
23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE, REMOVAL OR MODIFICATION ACCIDENTALLY OR PURPOSELY, CAUSED TO ANY IRRIGATION SYSTEMS, PRIVATE OR PUBLIC WITHIN THE PROJECT LIMITS. THE COSTS TO REPLACE, REMOVE OR MODIFY IRRIGATION PIPES, SPRINKLER HEADS OR OTHER PERTINENT APPURTENANCES SHALL BE CONSIDERED INCIDENTAL TO AND SHALL BE INCLUDED IN THE OTHER ITEMS OF RELATED WORK. ALL COSTS DUE TO DAMAGE SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
24. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE INTEGRITY OF AND MAKING THE REPAIRS OF EXISTING PAVEMENT, PIPES, CONDUITS, CURBS, CABLES, TREES, SOD, LANDSCAPE ITEMS, ETC. WHETHER OR NOT SHOWN ON THE PLANS DAMAGED AS A RESULT OF THE CONTRACTORS OPERATIONS AND/OR THOSE OF THEIR SUBCONTRACTORS. CONTRACTOR SHALL REPORT ANY DAMAGE TO SIDEWALK, DRIVEWAY, ETC., PRIOR TO BEGINNING WORK IN ANY AREA.
25. CONTRACTOR IS RESPONSIBLE TO REMOVE AND REINSTALL ALL BRICK OR PAVER DRIVEWAYS IMPACTED BY CONSTRUCTION, REPAIR OR REPLACE ALL ASPHALT, CONCRETE, OR STAMPED CONCRETE DRIVEWAYS IMPACTED BY CONSTRUCTION. ALL COSTS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED AS PART OF THE OVERALL BID.
26. THE CONTRACTOR SHALL RESTORE OR REPLACE, WHEN AND AS DIRECTED BY THE ENGINEER, ANY PUBLIC OR PRIVATE PROPERTY DAMAGED BY HIS/HER WORK, EQUIPMENT, EMPLOYEES OR THOSE OF HIS SUBCONTRACTORS TO A CONDITION AT LEAST EQUAL (DETERMINED BY THE ENGINEER OF RECORD) TO THAT EXISTING IMMEDIATELY PRIOR TO THE BEGINNING OF OPERATIONS.
27. CONTRACTOR SHALL ADJUST ALL EXISTING SURFACE FEATURES SUCH AS EXISTING FRAMES, GRATES, MANHOLE COVERS, UTILITY VALVE BOXES, MONITORING WELLS, ECT. TO MATCH PROPOSED GRADES.
28. ALL INSTALLATIONS WITHIN MIAMI-DADE COUNTY JURISDICTION RIGHTS OF WAY SHALL BE IN CONFORMITY WITH THE MIAMI-DADE COUNTY HIGHWAY CONSTRUCTION & ENGINEERING DIVISION "MINIMUM STANDARDS."
29. THE TOWN OF MIAMI LAKES SHALL RECEIVE A COPY OF ALL REQUIRED DENSITY REPORTS, AS-BUILTS, AND SHOP DRAWINGS OF THE PROJECT.

B. CONSTRUCTION SAFETY

1. ALL CONSTRUCTION SHALL BE DONE IN A SAFE MANNER SPECIFICALLY, THE RULES AND REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) SHALL BE STRICTLY OBSERVED.

C. TRENCH SAFETY ACT

1. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH THE STATE OF FLORIDA TRENCH SAFETY ACT.
2. WHERE EXCAVATIONS TO A DEPTH IN EXCESS OF FIVE FEET (5') ARE REQUIRED, THE CONTRACTOR SHALL INCLUDE THE FOLLOWING INFORMATION IN THE BID:
   - 2.1. A REFERENCE TO THE TRENCH SAFETY STANDARDS THAT WILL BE IN EFFECT DURING THE PERIOD OF CONSTRUCTION OF THE PROJECT.
   - 2.2. WRITTEN ASSURANCES BY THE CONTRACTOR PERFORMING THE TRENCH EXCAVATION THAT SUCH CONTRACTOR WILL COMPLY WITH THE APPLICABLE TRENCH SAFETY STANDARDS.
   - 2.3. A SEPARATE ITEM IDENTIFYING THE COST OF COMPLIANCE WITH THE APPLICABLE TRENCH SAFETY STANDARDS. WHEN A BID IS NOT SUBMITTED, THE CONTRACTOR SHALL SUBMIT THE INFORMATION LISTED IN ITEM 2 TO THE ENGINEER PRIOR TO STARTING WORK.

D. SURVEY DATA

1. ALL ELEVATIONS ON THE PLANS OR REFERENCED IN THE SPECIFICATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM (NGVD) OF 1929.
2. ALL EXISTING CONTROL POINTS AND/OR REFERENCE MARKERS SHALL BE RAISED TO FINAL GRADE. THESE POINTS AND REFERENCE MARKERS SHALL BE LOCATED AND NOTED ON THE AS-BUILTS.
3. THE LOCATION OF EXISTING RIGHT-OF-WAY LINES, CENTERLINES, ROADWAY PAVEMENT, UTILITIES, TREES AND OTHER PHYSICAL ABOVE-GROUND FEATURES SHOWN ON THE PLANS WERE TAKEN FROM THE SPECIFIC PURPOSE SURVEYS PREPARED BY:
   STONER
   4341 SW 62ND AVENUE
   DAVIE, FLORIDA 33314
   PHONE: 954-585-0997
   CONTACT: WALTER DE LA ROCHA, PSM
4. ALL STATIONS AND OFFSETS ARE REFERENCED TO BASELINE OF SURVEY/CONSTRUCTION BASELINE.
5. EXISTING SECTION CORNERS AND 1/4 SECTION CORNERS, AND OTHER LAND MARKERS OR MONUMENTS LOCATED WITHIN PROPOSED CONSTRUCTION ARE TO BE REFERENCED BY THE CONTRACTOR PRIOR TO CONSTRUCTION AND REPLACED IF DISTURBED BY THE CONTRACTOR'S SURVEY OR UNDER THE DIRECTION OF A REGISTERED LAND SURVEYOR LICENSED IN THE STATE OF FLORIDA.
6. ANY NGVD – 1929 MONUMENT WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF IN DANGER OF DAMAGE, NOTIFY:
   GEODETIC INFORMATION CENTER
   ATTN: MARK MAINTANENCE SECTION N/CG-162
   6001 EXECUTIVE BLVD.
   ROCKVILLE, MARYLAND 20852
   PHONE: 301-443-8319

II. PRECONSTRUCTION RESPONSIBILITIES

A. GENERAL

1. UPON RECEIPT OF THE "NOTICE TO PROCEED", THE CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD AND ARRANGE A PRE-CONSTRUCTION CONFERENCE TO INCLUDE ALL THE INVOLVED GOVERNMENTAL AGENCIES, UTILITY OWNERS, AND THE ENGINEER OF RECORD, AND HOLD THE MANDATORY PRE-CONSTRUCTION CONFERENCE AFTER ISSUANCE OF THE CONTRACT'S "NOTICE TO PROCEED" BUT BEFORE THE ACTUAL CONSTRUCTION DATE. CONTRACTOR MAY NOT BEGIN WORK BEFORE ACTUAL CONSTRUCTION DATE.
2. THE CONTRACTOR SHALL OBTAIN A SUNSHINE CERTIFICATION NUMBER AT LEAST 48 HOURS PRIOR TO BEGINNING ANY EXCAVATION.
3. PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL VERIFY THE SIZE, LOCATION ELEVATION, AND MATERIAL OF ALL EXISTING UTILITIES WITHIN THE AREA OF CONSTRUCTION.
4. EXISTING UTILITY LOCATION SHOWN ON THESE PLANS ARE APPROXIMATE. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF EXISTING UTILITIES SHOWN OR FOR ANY EXISTING UTILITIES NOT SHOWN.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ANY EXISTING UTILITIES FOR WHICH IT FAILS TO REQUEST LOCATIONS FROM THE UTILITY OWNER. THE CONTRACTOR IS RESPONSIBLE AS WELL FOR DAMAGE TO ANY EXISTING UTILITIES WHICH ARE PROPERLY LOCATED. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING IRRIGATION AT NO COST TO THE TOWN OF MIAMI LAKES.
6. IF UPON EXCAVATION, AN EXISTING UTILITY IS FOUND TO BE IN CONFLICT WITH THE PROPOSED CONSTRUCTION OR TO BE OF A SIZE OR MATERIAL DIFFERENT FROM THAT SHOWN ON THE PLANS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER.
7. EXISTING UTILITIES SHALL BE MAINTAINED IN SERVICE DURING CONSTRUCTION UNLESS OTHERWISE APPROVED BY THE UTILITY OWNER.
8. THE CONTRACTOR SHALL COORDINATE WITH UTILITIES TO ARRANGE RELOCATION AND TEMPORARY SUPPORT OF UTILITY FEATURE ETC. AS NECESSARY TO COMPLETE THE WORK.
9. THE UTILITY COMPANIES SHALL BE NOTIFIED BY THE CONTRACTOR TWO (2) BUSINESS DAYS IN ADVANCE OF ANY EXCAVATION INVOLVING THEIR UTILITIES SO THAT A COMPANY REPRESENTATIVE CAN BE PRESENT.
10. THE CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD TRANSMISSION LINES OR UNDERGROUND UTILITIES.
11. SHOULD DEWATERING BE NEEDED, CONTRACTOR TO INCLUDE IN BID. ALL APPLICABLE DEWATERING APPROVALS ARE TO BE OBTAINED.
    CONTRACTOR TO INCLUDE FABRICATION, INSTALLATION, MAINTENANCE AND REMOVAL OF TWO (2) PROJECT SIGNS. SIGN LETTERING AND PLACEMENT TO BE REVIEWED BY TOWN PRIOR TO PLACEMENT.
12. STAGING AND STORAGE TO BE COORDINATED WITH TOWN PRIOR TO COMMENCEMENT OF CONSTRUCTION.

III. INSPECTIONS

A. GENERAL

1. THE CONTRACTOR SHALL GIVE THE ENGINEER OF RECORD A MINIMUM OF TWO (2) BUSINESS DAYS ADVANCE NOTICE PRIOR TO BACKFILLING OR COMPLETING THE INSPECTION OF THE FOLLOWING ITEMS SO THE ENGINEER OF RECORD CAN PERFORM FIELD OBSERVATIONS OF THE FOLLOWING ITEMS:
   - 1.1. STORM DRAINAGE
   - 1.2. SUBGRADE; SUBMIT AND HAVE APPROVED DENSITIES PRIOR TO PLACEMENT OF ROCK
   - 1.3. LIMEROCK BASE; SUBMIT AND HAVE APPROVED DENSITIES AND AS-BUILTS PRIOR TO THE PLACEMENT OF ANY ASPHALT.
   - 1.4. ASPHALTIC CONCRETE
   - 1.5. FINAL
2. ALL INSPECTIONS WILL BE MADE BY THE TOWN OF MIAMI LAKES (PLUMBING AND ELECTRICAL). THE ENGINEER OF RECORD WILL PROVIDE CONSTRUCTION OBSERVATION SERVICE.
3. IF THE CONTRACTOR FAILS TO NOTIFY THE ENGINEER OF RECORD PRIOR TO COMPLETING THE ABOVE, THE ENGINEER RESERVES THE RIGHT NOT TO ISSUE ANY CERTIFICATIONS OR FINAL INSPECTIONS.

IV. SHOP DRAWINGS

A. GENERAL

1. PRIOR TO THEIR CONSTRUCTION OR INSTALLATION, SHOP DRAWINGS SHALL BE SUBMITTED TO AND REVIEWED BY THE ENGINEER OF RECORD FOR SANITARY MANHOLES, CATCH BASINS, FIRE HYDRANTS, VALVES AND OTHER ACCESSORIES. CATALOGUE LITERATURE SHALL BE SUBMITTED FOR WATER AND SEWER PIPES, FITTINGS, AND APPURTENANCES. PRIOR TO SUBMITTING SHOP DRAWINGS TO THE ENGINEER, THE CONTRACTOR SHALL REVIEW AND APPROVE THE DRAWINGS, AND SHALL NOTE IN RED ANY DEVIATIONS FROM THE ENGINEER'S PLANS OR SPECIFICATIONS. INDIVIDUAL SHOP DRAWINGS FOR ALL PRECAST STRUCTURES ARE REQUIRED. CATALOGUE LITERATURE WILL NOT BE ACCEPTABLE FOR PRECAST STRUCTURES.

V. TEMPORARY FACILITIES

A. TEMPORARY UTILITIES

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE OR SUPPLY TEMPORARY WATER SERVICE, SANITARY FACILITIES, AND ELECTRICITY TO ITS EMPLOYEES AND SUBCONTRACTORS FOR THEIR USE DURING CONSTRUCTION.

B. TRAFFIC REGULATION

1. MAINTENANCE OF TRAFFIC IN THE PUBLIC RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE MUTCD. A MAINTENANCE OF TRAFFIC PLAN MUST BE APPROVED BY THE GOVERNMENTAL ENGINEERING DIVISION HAVING JURISDICTION FOR THE SECTION OF ROADWAY BEFORE STARTING WORK IN THE PUBLIC RIGHT-OF-WAY.
2. ALL OPEN TRENCHES AND HOLES ADJACENT TO ROADWAYS OR WALKWAYS SHALL BE PROPERLY MARKED AND BARRICADED TO ASSURE THE SAFETY OF BOTH VEHICULAR AND PEDESTRIAN TRAFFIC.
3. NO TRENCHES OR HOLES NEAR WALKWAYS OR IN ROADWAYS OR THEIR SHOULDERS ARE TO BE LEFT OPEN DURING NIGHTTIME HOURS WITHOUT EXPRESS PERMISSION OF THE TOWN.

C. TEMPORARY FACILITIES

1. THE CONTRACTORS ON-SITE EQUIPMENT, STOCK PILED MATERIAL, AND SUPPLIES SHALL BE KEPT IN A SECURE, FENCED AND LOCKED LOCATION WHEN CONTRACTOR IS NOT SUPERVISING THE STAGING OR LAY DOWN AREA.
2. STAGING AND MATERIAL STORAGE SHALL NOT BE CONDUCTED ON ABUTTING PRIVATE PROPERTY OR PUBLIC RIGHT-OF-WAY WITHOUT APPROVAL FROM THE TOWN OF MIAMI LAKES.
3. CONTRACTOR SHALL CONSTRUCT AND MAINTAIN TEMPORARY STREET LIGHTING AS REQUIRED TO LIGHT THE CONSTRUCTION PROJECT LIMITS AT ALL TIMES TO AT LEAST THE SAME LIGHTING INTENSITY LEVELS AS WAS EXISTING PRIOR TO THE START OF CONSTRUCTION. ALL COSTS ASSOCIATED WITH THE CONSTRUCTION AND MAINTAINING LIGHTING TO BE INCLUDED IN M.O.T. PAY ITEM.
4. THE CONTRACTOR SHALL COORDINATE SELECTION AND REVIEW OF ANY PROPOSED STAGING AREAS ASSOCIATED WITH THIS PROJECT WITH THE TOWN OF MIAMI LAKES.

VI. EARTHWORK

A. GENERAL

1. NONE OF THE EXISTING MATERIAL IS TO BE INCORPORATED IN THE LIMEROCK BASE.
2. ALL SUB-GRADE UNDER PAVED AREAS SHALL BE 12" THICK AND HAVE A MINIMUM LBR VALUE OF 40. AND SHALL BE COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180.
3. ALL FILL MATERIAL IN AREAS NOT TO BE PAVED SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY AS DETERMINED BY ASSHTO T-180.
4. A 2" BLANKET OF TOP SOIL SHALL BE PLACED OVER ALL AREAS TO BE SODDED.
5. SOD SHALL BE ST. AUGUSTINE, BITTER BLUE OR FLORATAM AND SHALL BE PLACED ON THE GRADED TOP SOIL AND WATERED TO INSURE SATISFACTORY CONDITION UPON FINAL ACCEPTANCE OF THE PROJECT.
6. WHEN WORKING IN AND AROUND EXISTING DRAINAGE CANALS OR LAKES, APPROPRIATE SILT BARRIERS SHALL BE INSTALLED.
7. ALL ORGANIC AND OTHER UNSUITABLE MATERIAL UNDER THOSE AREAS TO BE PAVED SHALL BE REMOVED TO A DEPTH OF THREE(3) FEET BELOW FINISHED GRADE AND FOR THREE(3) FEET BEYOND THE PERIMETER OF THE PAVING.
8. SUITABLE BACKFILL SHALL BE MINIMUM LBR 40 MATERIAL COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY ASSHTO T-180 THREE (3) FEET BEYOND THE PERIMETER OF PAVING.
9. CONTRACTOR SHALL TIE TO EXISTING GRADE BY EVENLY SLOPING FROM CLOSEST PROPOSED GRADE PROVIDED TO EXISTING GRADE AT LIMITS OF WORK UNLESS OTHERWISE NOTED ON PLANS. IF NO LIMIT OF WORK IS INDICATED, SLOPE TO THE ADJACENT PROPERTY LINE OR RIGHT-OF-WAY LINE AS APPLICABLE.
10. SITE GRADING ELEVATIONS SHALL BE WITHIN 0.1 OF THE REQUIRED ELEVATION AS SHOWN ON THE PLANS AND ALL AREAS SHALL BE GRADED TO DRAIN WITHOUT PONDING.
11. GROUND ADJACENT TO ROADWAY/PAVEMENT WHERE STORMWATER RUNOFF FLOWS FROM PAVEMENT TO GROUND SHALL BE GRADED TWO (2) INCHES LOWER THAN THE EDGE OF PAVEMENT TO ALLOW FOR THE PLACEMENT OF SOD.
12. WHEN ENCOUNTERED WITHIN PROPOSED DRAINAGE SWALES, HARDPAN SHALL BE REMOVED FOR A WIDTH OF FIVE (5) FEET AT THE INVERT AND REPLACED WITH GRANULAR MATERIALS.
13. ALL AREAS TO BE CONSTRUCTED UPON WITH STRUCTURES, PAVEMENT, DRAINAGE, WATER, SEWER, CURBING, SIDEWALK, FENCING, ETC., SHALL BE CLEARED AND GRUBBED PRIOR TO CONSTRUCTION. THIS SHALL CONSIST OF THE COMPLETE REMOVAL OF AND DISPOSAL OF ALL TREES, BRUSH, STUMPS, ROOTS, GRASS, WEEDS, RUBBISH, AND ALL OTHER OBSTRUCTIONS RESTING ON OR PROTRUDING THROUGH THE SURFACE OF THE EXISTING GROUND TO A DEPTH OF 6 INCHES. ITEMS DESIGNATED TO OPERATION. ALL WORK SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS.
14. ALL PROPOSED GRADES SHOWN IN PLAN ARE FINISHED GRADES.

VII. PAVING

A. GENERAL

1. ALL UNDERGROUND UTILITIES SHALL BE COMPLETED PRIOR TO THE CONSTRUCTION OF THE LIMEROCK BASE AND PRIOR TO THE PLACEMENT OF THE PAVEMENT. ALL REPAIRS TO EXISTING PAVEMENT SHALL RECEIVE SAW-CUT EDGES PRIOR TO RELAYING ASPHALT. ALL EXISTING PAVEMENT, LIMEROCK AND SUB-GRADE THAT IS AFFECTED AND NOT PART OF THE CONSTRUCTION PROJECT SHALL BE PROPERLY RESTORED AT THE CONTRACTOR'S EXPENSE.

B. MATERIALS

1. LIMEROCK BASE MATERIAL SHALL HAVE A MINIMUM OF 70% CARBONATES (CALCIUM AND MAGNESIUM) WITH A MINIMUM LBR OF 100.
2. PRIME COAT SHALL BE APPLIED AT THE RATE OF 0.25 GAL/YD SQ. AND TACK COAT SHALL MEET FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARDS.
3. SURFACE COURSE SHALL BE EQUAL TO FDOT TYPE SP 9.5 & FC 9.5 ASPHALTIC CONCRETE.

C. INSTALLATION

1. LIMEROCK BASE MATERIAL SHALL BE 12" THICK AND COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180.
2. LIMEROCK BASE MATERIAL SHALL BE PLACED IN MAXIMUM 8" LIFTS. BASES GREATER THAN 8" OF LIMEROCK SHALL BE PLACED IN TWO OR MORE EQUAL LIFTS. LIMEROCK BASE SHALL BE COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180.
3. ASPHALTIC CONCRETE SHALL BE 1" FDOT TYPE SP-9.5 (BOTTOM) AND 1"(MIN.) FC-9.5 TOP LIFT MATCHING EXISTING GRADED AT LIMIT OF SAWCUT.
4. PRIME COAT SHALL BE PLACED ON ALL LIMEROCK BASES IN ACCORDANCE WITH FDOT STANDARDS.
5. TACK COAT SHALL BE PLACED AS REQUIRED IN ACCORDANCE WITH FDOT STANDARDS.
6. CARBONATES CONTENT MINIMUM 70% AND LBR MINIMUM OF 100.
7. BASE COURSE CONSTRUCTION SHALL NOT BE STARTED UNTIL ALL UNDERGROUND CONSTRUCTION IN THE VICINITY HAS BEEN TESTED AND ACCEPTED.
8. WEARING COURSES SHALL NOT BE PLACED UNTIL:
   - 8.1. A WALK THROUGH HAS BEEN CONDUCTED TO DETERMINE IF THERE IS ANY REMAINING WORK THAT MIGHT CAUSE DAMAGE TO THE FINAL LIFT.
   - 8.2. ALL LANDSCAPING WORK THAT MIGHT CAUSE DAMAGE TO THE FINAL LIFT IS COMPLETE.
   - 8.3. ALL UNDERGROUND UTILITIES ARE INSTALLED AND ACCEPTED AND A FINISHED ROCK SURVEY HAS BEEN SUBMITTED TO AND ACCEPTED BY THE HIGHWAY CONSTRUCTION & ENGINEERING DIVISION.

D. TESTING

1. ALL SUB-GRADE, LIMEROCK AND ASPHALT TESTS REQUIRED SHALL BE TAKEN AT THE DIRECTION OF THE ENGINEER AND PER THE TOWN OF MIAMI LAKES REQUIREMENTS.
2. DENSITY TESTS SHALL BE CONDUCTED EVERY 100 FEET AND TWO FEET AWAY FROM ANY MANHOLE OR DRAINAGE STRUCTURE INSTALLED IN PAVED AREAS.

VIII SIGNING AND MARKING

1. ALL PAVEMENT MARKING AND SIGNING SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), MIAMI-DADE COUNTY TRAFFIC ENGINEERING DIVISION, FDOT, AND TOWN OF MIAMI LAKES STANDARDS.
2. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. CONTRACTOR SHALL PAINT MARKINGS THEN AFTER 14 DAY CURING PERIOD PLACE THERMOPLASTIC PAVEMENT MARKINGS.
3. ONE BI-DIRECTIONAL YELLOW REFLECTIVE PAVEMENT MARKER SHALL BE PROVIDED AT 40' INTERVALS ON EACH SIDE OF DOUBLE YELLOW STRIPES.
4. BI-DIRECTIONAL AMBER/AMBER REFLECTIVE PAVEMENT MARKERS SHALL BE PROVIDED AT 1' INTERVALS AT ALL BULLNOSES.
5. BI-DIRECTIONAL WHITE/RED REFLECTIVE PAVEMENT MARKERS SHALL BE PROVIDED AT 20' INTERVALS ALONG SOLID WHITE LINES (NOT ON EDGE OF PAVEMENT OR BIKE LANE LINES).
6. REFLECTIVE PAVEMENT MARKERS SHALL BE CLASS B MARKERS MANUFACTURED IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS 706 AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDED PROCEDURES.
7. ALL SIGNING SHALL BE FABRICATED USING TYPE XI SHEETING, AS PER MIAMI-DADE COUNTY TRAFFIC ENGINEERING DIVISION STANDARDS (CURRENT EDITION).
8. ALL PAVEMENT MARKINGS AND SIGNING DAMAGED DURING CONSTRUCTION. SHALL BE RESTORED TO MIAMI-DADE COUNTY TRAFFIC ENGINEERING DIVISION.
9. EXISTING MARKINGS SHALL BE REMOVED BY WATER BLASTING ONLY.
10. SEE SIGNING AND MARKING DETAILS FOR ADDITIONAL INFORMATION.
11. ALL EXISTING SIGNALIZATION EQUIPMENT TO REMAIN IS ASSUMED TO BE IN GOOD WORKING ORDER UNLESS CITY IS NOTIFIED IN WRITING PRIOR TO START OF CONSTRUCTION. ANY SUBSEQUENT DAMAGE TO THE SIGNAL EQUIPMENT SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.

IX PROJECT CLOSEOUT

A. CLEANING UP

1. DURING CONSTRUCTION, THE PROJECT SITE AND ALL ADJACENT AREAS SHALL BE MAINTAINED IN A NEAT AND CLEAN MANNER. UPON FINAL CLEAN UP, THE PROJECT SITE SHALL BE LEFT CLEAR OF ALL SURPLUS MATERIAL OR TRASH, THE PAVED AREAS SHALL BE SWEPT BROOM CLEAN.
2. THE CONTRACTOR SHALL RESTORE OR REPLACE, WHEN AND AS DIRECTED BY THE ENGINEER OR THOSE OF ITS SUBCONTRACTORS TO A CONDITION AT LEAST EQUAL OR BETTER TO THE EXISTING CONDITION IMMEDIATELY PRIOR TO THE BEGINNING OF OPERATIONS. TO THIS END, THE CONTRACTOR SHALL DO ALL NECESSARY HIGHWAY OR DRIVEWAY, WALK AND LANDSCAPING WORK, SUITABLE MATERIALS AND METHODS SHALL BE USED FOR SUCH RESTORATION.
3. WHERE MATERIAL OR DEBRIS HAS WASHED OR FLOWED INTO OR BEEN PLACED IN WATER COURSES, DITCHES, DRAINS, CATCH BASINS, OR ELSEWHERE AS A RESULT OF THE CONTRACTOR'S OPERATIONS, SUCH MATERIAL OR DEBRIS SHALL BE REMOVED AND SATISFACTORILY DISPOSED OF DURING PROGRESS OF THE WORK, AND THE AREA KEPT IN A CLEAN AND NEAT CONDITION.
4. UPON COMPLETION OF THE PROPOSED DRAINAGE WORK, THE CONTRACTOR SHALL CLEAN THE NEW SYSTEM, REMOVE ALL POLLUTION CONTROL DEVICES FROM THE NEW AND EXISTING SYSTEM, AND CLEAN THE EXISTING STRUCTURES AND DRAINAGE SYSTEM AT NO ADDITIONAL COST TO THE OWNER.
5. THE CONTRACTOR IS RESPONSIBLE FOR CLEANING OF ALL OF THE EXISTING DRAINAGE SYSTEM AFFECTED BY THE CONSTRUCTION WITHIN THE RIGHT-OF-WAY UPON COMPLETION OF THE PROJECT.

B. PROJECT RECORD DOCUMENTS

1. THE CONTRACTOR SHALL MAINTAIN ACCURATE AND COMPLETE RECORDS OF WORK ITEMS COMPLETED.
2. PRIOR TO THE PLACEMENT OF ANY ASPHALT OR CONCRETE PAVEMENT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER "AS-BUILT" PLANS (SIGNED AND SEALED BY A FLORIDA CERTIFIED PROFESSIONAL LAND SURVEYOR) SHOWING LIMEROCK BASE GRADES, ALL DRAINAGE AND WATER IMPROVEMENTS. PAVING OPERATIONS SHALL NOT COMMENCE UNTIL THE ENGINEER HAS REVIEWED THE "AS-BUILTS."
3. ALL REQUIRED DENSITY AND LBR TEST RESULTS FOR SUB-GRADE SHALL BE PROVIDED TO THE ENGINEER PRIOR TO PLACING BASE MATERIAL.
4. ALL REQUIRED DENSITY AND LBR TEST RESULTS FOR LIMEROCK SHALL BE PROVIDED TO THE ENGINEER PRIOR TO PLACING ASPHALT.
5. ALL "AS-BUILT" INFORMATION SUBMITTED TO THE ENGINEER SHALL BE SUFFICIENTLY ACCURATE, CLEAR AND LEGIBLE TO SATISFY THE ENGINEER THAT THE INFORMATION PROVIDES A TRUE REPRESENTATION OF THE IMPROVEMENTS CONSTRUCTED.
6. UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER OF RECORD COMPLETE SETS OF "AS-BUILT" CONSTRUCTION DRAWINGS (SIGNED AND SEALED BY A FLORIDA CERTIFIED PROFESSIONAL LAND SURVEYOR) AS REQUIRED FOR SUBMITTAL AND APPROVAL. THESE DRAWINGS SHALL BE MARKED TO SHOW "AS-BUILT" CONSTRUCTION CHANGES AND DIMENSIONED LOCATIONS AND ELEVATIONS OF ALL IMPROVEMENTS AND SHALL BE SIGNED AND SEALED BY A REGISTERED LAND SURVEYOR.
7. ALL "AS-BUILT" INFORMATION ON ELEVATIONS OF WATER, SEWER, PAVING, AND DRAINAGE SHALL BE CERTIFIED BY A REGISTERED LAND SURVEYOR.
8. AS-BUILT INFORMATION ON THE WATER SYSTEM SHALL INCLUDE LOCATIONS OF ALL VALVES, FITTINGS, FIRE HYDRANTS, WATER SERVICES AND TOP OF PIPE ELEVATIONS AT ALL FITTINGS AND AT A MINIMUM OF 100' SPACING.
9. THE COST OF SIGNED AND SEALED AS-BUILTS AND CADD FILES SHALL BE INCLUDED IN THE COST OF THE OVERALL BID.

KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: 8/5/2025

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

GENERAL NOTES

SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C002.1

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By:Beziner, Eliana Sheet Set:SAGA BAY DRAINAGE IMPROVEMENTS Layout:C002.1 General Notes August 05, 2025 12:13:14pm K:\ftl_civil\043 jobs\043145105 saga bay drainage improvements\CAD\plansheets\C100.2 GENERAL NOTES.dwg

GENERAL NOTES

X. MAINTENANCE OF TRAFFIC

1. TRAFFIC CONTROLS SHALL BE IN ACCORDANCE WITH THE PROJECT TRAFFIC PLANS, THE CURRENT EDITION OF THE FDOT STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION. THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AS MINIMUM CRITERIA.
2. THE CONTRACTOR SHALL IMMEDIATELY REPAIR ALL POTHOLES THAT DEVELOP WITHIN PROJECT LIMITS AND WILL MAINTAIN A SUPPLY OF COLD MIX ON THE PROJECT SITE TO EXPEDITE THOSE REPAIRS. ALL COSTS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED AS PART OF THE OVERALL BID.
3. REQUEST FOR PROPOSED LANE CLOSURES OR TEMPORARY DETOURS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL TO ROADWAY'S MAINTAINING AGENCY TO CLOSURE OR DETAIL.
4. ALL LANES NEEDS SHALL REMAIN OPEN DURING NON WORKING HOURS.
5. THE TRAFFIC AND TRAVEL WAYS SHALL NOT BE ALTERED BY THE CONTRACTOR TO CREATE A WORK ZONE UNTIL ALL LABOR AND MATERIAL ARE AVAILABLE FOR THE CONSTRUCTION IN THAT AREA.
6. THE CONTRACTOR SHALL REMOVE ANY EXISTING OR PROPOSED PAVEMENT MARKINGS THAT CONFLICT WITH THE TRAFFIC CONTROL. WHEN THE CONFLICT NO LONGER EXISTS THE CONTRACTOR SHALL RESTORE PAVEMENT MARKINGS TO THEIR ORIGINAL POSITION. REMOVAL OF EXISTING AND/OR TEMPORARY PAVEMENT MARKINGS SHALL BE ACCOMPLISHED BY FOLLOWING METHODS: BY MILLING AND ASPHALT OVERLAY, BY GRINDING AND ASPHALT OVERLAY, SAND OR WATER BLASTING, OR BY OTHER MEANS APPROVED BY THE ENGINEER. GRINDING (WITHOUT ASPHALT OVERLAY) SHALL ONLY BE PERMITTED IN NON-TRAFFIC AREAS AS DESIGNATED BY THE ENGINEER, ALL COSTS OF PAVEMENT MARKING REMOVAL, INCLUDING THE COST OF ASPHALT OVERLAY REQUIRED WHEN MILLING OR GRINDING IS USED IN TRAFFIC AREAS, SHALL BE INCLUDED. USE OF BLACK PAINT TO COVER EXISTING AND/OR TEMPORARY PAVEMENT MARKINGS IS PROHIBITED.
7. CONTRACTOR SHALL REMOVE OR COVER ANY EXISTING OR PROPOSED SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL. WHEN THE CONFLICT NO LONGER EXISTS, CONTRACTOR SHALL RESTORE THE SIGNS TO THEIR ORIGINAL POSITION, COST TO BE INCLUDED IN THE BID.
8. ALL EXISTING STREET NAMES AND STOP SIGNS AFFECTED BY CONSTRUCTION SHALL BE RELOCATED TO AND MAINTAINED IN A VISIBLE LOCATION FOR THE DURATION OF THE PROJECT. WHEN NO LONGER AFFECTED BY CONSTRUCTION THEY SHALL BE RESTORED TO THEIR FINAL POSITION. COST TO BE INCLUDED IN BID.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMMEDIATE REMOVAL OF STORMWATER FROM ROADWAYS UTILIZED FOR TRAFFIC MAINTENANCE IN A MANNER APPROVED BY THE ENGINEER. COST TO BE INCLUDED IN BID.
10. AT THE END OF EACH WORK PERIOD, ANY DROP-OFF IN THE AREA ADJACENT TO THE TRAVEL WAY SHALL BE BACKFILLED IN ACCORDANCE WITH STANDARD INDEX 102-600 OR SHALL BE OTHERWISE PROTECTED WITH TEMPORARY BARRIER AT THE CONTRACTOR'S EXPENSE.
11. CONTRACTOR SHALL NOTIFY MIAMI-DADE COUNTY TRAFFIC ENGINEERING DIVISION 48 HOURS PRIOR TO ANY MODIFICATION AND/OR CHANGES OF AN EXISTING TRAFFIC SIGNAL (E.G TAKING THE SIGNALS OFF-LINE, REMOVING OR REPLACING LOOP ASSEMBLIES OR REARRANGING TRAFFIC SIGNAL HEADS). THE CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR THE NORMAL MAINTENANCE OF THE EXISTING TRAFFIC SIGNAL(S) WITHIN THE PROJECT LIMITS. COST OF REARRANGING TRAFFIC SIGNAL HEADS AND MAINTAINING TRAFFIC SIGNALS TO BE INCLUDED IN THE BID.
12. CONTRACTOR TO MAINTAIN ACCESS TO RESIDENCES AND BUSINESSES ALONG THE PROJECT. CONTRACTOR IS TO SUBMIT A PROPOSED METHOD OF MAINTAINING ACCESS TO THESE PROPERTIES TO ENGINEER FOR REVIEW PRIOR TO INSTALLATION. ALL COSTS WITH MAINTAINING ACCESS TO BE INCLUDED IN THE BID.
13. M.O.T TRANSITIONS AND TEMPORARY INTERSECTION CROSSOVERS WHERE CONSTRUCTION HAS CAUSED GRADE DIFFERENCES BETWEEN THE EXISTING AND NEW ROADWAYS SHALL BE CONSTRUCTED USING 1:20 SLOPE TO ACCOMMODATE VEHICULAR TRAFFIC FROM ANY DIRECTION. WORK SHALL BE DONE WITH ASPHALTIC CONCRETE TYPE "S" AND SHALL INCLUDE ASPHALT SLOPE REMOVAL WHEN NO LONGER NEEDED. ALL COST WITH MAINTAINING CROSSOVER SLOPE GRADE AND REMOVAL TO BE INCLUDED IN THE BID.
14. CONTRACTOR SHALL MAINTAIN A CONTINUOUS PEDESTRIAN WAY ON ONE SIDE OF THE ROADWAY AT ALL TIMES. PEDESTRIAN WAY SHALL HAVE SMOOTH SURFACE AND BE GRADED ON CONFORMANCE WITH THE AMERICAN WITH DISABILITIES ACT (ADA) REQUIREMENTS. ALL COSTS TO BE INCLUDED IN THE BID.
15. AT THE END OF EACH WORK DAY OR WHENEVER THE WORK ZONE BECOMES INACTIVE, ANY DROP-OFF ADJACENT TO THE PEDESTRIAN, BICYCLE OR WHEELCHAIR TRAVEL PATHS SHALL BE BACKFILLED FLUSH THE TRAVEL PATH OR SHALL BE PROTECTED WITH BARRICADES, TEMPORARY BARRIER WALL, OR APPROVED HANDRAIL COST TO BE INCLUDED IN THE BID.
16. PEDESTRIAN, BICYCLE AND WHEELCHAIR TRAFFIC SHALL BE GUIDED AND MAINTAINED USING APPROVED WARNING LIGHTS, SIGNING AND CHANNELIZATION DEVICES. SUCH CONTROL DEVICES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH FDOT SPECIFICATIONS AND MUTCD SECTIONS ON WORK ZONE TRAFFIC CONTROL. COST TO BE INSTALLED IN THE BID.
17. IF THERE ARE UNEVEN PAVEMENT SURFACES DURING CONSTRUCTION, THE VERTICAL "DROP OFF" DIFFERENCE SHALL NOT BE MORE THAN 3 INCHES IN HEIGHT BETWEEN THE ADJACENT SURFACES.
18. CONTRACTOR SHALL MAINTAIN ACCESS TO RESIDENCES AND BUSINESSES FOR GARBAGE/SANITATION PICK-UP ALONG THE PROJECT. ALL COSTS WITH MAINTAINING ACCESS TO BE INCLUDED IN THE BID.
19. CONTRACTOR SHALL MAINTAIN CURRENT LEVELS OF ROADWAY LIGHTING WITHIN THE PROJECT LIMITS AT ALL TIMES THROUGHOUT THE DURATION OF THE PROJECT. ALL COSTS WITH MAINTAINING LIGHTING TO BE INCLUDED IN THE BID.

Plotted By:Rainier, Flinn Sheet Set:SAGA BAY DRAINAGE IMPROVEMENTS Layout:C002.2 General Notes August 05, 2025 12:13:15pm K:\MI_civil\043 jobs\043145105 saga bay drainage improvements\CAD\sheetset\C100.2 GENERAL NOTES.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

GENERAL NOTES

SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C002.2

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

Plotted By: Beziner, Eliana Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C102.0 Key Map August 05, 2025 12:13:32pm K:\ftl_civil\043 jobs\043145105 saga bay drainage improvements\CAD\plansheets\C101.0 Key Map.dwg

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

811 KNOW WHAT'S BELOW BEFORE YOU DIG
www.callsunshine.com

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

SHEET NUMBER C102.0

SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

KEY MAP

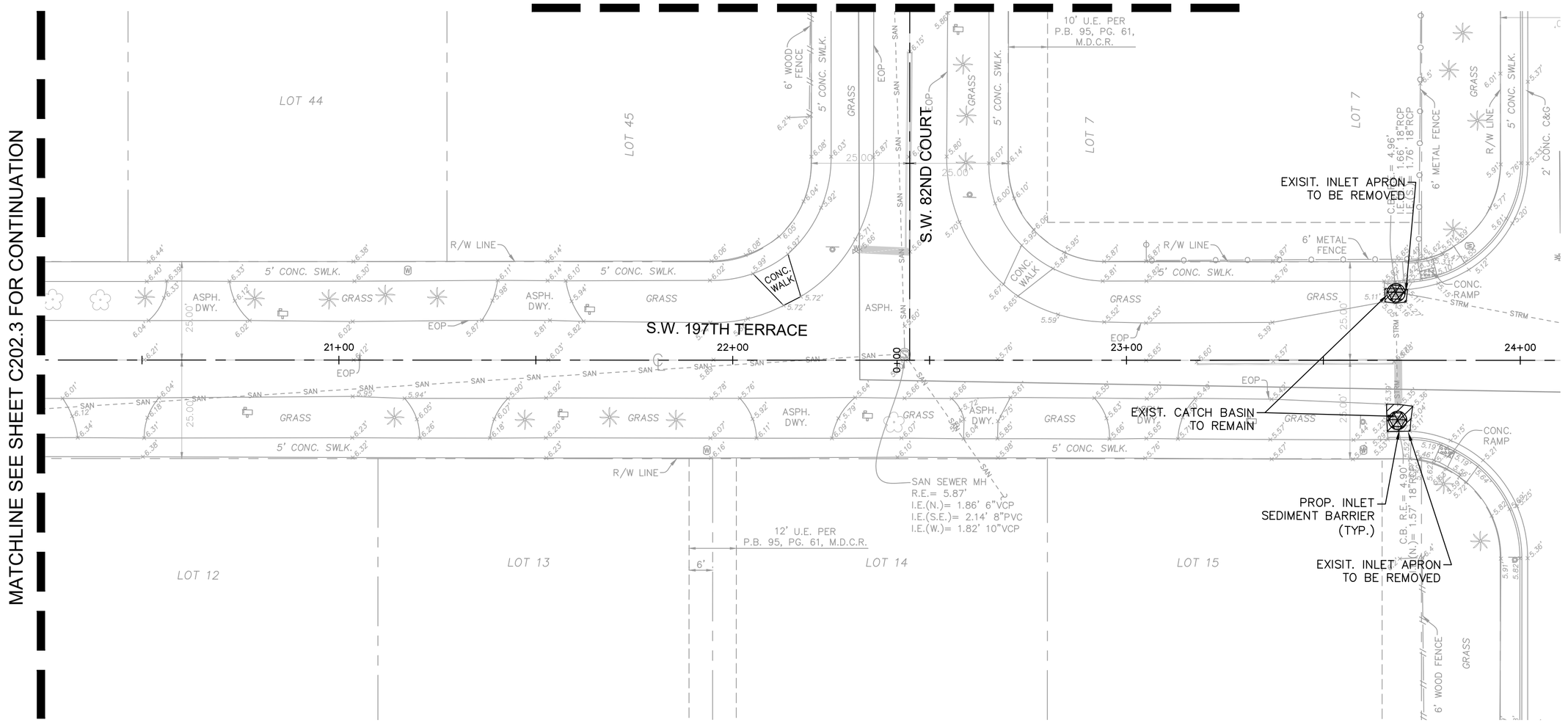
KHA PROJECT 043145105
DATE MAY 2025
SCALE AS SHOWN
DESIGNED BY TS
DRAWN BY DM
CHECKED BY SV

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: 5/7/2025

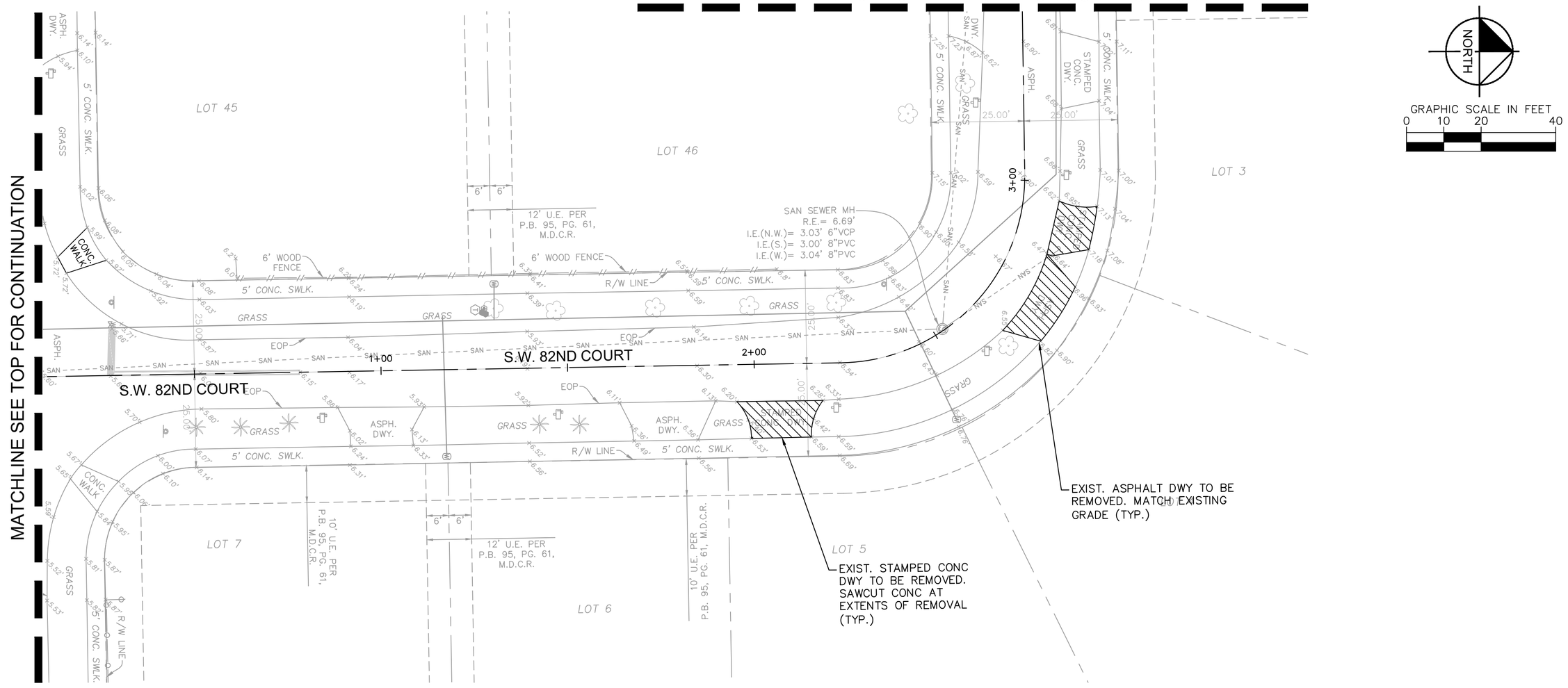
Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

No.	REVISIONS	DATE	BY

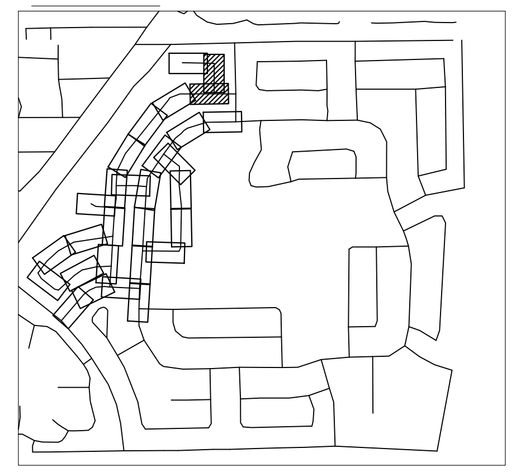
MATCHLINE SEE BOTTOM LEFT FOR CONTINUATION



MATCHLINE SEE SHEET C202.2 FOR CONTINUATION



KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- PROPOSED SILT FENCE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING LIGHTPOLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROPOSED INLET SEDIMENT BARRIER
- EXISTING TO BE REMOVED

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
3. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
4. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
5. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
6. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
7. ALL EXISTING SIGNS IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
8. ALL TREES ARE TO BE PROTECTED AT ALL TIMES DURING CONSTRUCTION

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER DATE: 8/5/2025

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

DEMOLITION AND EROSION CONTROL PLAN

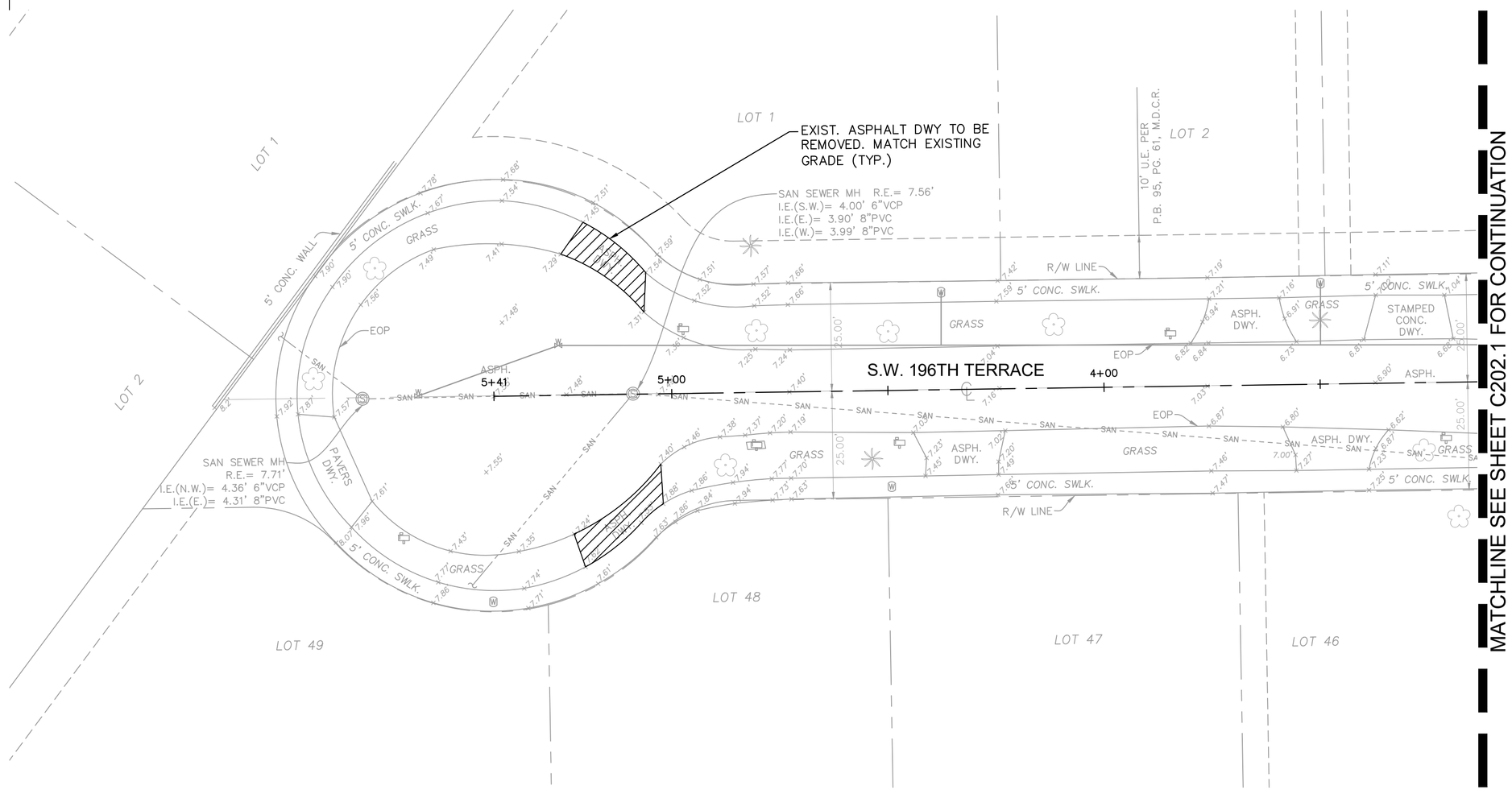
SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C202.1

811 KNOW WHAT'S BELOW. CALL OR CLICK BEFORE YOU DIG. It's fast. It's free. It's the law. www.callsunshine.com

Plotted By:Rapinder Filipos, Sheet Set:SAGA BAY DRAINAGE IMPROVEMENTS - I:\layout\C202.1 Demolition and Erosion Control Plan August 05, 2025 - 12:13:47pm - K:\Mi_obj\043145105 saga bay drainage improvements\CAD\sheetset\C202.1 Demolition and Erosion Control Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

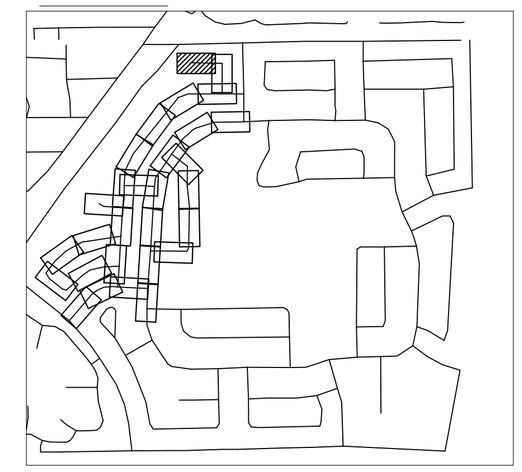
Town of Cutler Bay | ITB No. 25-04
Saga Bay Drainage Improvements
Page 224 of 329



NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- PROPOSED SILT FENCE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING LIGHTPOLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROPOSED INLET SEDIMENT BARRIER
- EXISTING TO BE REMOVED

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
3. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
4. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
5. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
6. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
7. ALL EXISTING SIGNS IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
8. ALL TREES ARE TO BE PROTECTED AT ALL TIMES DURING CONSTRUCTION

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON FLORIDA LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: 10/31/2025

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

DEMOLITION AND EROSION CONTROL PLAN

SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

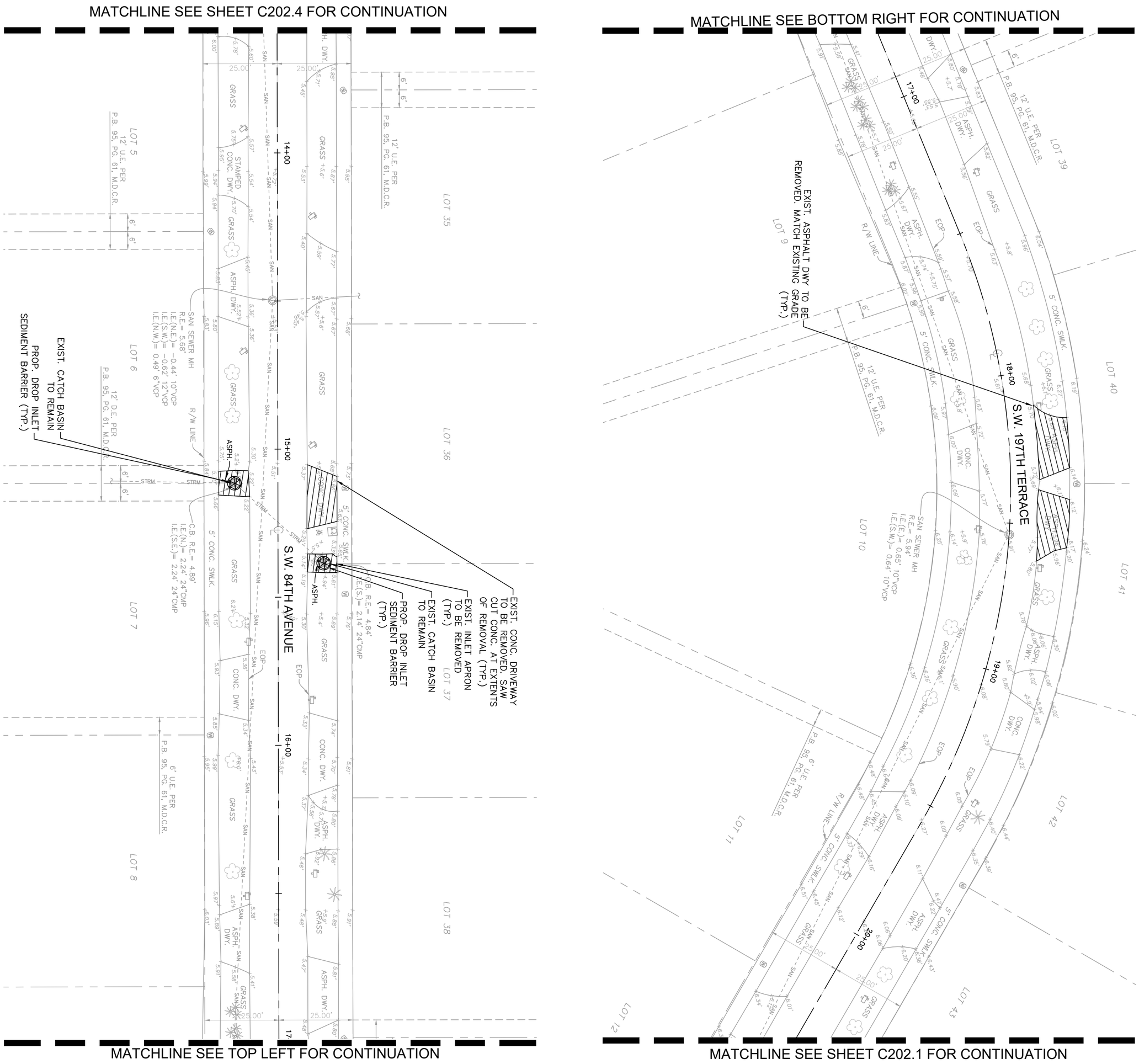
SHEET NUMBER
C202.2

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG Sunshine www.callsunshine.com

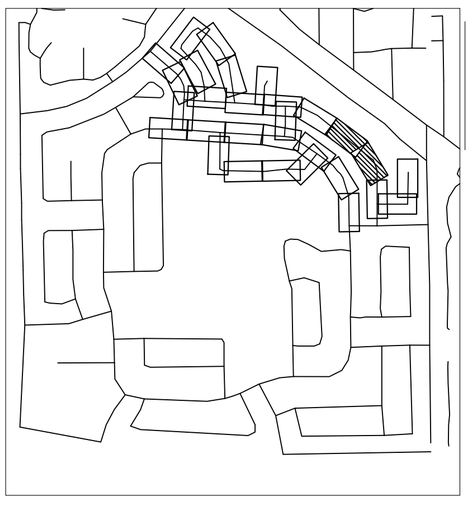
Plotted By: Rajeev Filipos, Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS, Layout: C202.2 Demolition and Erosion Control Plan, August 05, 2025, 12:13:54pm, K:\MI_ed\043\043 Jobs\043145105 saga bay drainage improvements\CAD\sheetset\C202.1 Demolition and Erosion Control Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By: Beziner, Eliana Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C202.3 Demolition and Erosion Control Plan August 05, 2025 12:14:01pm K:\ftl_civil\043 jobs\043145105 saga bay drainage improvements\CAD\plansheets\C200.1 Demolition and Erosion Control Plan.dwg

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- PROPOSED SILT FENCE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING LIGHTPOLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROPOSED INLET SEDIMENT BARRIER
- EXISTING TO BE REMOVED

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
3. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
4. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
5. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
6. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
7. ALL EXISTING SIGNS IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
8. ALL TREES ARE TO BE PROTECTED AT ALL TIMES DURING CONSTRUCTION

811 KNOW WHAT'S BELOW CALL TWO WORKING DAYS BEFORE YOU DIG
It's free. It's the law. It's our law.
www.callsunshine.com

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

SHEET NUMBER C202.3

SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

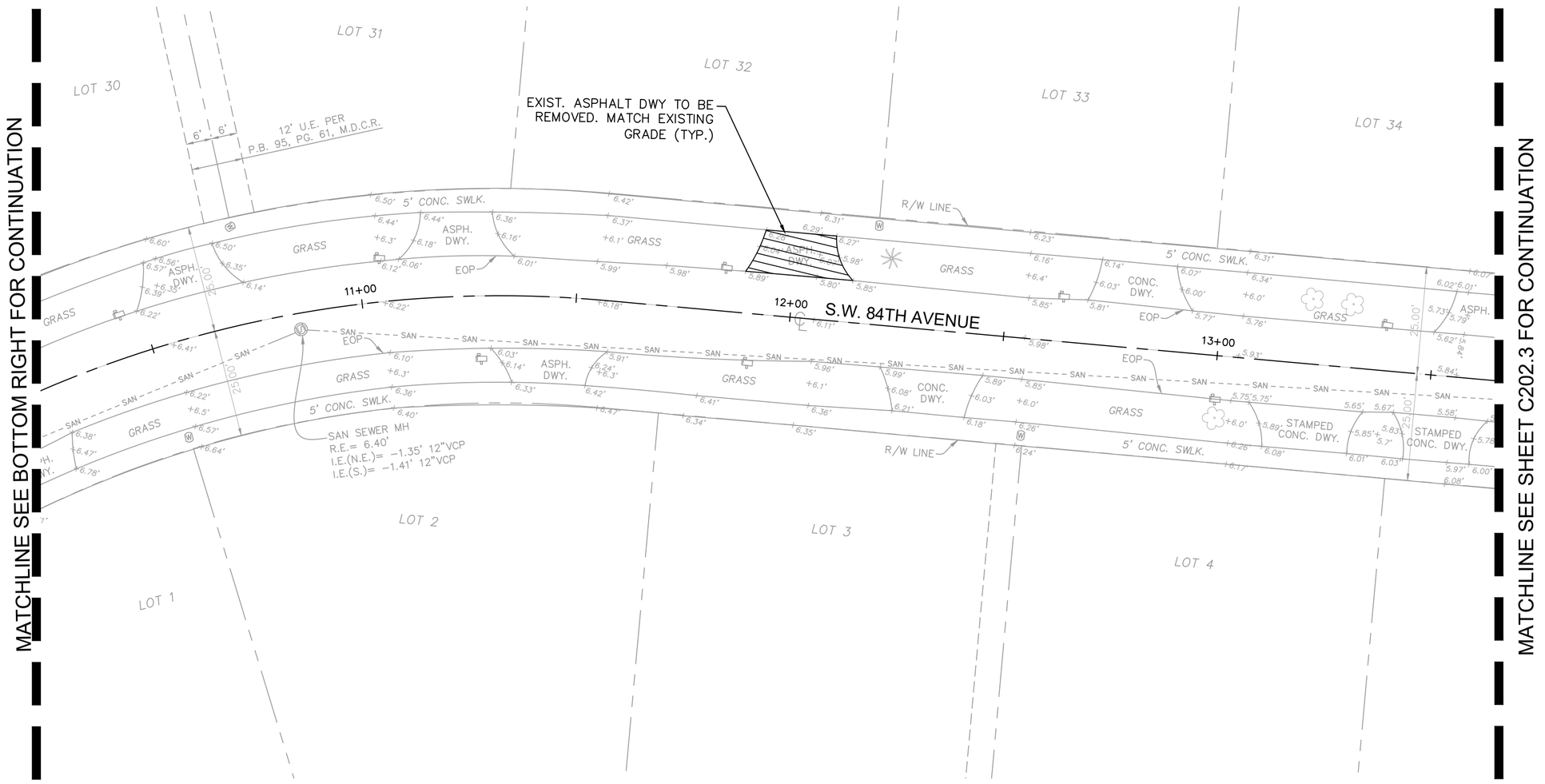
DEMOLITION AND EROSION CONTROL PLAN

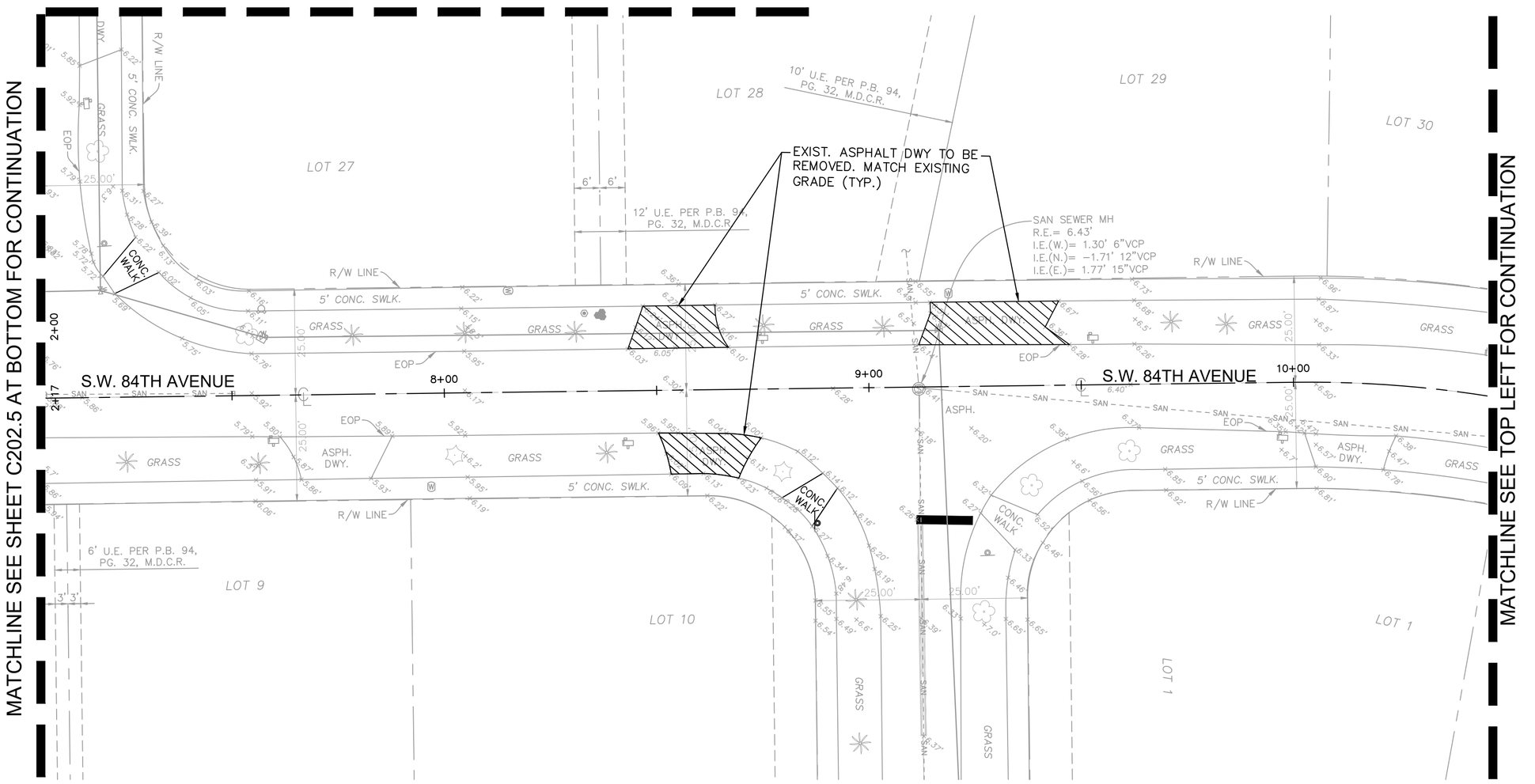
KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: 8/5/2025

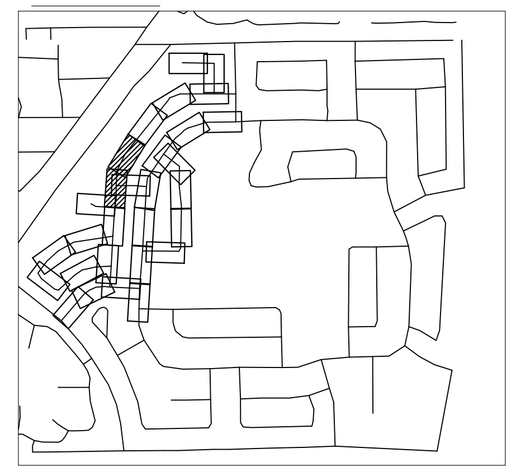
Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

No.	REVISIONS	DATE	BY





KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- PROPOSED SILT FENCE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING LIGHTPOLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROPOSED INLET SEDIMENT BARRIER
- EXISTING TO BE REMOVED

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
3. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
4. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
5. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
6. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
7. ALL EXISTING SIGNS IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
8. ALL TREES ARE TO BE PROTECTED AT ALL TIMES DURING CONSTRUCTION

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER

KHA PROJECT 043145105	
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

DEMOLITION AND EROSION CONTROL PLAN

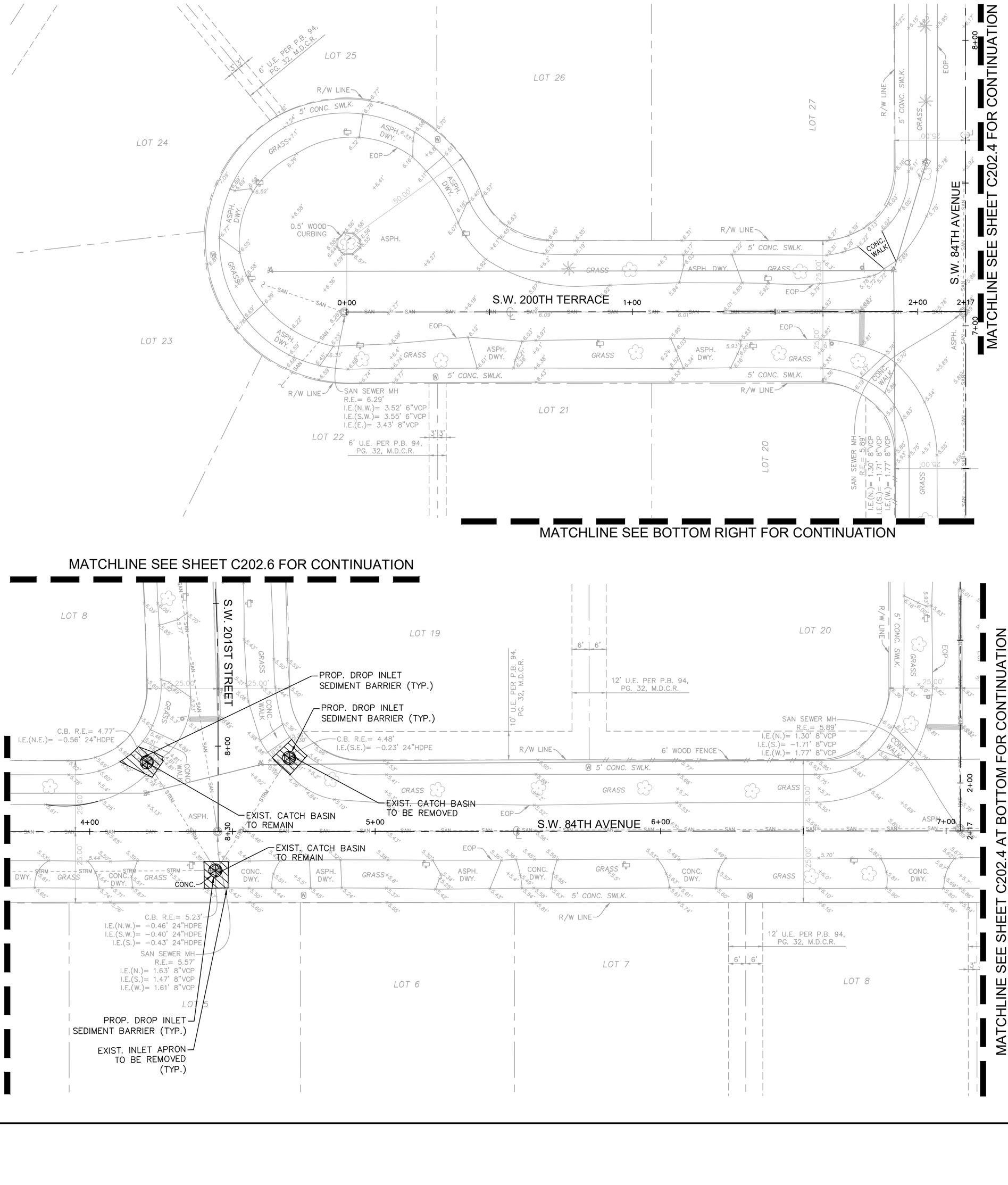
SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C202.4

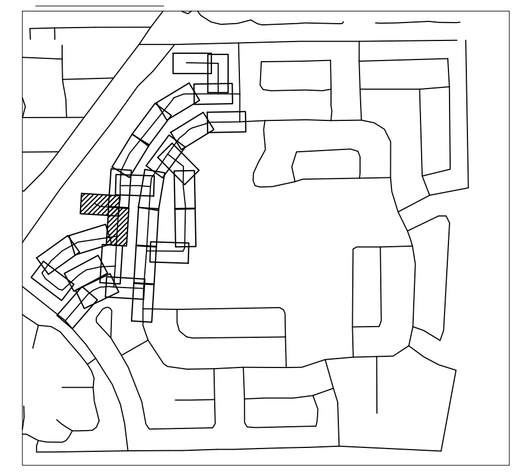
811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast, it's free, it's the law.
www.sunshine811.com

Plotted By:Rainier, Filipo Sheet Set:SAGA BAY DRAINAGE IMPROVEMENTS Layout:C202.4 Demolition and Erosion Control Plan August 06, 2025 12:14:11pm K:\MI_civil\043145105.open bay drainage improvements\CAD\sheetset\C202.1 Demolition and Erosion Control Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By:Rainier, Flinn Sheet Set:SAGA BAY DRAINAGE IMPROVEMENTS Layout:C202.5 Demolition and Erosion Control Plan August 06, 2025 - 12:14:21pm K:\FLL-civil\043145105 saga bay drainage improvements\CAD\sheetset\C200.1 Demolition and Erosion Control Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, inc.



KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- PROPOSED SILT FENCE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING LIGHTPOLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROPOSED INLET SEDIMENT BARRIER
- EXISTING TO BE REMOVED

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
3. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
4. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
5. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
6. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
7. ALL EXISTING SIGNS IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
8. ALL TREES ARE TO BE PROTECTED AT ALL TIMES DURING CONSTRUCTION

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

DEMOLITION AND EROSION CONTROL PLAN

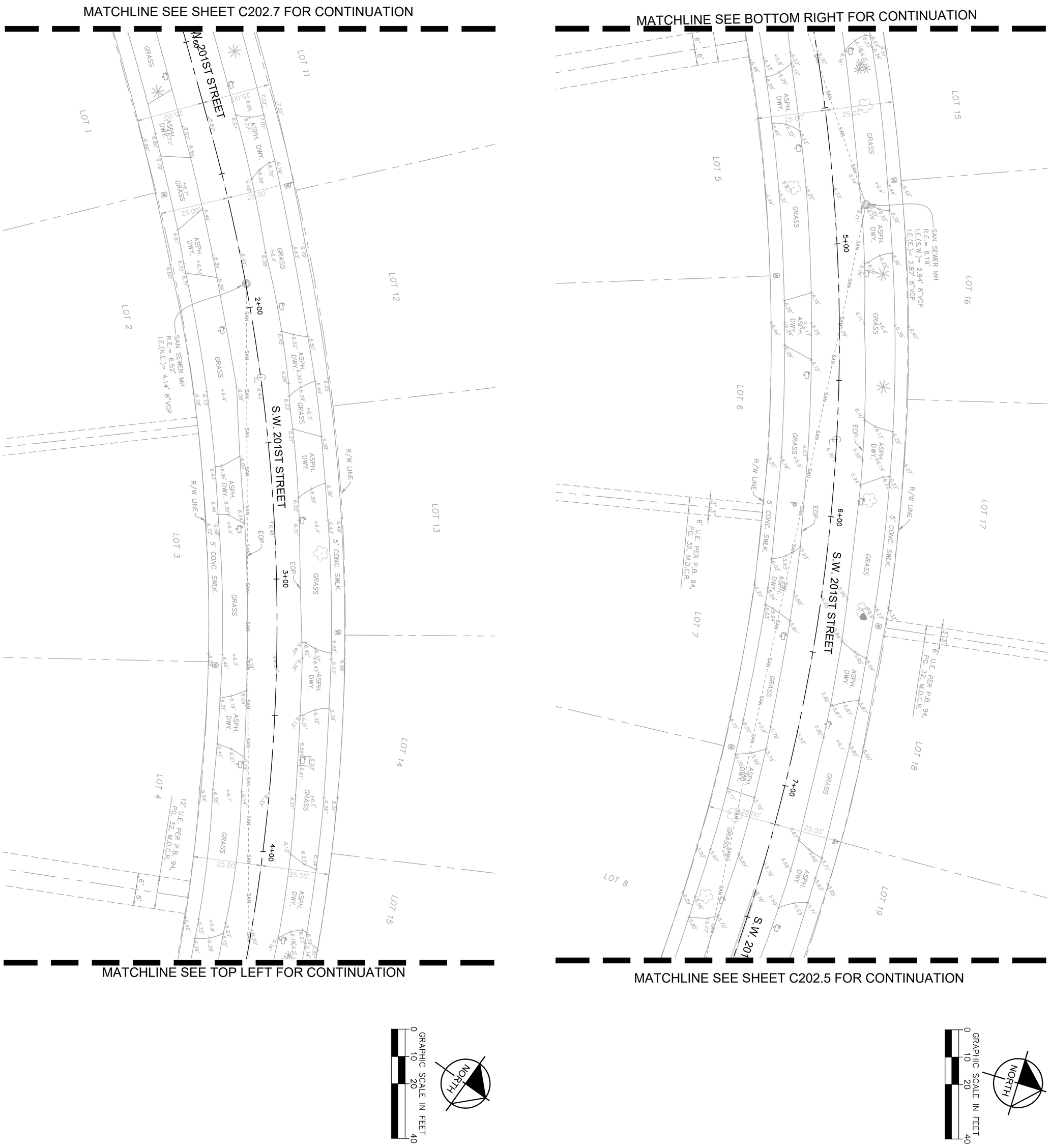
SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C202.5

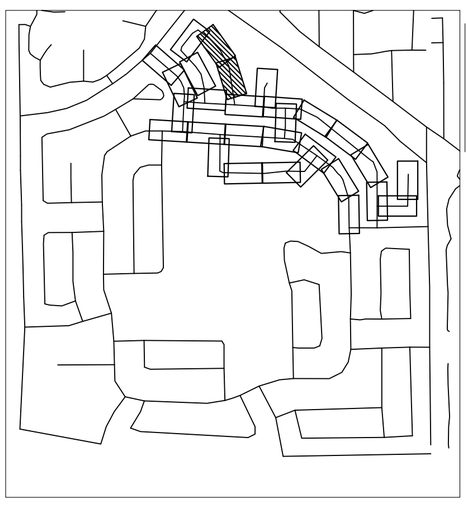
811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callbeforeyoudig.com

Plotted By: Beziner, Eliana Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C202.6 Demolition and Erosion Control Plan August 05, 2025 12:14:31pm K:\ftl_civil\043 jobs\043145105 saga bay drainage improvements\CAD\plansheets\C200.1 Demolition and Erosion Control Plan.dwg

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- PROPOSED SILT FENCE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING LIGHTPOLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROPOSED INLET SEDIMENT BARRIER
- EXISTING TO BE REMOVED

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
3. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
4. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
5. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
6. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
7. ALL EXISTING SIGNS IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
8. ALL TREES ARE TO BE PROTECTED AT ALL TIMES DURING CONSTRUCTION

811 KNOW WHAT'S BELOW ALWAYS CALL BEFORE YOU DIG
Sunshine811.com

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

SHEET NUMBER C202.6

SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

DEMOLITION AND EROSION CONTROL PLAN

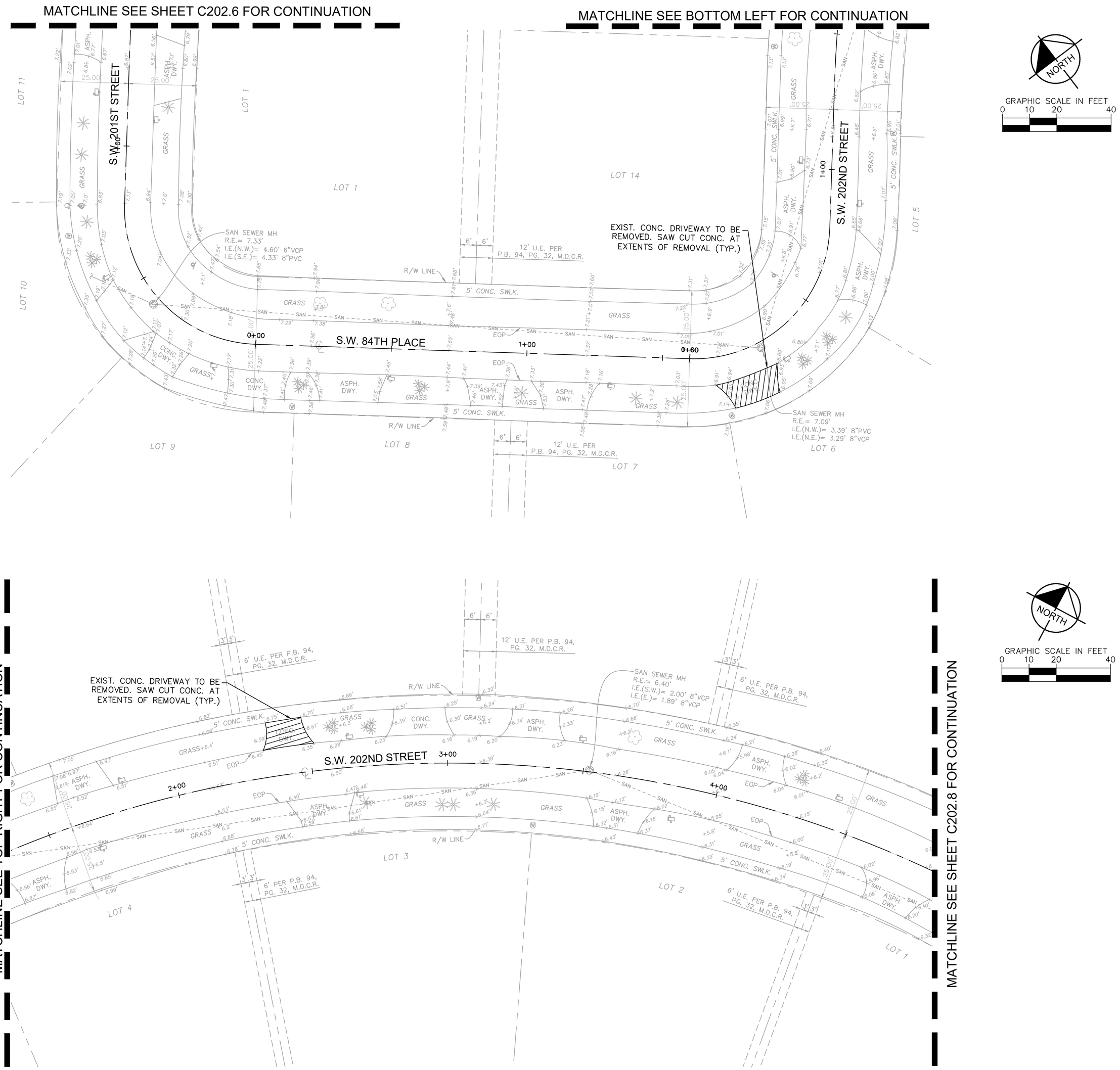
KHA PROJECT 043145105
DATE MAY 2025
SCALE AS SHOWN
DESIGNED BY TS
DRAWN BY DM
CHECKED BY SV

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: MAY 2025

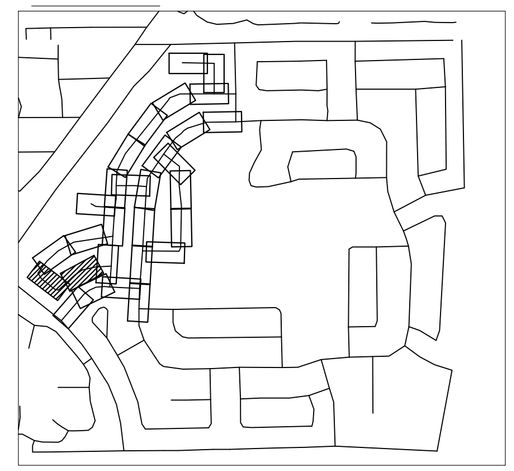
Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

No.	REVISIONS	DATE	BY



KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- PROPOSED SILT FENCE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING LIGHTPOLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROPOSED INLET SEDIMENT BARRIER
- EXISTING TO BE REMOVED

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
3. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
4. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
5. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
6. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
7. ALL EXISTING SIGNS IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
8. ALL TREES ARE TO BE PROTECTED AT ALL TIMES DURING CONSTRUCTION

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

DEMOLITION AND EROSION CONTROL PLAN

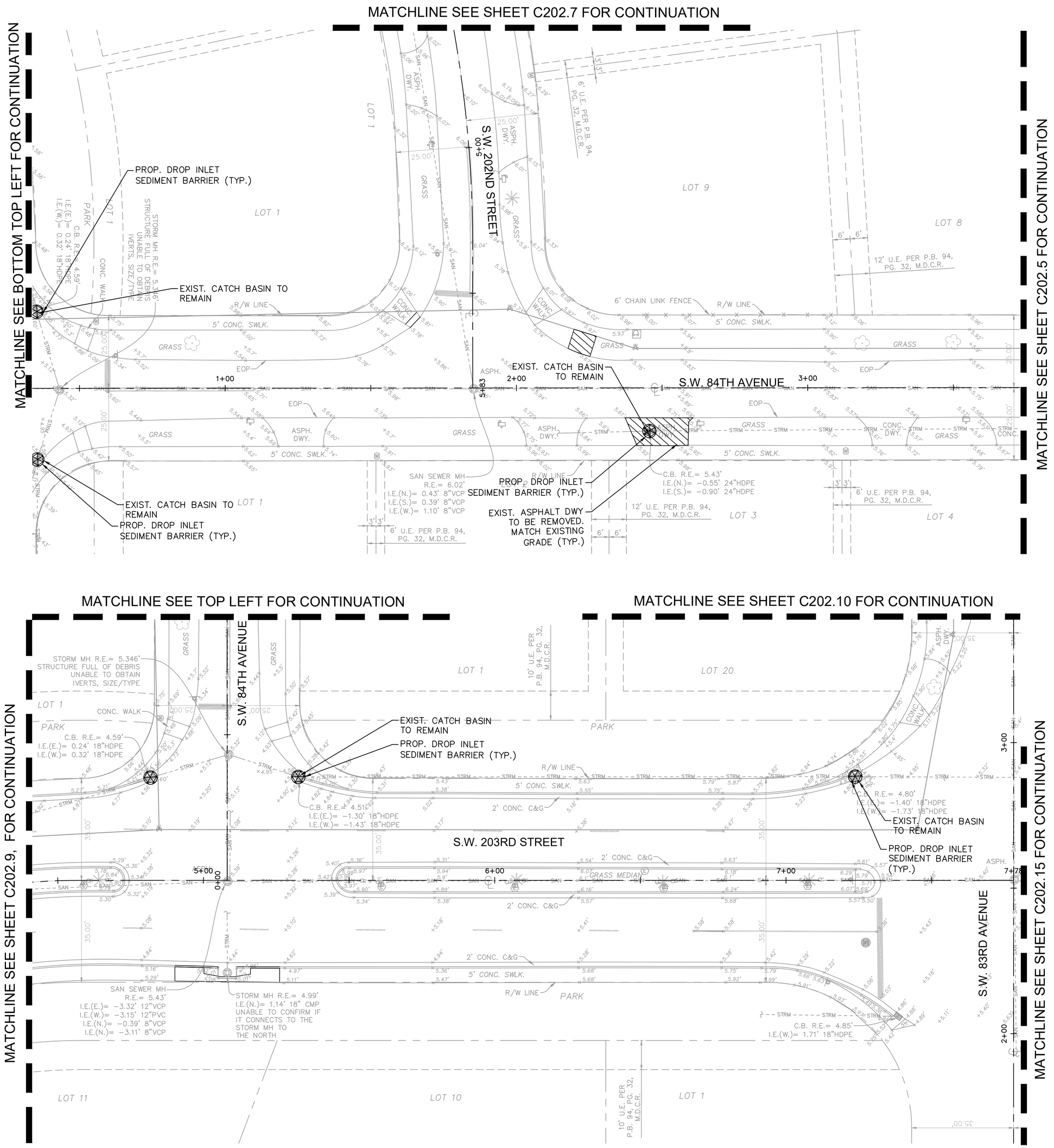
SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C202.7

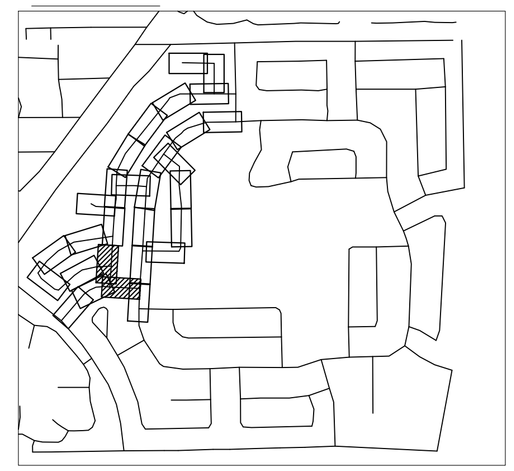
811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callbeforeyoudig.com

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By:Rainier, Flinn Sheet Set:SAGA BAY DRAINAGE IMPROVEMENTS Layout:C202.7 Demolition and Erosion Control Plan August 06, 2025 - 12:14:42pm K:\FLL_civil\043145105 saga bay drainage improvements\CAD\plansheet\C202.1 Demolition and Erosion Control Plan.dwg
Town of Cutler Bay | ITB No. 25-04
Saga Bay Drainage Improvements Project
Page 229 of 329



KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- PROPOSED SILT FENCE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING LIGHTPOLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROPOSED INLET SEDIMENT BARRIER
- EXISTING TO BE REMOVED

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
3. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
4. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
5. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
6. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
7. ALL EXISTING SIGNS IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
8. ALL TREES ARE TO BE PROTECTED AT ALL TIMES DURING CONSTRUCTION

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON ★ No 85268 ★ STATE OF FLORIDA ★ PROFESSIONAL ENGINEER
FILE: (PNG ATTACHED) DATE: (PNG ATTACHED)

KHA PROJECT 043145105		
DATE	MAY 2025	
SCALE	AS SHOWN	
DESIGNED BY	TS	
DRAWN BY	DM	
CHECKED BY	SV	

DEMOLITION AND EROSION CONTROL PLAN

SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

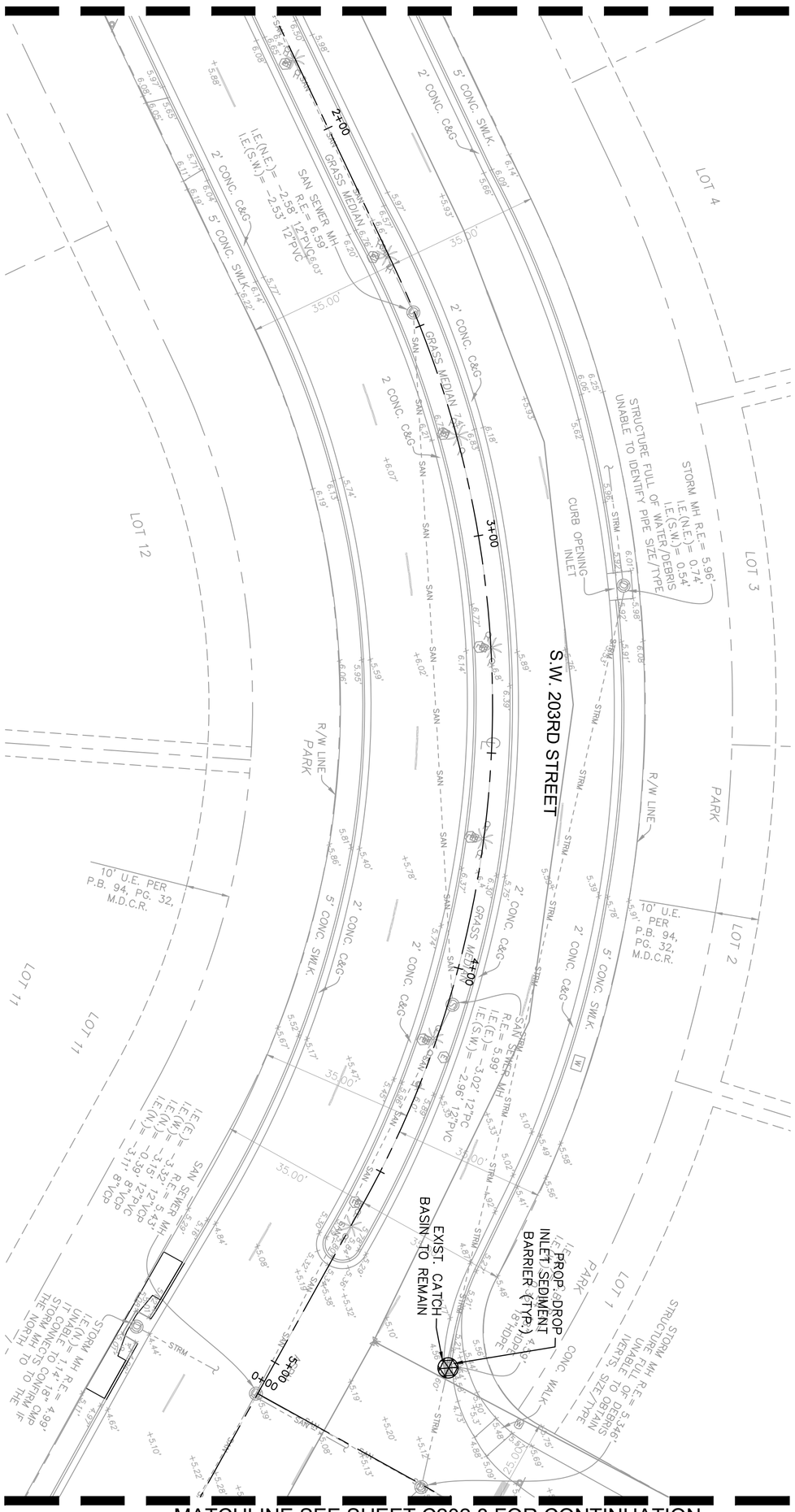
SHEET NUMBER
C202.8

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG! It's fast. It's free. It's the law. www.sunshine811.com

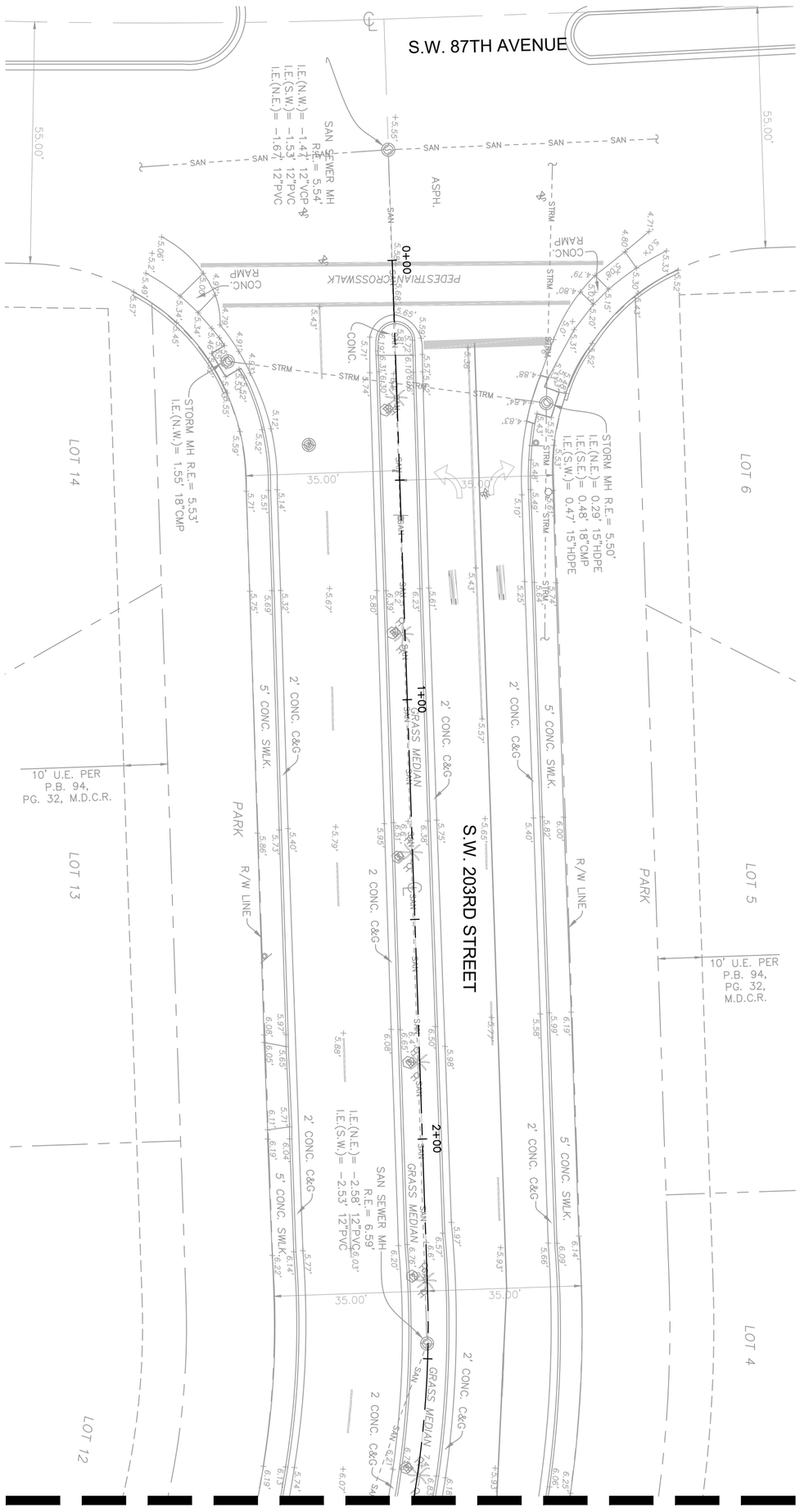
Plotted By: Rainier, Flores Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C202.8 Demolition and Erosion Control Plan August 06, 2025 12:14:57pm K:\MIA_civil\043145105 saga bay drainage improvements\CAD\Xlaysheet\C202.0 Demolition and Erosion Control Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By: Beziner, Eliana Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C202.9 Demolition and Erosion Control Plan August 05, 2025 12:15:02pm K:\ftl_civil\043 jobs\043145105 saga bay drainage improvements\CAD\plansheets\C200.1 Demolition and Erosion Control Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

MATCHLINE SEE TOP RIGHT FOR CONTINUATION



MATCHLINE SEE BOTTOM LEFT FOR CONTINUATION



MATCHLINE SEE SHEET C202.8 FOR CONTINUATION

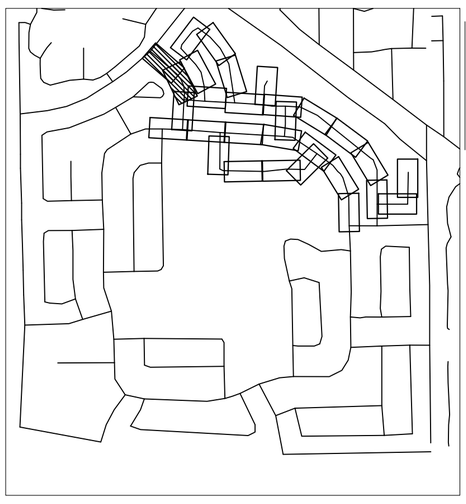
GRAPHIC SCALE IN FEET 0 10 20 40

NORTH

GRAPHIC SCALE IN FEET 0 10 20 40

NORTH

KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- PROPOSED SILT FENCE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING LIGHTPOLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROPOSED INLET SEDIMENT BARRIER
- EXISTING TO BE REMOVED

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
3. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
4. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
5. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
6. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
7. ALL EXISTING SIGNS IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
8. ALL TREES ARE TO BE PROTECTED AT ALL TIMES DURING CONSTRUCTION

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG www.callsunshine.com

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

SHEET NUMBER C202.9

SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

DEMOLITION AND EROSION CONTROL PLAN

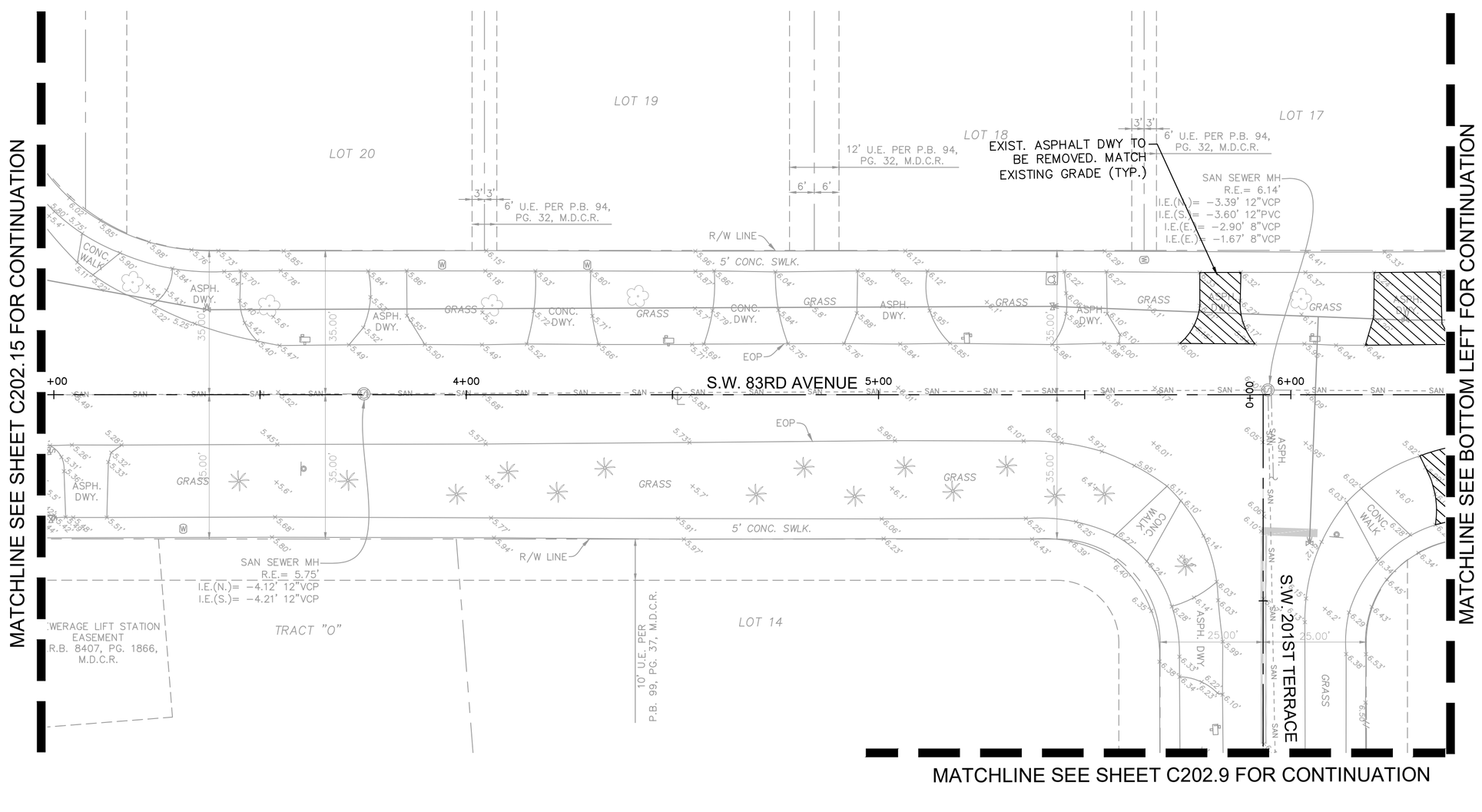
KHA PROJECT 043145105
DATE MAY 2025
SCALE AS SHOWN
DESIGNED BY TS
DRAWN BY DM
CHECKED BY SV

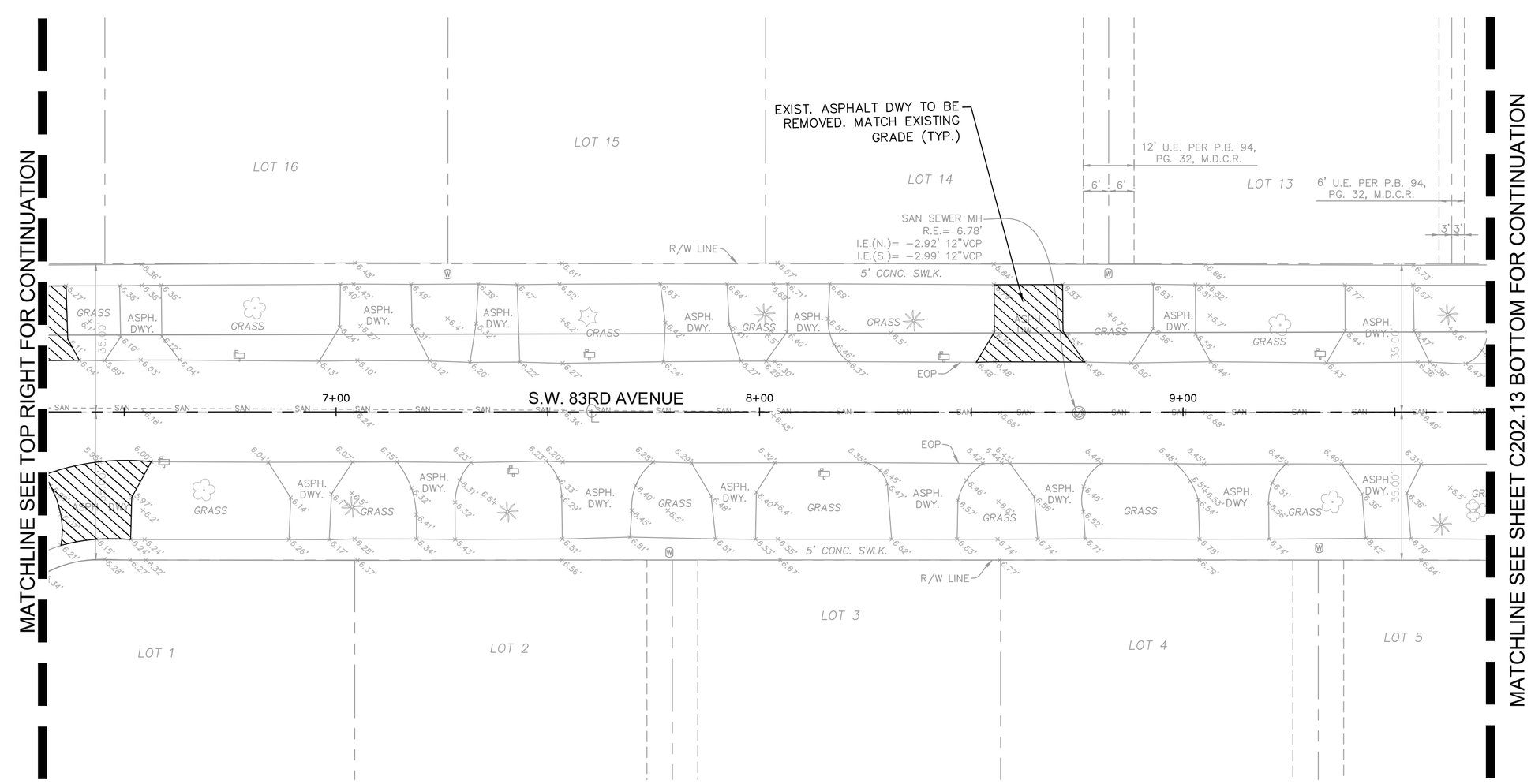
TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: 8/5/2025

Kimley»Horn

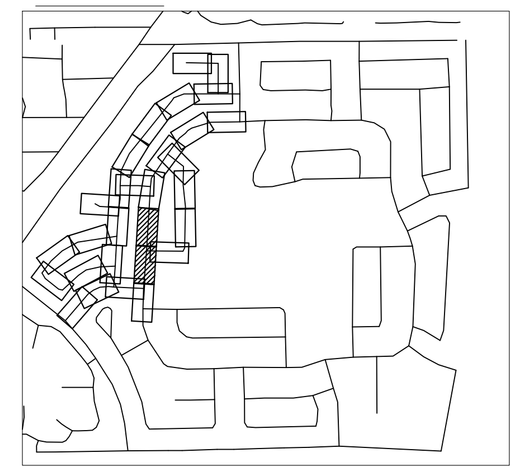
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

No.	REVISIONS	DATE	BY





KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- PROPOSED SILT FENCE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING LIGHTPOLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROPOSED INLET SEDIMENT BARRIER
- EXISTING TO BE REMOVED

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
3. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
4. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
5. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
6. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
7. ALL EXISTING SIGNS IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
8. ALL TREES ARE TO BE PROTECTED AT ALL TIMES DURING CONSTRUCTION

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

DEMOLITION AND EROSION CONTROL PLAN

SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C202.10

KNOW WHAT'S BELOW. CALL 811 BEFORE YOU DIG!
It's fast, it's free, it's the law.
www.callsunshine.com

Plotted By:Raziner Filoso, Sheet Set:SAGA BAY DRAINAGE IMPROVEMENTS, Layout:C202.10 Demolition and Erosion Control Plan, August 06, 2025 - 12:15:12pm K:\MI_div\043_Jax\043145105_saga bay drainage improvements\CAD\plansheets\C200.1 Demolition and Erosion Control Plan.dgn
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

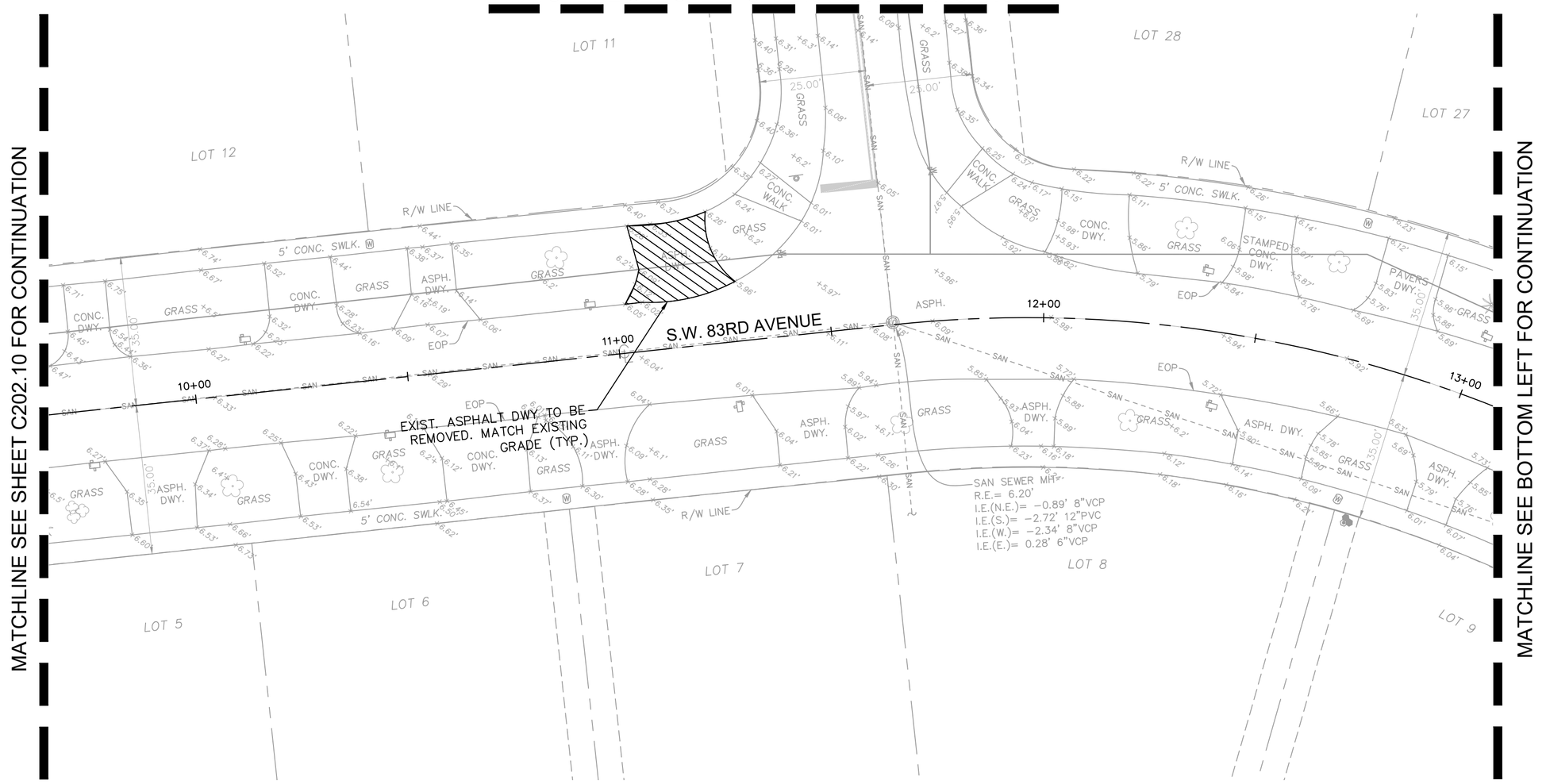
Plotted By: Rajeev Filipos, Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS, Layout: C202.11 Demolition and Erosion Control Plan, August 05, 2025 - K:\Ut_civil\043_jea\04314510\6_sopa_bay_drainage_improvements\CAD\planset\C202.11 Demolition and Erosion Control Plan.dgn
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Town of Cutler Bay | ITB No. 25-04
Saga Bay Drainage Improvements
Page 234 of 329

MATCHLINE SEE SHEET C202.15 FOR CONTINUATION

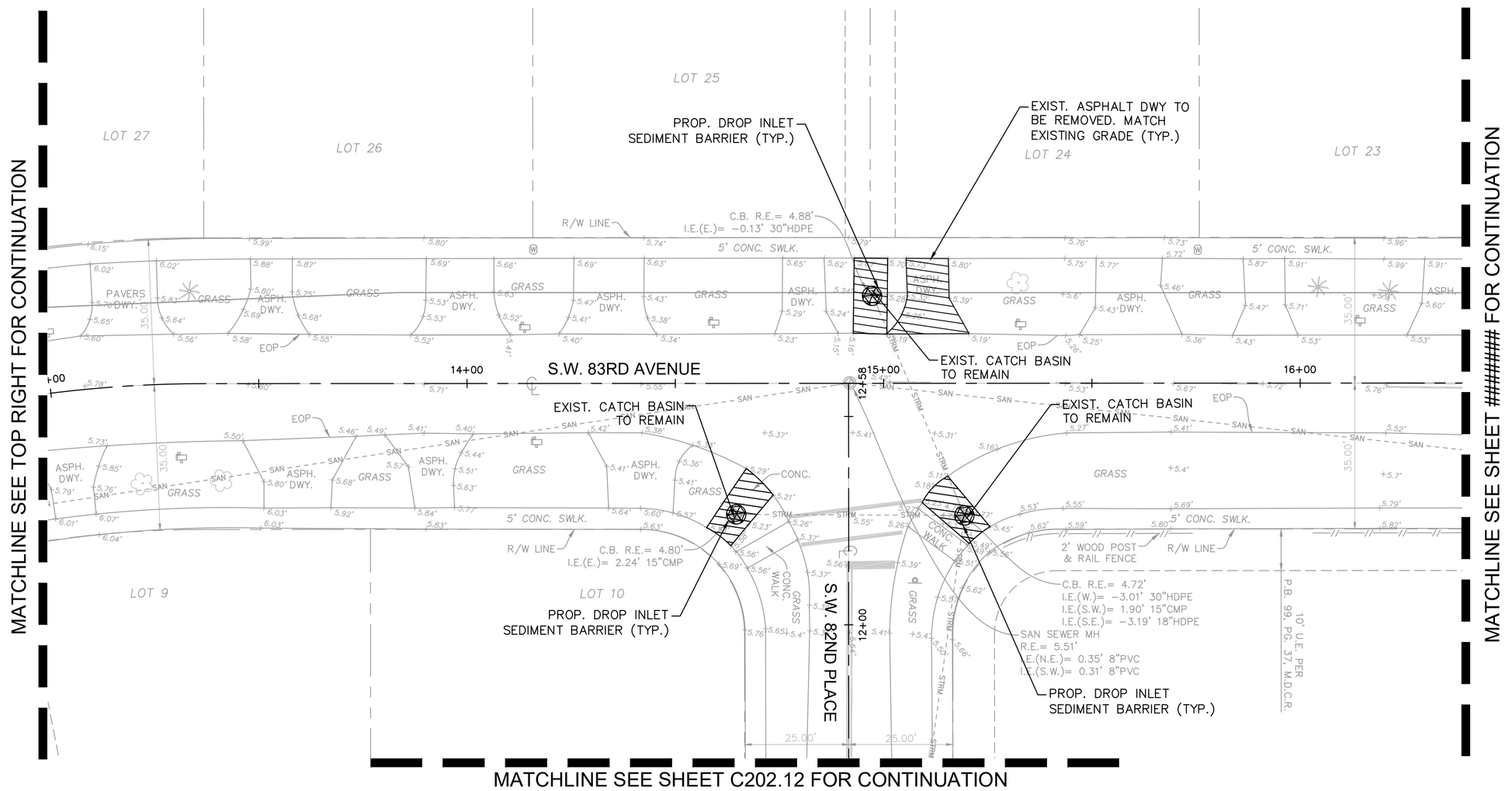
MATCHLINE SEE SHEET C202.10 FOR CONTINUATION

MATCHLINE SEE BOTTOM LEFT FOR CONTINUATION



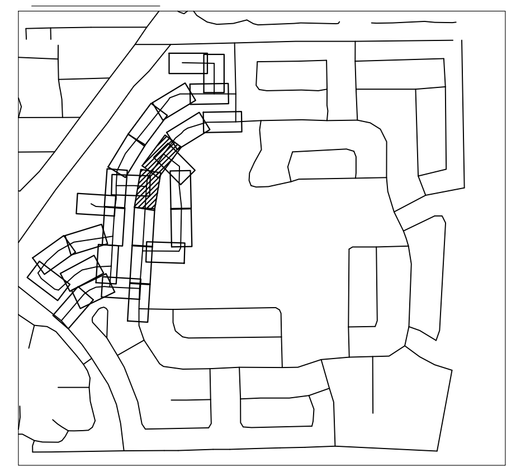
MATCHLINE SEE TOP RIGHT FOR CONTINUATION

MATCHLINE SEE SHEET ###### FOR CONTINUATION



MATCHLINE SEE SHEET C202.12 FOR CONTINUATION

KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- PROPOSED SILT FENCE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING LIGHTPOLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROPOSED INLET SEDIMENT BARRIER
- EXISTING TO BE REMOVED

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
3. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
4. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
5. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
6. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
7. ALL EXISTING SIGNS IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
8. ALL TREES ARE TO BE PROTECTED AT ALL TIMES DURING CONSTRUCTION

GRAPHIC SCALE IN FEET
0 10 20 40

No.	REVISIONS	DATE	BY

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON ★ FLORIDA LICENSE ★ No 85268 ★ STATE OF FLORIDA ★ PROFESSIONAL ENGINEER
SIGNATURE: [illegible] DATE: 10/31/2025

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

DEMOLITION AND EROSION CONTROL PLAN

SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

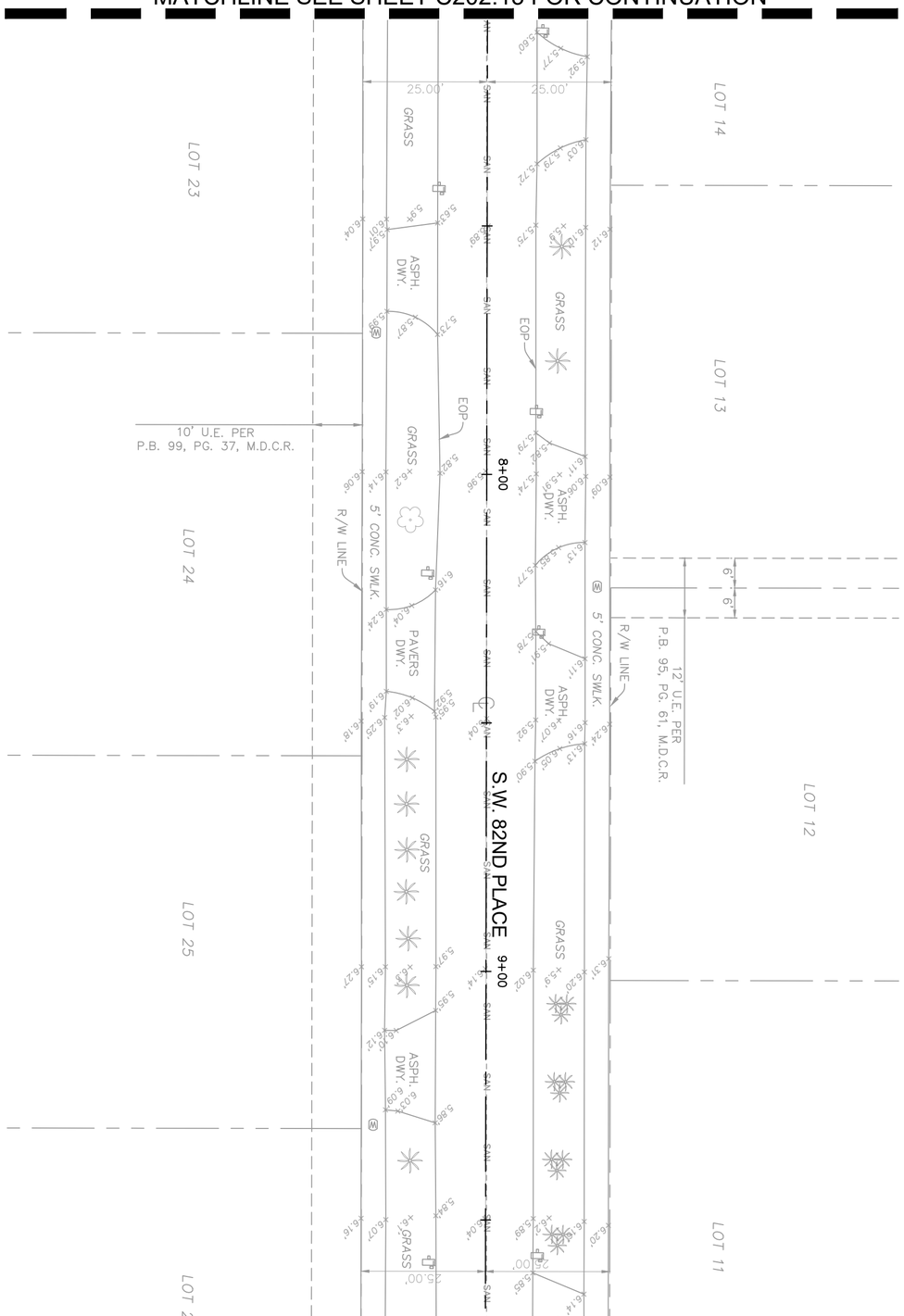
SHEET NUMBER
C202.11

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
Sunshine
www.callsunshine.com

Plotted By: Beziner, Eliana Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C202.12 Demolition and Erosion Control Plan August 05, 2025 12:15:32pm K:\ftl_civil\043 jobs\043145105 saga bay drainage improvements\CAD\plansheets\C200.1 Demolition and Erosion Control Plan.dwg

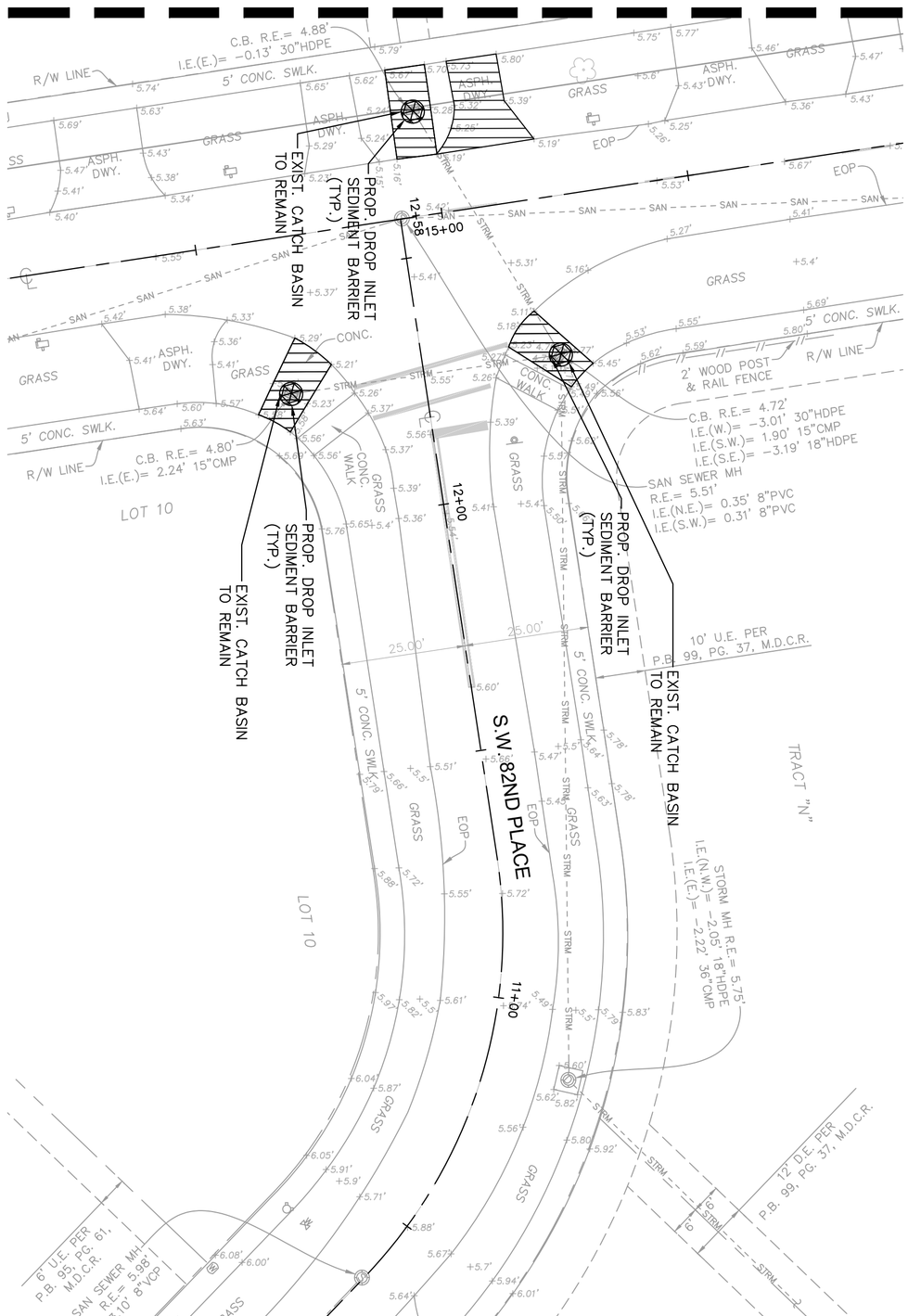
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

MATCHLINE SEE SHEET C202.13 FOR CONTINUATION



MATCHLINE SEE TOP RIGHT FOR CONTINUATION

MATCHLINE SEE SHEET C202.11 FOR CONTINUATION



MATCHLINE SEE BOTTOM LEFT FOR CONTINUATION

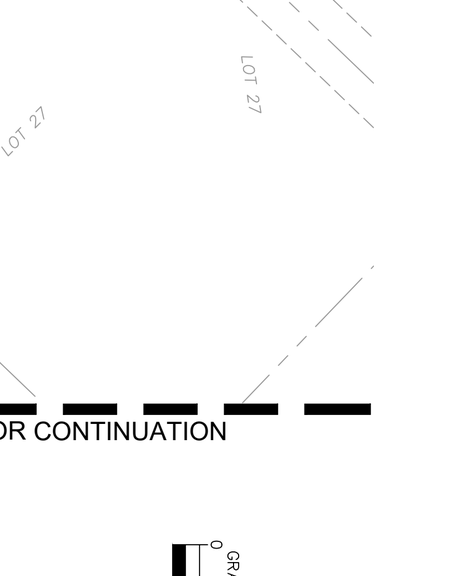
GRAPHIC SCALE IN FEET 0 10 20 40

NORTH

GRAPHIC SCALE IN FEET 0 10 20 40

NORTH

KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- PROPOSED SILT FENCE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING LIGHTPOLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROPOSED INLET SEDIMENT BARRIER
- EXISTING TO BE REMOVED

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
3. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
4. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
5. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
6. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
7. ALL EXISTING SIGNS IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
8. ALL TREES ARE TO BE PROTECTED AT ALL TIMES DURING CONSTRUCTION

811 KNOW WHAT'S BELOW CALL BEFORE YOU DIG www.callsunshine.com

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

SHEET NUMBER C202.12

SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

DEMOLITION AND EROSION CONTROL PLAN

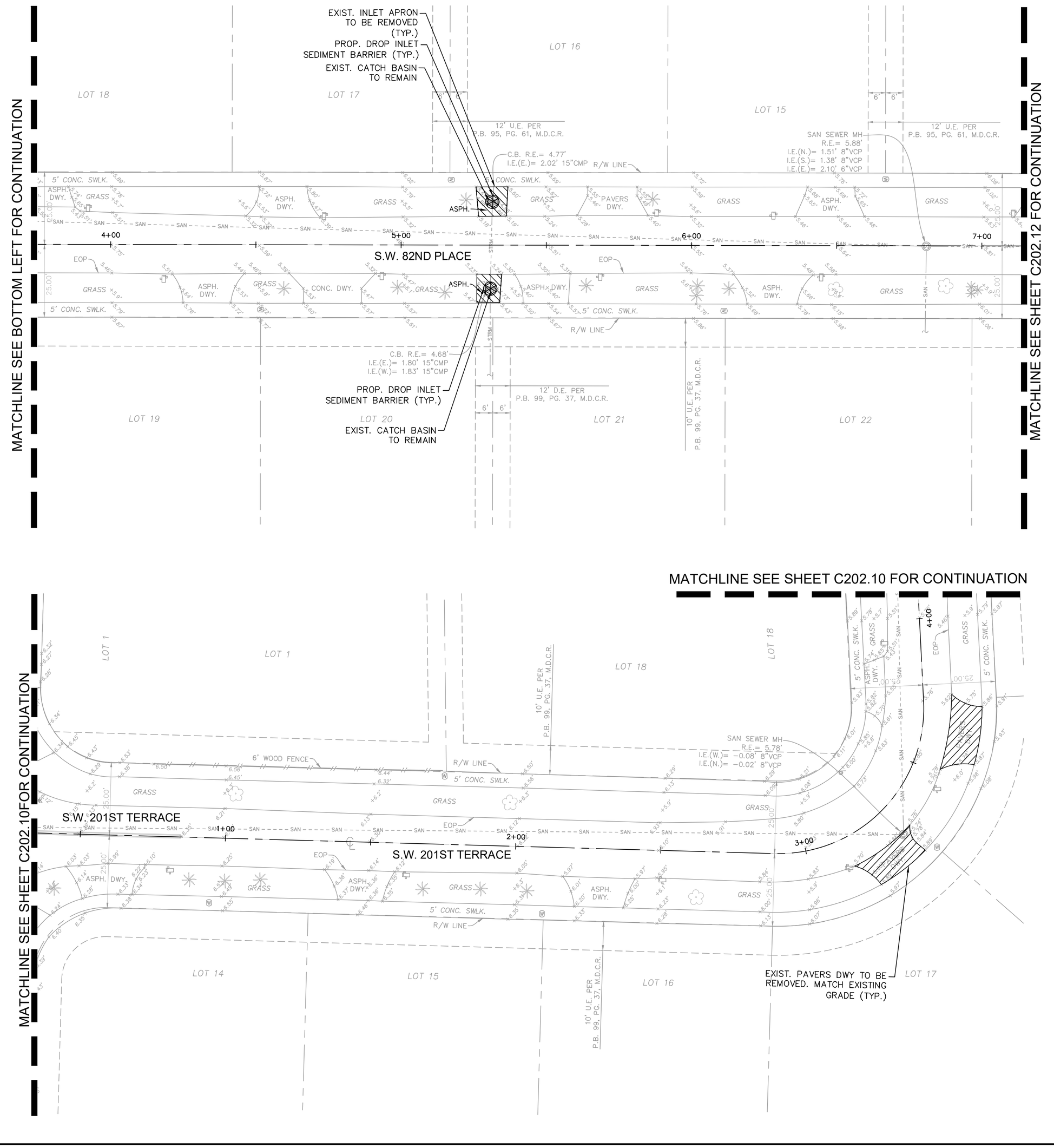
KHA PROJECT 043145105
DATE MAY 2025
SCALE AS SHOWN
DESIGNED BY TS
DRAWN BY DM
CHECKED BY SV

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: 5/21/2025

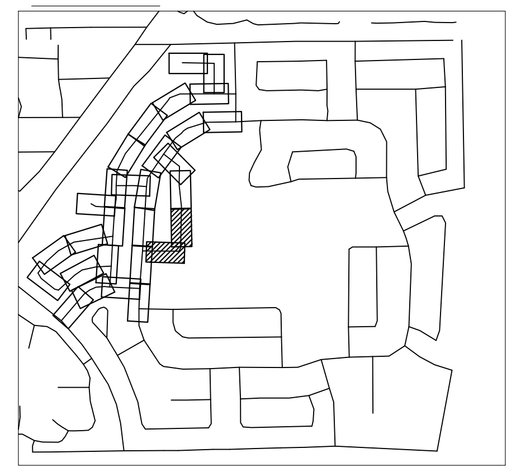
Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

No.	REVISIONS	DATE	BY



KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- PROPOSED SILT FENCE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING LIGHTPOLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROPOSED INLET SEDIMENT BARRIER
- EXISTING TO BE REMOVED

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
3. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
4. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
5. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
6. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
7. ALL EXISTING SIGNS IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
8. ALL TREES ARE TO BE PROTECTED AT ALL TIMES DURING CONSTRUCTION

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: 10/14/2025

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

DEMOLITION AND EROSION CONTROL PLAN

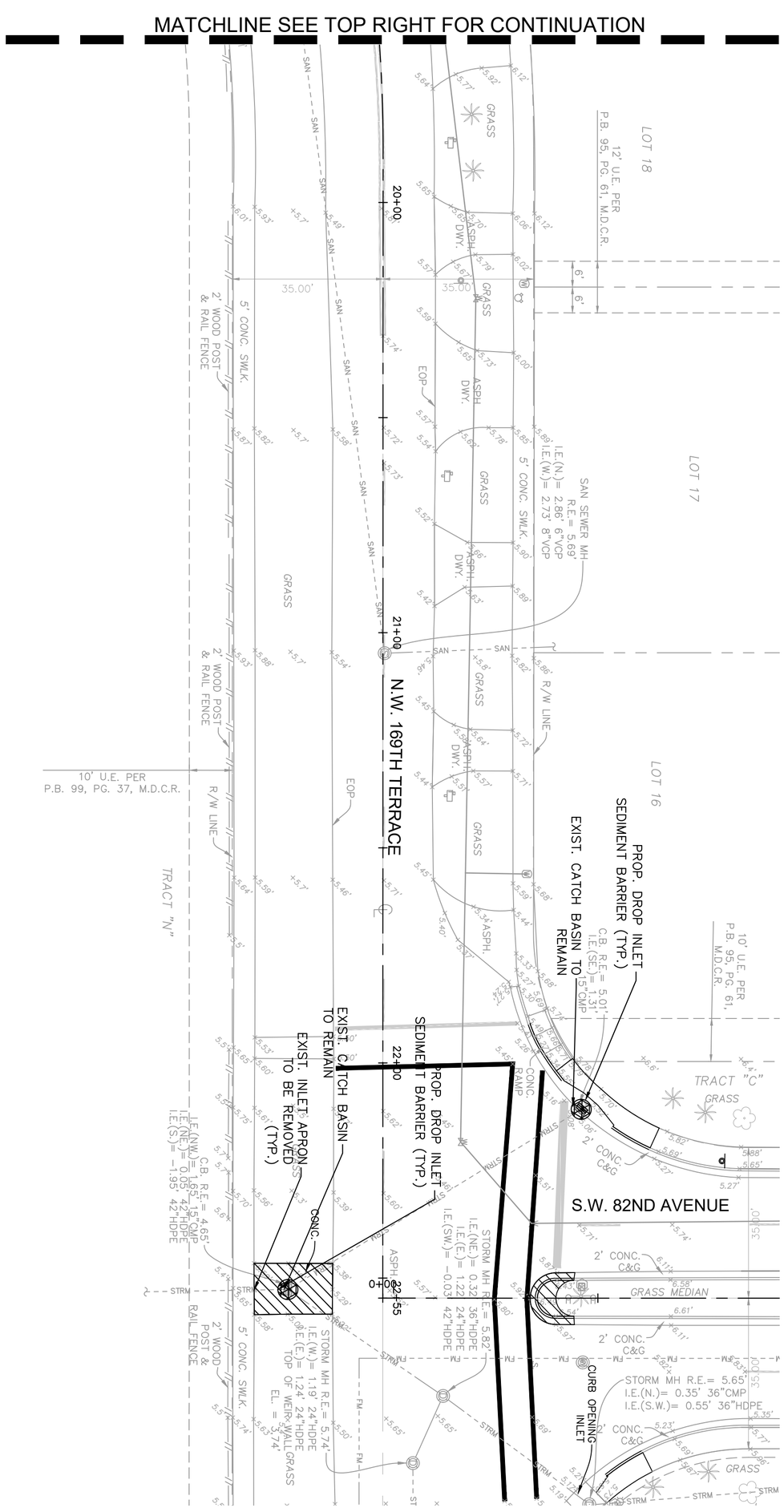
SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C202.13

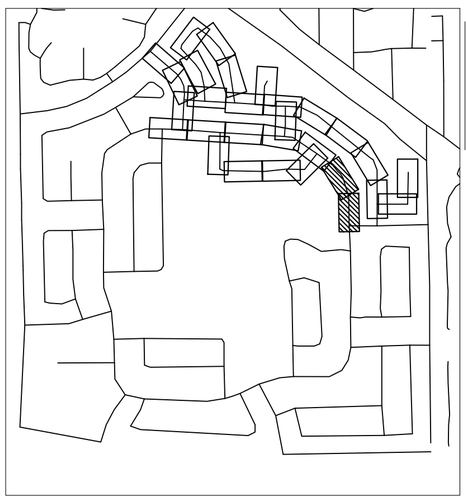
811 KNOW WHAT'S BELOW. CALL BEFORE YOU DIG! It's fast. It's free. It's the law. www.callsunshine.com

Plotted By:Rapinder Filipos, Sheet Set:SAGA BAY DRAINAGE IMPROVEMENTS, Layout:C202.13 Demolition and Erosion Control Plan, August 06, 2025 - 12:15:42pm K:\MI_civil\043_jobs\043145105_saga bay drainage improvements\CAD\plansheets\C202.1 Demolition and Erosion Control Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.
Town of Cutler Bay | ITB No. 25-04
Saga Bay Drainage Improvements
Page 236 of 239

Plotted By: Beziner, Eliana Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C202.14 Demolition and Erosion Control Plan August 05, 2025 12:15:52pm K:\ftl_civil\043 jobs\043145105 saga bay drainage improvements\CAD\plansheets\C200.1 Demolition and Erosion Control Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- PROPOSED SILT FENCE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING LIGHTPOLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROPOSED INLET SEDIMENT BARRIER
- EXISTING TO BE REMOVED

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
3. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
4. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
5. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
6. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
7. ALL EXISTING SIGNS IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
8. ALL TREES ARE TO BE PROTECTED AT ALL TIMES DURING CONSTRUCTION

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG www.callsunshine.com

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

SHEET NUMBER C202.14

SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

DEMOLITION AND EROSION CONTROL PLAN

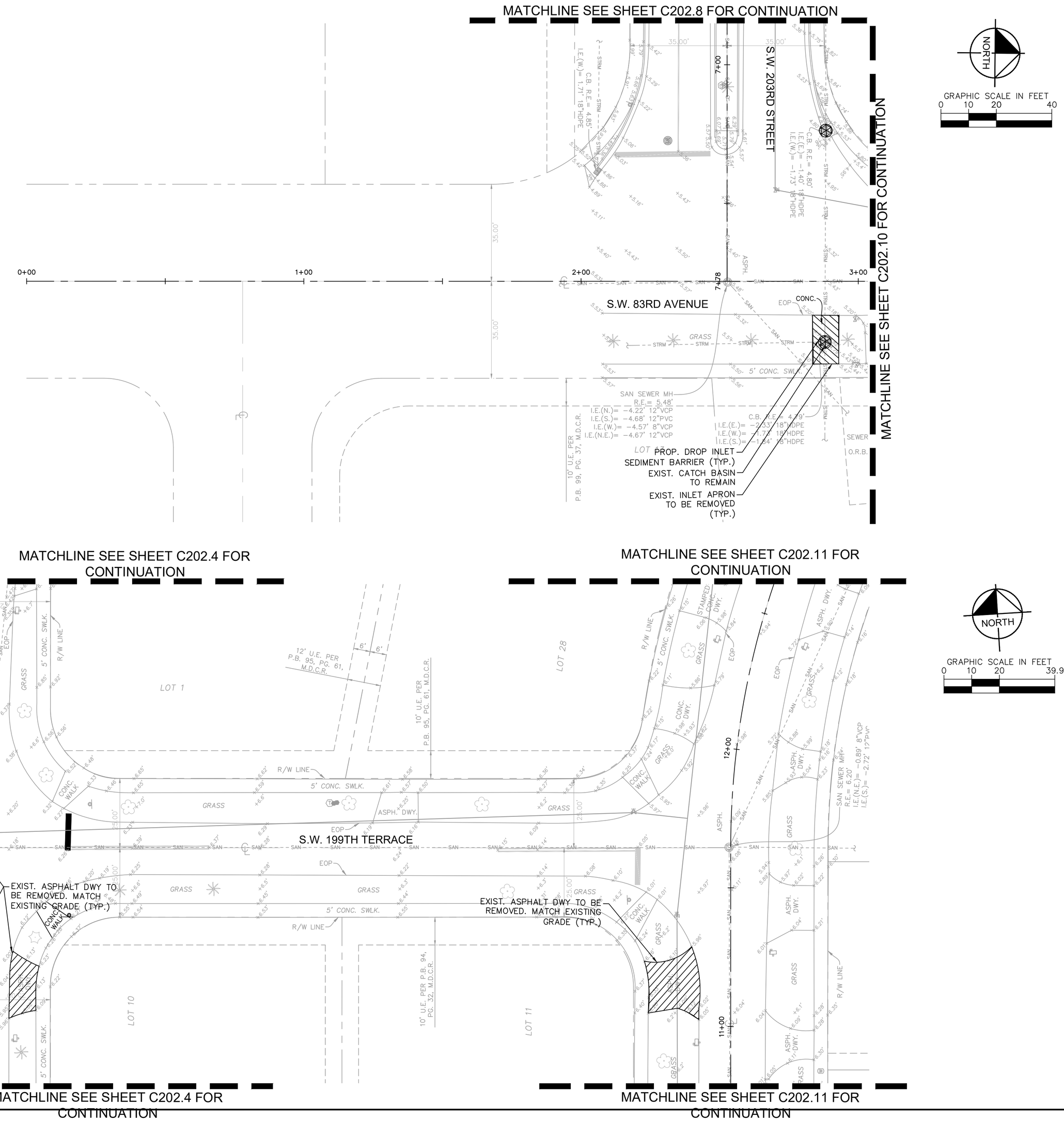
KHA PROJECT 043145105
DATE MAY 2025
SCALE AS SHOWN
DESIGNED BY TS
DRAWN BY DM
CHECKED BY SV

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: 8/5/2025

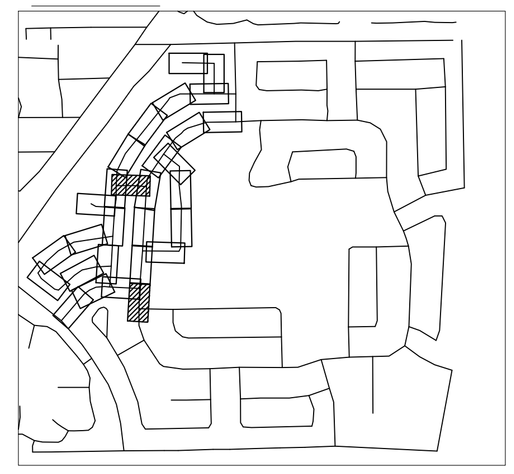
Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

No.	REVISIONS	DATE	BY



KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- PROPOSED SILT FENCE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING LIGHTPOLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROPOSED INLET SEDIMENT BARRIER
- EXISTING TO BE REMOVED

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
3. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
4. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
5. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
6. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
7. ALL EXISTING SIGNS IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
8. ALL TREES ARE TO BE PROTECTED AT ALL TIMES DURING CONSTRUCTION

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: 10/31/2025

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

DEMOLITION AND EROSION CONTROL PLAN

SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C202.15

811 KNOW WHAT'S BELOW. CALL BEFORE YOU DIG! Fl. Stat. 472.Sec.472.18

Plotted By:Raziyer Filonov, Sheet Set:SAGA BAY DRAINAGE IMPROVEMENTS, Layout:C202.15 Demolition and Erosion Control Plan, August 06, 2025 - 12:16:02pm K:\MI_civil\043_jobs\043145105_saga bay drainage improvements\CAD\plansheets\C200.1 Demolition and Erosion Control Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Town of Cutler Bay | ITB No. 25-04
Saga Bay Drainage Improvements Project
Page 238 of 329

A. DEMOLITION NOTES

1. SOME INCIDENTAL ITEMS MAY HAVE BEEN INADVERTENTLY OMITTED FROM THE PLANS. THE CONTRACTOR IS ENCOURAGED TO THOROUGHLY INSPECT THE SITE AS WELL AS REVIEW THE PLANS AND SPECIFICATIONS PRIOR TO SUBMITTING PRICING. CONTRACTOR WILL NOT RECEIVE ADDITIONAL COMPENSATION FOR INCIDENTAL ITEMS NOT SHOWN ON THIS DEMOLITION PLAN.
2. THE DEMOLITION PLAN IS BASED ON AVAILABLE UTILITY INFORMATION AND MAY OR MAY NOT BE ALL INCLUSIVE FOR THIS SITE. ANY UTILITIES ENCOUNTERED DURING DEMOLITION THAT ARE NOT DEPICTED/ADDRESSED ON THIS DRAWING SHOULD BE BROUGHT TO THE ATTENTION OF THE PROJECT ENGINEER IMMEDIATELY.
3. CONTRACTOR IS REQUIRED TO OBTAIN ALL DEMOLITION PERMITS.
4. ALL FEATURES IDENTIFIED ON THIS PLAN WHICH ARE LISTED TO BE DEMOLISHED ARE TO BE REMOVED FROM THE SITE. AFTER DEMOLITION IS COMPLETE THE SITE SHALL BE DELIVERED IN A CONDITION SUITABLE FOR DEVELOPMENT.
5. CONTRACTOR IS RESPONSIBLE FOR CONTROLLING AIRBORNE DUST AND POLLUTANTS BY USING WATER SPRINKLING OR OTHER SUITABLE MEANS OF CONTROL.
6. CONTRACTOR TO USE CARE IN HANDLING DEBRIS FROM THE SITE TO ENSURE THE SAFETY OF THE PUBLIC. HAUL ROUTE TO BE CLOSELY MONITORED FOR DEBRIS OR MATERIALS TRACKED ONTO ADJOINING ROADWAYS, SIDEWALKS, ETC. ROADWAYS AND WALKWAYS TO BE CLEARED DAILY OR AS NECESSARY TO MAINTAIN PUBLIC SAFETY.
7. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
8. WHERE REMAINING, INLETS, MANHOLE COVERS, AND VALVE COVERS TO BE PROTECTED IN PAVEMENT REMOVAL AREAS.
9. SEE SITE PLAN AND GRADING PLAN FOR LIMITS AND GRADING OF RESURFACED DRIVEWAYS AND ENTRANCES.
10. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
11. SEE EROSION CONTROL PLAN FOR INLET PROTECTION AND EROSION PREVENTION.
12. CONTRACTOR TO REROUTE EXISTING IRRIGATION SYSTEM AS NECESSARY TO MAINTAIN IRRIGATION FLOW TO AREAS OUTSIDE THE DEMOLITION ZONE.
13. PROTECT ALL WATER MAINS. CONTRACTOR TO NOTIFY UTILITY PROVIDER IMMEDIATELY, AND REPAIR UPON UTILITY PROVIDER'S DIRECTION.
14. CONTRACTOR TO MAINTAIN PEDESTRIAN TRAFFIC FLOW DURING REMOVAL/REINSTALLATION OF SIDEWALKS.

B. BEST MANAGEMENT PRACTICES (BMPS)

1. THIS PLAN HAS BEEN PREPARED TO ENSURE COMPLIANCE WITH APPROPRIATE CONDITIONS OF THE MIAMI-DADE COUNTY LAND DEVELOPMENT REGULATIONS, THE RULES OF THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP), CHAPTER 17-25, F.A.C., THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD), CHAPTER 40D-4, F.A.C. AND THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (EPA) DOCUMENT NO. EPA 832/R-92-005 (SEPTEMBER 1992). THE PLAN ADDRESSES THE FOLLOWING:
   a. PREVENT LOSS OF SOIL DURING CONSTRUCTION BY STORMWATER RUNOFF AND/OR WIND EROSION, INCLUDING PROTECTING TOPSOIL BY STOCKPILING FOR REUSE.
   b. SEDIMENTION PROTECTION OF STORM SEWER OR RECEIVING STREAM.
   c. PREVENT POLLUTING THE AIR WITH DUST AND PARTICULATE MATTER. THE VARIOUS TECHNIQUES OR ACTIONS IDENTIFIED UNDER EACH SECTION INDICATE THE APPROPRIATE SITUATION WHEN THE TECHNIQUES SHOULD BE EMPLOYED. ALSO IDENTIFIED IS A CROSS-REFERENCE TO A DIAGRAM OR FIGURE REPRESENTING THE TECHNIQUE. IT SHOULD BE NOTED THAT THE MEASURES IDENTIFIED ON THIS PLAN ARE ONLY SUGGESTED BMP(S). THE CONTRACTOR SHALL PROVIDE POLLUTION PREVENTION AND EROSION CONTROL MEASURES AS SPECIFIED IN ACCORDANCE WITH THE CURRENT FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) REQUIREMENTS. CONTRACTOR SHALL PREPARE REQUIRED NPDES DOCUMENTATION AND OBTAIN PERMIT PRIOR TO COMMENCEMENT OF CONSTRUCTION. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO PREPARE THE REQUIRED NPDES DOCUMENT AND OBTAIN THE NPDES PERMIT. ALL COST ASSOCIATED WITH SUCH WORK SHALL BE DEEMED INCIDENTAL TO THE PROJECT LUMP SUM COST.

B. GENERAL EROSION CONTROL NOTES

1. THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IS COMPRISED OF THESE EROSION CONTROL DRAWINGS, THE STANDARD DETAILS, THE NPDES PERMIT (TO BE OBTAINED BY CONTRACTOR) AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS.
2. ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THIS DRAWING AND THE STATE OF FLORIDA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES PERMIT) AND BECOME FAMILIAR WITH THEIR CONTENTS.
3. CONTRACTOR SHALL OBTAIN ANY NECESSARY DEWATERING PERMITS AS SITE CONDITIONS AND CONSTRUCTION ACTIVITIES REQUIRE.
4. CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES (BMP) IN ALL CONSTRUCTION ACTIVITIES INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
   a. FUEL SPILLS AND LEAKS PREVENTION
   b. PREVENT/REDUCE VEHICLE AND EQUIPMENT WASHING AND STEAM CLEANING
   c. VEHICLE AND EQUIPMENT MAINTENANCE AND REPAIR
   d. PROPER OUTDOOR LOADING/UNLOADING OF MATERIALS
   e. PREVENT/REDUCE OUTDOOR STORAGE OF RAW MATERIALS, PRODUCTS, AND BY-PRODUCTS
   f. SOLID WASTE MANAGEMENT
   g. HAZARDOUS WASTE MANAGEMENT
   h. CONCRETE WASTE MANAGEMENT
   i. SANDBLASTING WASTE MANAGEMENT
   j. STRUCTURE CONSTRUCTION AND PAINTING
   k. SPILL PREVENTION AND CONTROL
   l. CONTAMINATED SOIL MANAGEMENT
   m. SANITARY/SEPTIC WASTE MANAGEMENT
   n. SOIL EROSION CONTROL
   o. STORM WATER TURBIDITY MANAGEMENT
5. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST TO THE OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
6. BEST MANAGEMENT PRACTICES (BMPS) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY OR OWNER.
7. SITE MAP MUST CLEARLY DELINEATE ALL STATE WATERS. CONTRACTOR MUST MAINTAIN ALL PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED WETLANDS ON SITE AT ALL TIMES.
8. CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL OR AS REQUIRED BY THE GENERAL PERMIT.
9. CONTRACTOR SHALL BEGIN CLEARING AND GRUBBING THOSE PORTIONS OF THE SITE NECESSARY TO IMPLEMENT PERIMETER CONTROL MEASURES. CLEARING AND GRUBBING FOR THE REMAINING PORTIONS OF THE PROPOSED SITE SHALL COMMENCE ONCE PERIMETER CONTROLS ARE IN PLACE. PERIMETER CONTROLS SHALL BE ACTIVELY MAINTAINED UNTIL SAID AREAS HAVE BEEN STABILIZED AND SHALL BE REMOVED ONCE FINAL STABILIZATION IS COMPLETE.
10. GENERAL EROSION CONTROL BMPS SHALL BE EMPLOYED TO MINIMIZE SOIL EROSION AND POTENTIAL LAKE SLOPE CAVE-INS. WHILE THE VARIOUS TECHNIQUES REQUIRED WILL BE SITE AND PLAN SPECIFIC, THEY SHOULD BE EMPLOYED AS SOON AS POSSIBLE DURING CONSTRUCTION.
11. ON-SITE & OFF-SITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE SITE MAP AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.
12. SURFACE WATER QUALITY SHALL BE MAINTAINED BY EMPLOYING THE FOLLOWING BMP'S IN THE CONSTRUCTION PLANNING AND CONSTRUCTION OF ALL IMPROVEMENTS.
13. IT SHOULD BE NOTED THAT THE MEASURE IDENTIFIED ON THIS PLAN ARE ONLY SUGGESTED BMP(S). THE CONTRACTOR SHALL PROVIDE POLLUTION PREVENTION AND EROSION CONTROL MEASURES AS NECESSARY TO CONFORM TO CURRENT CITY, FDEP AND SFWMD CODES AND SPECIFICATIONS.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTION OF ANY EROSION OR WATER QUALITY PROBLEMS THAT RESULT FROM THE CONSTRUCTION ACTIVITIES.

C. STORM WATER EROSION CONTROL PRACTICES

1. CONTRACTORS OR SUBCONTRACTORS WILL BE RESPONSIBLE FOR REMOVING SEDIMENT FROM DETENTION PONDS AND ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE STABILIZATION OF THE SITE.
2. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
3. DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES (COMPOST SOCK DEVICES, ETC.) TO PREVENT EROSION.
4. WHERE PRACTICAL, STORMWATER SHALL BE CONVEYED BY SWALES.
5. EROSION CONTROL MEASURES SHALL BE EMPLOYED TO MINIMIZE TURBIDITY OF SURFACE WATERS LOCATED DOWNSTREAM OF ANY CONSTRUCTION ACTIVITY. WHILE THE VARIOUS MEASURES REQUIRED WILL BE SITE SPECIFIC, THEY SHALL BE EMPLOYED AS NEEDED IN ACCORDANCE WITH THE FOLLOWING:
   a. IN GENERAL, EROSION SHALL BE CONTROLLED AT THE FURTHEST PRACTICAL UPSTREAM LOCATION.
   b. STORMWATER INLETS SHALL BE PROTECTED DURING CONSTRUCTION. PROTECTION MEASURES SHALL BE EMPLOYED AS SOON AS PRACTICAL DURING THE VARIOUS STAGES OF INLET CONSTRUCTION. SILT BARRIERS SHALL REMAIN IN PLACE UNTIL SODDING AROUND INLETS IS COMPLETE.
   c. WHEN NEEDED A TEMPORARY SEDIMENT TRAP SHOLD BE CONSTRUCTED TO DETAIN SEDIMENT-LADEN RUNOFF FROM DISTURBED AREAS.
6. SILT BARRIERS, ANY SILT WHICH ACCUMULATES BEHIND THE BARRIERS, AND ANY FILL USED TO ANCHOR THE BARRIERS SHALL BE REMOVED PROMPTLY AFTER THE END OF THE MAINTENANCE PERIOD SPECIFIED FOR THE BARRIERS.
7. SLOPES OF BANKS OF RETENTION/DETENTION PONDS SHALL BE CONSTRUCTED NOT STEEPER THAN 3H:1V FROM TOP OF BANK TO TWO FEET BELOW NORMAL WATER LEVEL, AS APPLICABLE.
8. SOD SHALL BE PLACED FOR A 2-FOOT WIDE STRIP ADJOINING ALL CURBING AND AROUND ALL INLETS. SOD SHALL BE PLACED BEFORE SILT BARRIERS ARE REMOVED.
9. WHERE REQUIRED TO PREVENT EROSION FROM SHEET FLOW ACROSS BARE GROUND FROM ENTERING A LAKE OR SWALE, A TEMPORARY SEDIMENT SUMP SHALL BE CONSTRUCTED.
10. FILTER FABRIC SHOULD BE USED FOR STORM DRAIN INLET PROTECTION BEFORE FINAL STABILIZATION.
11. FLOATING TURBIDITY BARRIERS SHALL BE INSTALLED PRIOR TO CONSTRUCTION AND INSTALLATION OF DRAINAGE OUTFALL PIPE AND ENDWALL.
12. EXISTING DRAINAGE FLOW PATTERNS AND POSITIVE DRAINAGE TO EXISTING OUTFALLS SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
13. ALL NEW INLETS INSTALLED UNDER THIS PROJECT SHALL RECEIVE IN LET PROTECTIO

D. WIND EROSION CONTROL PRACTICES

1. WIND EROSION SHALL BE CONTROLLED BY EMPLOYING THE FOLLOWING METHODS AS NECESSARY AND APPROPRIATE:
   a. BARE EARTH AREAS SHALL BE WATERED DURING CONSTRUCTION AS NECESSARY TO MINIMIZE THE TRANSPORT OF FUGITIVE DUST. IT MAY BE NECESSARY TO LIMIT CONSTRUCTION VEHICLE SPEED IF BARE EARTH HAS NOT BEEN EFFECTIVELY WATERED. IN NO CASE SHALL FUGITIVE DUST BE ALLOWED TO LEAVE THE SITE UNDER CONSTRUCTION.
   b. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HASPERMANENTLY STOPPED SHALL BE PERMANENTLY SEEDED (SEE PERMANENT STABALIZATION PRACTICES FOR DETAILS). THESE AREAS SHALL BE SEEDED NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS. REFER TO THE GRADING PLAN AND/OR LANDSCAPE PLAN. CLEARED SITE DEVELOPMENT AREAS NOT CONTINUALLY SCHEDULED FOR CONSTRUCTION ACTIVITIES SHALL BE COVERED WITH HAY OR OVERSEEDED AND PERIODICALLY WATERED SUFFICIENTLY TO STABILIZE THE TEMPORARY GROUNDCOVER (SEE TEMPORARY STABALIZATION PRACTICES FOR DETAILS).
   c. AT ANY TIME BOTH DURING AND AFTER SITE CONSTRUCTION THAT WATERING AND/OR VEGETATION ARE NOT EFFECTIVE IN CONTROLLING WIND EROSION AND/OR TRANSPORT OF FUGITIVE DUST, OTHER METHODS AS ARE NECESSARY FOR SUCH CONTROL SHALL BE EMPLOYED. THESE METHODS SHOULD INCLUDE ERECTION OF DUST CONTROL FENCES. A 6-FT GEOTEXTILE FILTER FIBER SHOULD BE HANGING AGAINST THE EXISTING CHAIN LINK FENCE AND GATE.
2. ALL DUST ON THE SITE SHALL BE CONTROLLED. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.

E. STABILIZATION PRACTICES

1. SHALL BE IN ACCORDANCE WITH DEP DOCUMENT NO 62-621.300(4)(a).
2. DISTURBED PORTIONS OF SITE WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASE FOR AT LEAST 21 DAYS, SHALL BE STABILIZED WITH TEMPORARY SEED AND MULCH NO LATER THAN 14 DAYS FROM THE LAST CONSTRUCTION ACTIVITY IN THAT AREA.
3. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY PERMANENTLY CEASE SHALL BE STABILIZED WITH SOD NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY.

F. STRUCTURAL PRACTICES

1. SHALL BE IN ACCORDANCE WITH DEP DOCUMENT NO 62-621.300(4)(a)

G. WASTE DISPOSAL

1. WASTE MATERIALS – ALL WASTE MATERIALS SHALL BE COLLECTED AND STORED IN A METAL DUMPSTER WITH A SECURE LID IN ACCORDANCE WITH ALL LOCAL AND STATE LAWS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE SHALL BE DEPOSITED IN THE DUMPSTER. THE SUPERINTENDENT SHALL COORDINATE WITH THE LOCAL UTILITIES TO HAVE THE DUMPSTER EMPTIED AT LEAST TWICE A WEEK AND THE WASTE TAKEN TO AN APPROPRIATE LANDFILL. NO CONSTRUCTION WASTE MATERIALS SHALL BE BURIED ON SITE. THE SUPERINTENDENT SHALL ORGANIZE TRAINING FOR THE EMPLOYEES IN THE PROPER PRACTICES WHEN DEALING WITH WASTE MATERIALS. THE SUPERINTENDENT SHALL BE RESPONSIBLE FOR POSTING AND ENFORCING WASTE MATERIAL PROCEDURES.
2. HAZARDOUS WASTE – HAZARDOUS WASTE MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL LOCAL AND STATE LAWS OR AS DIRECTED BY THE MANUFACTURER. THE SUPERINTENDENT SHALL ORGANIZE THE PROPER TRAINING FOR EMPLOYEES IN THE PROPER PRACTICES WHEN DEALING WITH HAZARDOUS WASTE MATERIALS. THESE PROCEDURES SHALL BE POSTED ON THE SITE. THE PERSON WHO MANAGES THE SITE SHALL BE RESPONSIBLE FOR ENFORCING THE PROCEDURES.
3. SANITARY WASTE – SANITARY WASTE SHALL BE COLLECTED AND DISPOSED OF IN ACCORDANCE WITH ALL LOCAL AND STATE LAWS. THE SUPERINTENDENT SHALL COORDINATE WITH THE LOCAL UTILITY FOR COLLECTION OF THE SANITARY WASTE AT LEAST THREE TIMES A WEEK TO PREVENT SPILLAGE ONTO THE SITE.
4. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.

H. OFFSITE TRACKING

1. STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROVIDED TO REDUCE SEDIMENT TRACKING OFFSITE. THE MAJOR ROAD CONNECTED TO THE PROJECT SHALL BE CLEANED ONCE A DAY TO REMOVE ANY EXCESS MUD, DIRT OR ROCK RESULTING FROM CONSTRUCTION TRAFFIC. ALL TRUCKS HAULING MATERIALS OFFSITE SHALL BE COVERED WITH A TARPAULIN.
2. GENERAL CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA, EMPLOYEE PARKING AREA, AND AREA FOR LOCATION PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIES. HEAVY CONSTRUCTION EQUIPMENT PARKING AND MAINTENANCE AREAS SHALL BE DESIGNED TO PREVENT OIL, GREASE, AND LUBRICANTS FROM ENTERING SITE DRAINAGE FEATURES INCLUDING STORMWATER COLLECTION AND TREATMENT SYSTEMS. CONTRACTORS SHALL PROVIDE BROAD DIKES, HAY BALES OR SILT SCREENS AROUND, AND SEDIMENT SUMPS WITHIN, SUCH AREAS AS REQUIRED TO CONTAIN SPILLS OF OIL, GREASE OR LUBRICANTS. CONTRACTORS SHALL HAVE AVAILABLE, AND SHALL USE, ABSORBENT FILTER PADS TO CLEAN UP SPILLS AS SOON AS POSSIBLE AFTER OCCURENCE.
3. ALL WASH WATER FROM CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC. SHALL BE DETAINED ON SITE AND SHALL BE PROPERLY TREATED OR DISPOSED.
4. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE.
5. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.

I. MAINTENANCE

1. ALL MEASURES STATED ON THIS EROSION AND SEDIMENT CONTROL PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A 0.5" RAINFALL EVENT, AND CLEANED AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:
   a. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING, OR DETERIORATION.
   b. ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED, AND RESEEDED AS NEEDED.
   c. THE COMPOST ROCK FILTRATION DEVICE SHALL BE INSPECTED PERIODICALLY FOR HEIGHT OF SEDIMENT AND CONDITION OF DEVICE. COMPOST SOCK SHALL BE REPAIRED TO ITS ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE COMPOST SOCK WHEN IT REACHES ONE-THIRD THE HEIGHT OF THE COMPOST SOCK.
   d. THE CONSTRUCTION ENTRANCES SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION ENTRANCES AS CONDITIONS DEMAND.
   e. THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AS CONDITIONS DEMAND.
   f. OUTLET STRUCTURES IN THE SEDIMENTATION BASINS SHALL BE MAINTAINED IN OPERATIONAL CONDITIONS AT ALL TIMES. THE SEDIMENT BASINS/DITCHES SHALL BE CHECKED MONTHLY FOR DEPTH OF SEDIMENT. SEDIMENT SHALL BE REMOVED FROM SEDIMENT BASINS OR TRAPS WHEN THE DESIGN CAPACITY HAS BEEN REDUCED BY 10% AND AFTER CONSTRUCTION IS COMPLETE.
   g. ALL MAINTENANCE OPERATIONS SHALL BE DONE IN A TIMELY MANNER BUT IN NO CASE LATER THAN SEVEN CALENDAR DAYS FOLLOWING THE INSPECTION.DIVERSION DIKES SHALL BE INSPECTED MONTHLY. ANY BREACHES SHALL BE PROMPTLY REPAIRED.
   h. A MAINTENANCE REPORT SHALL BE COMPLETED DAILY AFTER EACH INSPECTION OF THE SEDIMENT AND EROSION CONTROL METHODS. THE REPORTS SHALL BE FILED IN AN ORGANIZED MANNER AND RETAINED ON-SITE DURING CONSTRUCTION. AFTER CONSTRUCTION IS COMPLETED, THE REPORTS SHALL BE SAVED FOR AT LEAST THREE YEARS. THE REPORTS SHALL BE AVAILABLE FOR ANY AGENCY THAT HAS JURISDICTION OVER EROSION CONTROL.
   i. ALL REPAIRS MUST BE MADE WITHIN 24 HOURS OF REPORT.
   j. THE SUPERINTENDENT SHALL ORGANIZE THE TRAINING FOR INSPECTION PROCEDURES AND PROPER EROSION CONTROL METHODS FOR EMPLOYEES THAT COMPLETE INSPECTIONS AND REPORTS.
   k. SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE.
2. THE EROSION CONTROL FEATURES INSTALLED BY THE CONTRACTOR SHALL BE ACCEPTABLY MAINTAINED BY THE CONTRACTOR DURING THE CONSTRUCTION PERIOD.

J. SPILL PREVENTION AND CONTROL

THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF.

1. GOOD HOUSEKEEPING
   a. SUPERINTENDENT SHALL INSPECT PROJECT AREA DAILY FOR PROPER STORAGE, USE, AND DISPOSAL OF CONSTRUCTION MATERIALS.
   b. STORE ONLY ENOUGH MATERIAL ON SITE FOR PROJECT COMPLETION.
   c. ALL SUBSTANCES SHOULD BE USED BEFORE DISPOSAL OF CONTAINER.
   d. ALL CONSTRUCTION MATERIALS STORED SHALL BE ORGANIZED AND IN THE PROPER CONTAINER AND IF POSSIBLE, STORED UNDER A ROOF OR PROTECTIVE COVER.
   e. PRODUCTS SHALL NOT BE MIXED UNLESS DIRECTED BY THE MANUFACTURER.
   f. ALL PRODUCTS SHALL BE USED AND DISPOSED OF ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.
   g. PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL.
2. HAZARDOUS PRODUCTS
   a. MATERIALS SHOULD BE KEPT IN ORIGINAL CONTAINER WITH LABELS UNLESS THE ORIGINAL CONTAINERS CANNOT BE RESEALED. IF ORIGINAL CONTAINERS CANNOT BE USED, LABELS AND PRODUCT INFORMATION SHALL BE SAVED.
   b. PROPER DISPOSAL PRACTICES SHALL ALWAYS BE FOLLOWED IN ACCORDANCE WITH MANUFACTURER AND LOCAL/STATE REGULATIONS.
3. PRODUCT SPECIFIC PRACTICES
   a. PETROLEUM PRODUCTS MUST BE STORED IN PROPER CONTAINERS AND CLEARLY LABELED. VEHICLES CONTAINING PETROLEUM PRODUCTS SHALL BE PERIODICALLY INSPECTED FOR LEAKS. PRECAUTIONS SHALL BE TAKEN TO AVOID LEAKAGE OF PETROLEUM PRODUCTS ON SITE.
   b. THE MINIMUM AMOUNT OF FERTILIZER SHALL BE USED AND MIXED INTO THE SOIL IN ORDER TO LIMIT EXPOSURE TO STORM WATER. FERTILIZERS SHALL BE STORED IN A COVERED SHED. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER SHALL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.
   c. PAINT CONTAINERS SHALL BE SEALED AND STORED WHEN NOT IN USE. EXCESS PAINT MUST BE DISPOSED OF IN AN APPROVED MANNER.
   d. EXCESS PAINT WILL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURER'S INSTRUCTIONS OR STATE AND LOCAL REGULATIONS.
   e. CONCRETE TRUCKS SHALL NOT BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON THE SITE.

K. SPILL CLEAN UP

1. IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED ABOVE, THE FOLLOWING PRACTICES SHALL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:
   a. SPILL CLEANUP INFORMATION SHALL BE POSTED ON SITE TO INFORM EMPLOYEES ABOUT CLEANUP PROCEDURES AND RESOURCES.
   b. THE FOLLOWING CLEAN-UP EQUIPMENT MUST BE KEPT ON-SITE NEAR THE MATERIAL STORAGE AREA: GLOVES, MOPS, RAGS, BROOMS, DUST PANS, SAND, SAWDUST, LIQUID ABSORBER, GOGGLES, AND TRASH CONTAINERS.
   c. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ONSITE AND READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
   d. ALL SPILLS SHALL BE CLEANED UP AS SOON AS POSSIBLE.
   e. WHEN CLEANING A SPILL, THE AREA SHOULD BE WELL VENTILATED AND THE EMPLOYEE SHALL WEAR PROPER PROTECTIVE COVERING TO PREVENT INJURY.
   f. TOXIC SPILLS MUST BE REPORTED TO THE PROPER AUTHORITY REGARDLESS OF THE SIZE OF THE SPILL.
   g. AFTER A SPILL, THE PREVENTION PLAN SHALL BE REVIEWED AND CHANGED TO PREVENT FURTHER SIMILAR SPILLS FROM OCCURRING. THE CAUSE OF THE SPILL, MEASURES TO PREVENT IT, AND HOW TO CLEAN THE SPILL UP SHALL BE RECORDED.
   h. THE SUPERINTENDENT SHALL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR AND IS RESPONSIBLE FOR THE DAY TO DAY SITE OPERATIONS. THE SUPERINTENDENT ALSO OVERSEES THE SPILL PREVENTION PLAN AND SHALL BE RESPONSIBLE FOR EDUCATING THE EMPLOYEES ABOUT SPILL PREVENTION AND CLEANUP PROCEDURES.

L. SEQUENCE OF CONSTRUCTION

1. UPON IMPLEMENTATION AND INSTALLATION OF THE FOLLOWING AREAS: TRAILER, PARKING, LAY DOWN, PORTA-POTTY, WHEEL WASH, CONCRETE WASHOUT, FUEL AND MATERIAL STORAGE CONTAINERS, SOLID WASTE CONTAINERS, ETC., IMMEDIATELY DENOTE THEM ON THE SITE MAPS AND NOTE ANY CHANGES IN LOCATION AS THEY OCCUR THROUGHOUT THE CONSTRUCTION PROCESS.
   a. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE, AND INSTALL INLET PROTECTION, TURBIDITY BARRIERS, AND SILT FENCE
   b. DEMOLISH EXISTING STRUCTURES, (IF APPLICABLE)
   c. INSTALL AND STABILIZE ANY NECESSARY HYDRAULIC CONTROL STRUCTURES (DIKES, CHECK DAMS, OUTLET TRAPS, ETC.)
   d. PREPARE CLEARING AND GRUBBING OF THE SITE, (IF APPLICABLE)
   e. PERFORM MASS GRADING, ROUGH GRADE TO ESTABLISH PROPOSED DRAINAGE PATTERNS
   f. TEMPORARILY SEED, THROUGHOUT CONSTRUCTION, DISTURBED AREAS THAT WILL BE INACTIVE FOR 7 DAYS OR MORE AS REQUIRED BY GENERIC PERMIT
2. IN THE EVENT OF BMP ISSUES, HALT ALL ACTIVITIES AND CONTACT THE CIVIL ENGINEER CONSULTANT TO PERFORM INSPECTION AND CERTIFICATION OF BMPS. GENERAL CONTRACTOR SHALL SCHEDULE AND CONDUCT STORM WATER PRE-CONSTRUCTION MEETING WITH ENGINEER AND ALL GROUND DISTURBING CONTRACTORS BEFORE PROCEEDING WITH CONSTRUCTION.
3. CONTRACTOR TO BE RESPONSIBLE FOR OBTAINING ALL DEWATERING PERMITS NECESSARY FOR CONSTRUCTION.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER

KHA PROJECT 043145105
DATE MAY 2025
SCALE AS SHOWN
DESIGNED BY TS
DRAWN BY DM
CHECKED BY SV

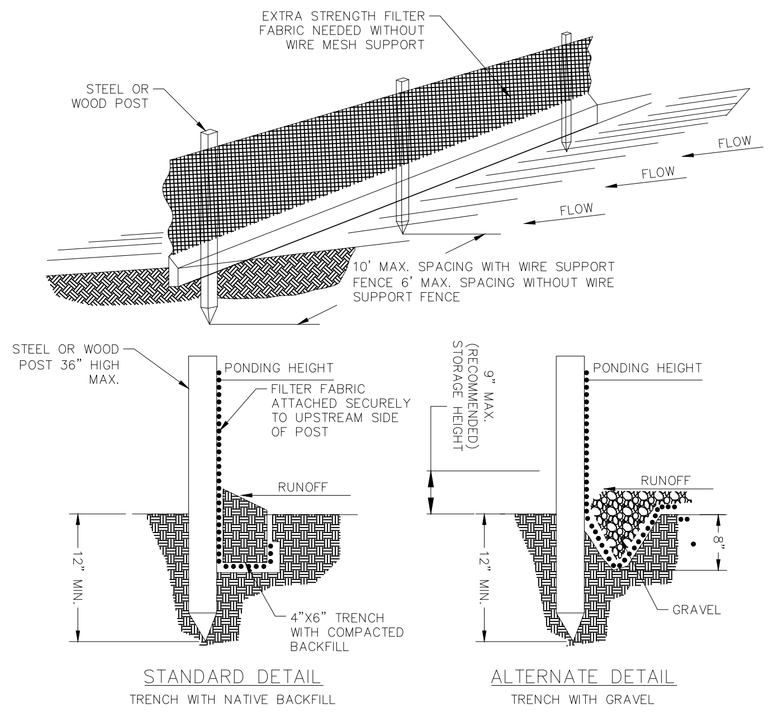
DEMOLITION AND EROSION CONTROL NOTES

SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER C202.16

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG It's fast. It's free. It's the law. www.callsunshine.com

Plotted By:Beziner, Eliana Sheet Set:SAGA BAY DRAINAGE IMPROVEMENTS Layout:C202.16 Demolition and Erosion Control Notes August 05, 2025 12:16:09pm K:\ftl_civil\043 jobs\043145105 saga bay drainage improvements\CAD\plansheets\C201.1 Demolition and Erosion Control Notes.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



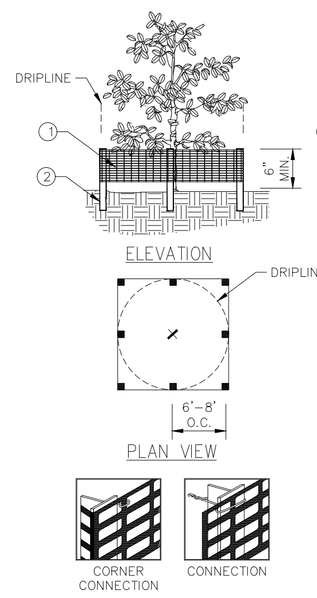
STANDARD DETAIL
TRENCH WITH NATIVE BACKFILL

ALTERNATE DETAIL
TRENCH WITH GRAVEL

NOTE:

1. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY.
2. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
3. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.

SILT FENCE DETAIL
NOT TO SCALE



1. 6'H "PERIMETER PLUS" CONSTRUCTION FENCE BY CONWED PLASTICS OR OWNER'S REPRESENTATIVE APPROVED EQUAL. SUBMIT PRODUCT INFORMATION FOR APPROVAL PRIOR TO INSTALLATION.
2. 8' TALL METAL "T" POSTS OR 2" x 2" X 8' PRESSURE TREATED WOOD POSTS WITH 24" BURIAL BELOW GRADE.

NOTES:

1. POST SELECTION SHOULD BE BASED ON EXPECTED STRENGTH NEEDS AND THE LENGTH OF TIME FENCE WILL BE IN PLACE. FLEXIBLE FIBERGLASS ROD POSTS ARE RECOMMENDED FOR PARKS, ATHLETIC EVENTS AND CROWD CONTROL INSTALLATIONS. METAL "T" POSTS OR TREATED WOOD POSTS ARE TYPICALLY USED FOR CONSTRUCTION AND OTHER APPLICATIONS.
2. POSTS SHOULD BE DRIVEN INTO THE GROUND TO A DEPTH OF 1/4 OF THE HEIGHT OF THE POST. FOR EXAMPLE, A 8' POST SHOULD BE SET AT LEAST 2' INTO THE GROUND.
3. SPACE POSTS EVERY 6' (MIN.) TO 8' (MAX.).
4. SECURE FENCING TO POST WITH NYLON CABLE TIES (AVAILABLE FROM CONWED PLASTICS). WOOD STRIPS MAY BE ALSO BE USED TO PROVIDE ADDITIONAL SUPPORT AND PROTECTION BETWEEN TIES AND POSTS.
5. IF WIRE TIES ARE USED, AVOID DIRECT CONTACT WITH FENCE. WIRE MAY DAMAGE FENCE OVER TIME.

TREE/SHRUB PROTECTION
NOT TO SCALE

NOTES:

1. CONTRACTOR SHALL PERFORM DAILY INSPECTIONS OF GEO-TEXTILE FABRIC BARRIER AND AS NECESSARY REPLACE OR REPAIR AS REQUIRED, SPECIFICALLY AFTER STORM EVENTS AND LARGE RAINFALL EVENTS.
2. SEDIMENTATION AND DEBRIS THAT ARE REMOVED FROM BARRIERS SHALL BE LEGALLY DISPOSED OF AT AN AUTHORIZED OFF-SITE DISPOSAL FACILITY.

DROP INLET SEDIMENT BARRIER
NOT TO SCALE

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: 10/1/2025

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

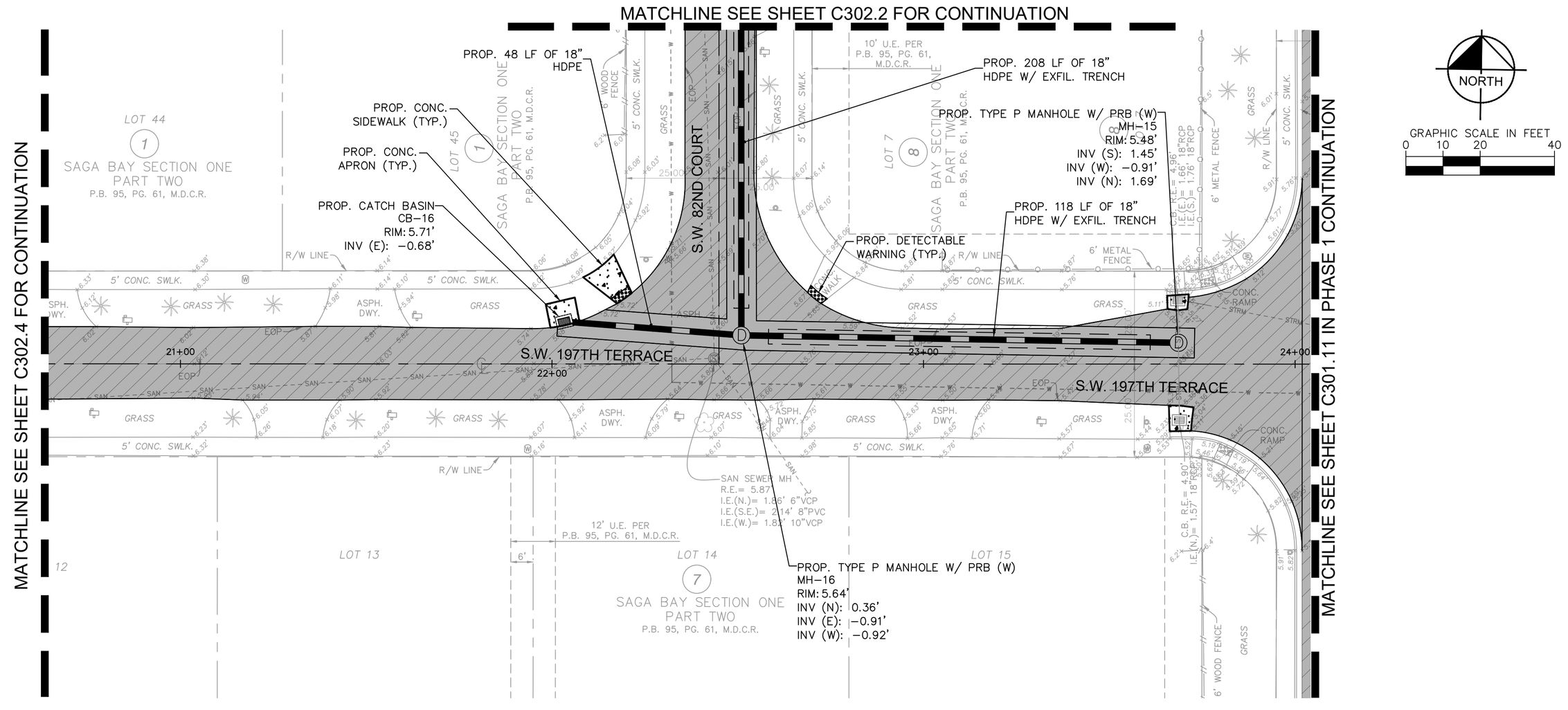
DEMOLITION AND EROSION CONTROL DETAILS

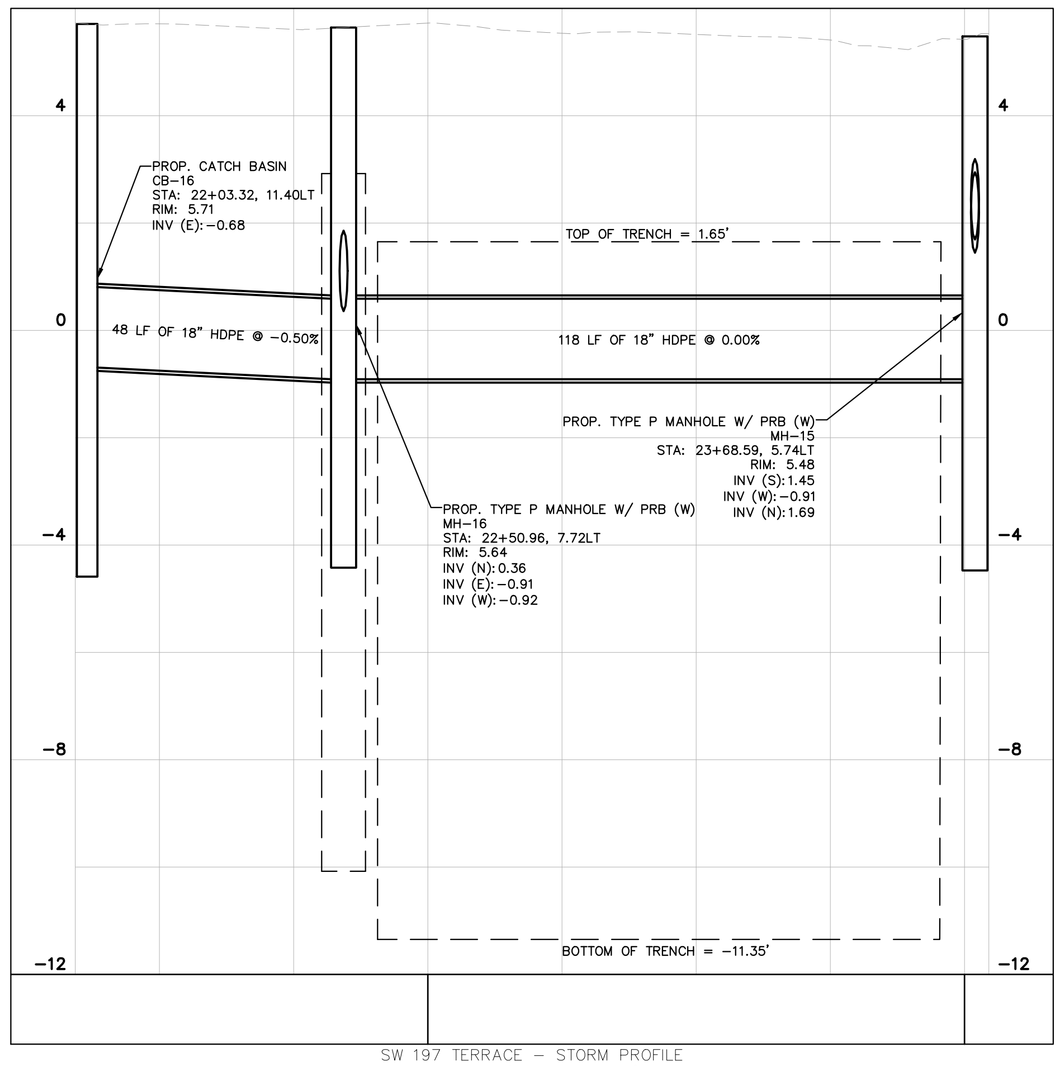
SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C202.17

811 KNOW WHAT'S BELOW CALL 811 BEFORE YOU DIG
It's fast, it's free, it's the law.
www.callsunshine.com

Plotted By:Rainier Flores Sheet Set:SAGA BAY DRAINAGE IMPROVEMENTS Layout:C202.17 Demolition and Erosion Control Details August 05, 2025 12:16:16pm K:\MIA_civil\043145105 saga bay drainage improvements\CAD\sheetsets\C0201 Demolition and Erosion Control Notes.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



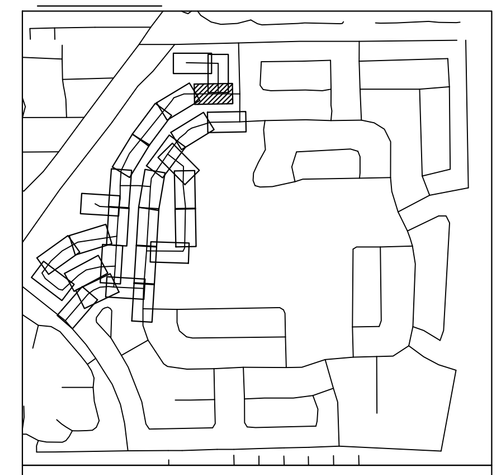


SW 197 TERRACE – STORM PROFILE
STA 2234' TO STA 2405'
1"=20' (HORZ.)
1"=2' (VERT)

NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER

KHA PROJECT 043145105	
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

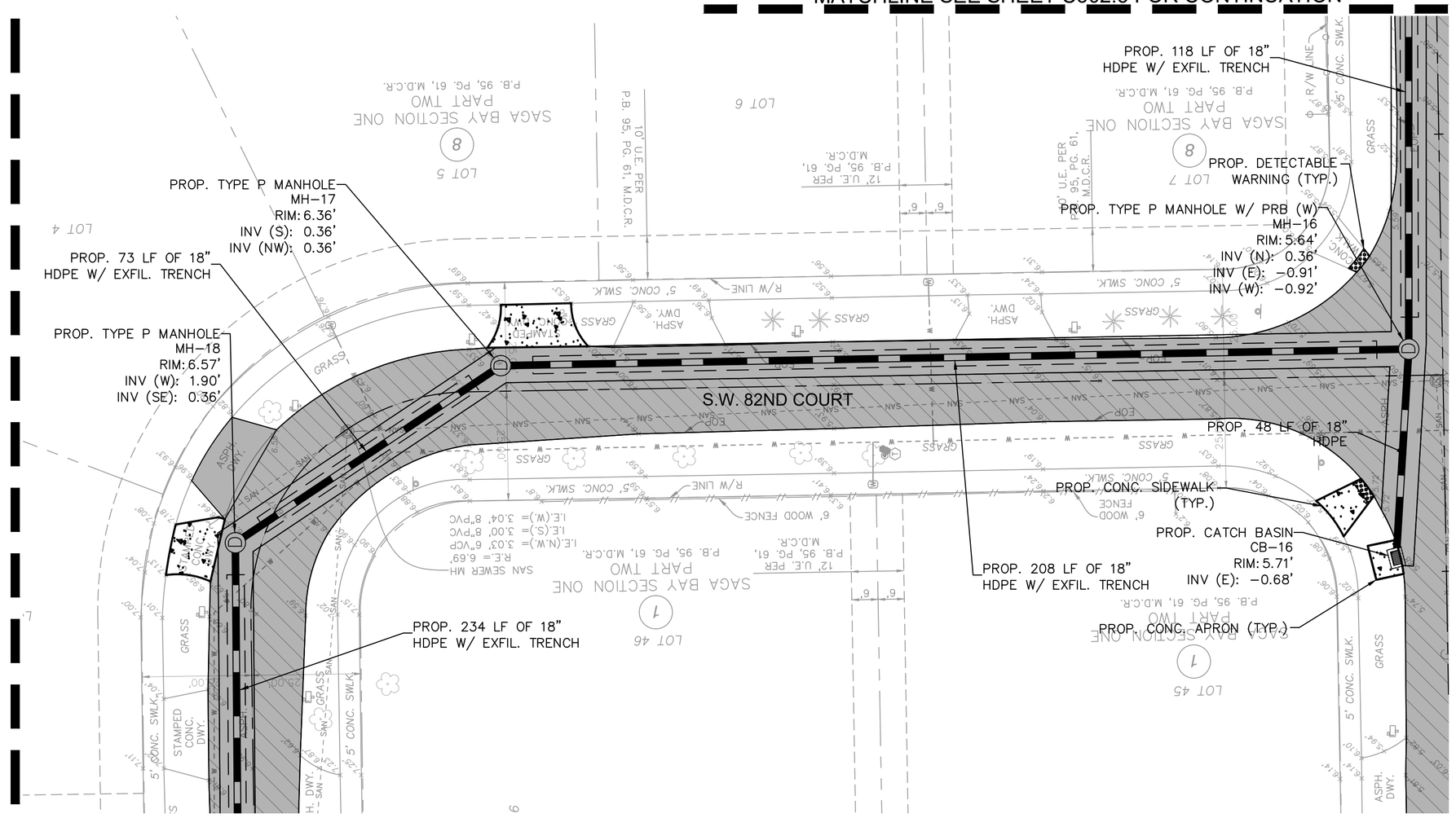
PAVING GRADING AND DRAINAGE PLAN

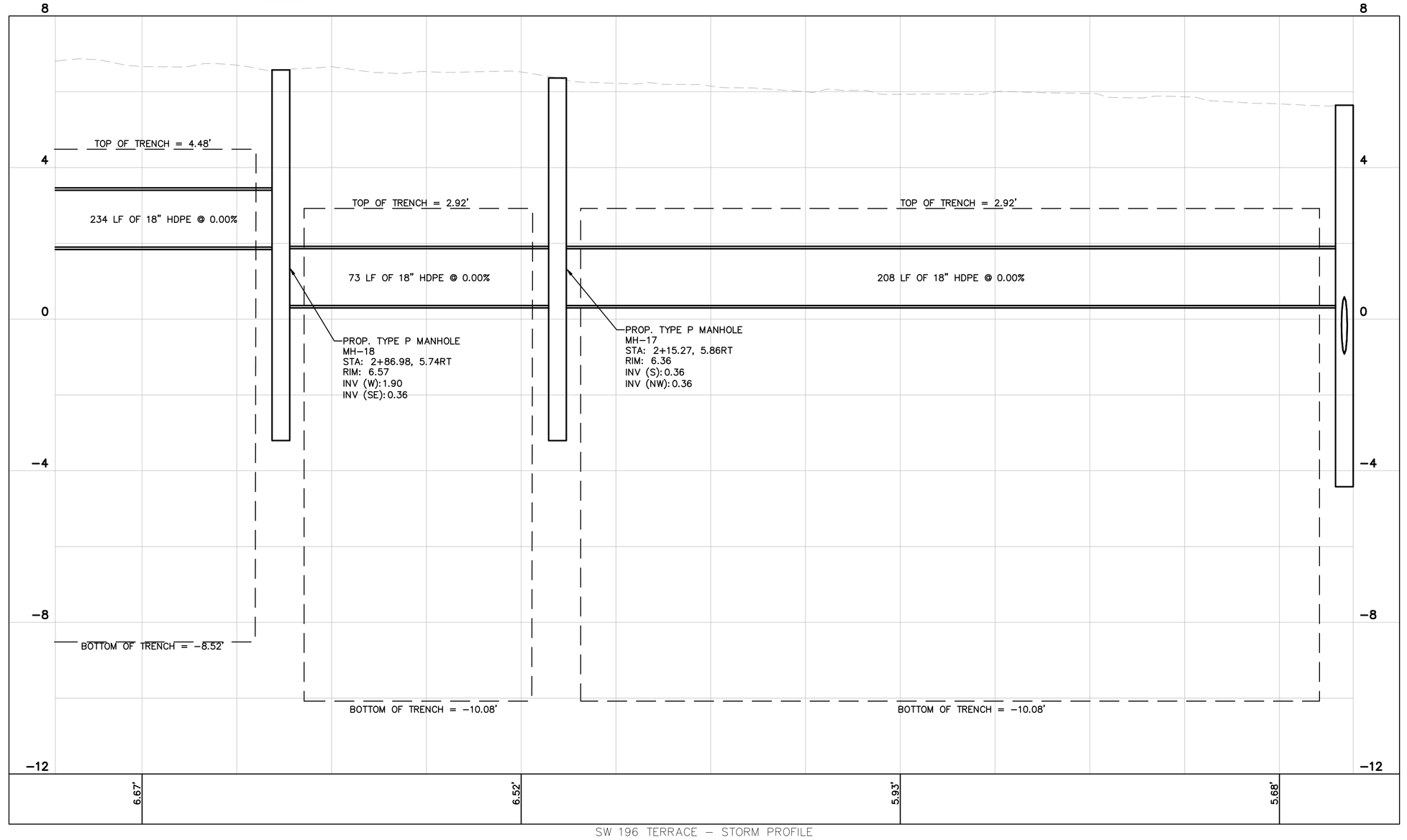
SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C302.1

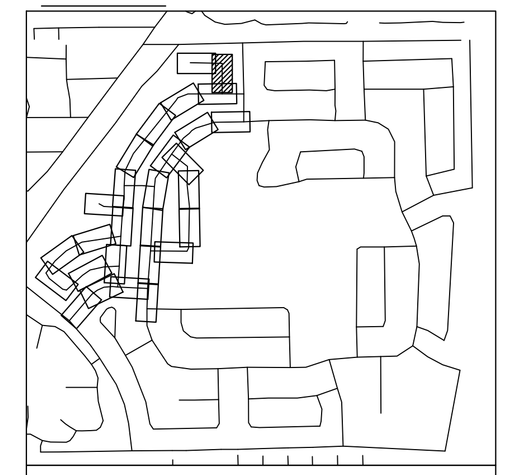
KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG!
811 Sunshine 811 It's free. It's the law.
www.sunshine811.com

Plotted By:Rainier, Flores Sheet Set:SAGA BAY DRAINAGE IMPROVEMENTS Layout:C302.1 Paving Grading and Drainage Plan August 06, 2025 - 12:16:46pm K:\Mia_civil\043_jobs\043145105_saga bay drainage improvement\a\CAD\plansheet\C300.1 Paving, Grading, and Drainage Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.





SW 196 TERRACE – STORM PROFILE
STA 177' TO STA 519'
1"=20' (HORZ.)
1"=2' (VERT)



GRAPHIC SCALE IN FEET
0 10 20 40

LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

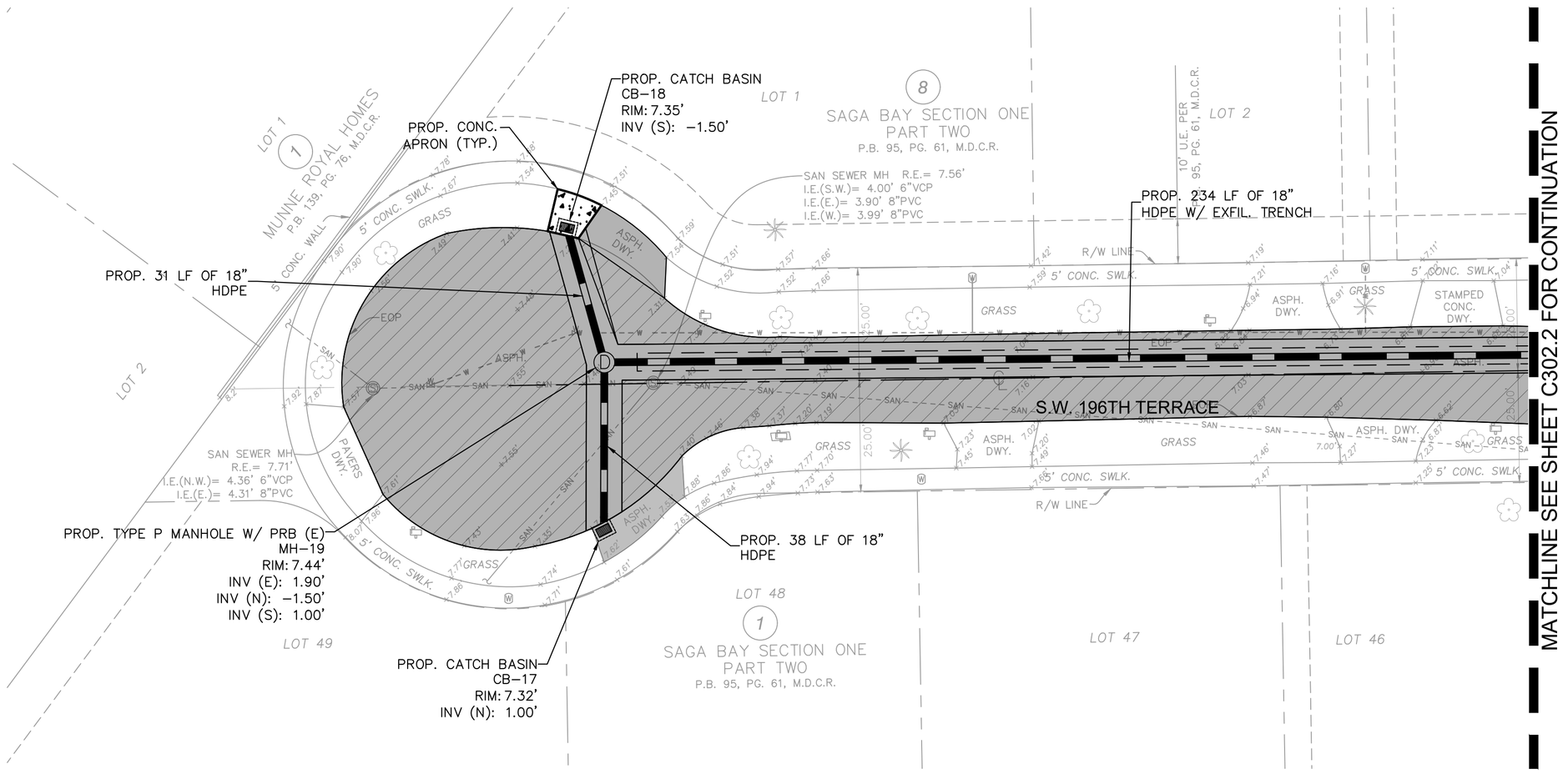
PAVING GRADING AND DRAINAGE PLAN

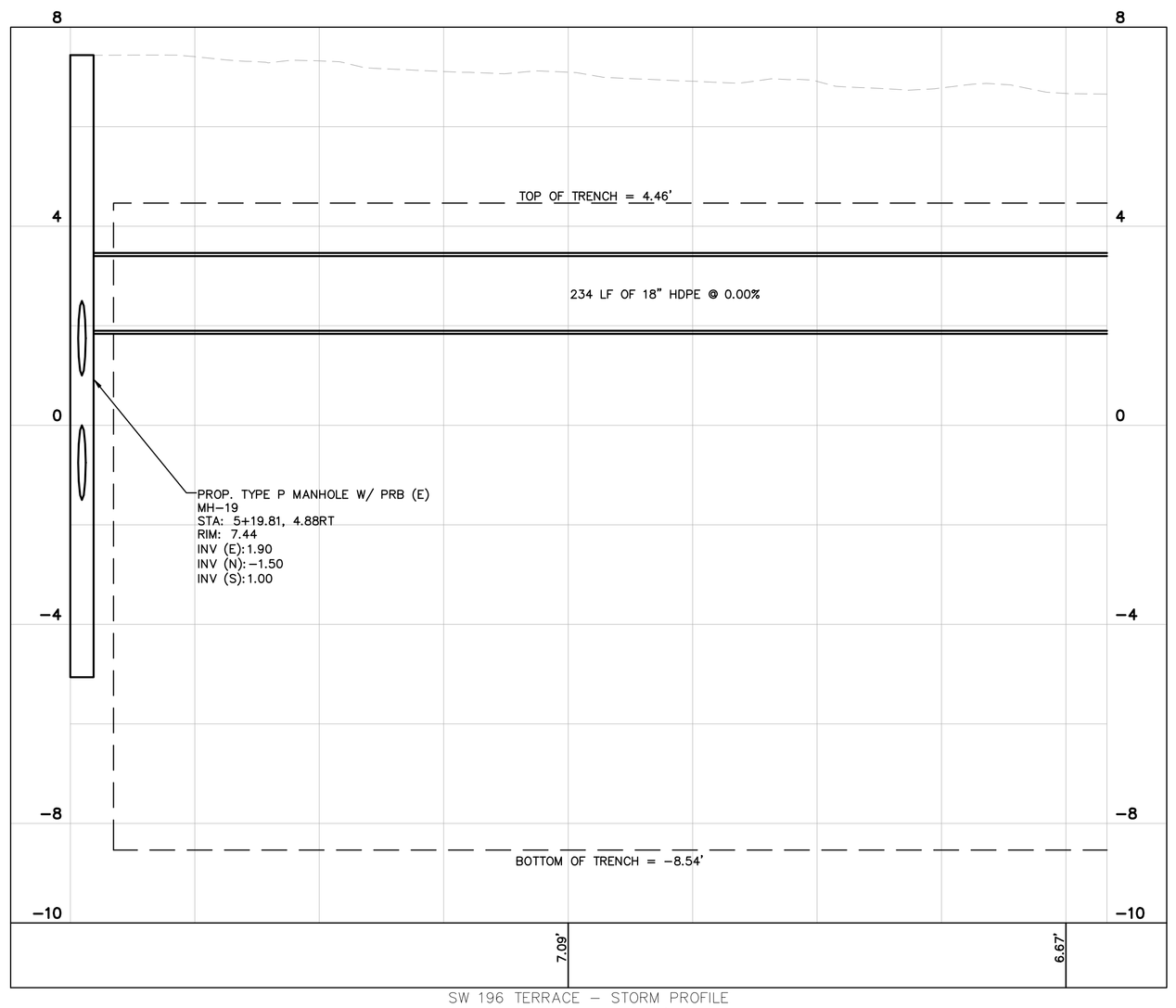
SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C302.2

811 KNOW WHAT'S BELOW CALL BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

Plotted By: Beatrice Filipov, Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS, Layout: C302.2 Paving, Grading and Drainage Plan, August 05, 2025 - 12:16:58pm, K:\MI_dlab\043_Jobs\043145105_saga bay drainage improvements\CAD\plans\sheet\C302.1 Paving, Grading, and Drainage Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.
Town of Cutler Bay | ITB No. 25-04
Saga Bay Drainage Improvements Project
Page 242 of 325



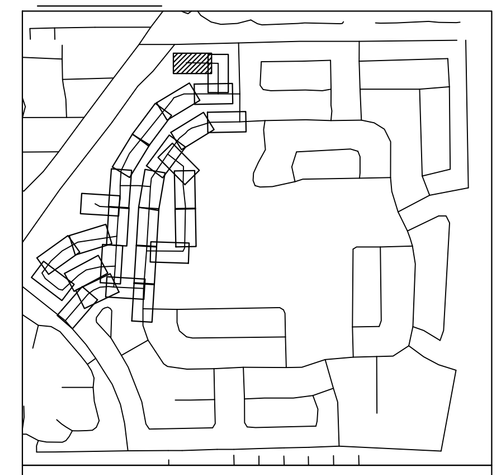


SW 196 TERRACE – STORM PROFILE
STA 0' TO STA 208'
1"=20' (HORZ.)
1"=2' (VERT)

NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON ★ LICENSE No 85268 ★ STATE OF FLORIDA ★ PROFESSIONAL ENGINEER
DATE:

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

PAVING GRADING AND DRAINAGE PLAN

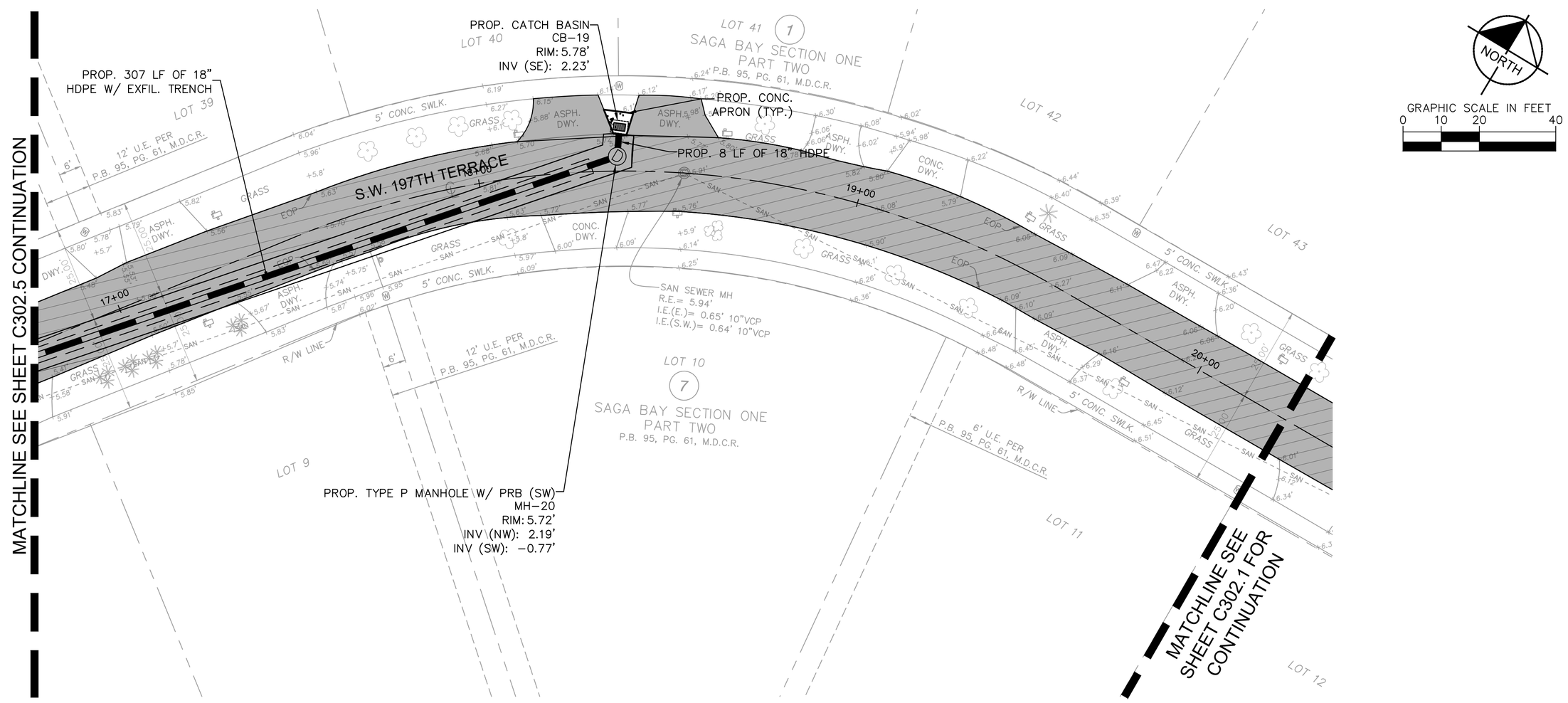
SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY

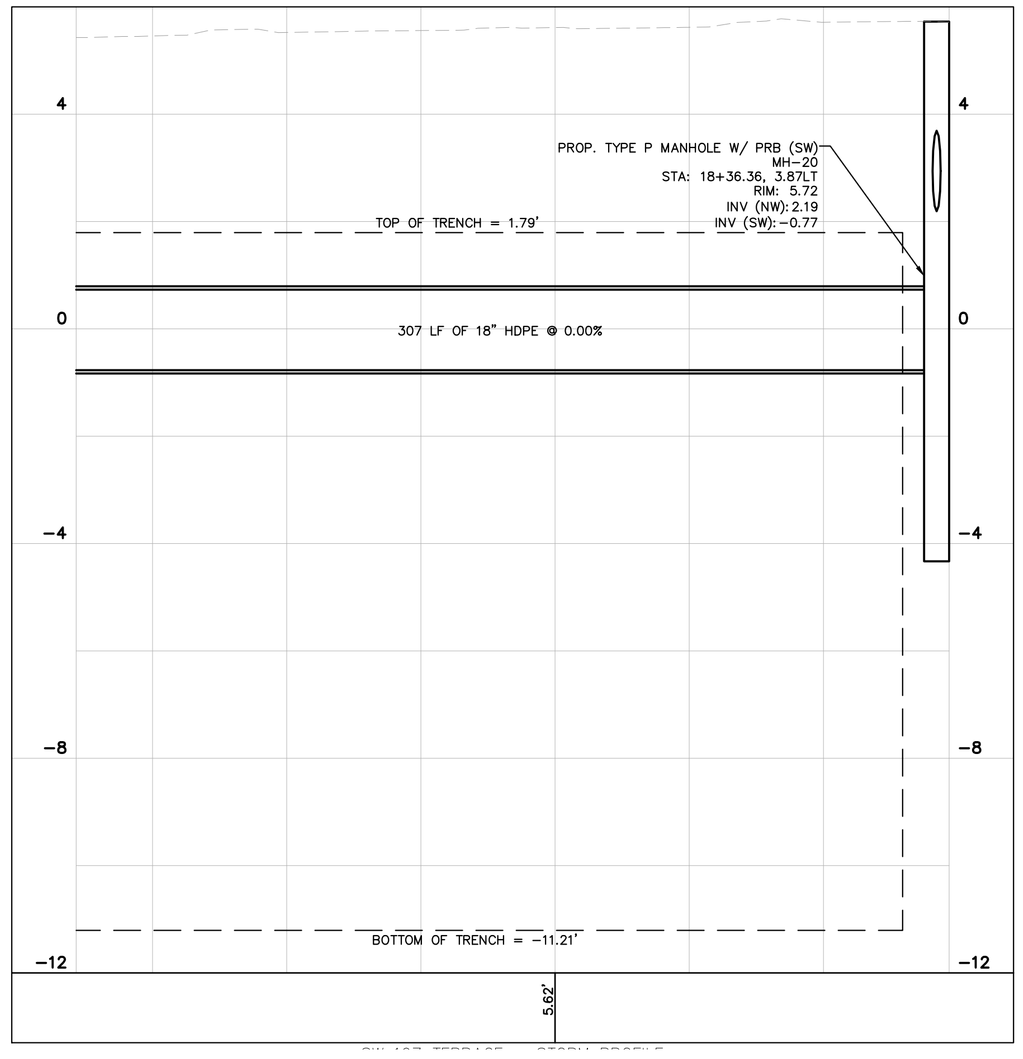
CUTLER BAY FLORIDA

SHEET NUMBER
C302.3

811 KNOW WHAT'S BELOW CALL OR CLICK BEFORE YOU DIG
It's the law. It's free. It's the law.
www.callsunshine.com

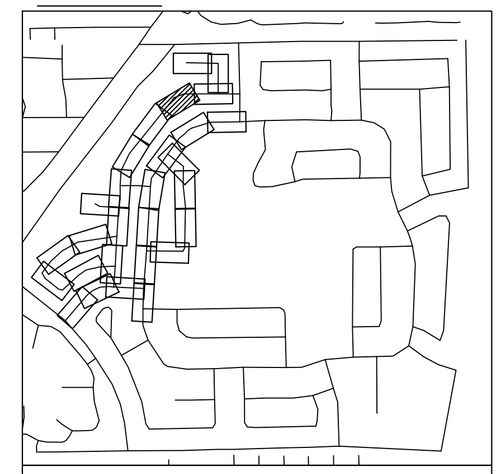
Plotted By: Rapinder Flora Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C302.3 Paving Grading and Drainage Plan August 05, 2025 12:17:08pm K:\FTL_civil\043145105_saga bay drainage improvements\CAD\plansheets\C300.1 Paving, Grading, and Drainage Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.





GRAPHIC SCALE IN FEET
0 10 20 40

KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: 12/17/2025

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

PAVING GRADING AND DRAINAGE PLAN

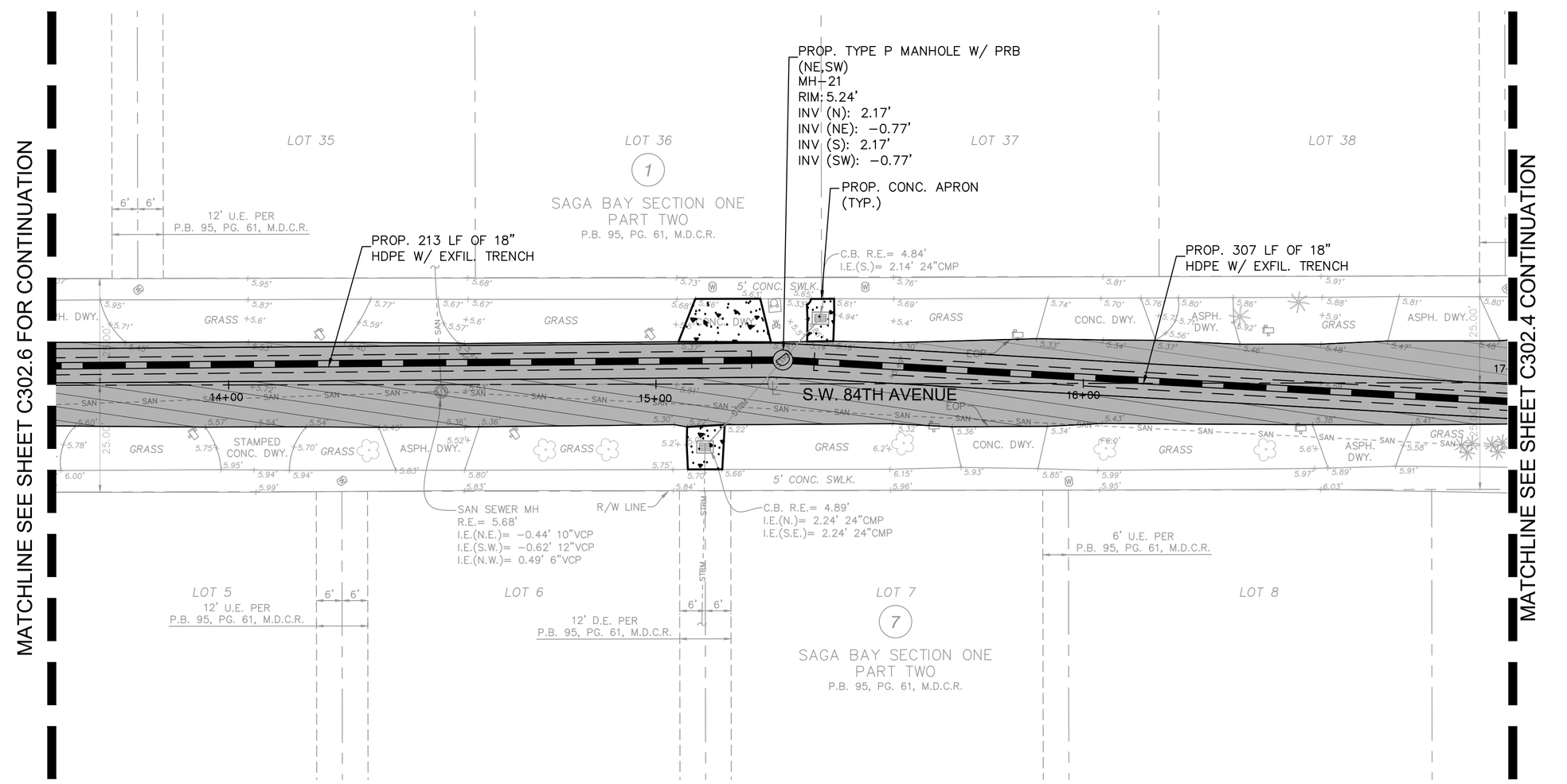
SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C302.4

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
www.callbeforeyoudig.com

Plotted By:Raphael Filpo Sheet Set:SAGA BAY DRAINAGE IMPROVEMENTS Layout:C302.4 Paving Grading and Drainage Plan August 06, 2025 12:17:18pm K:\FTL_civil\043_jobs\043145105_saga bay drainage improvements\a\CAD\plansheets\C3001 Paving, Grading, and Drainage Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Town of Cutler Bay | ITB No. 25-04
Saga Bay Drainage Improvements
Page 244 of 329
Construction Project

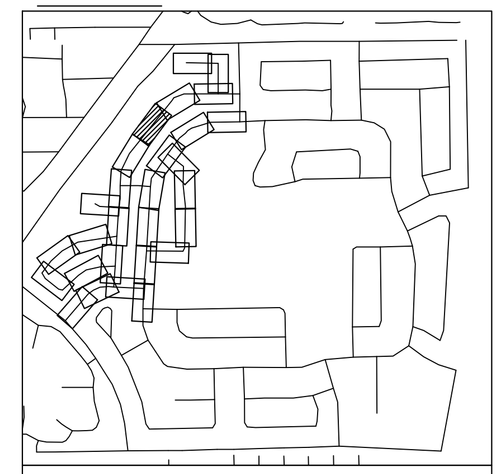


SW 197 TERRACE – STORM PROFILE
STA 1395' TO STA 1734'
1"=20' (HORZ.)
1"=2' (VERT)

GRAPHIC SCALE IN FEET
0 10 20 40

NORTH

KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.

KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
www.callbeforeyoudig.com

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: 12/17/2025

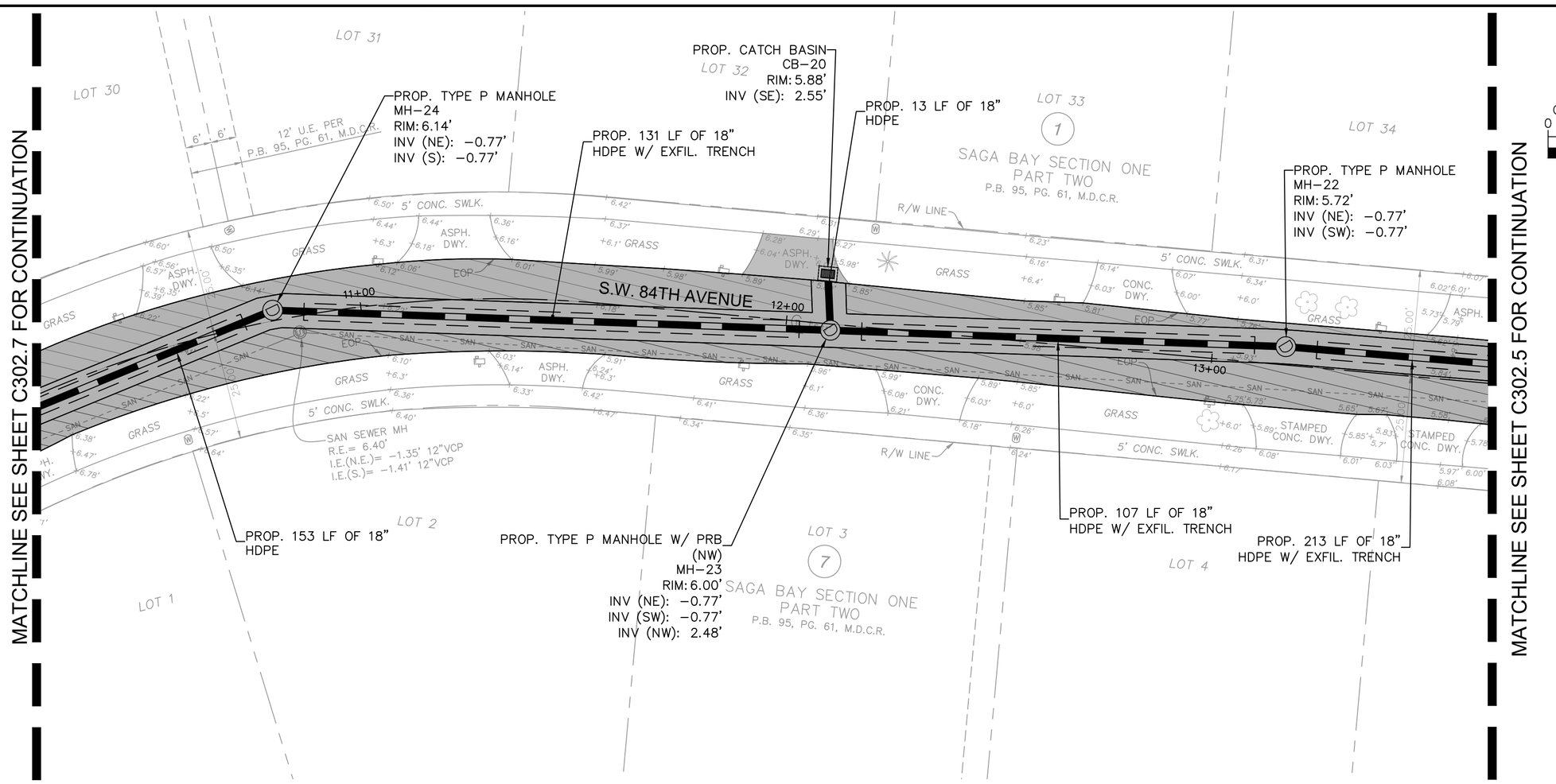
KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

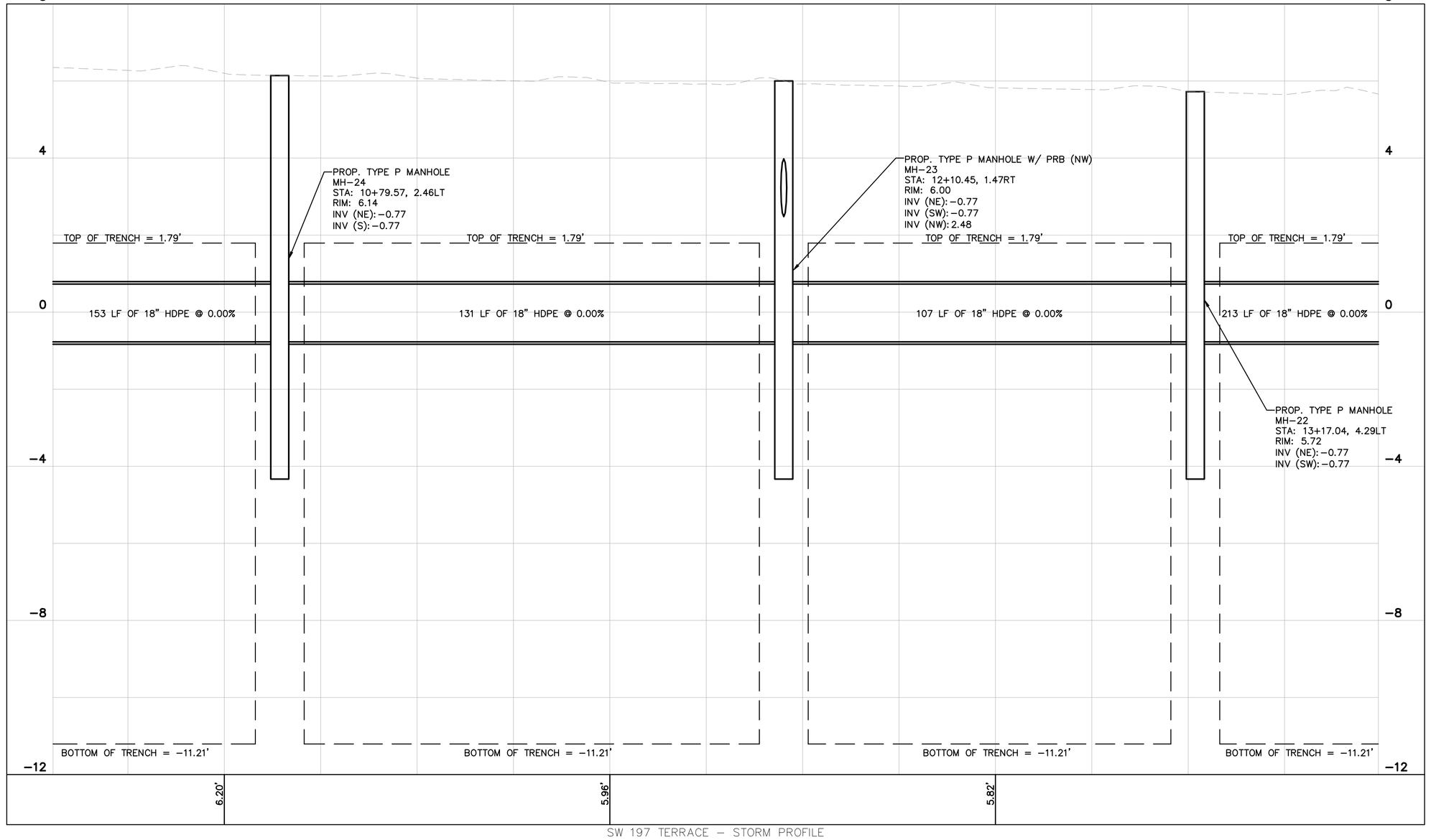
PAVING GRADING AND DRAINAGE PLAN

SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C302.5

Plotted By:Raziner, Eliana Sheet Set:SAGA BAY DRAINAGE IMPROVEMENTS Layout:C302.5 Paving Grading and Drainage Plan August 06, 2025 12:17:29pm K:\MI_div\043145105_saga bay drainage improvements\CAD\plansheets\C302.1 Paving, Grading, and Drainage Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

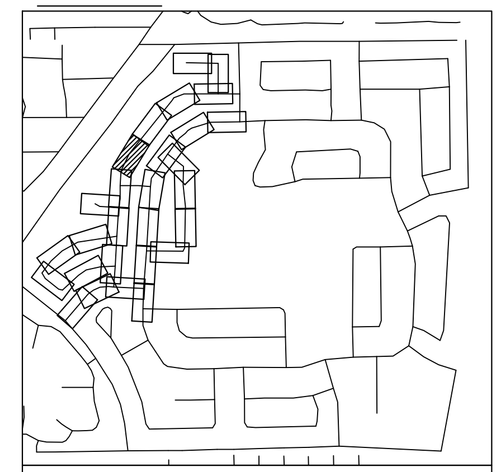




SW 197 TERRACE - STORM PROFILE
STA 1056' TO STA 1399'
1"=20' (HORZ.)
1"=2' (VERT)

GRAPHIC SCALE IN FEET
0 10 20 40

KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER DATE:

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

PAVING GRADING AND DRAINAGE PLAN

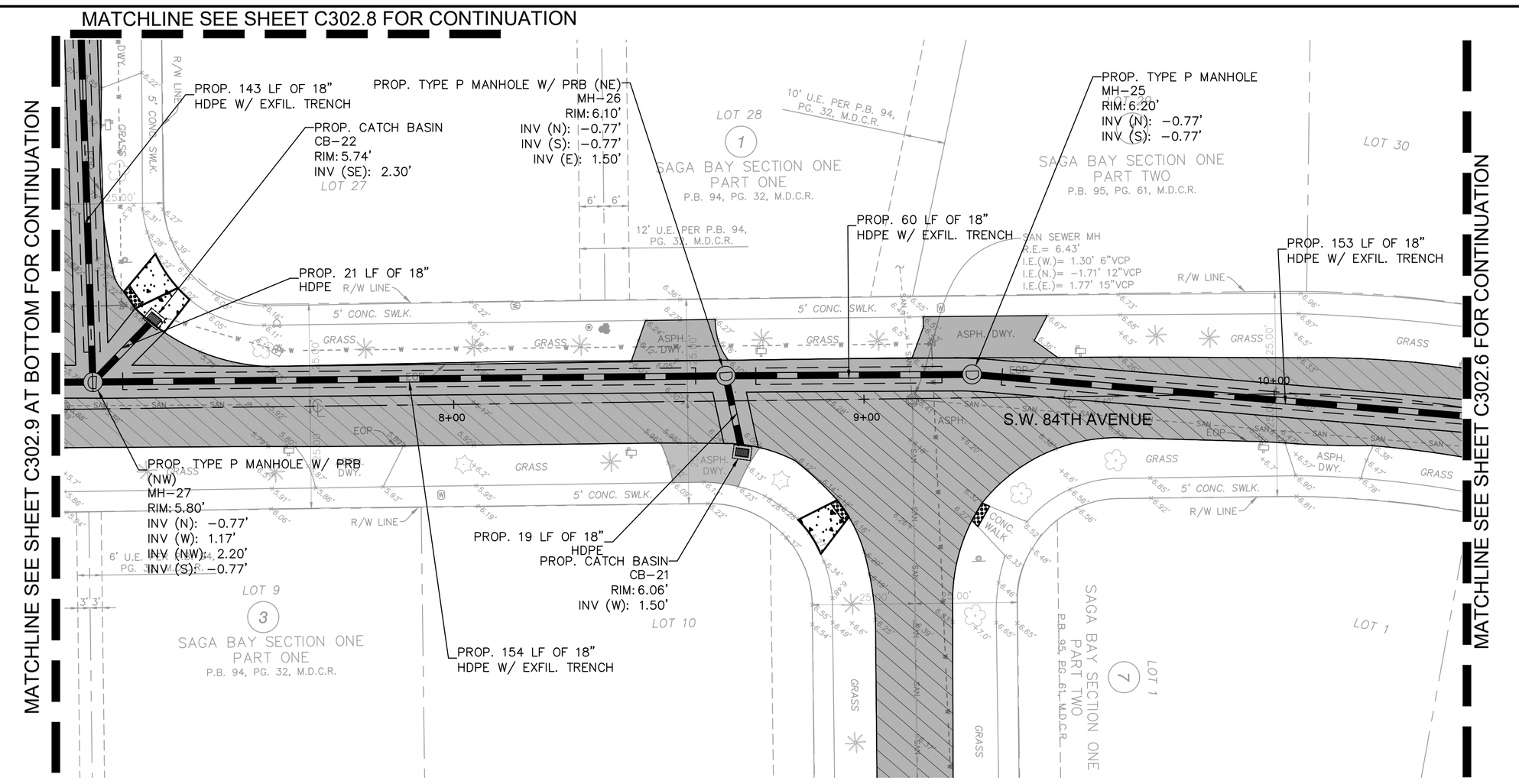
SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY

CUTLER BAY FLORIDA

SHEET NUMBER
C302.6

KNOW WHAT'S BELOW Call 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callbeforeyoudig.com

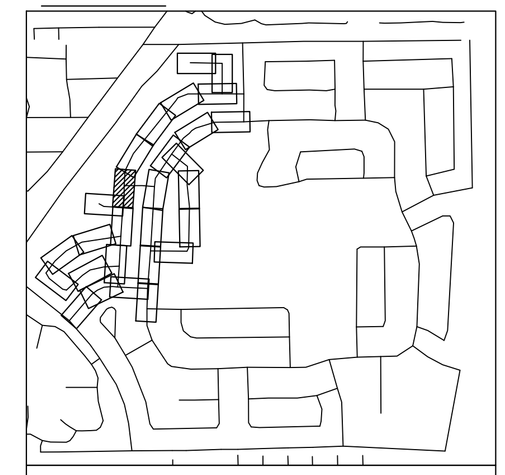
Plotted By: Raziyer Filonov Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C302 & Paving, Grading and Drainage Plan August 05, 2025 12:17:30pm K:\Mi_civil\043_jobs\043145105_saga bay drainage improvements\CAD\plansheets\C302-1 Paving, Grading, and Drainage Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



SW 197 TERRACE – STORM PROFILE
STA 741' TO STA 1080'
1"=20' (HORZ.)
1"=2' (VERT)

GRAPHIC SCALE IN FEET
0 10 20 40

KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.

KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG!
It's fast. It's free. It's the law.
www.sunshine811.com

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON ★ No 85268 ★ STATE OF FLORIDA ★ PROFESSIONAL ENGINEER
TIFFANY STANTON LICENSE NUMBER 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER (ONAL)
DATE

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

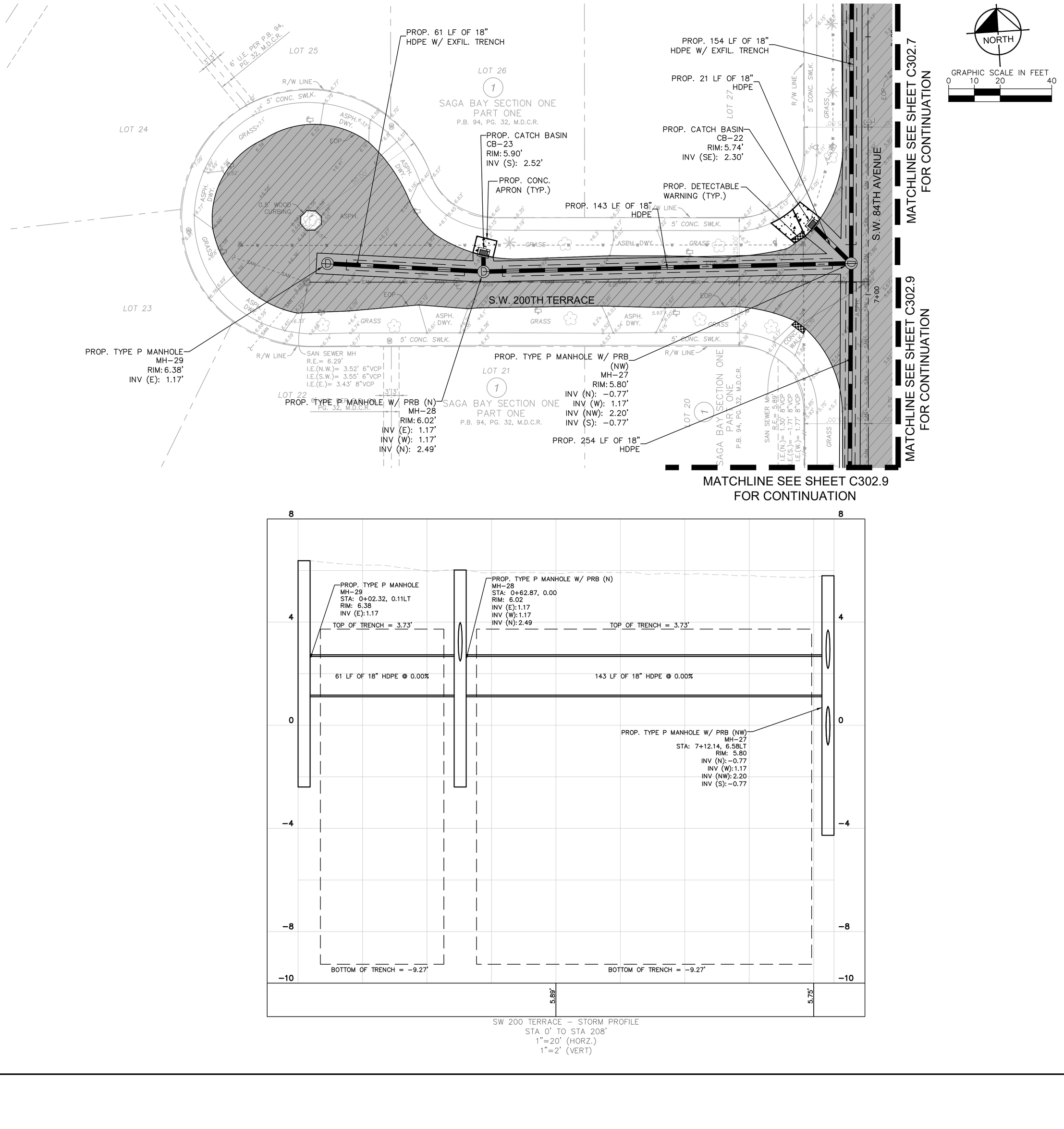
PAVING GRADING AND DRAINAGE PLAN

SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C302.7

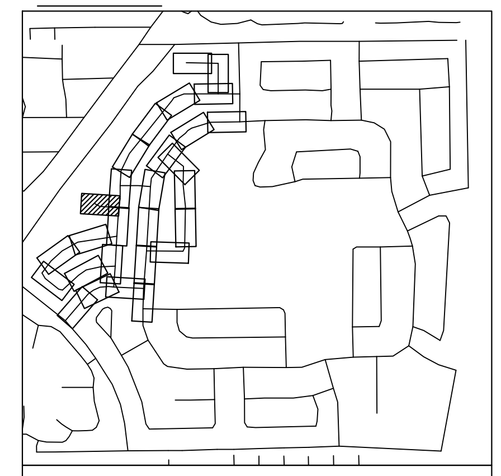
Plotted By:Rainier, Filiza Sheet Set:SAGA BAY DRAINAGE IMPROVEMENTS Layout:C302.7 Paving Grading and Drainage Plan August 05, 2025 12:17:49pm K:\Mia_civil\043145105 saga bay drainage improvements\CAD\plansheets\C300.1 Paving, Grading, and Drainage Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Town of Cutler Bay | ITB No. 25-04
Saga Bay Drainage Improvements Project
Page 247 of 329



SW 200 TERRACE – STORM PROFILE
STA 0' TO STA 208'
1"=20' (HORZ.)
1"=2' (VERT)

KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

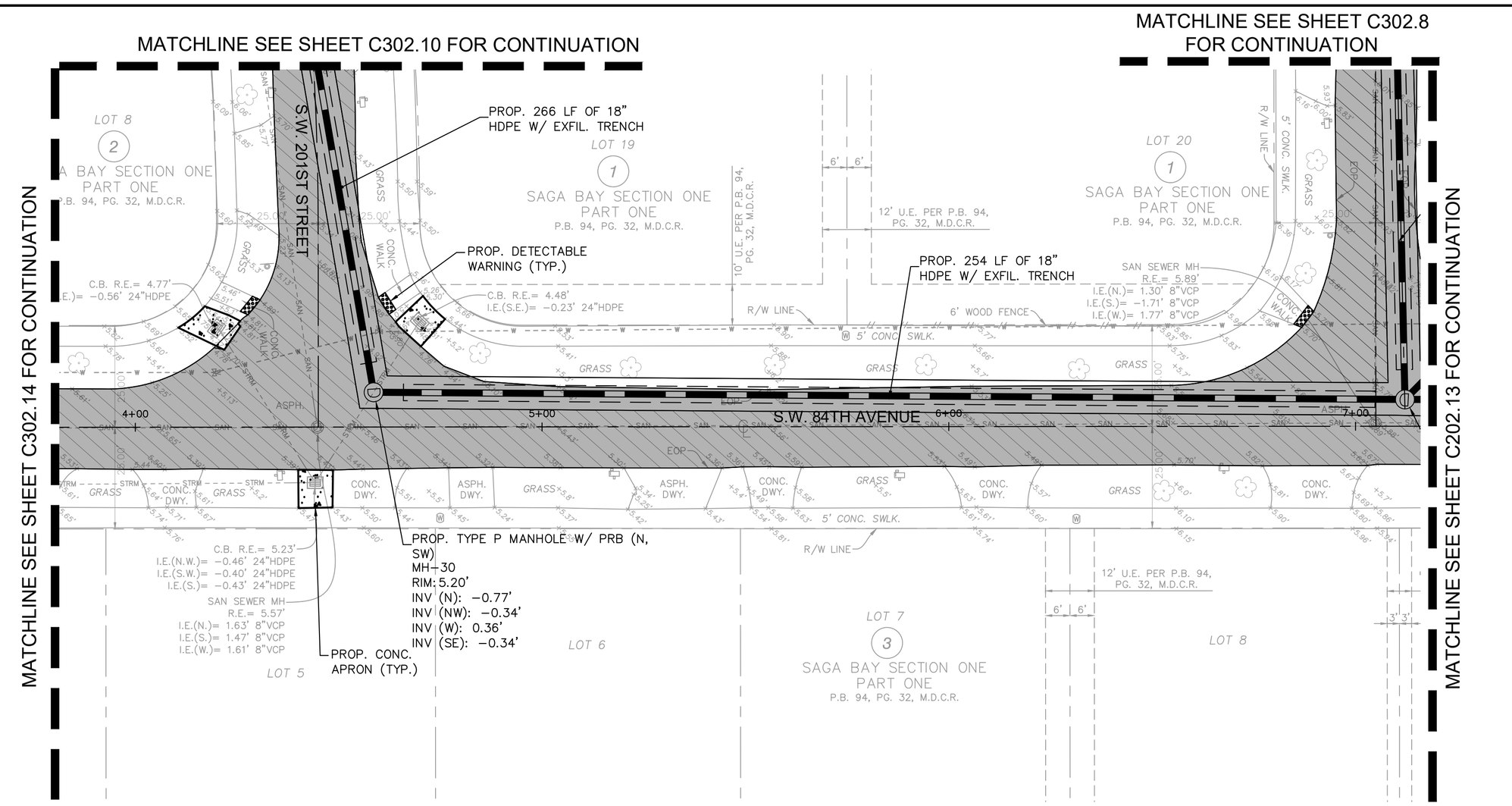
PAVING GRADING AND DRAINAGE PLAN

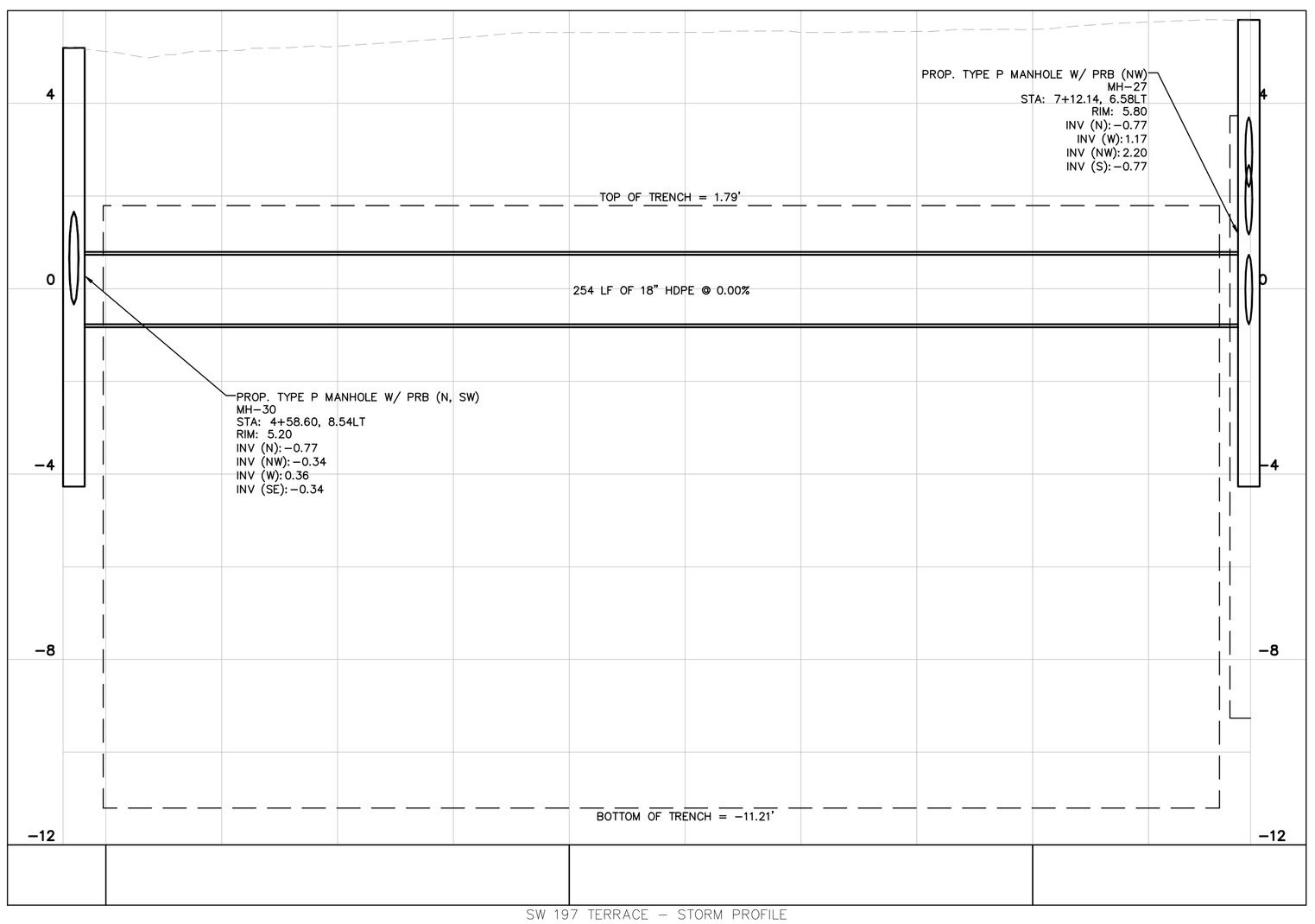
SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C302.8

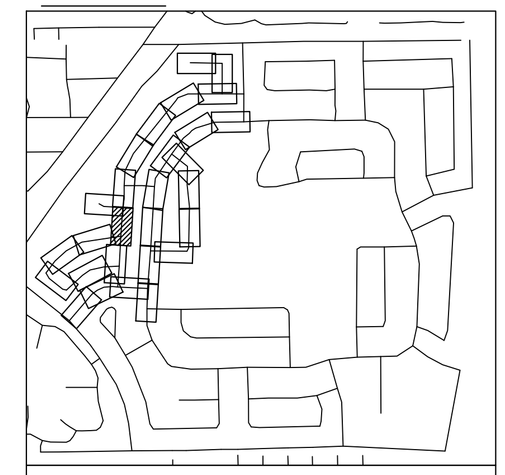
811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
www.callbeforeyoudig.com

Bluebeam Revu Printer Filepath: Sheet Set\SAGA BAY DRAINAGE IMPROVEMENTS\Layout\C302.8 Paving Grading and Drainage Plan August 06, 2025 12:17:50pm K:\Ut_civil\043_jobs\043145105_saga bay drainage improvements\CAD\plansheets\C302.8 Paving Grading and Drainage Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.
Town of Cutler Bay | ITB No. 25-04
Saga Bay Stormwater Improvements Project
Page 248 of 329





SW 197 TERRACE – STORM PROFILE
STA 491' TO STA 747'
1"=20' (HORZ.)
1"=2' (VERT)



KEY MAP

LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER

KHA PROJECT 043145105	
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

PAVING GRADING AND DRAINAGE PLAN

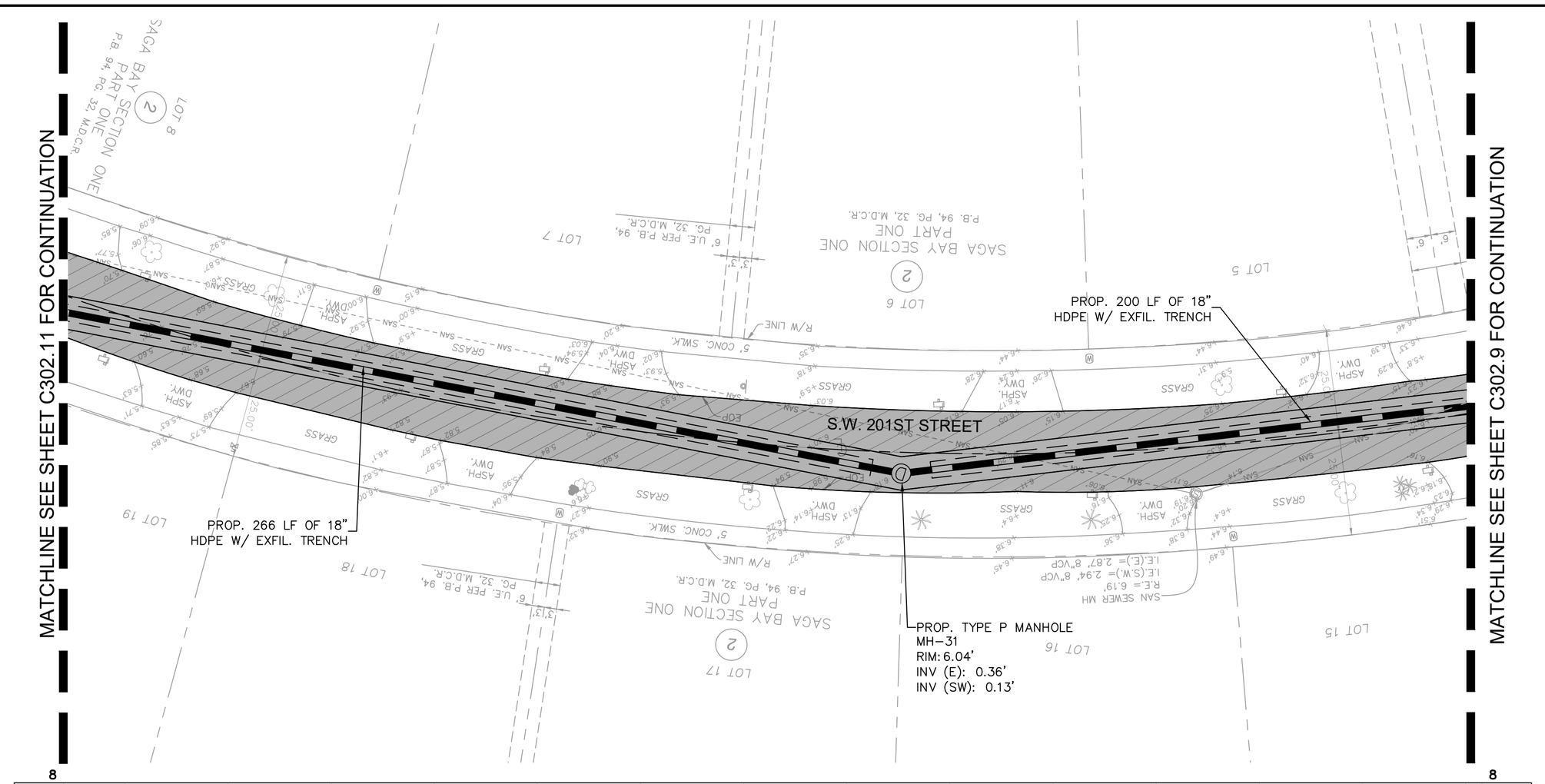
SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

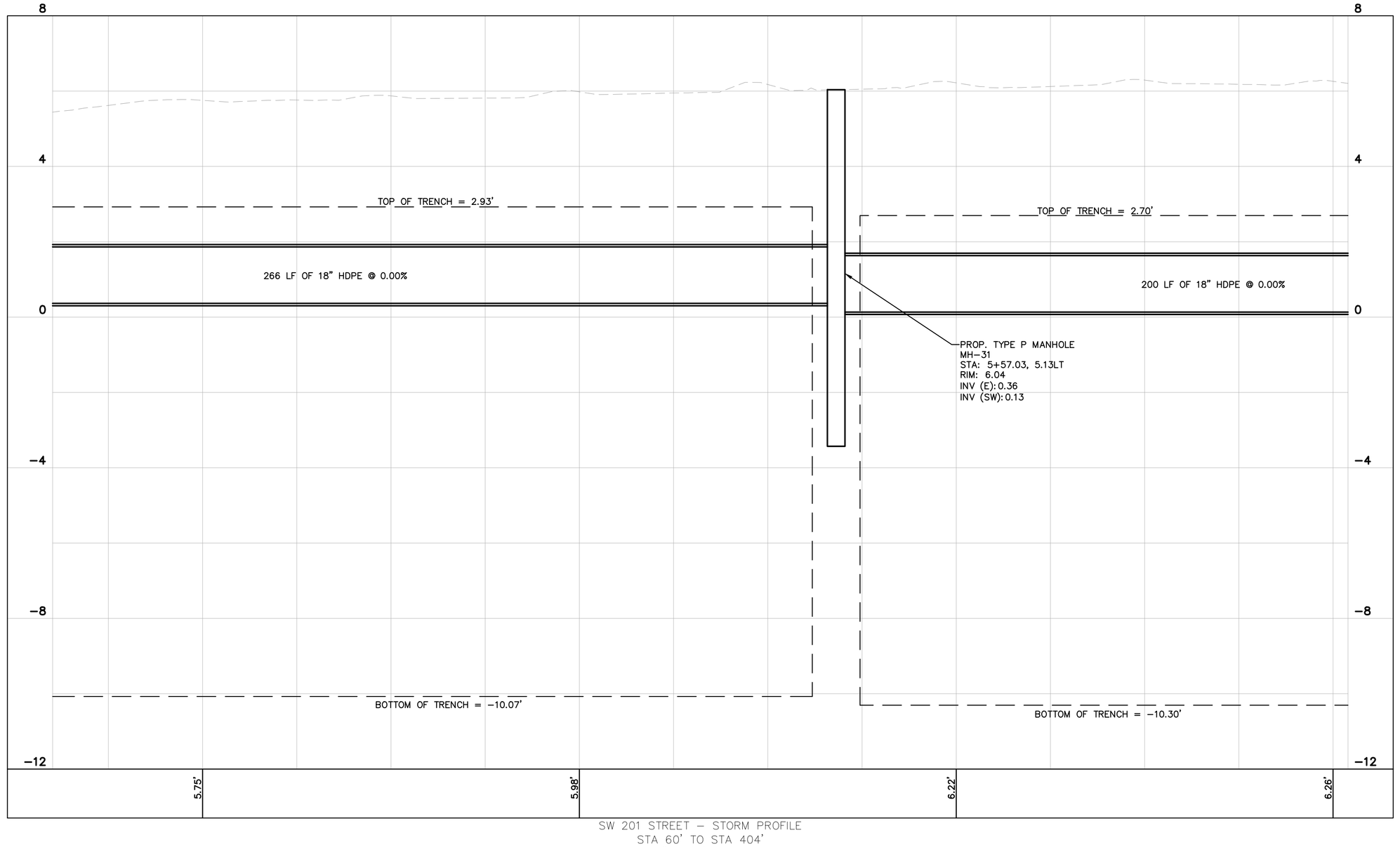
SHEET NUMBER
C302.9

KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG!
It's fast. It's free. It's the law.
www.sunshine811.com

Plotted By:Rainier Flores Sheet Set:SAGA BAY DRAINAGE IMPROVEMENTS Layout:C302.9 Paving Grading and Drainage Plan August 05, 2025 12:18:09pm K:\Mia_civil\043_jobs\043145105_saga bay drainage improvements\CAD\plotsheets\C302.1 Paving, Grading, and Drainage Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Town of Cutler Bay | ITB No. 25-04
Saga Bay Drainage Improvements Project
Page 249 of 329



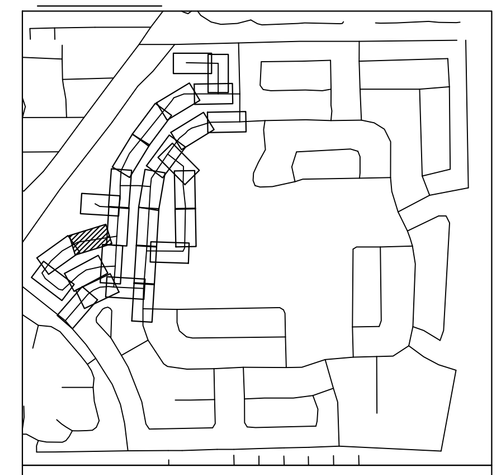


SW 201 STREET – STORM PROFILE
STA 60' TO STA 404'
1"=20' (HORZ.)
1"=2' (VERT)

GRAPHIC SCALE IN FEET
0 10 20 40

NORTH

KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: 12/5/2025

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

PAVING GRADING AND DRAINAGE PLAN

SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

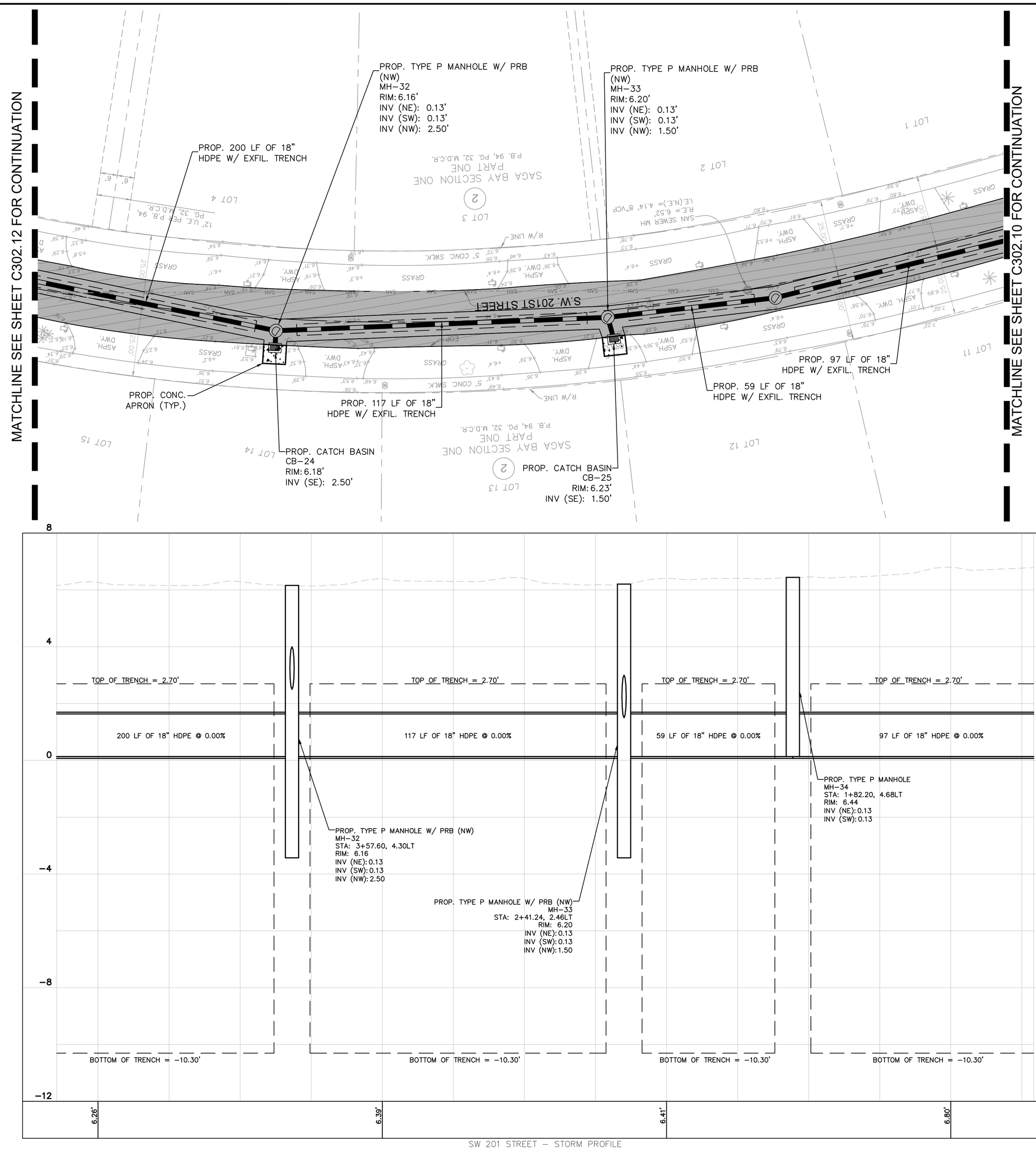
SHEET NUMBER
C302.10

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
Sunshine811.com

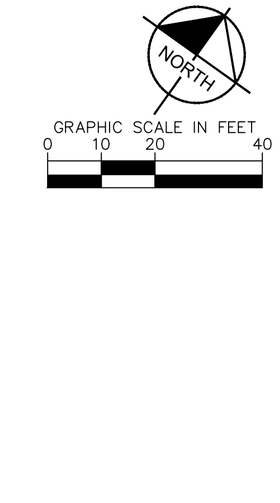
Plotted By: Raylene Filoso Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C302.10 Paving, Grading and Drainage Plan August 06, 2025 12:18:19pm K:\FTL_civil\043145105_saga bay drainage improvements\C4D\plansheets\C302.1 Paving, Grading and Drainage Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Town of Cutler Bay | ITB No. 25-04
Saga Bay Drainage Improvements Project
Page 250 of 330

Plotted By: Rapinder Filipos, Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS, Layout: C302.11 Paving Grading and Drainage Plan, August 06, 2025 - 12:18:20pm K:\FL_civil_civil\043_tsbo\043145105_saga bay dr\engineering_improvements\C3D\plansheets\C302.1 Paving Grading and Drainage Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

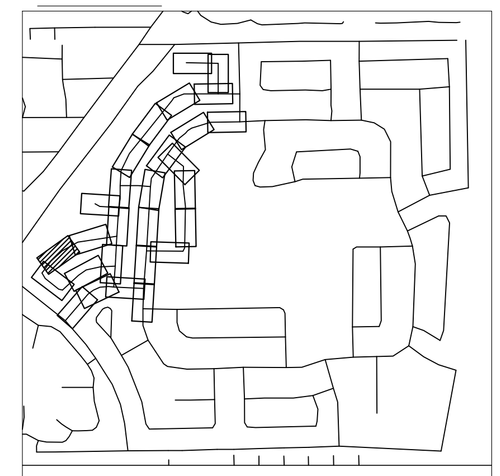


SW 201 STREET – STORM PROFILE
STA 385' TO STA 729'
1"=20' (HORZ.)
1"=2' (VERT)



GRAPHIC SCALE IN FEET
0 10 20 40

KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED PAVEMENT RESTORATION
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: 10/31/2025

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

PAVING GRADING AND DRAINAGE PLAN

SAGA BAY DRAINAGE IMPROVEMENTS
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C302.11

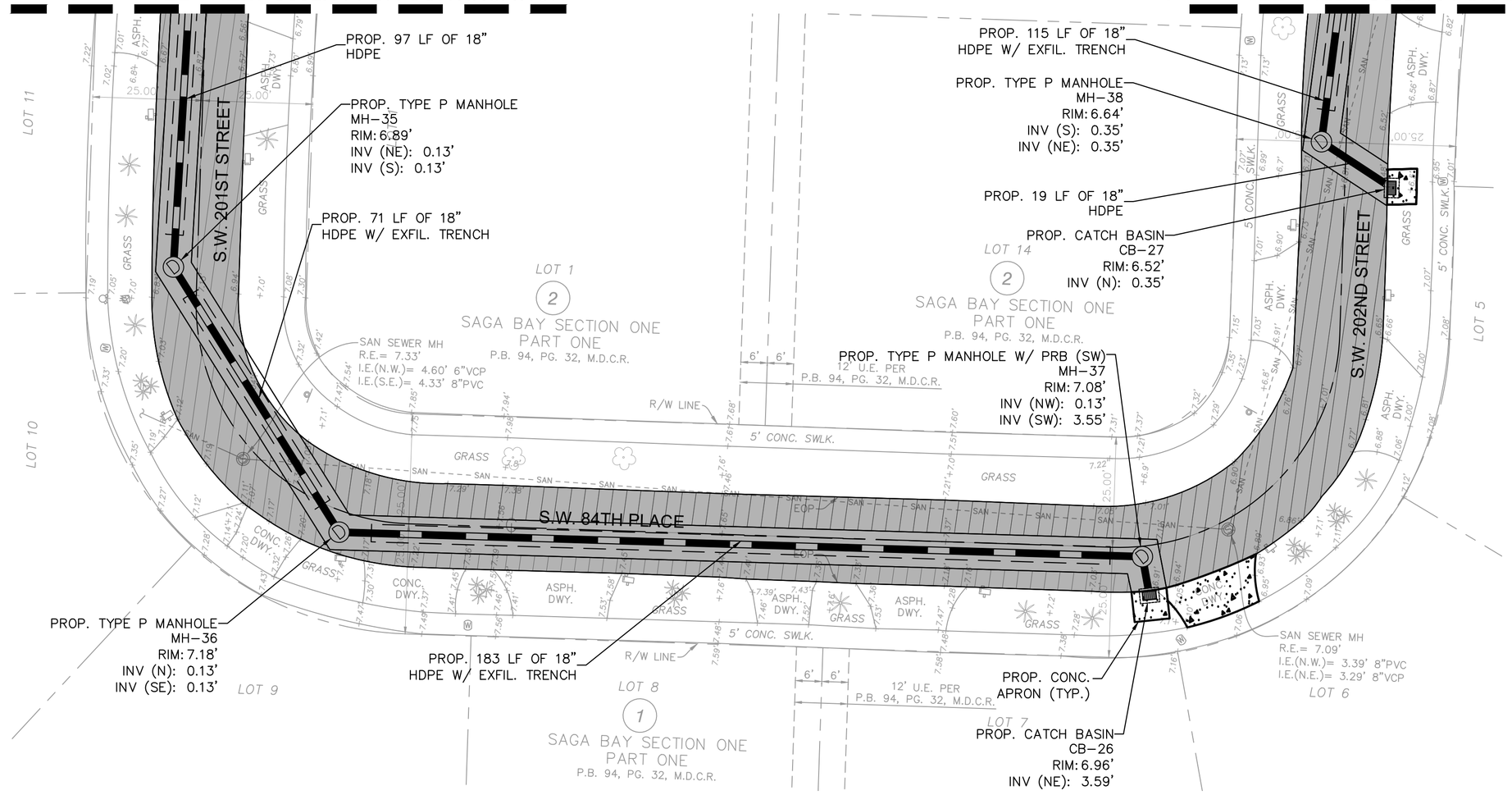
KNOW WHAT'S BELOW Call 811 BEFORE YOU DIG
811 It's free. It's the law. It's the law.
www.callbeforeyoudig.com

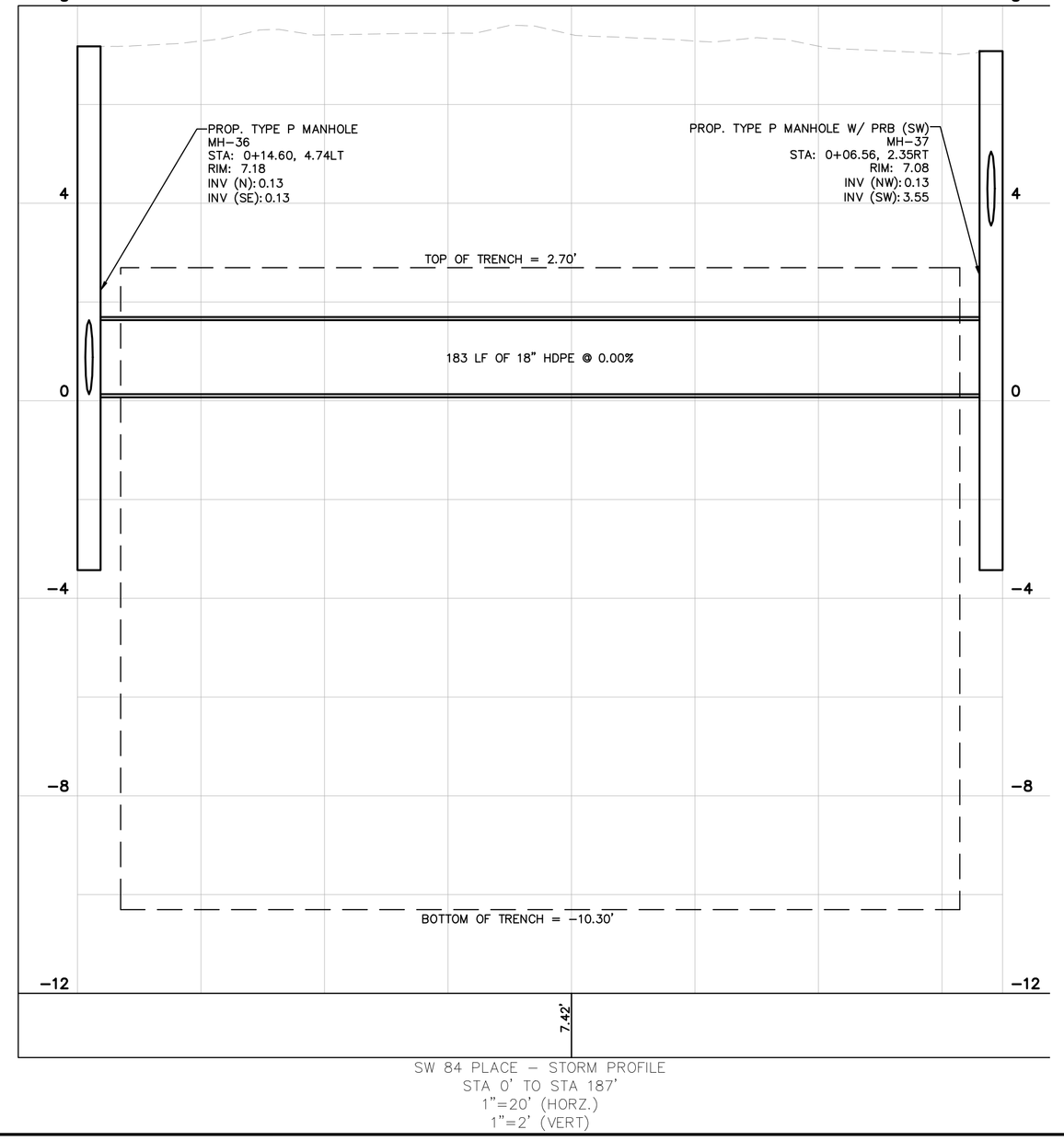
Plotted By: Raziner Filoso, Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS, Layout: C302.12 Paving Grading and Drainage Plan, August 05, 2025 - 12:18:38pm, K:\HI_civil\043_Jobs\043145105_saga bay drainage improvements\CAD\xlsheet\C302.1 Paving Grading and Drainage Plan.dgn
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Town of Cutler Bay | ITB No. 25-04
Saga Bay Drainage Improvements Project
Page 229 of 323

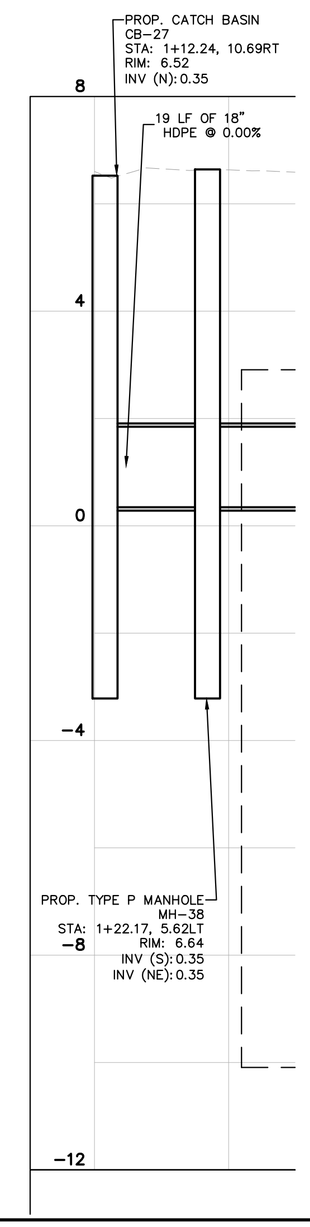
MATCHLINE SEE SHEET C302.11 FOR CONTINUATION

MATCHLINE SEE SHEET C302.13 FOR CONTINUATION



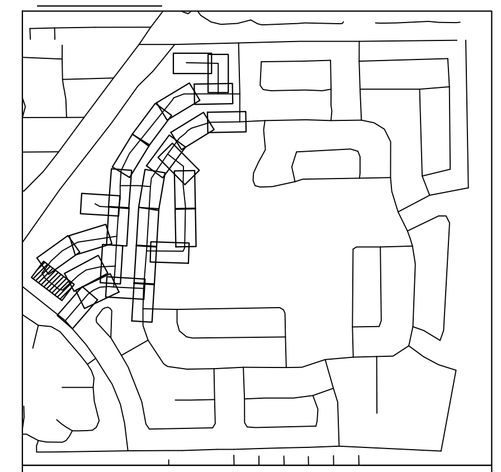


SW 84 PLACE – STORM PROFILE
STA 0' TO STA 187'
1"=20' (HORZ.)
1"=2' (VERT)



GRAPHIC SCALE IN FEET
0 10 20 40

KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: 10/31/2025

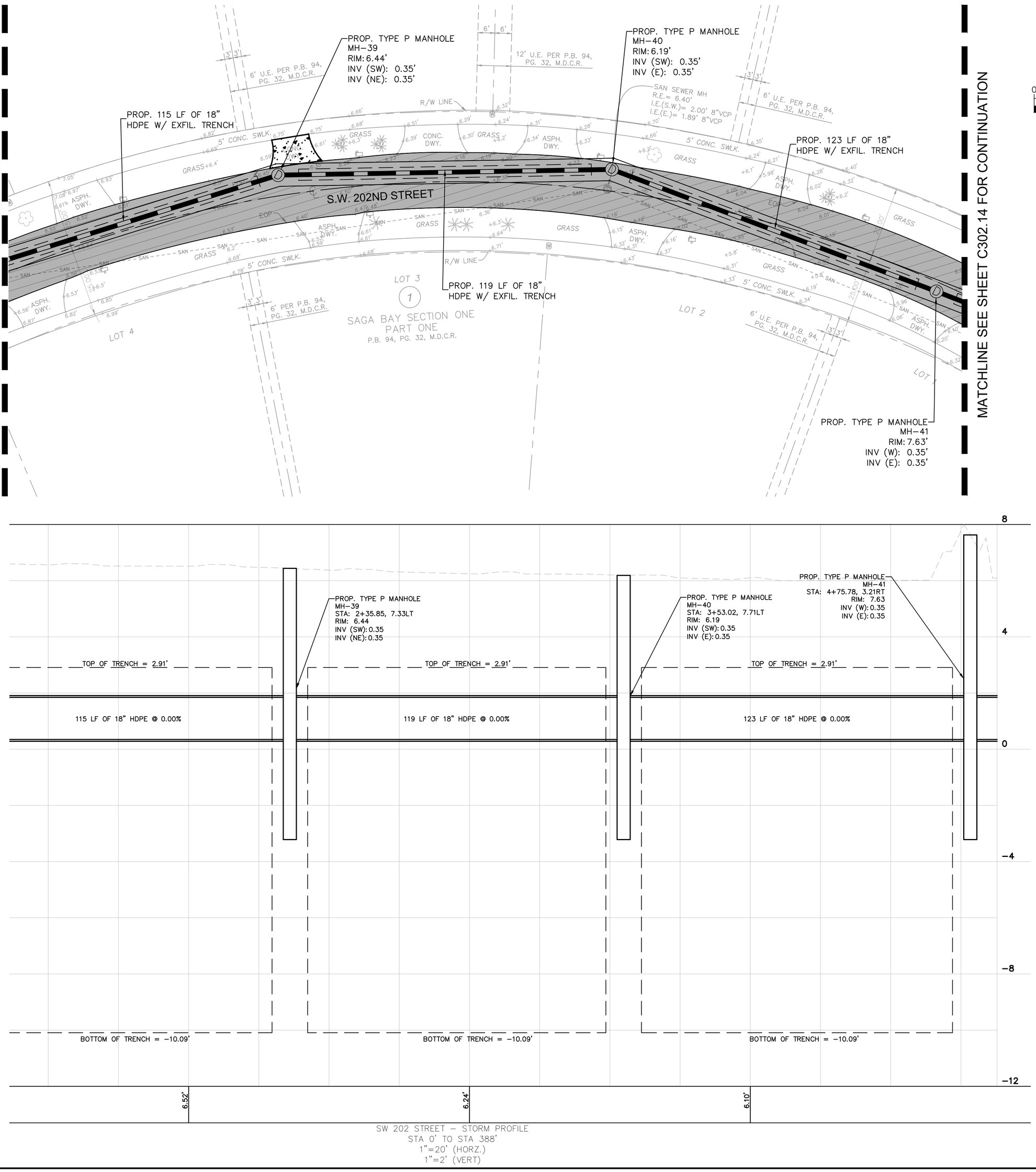
KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

PAVING GRADING AND DRAINAGE PLAN

SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

KNOW WHAT'S BELOW Call 811 BEFORE YOU DIG

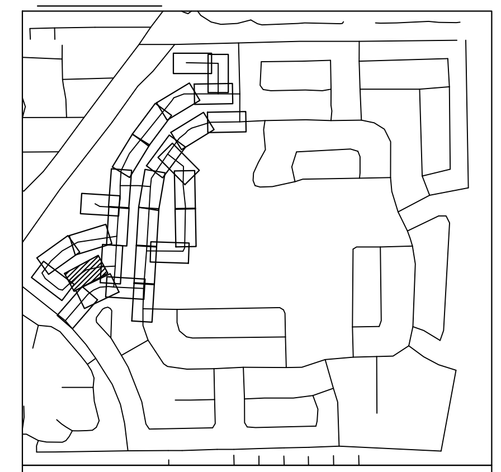
SHEET NUMBER
C302.12



SW 202 STREET – STORM PROFILE
STA 0' TO STA 388'
1"=20' (HORZ.)
1"=2' (VERT)

GRAPHIC SCALE IN FEET
0 10 20 40

KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: 10/1/2025

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

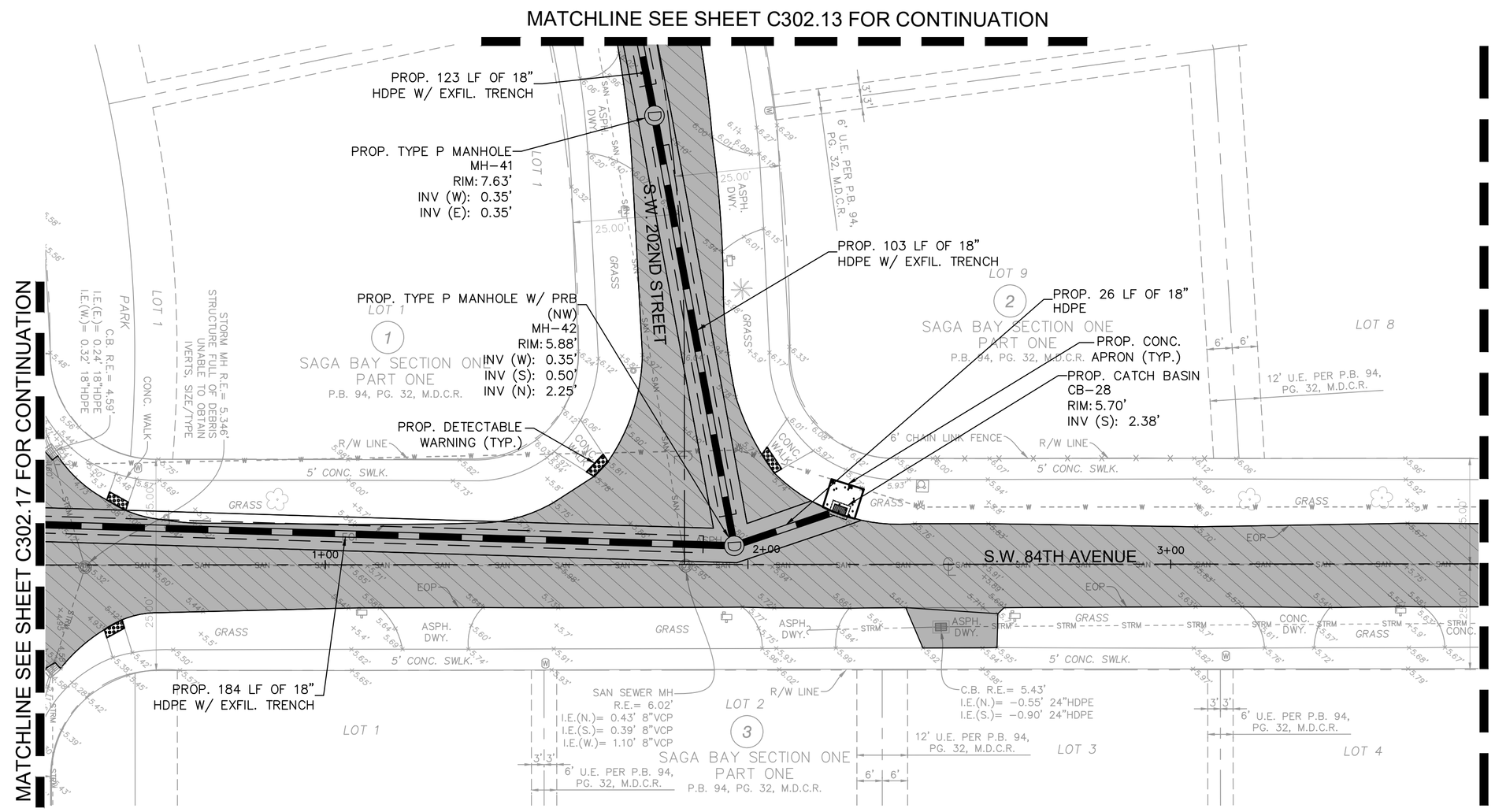
PAVING GRADING AND DRAINAGE PLAN

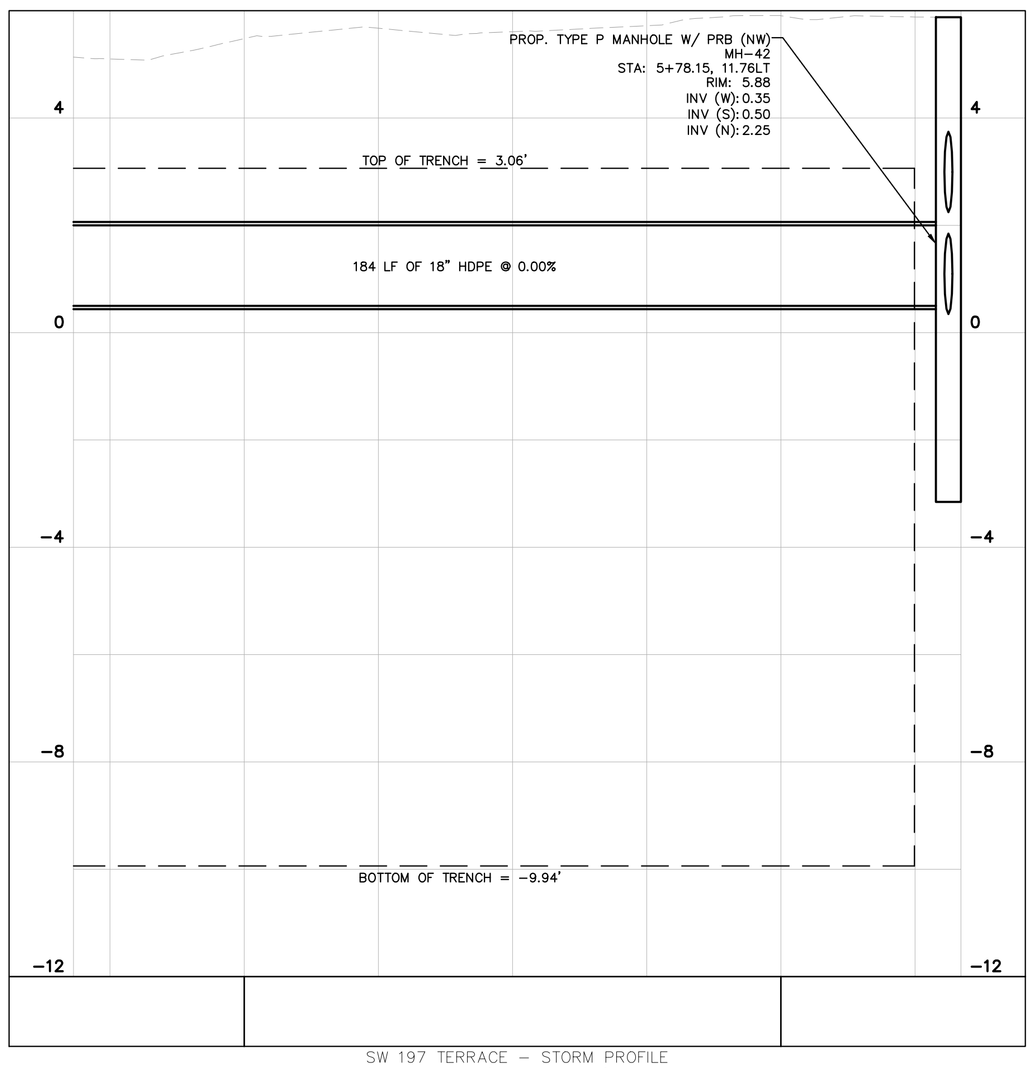
SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C302.13

811 KNOW WHAT'S BELOW CALL BEFORE YOU DIG
It's fast, it's free, it's the law.
www.callsunshine.com

Plotted By: Rapinder Filone, Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS, Layout: C302.13 Paving Grading and Drainage Plan, August 05, 2025 12:18:48pm K:\HI_civil\043_jobs\043145105_saga bay drainage improvements\CAD\xlconfigs\C3001 Paving, Grading and Drainage Plan.dgn
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

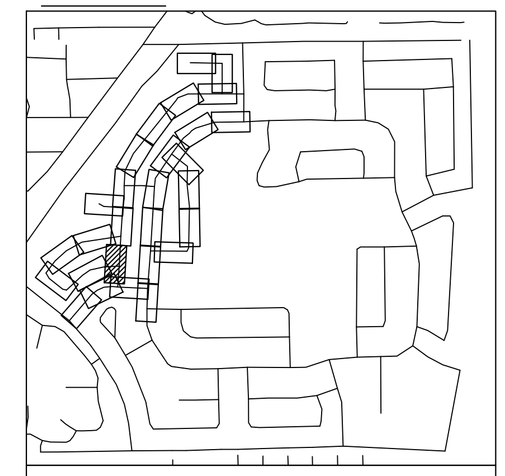




SW 197 TERRACE - STORM PROFILE
STA 68' TO STA 234'
1"=20' (HORZ.)
1"=2' (VERT)

GRAPHIC SCALE IN FEET
0 10 20 40

KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.

KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG!
811 Sunshine 811 It's free. It's the law.
www.sunshine811.com

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER

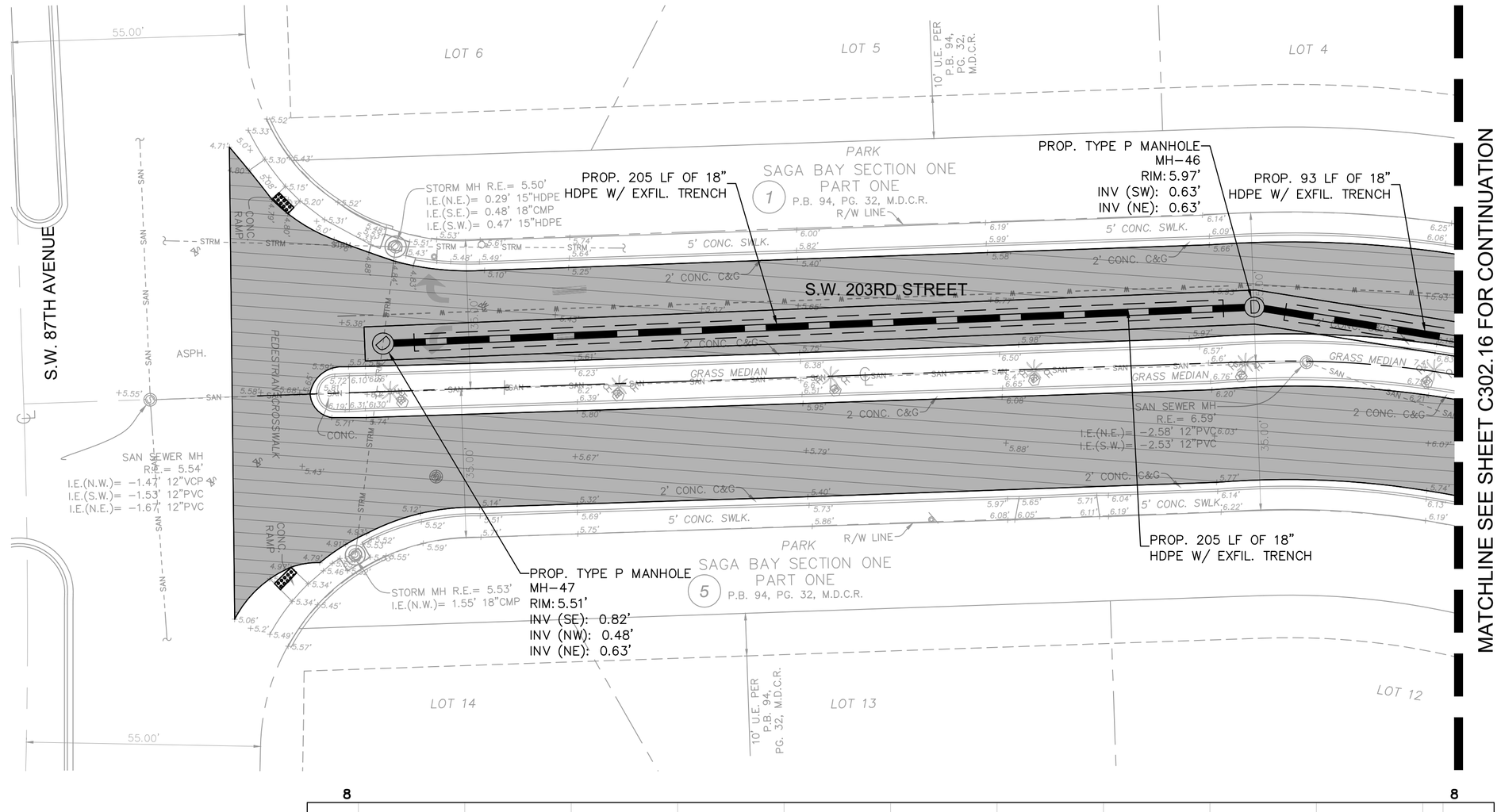
KHA PROJECT 043145105	
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

PAVING GRADING AND DRAINAGE PLAN

SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C302.14

Plotted By:Rainier Flores Sheet Set:SAGA BAY DRAINAGE IMPROVEMENTS Layout:C302.14 Paving Grading and Drainage Plan August 05, 2025 12:18:58pm K:\MI_civil\043145105 saga bay drainage improvements\CAD\sheets\C302.1 Paving, Grading, and Drainage Plan.dgn
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

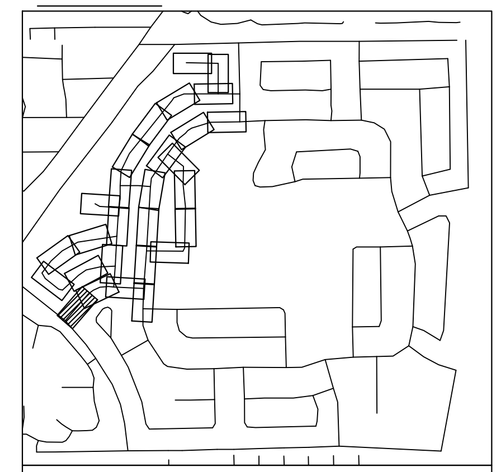


SW 203 STREET – STORM PROFILE
STA 0+00 TO STA 2+55
1"=20' (HORZ.)
1"=2' (VERT)

GRAPHIC SCALE IN FEET
0 10 20 40

NORTH

KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- SAN — EXISTING SANITARY SEWER PIPE
- STRM — EXISTING STORM DRAIN PIPE
- W — EXISTING WATER MAIN PIPE
- O/W — EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

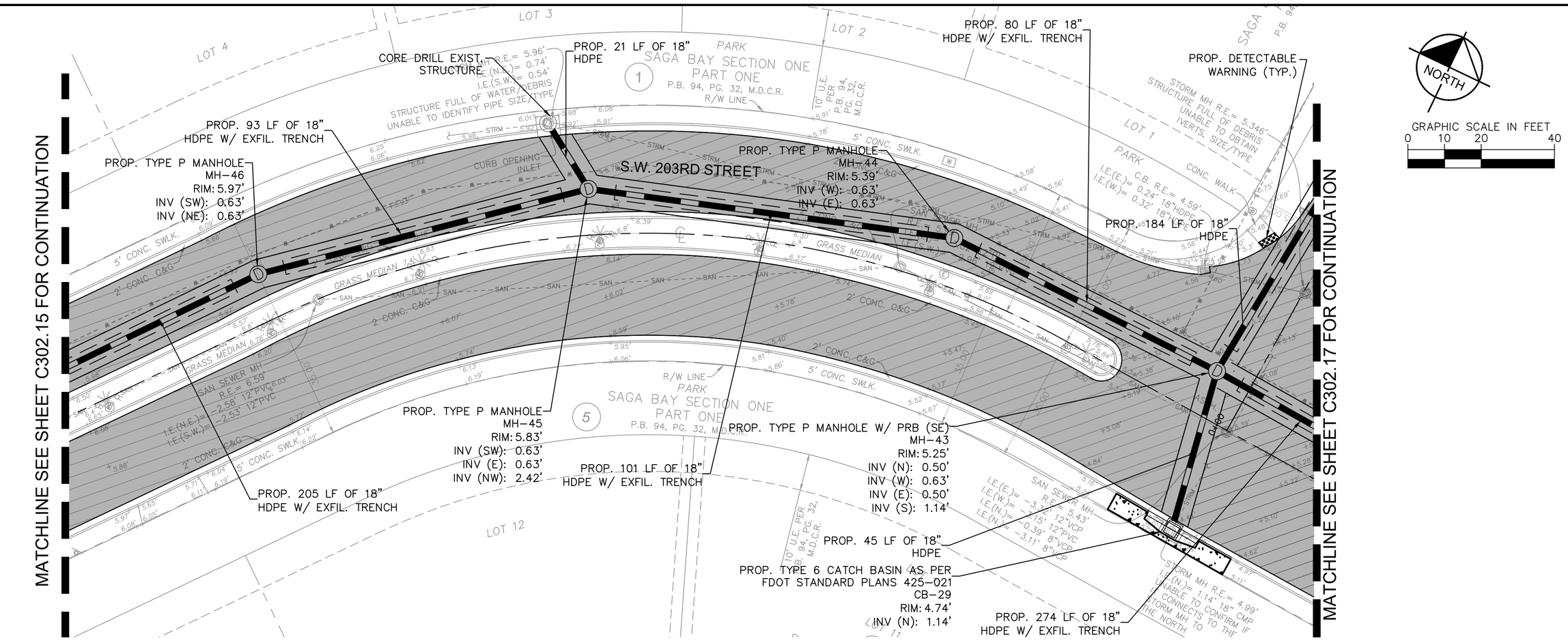
PAVING GRADING AND DRAINAGE PLAN

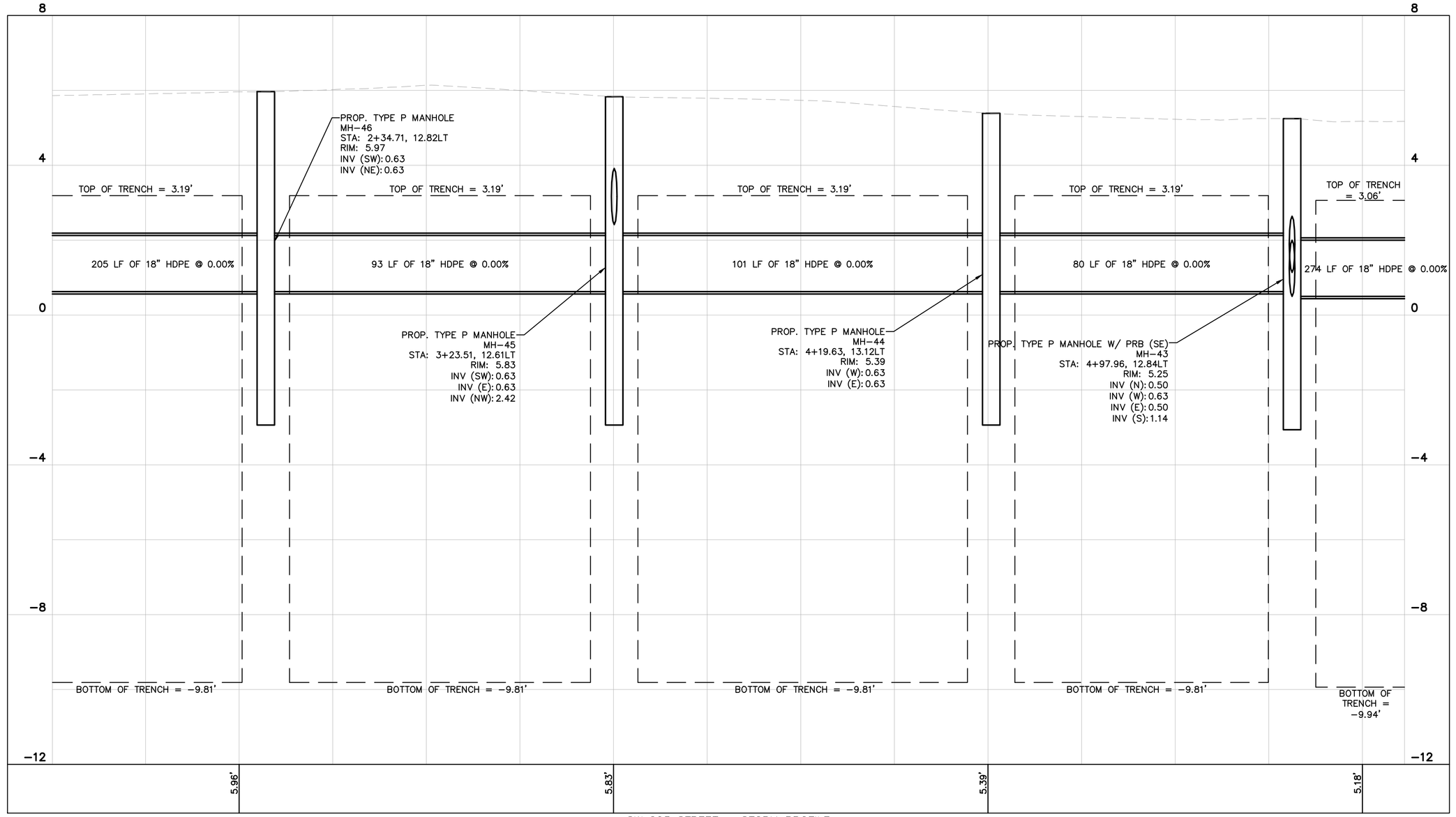
SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C302.15

811 KNOW WHAT'S BELOW CALL BEFORE YOU DIG
It's fast, it's free, it's the law.
www.callsunshine.com

Plotted By: Rapinder Flora, Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS, Layout: C302.16 Paving, Grading and Drainage Plan, August 05, 2025 - 12:19:08pm K:\HI...civil\043...\plans\043145105.sagabay_drainage_improvements\CAD\xlsx\sheet\C302.16 Paving, Grading and Drainage Plan.dgn
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

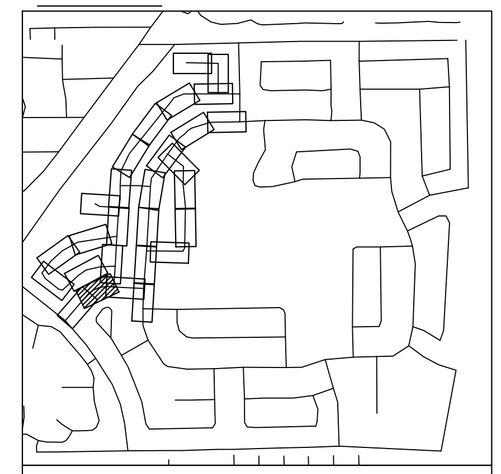




SW 203 STREET – STORM PROFILE
STA 150' TO STA 511'
1"=20' (HORZ.)
1"=2' (VERT)

GRAPHIC SCALE IN FEET
0 10 20 40

KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: 12/19/2025

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

PAVING GRADING AND DRAINAGE PLAN

SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY

CUTLER BAY FLORIDA

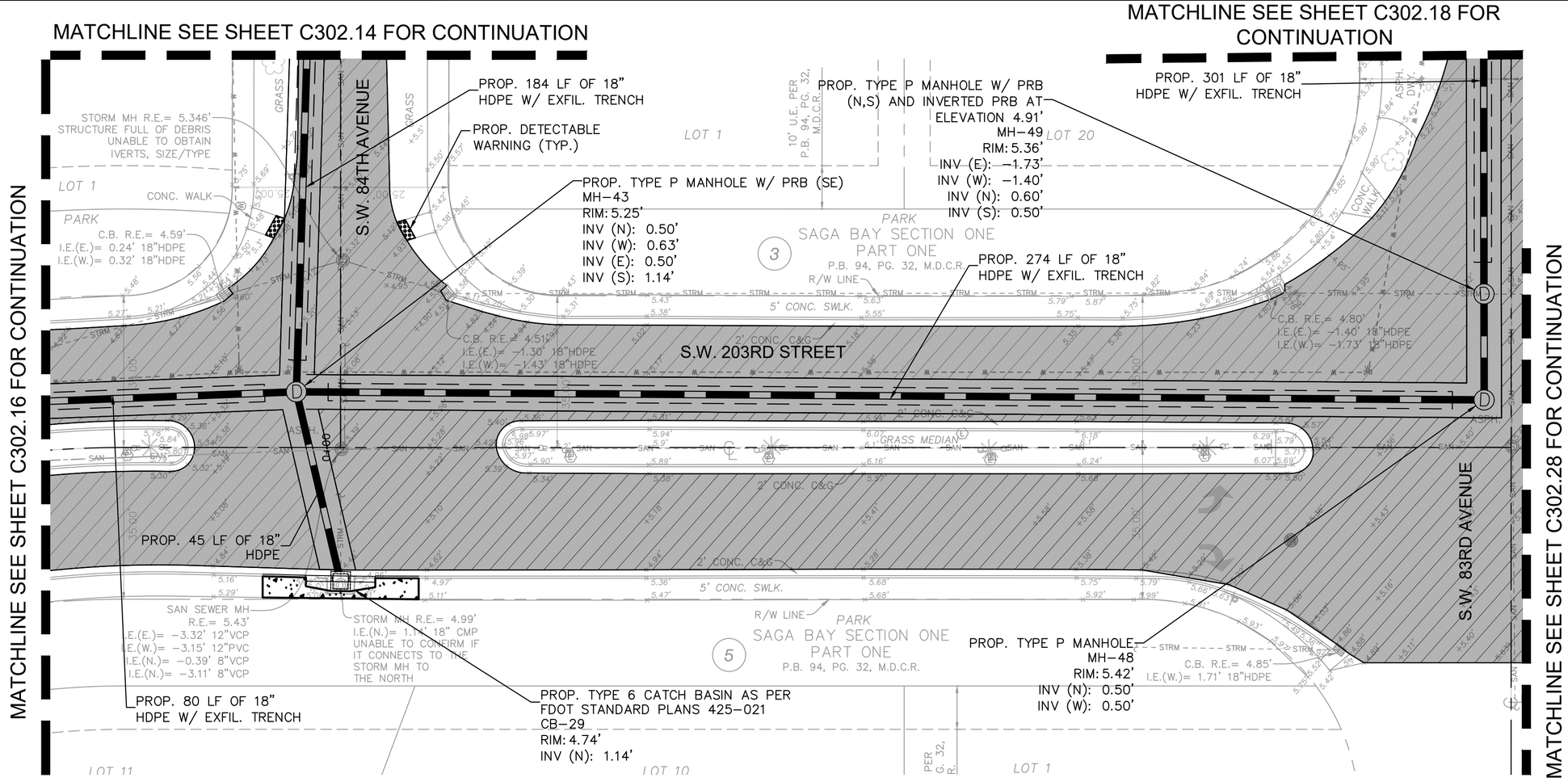
SHEET NUMBER
C302.16

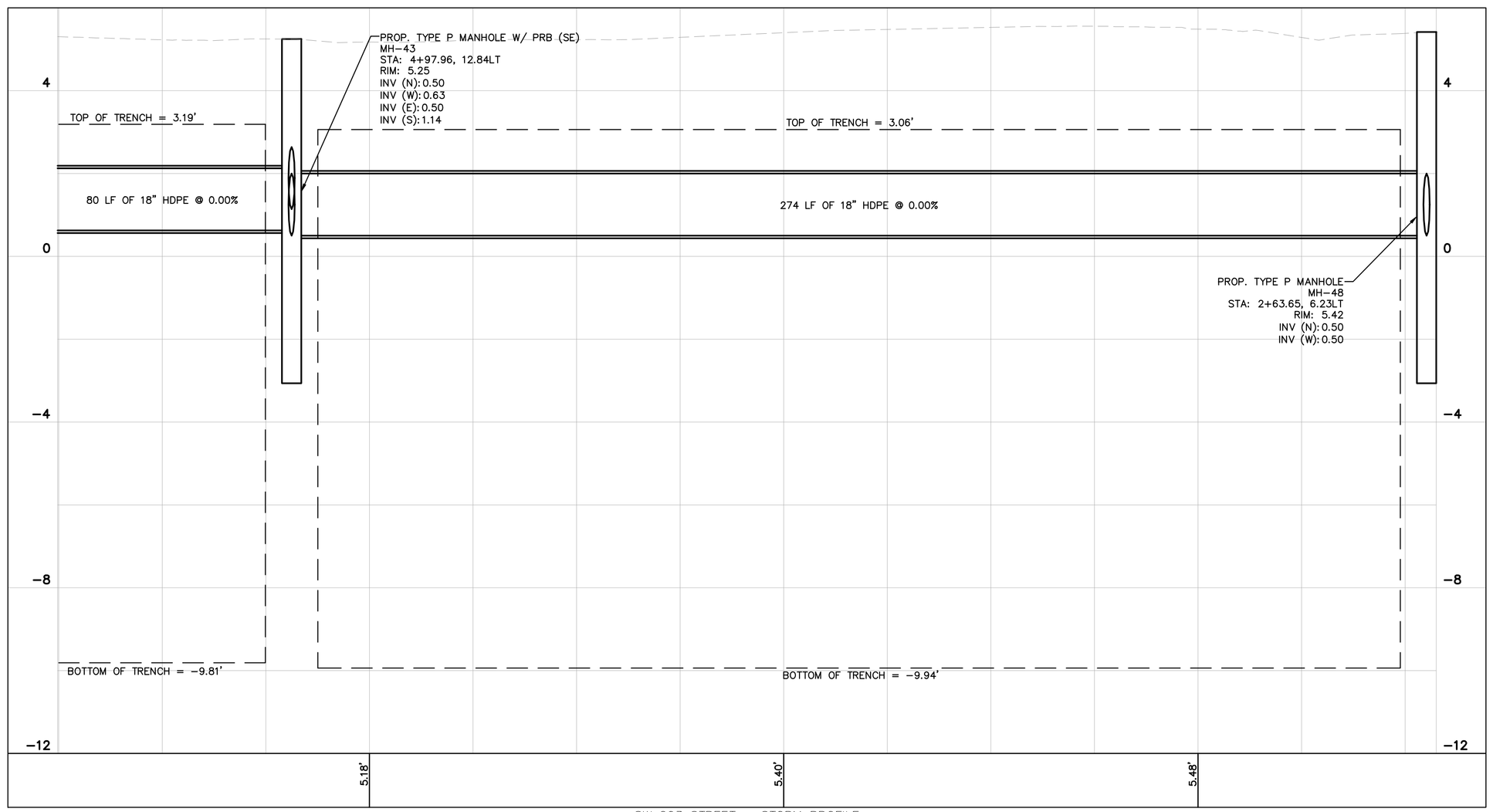
KNOW WHAT'S BELOW Call 811 BEFORE YOU DIG
It's fast, it's free, it's the law.
www.callsunshine.com

Plotted By: Raziyer Filipov, Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS, Layout: C302.16 Paving Grading and Drainage Plan, August 05, 2025 12:19:18pm K:\MI_dvo\043145105 saga bay dr\engineering\cad\C302 Paving Grading and Drainage Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

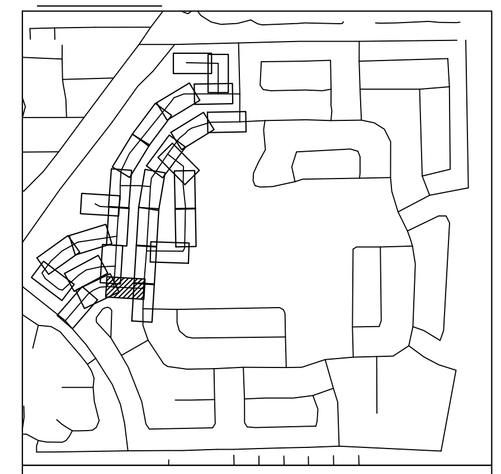
Plotted By: Raziyer Filipo, Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS, Layout: C302.17 Paving Grading and Drainage Plan, August 05, 2025 - 12:19:28pm, K:\HI_civil\043_Jobs\043145105_saga bay drainage improvements\CAD\xlcivil\sheet\C302.1 Paving Grading and Drainage Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Town of Cutler Bay | ITB No. 25-04
Saga Bay Drainage Improvements Project
Page 257 of 323





SW 203 STREET – STORM PROFILE
STA 425' TO STA 758'
1"=20' (HORZ.)
1"=2' (VERT)



GRAPHIC SCALE IN FEET
0 10 20 40

LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: 8/5/2025

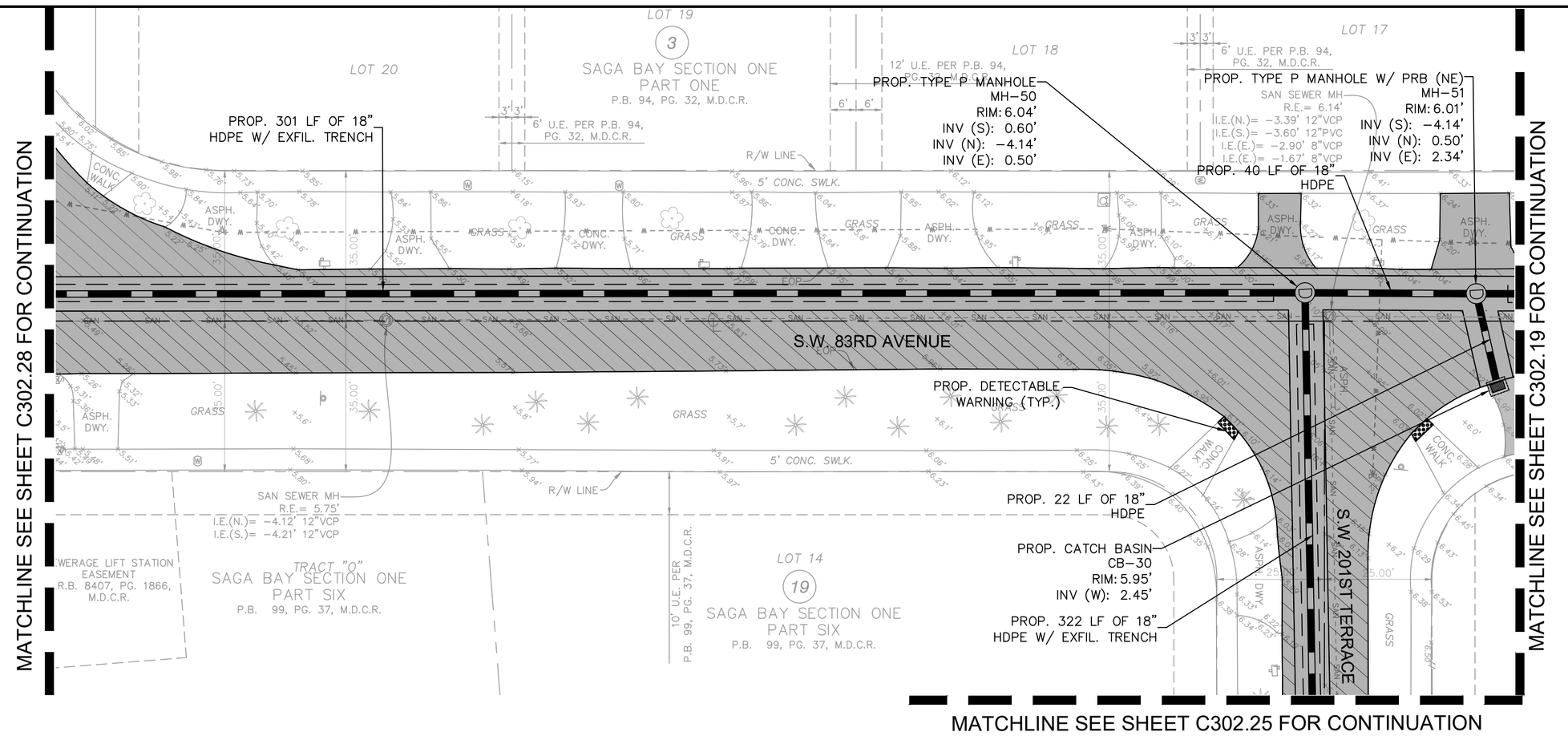
KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

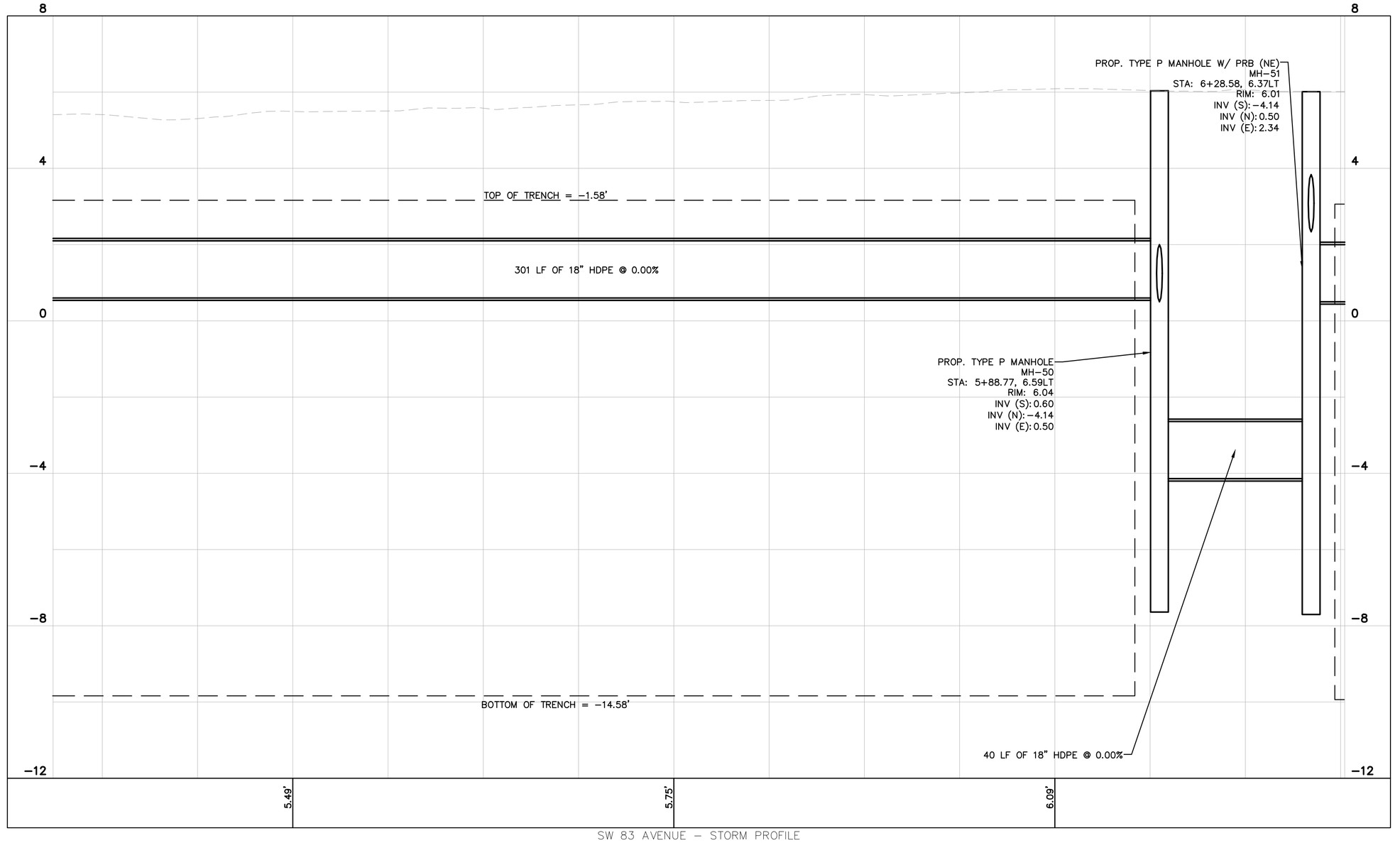
PAVING GRADING AND DRAINAGE PLAN

SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C302.17

811 KNOW WHAT'S BELOW CALL OR CLICK BEFORE YOU DIG
It's fast, it's free, it's the law.
www.callbeforeyoudig.com

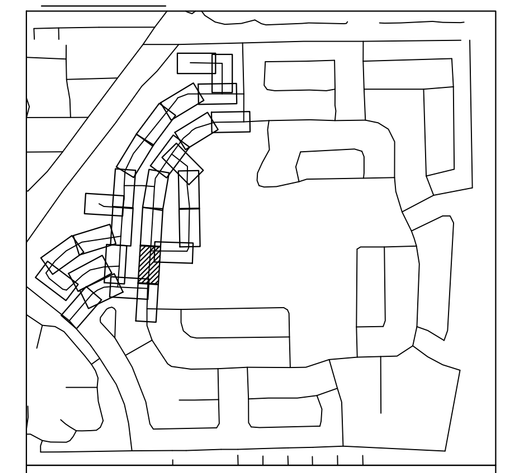




SW 83 AVENUE – STORM PROFILE
STA 37' TO STA 376'
1"=20' (HORZ.)
1"=2' (VERT)

GRAPHIC SCALE IN FEET
0 10 20 40

KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

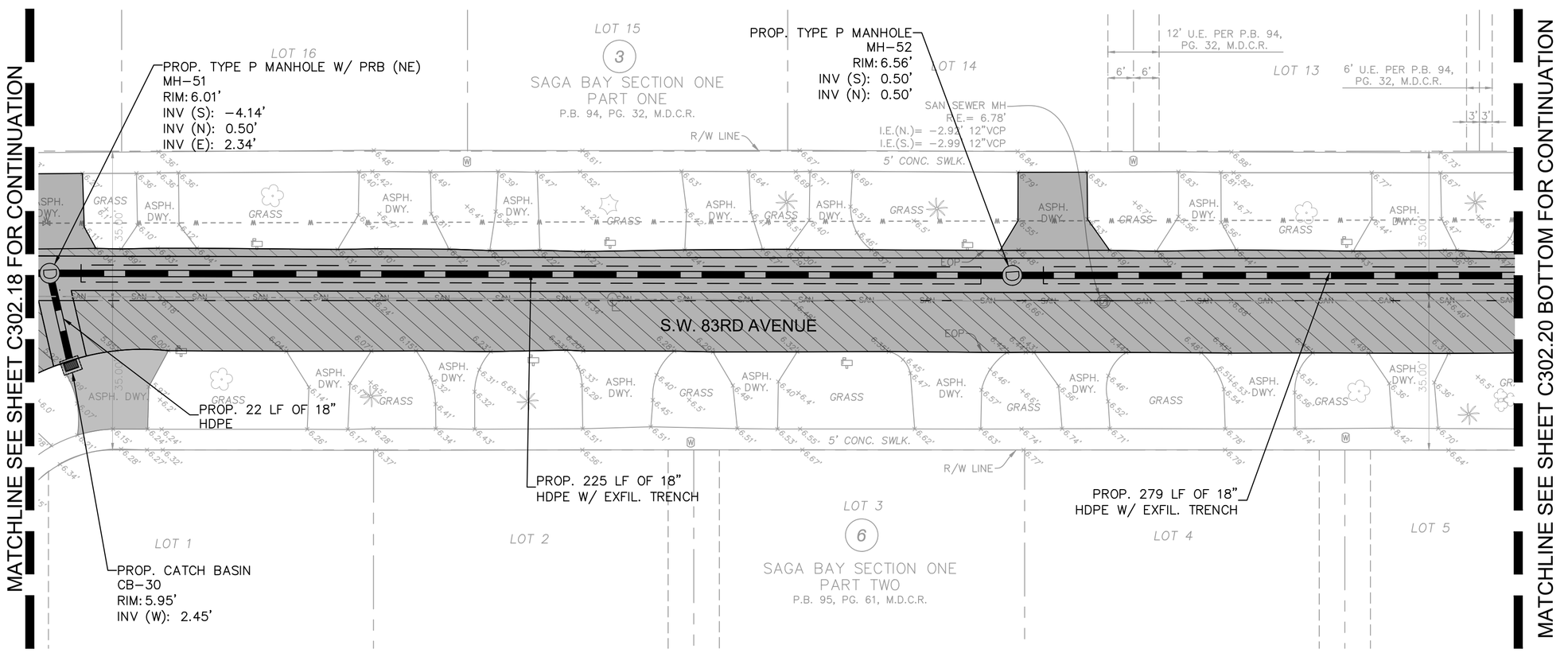
PAVING GRADING AND DRAINAGE PLAN

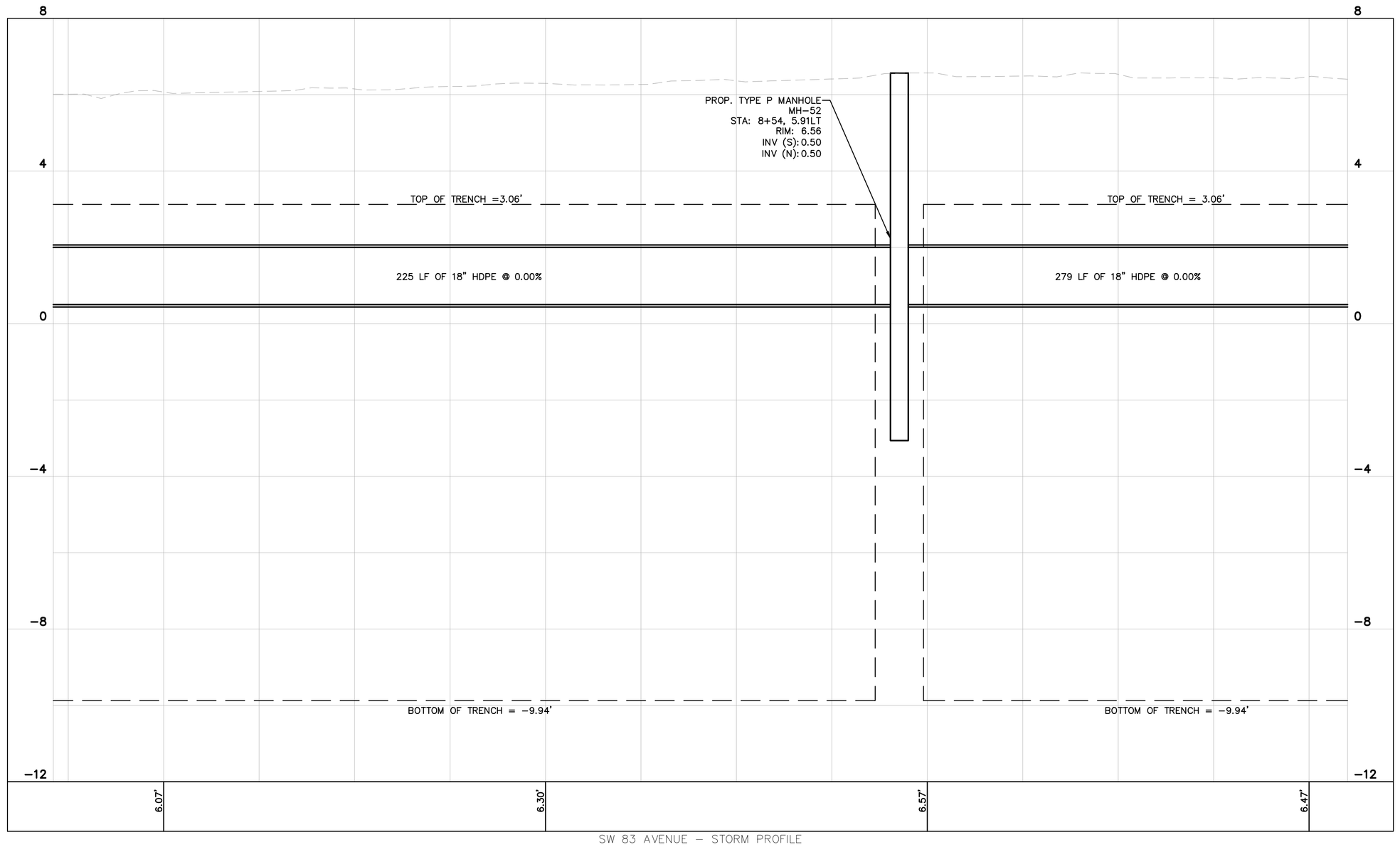
SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C302.18

KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
www.callbeforeyoudig.com

Plotted By: Rainier Flores Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C302.18 Paving Grading and Drainage Plan August 06, 2025 12:19:38pm K:\HI_civil\043_jobs\043145105_saga bay drainage improvements\CAD\sheets\C300.1 Paving, Grading, and Drainage Plan.dgn
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



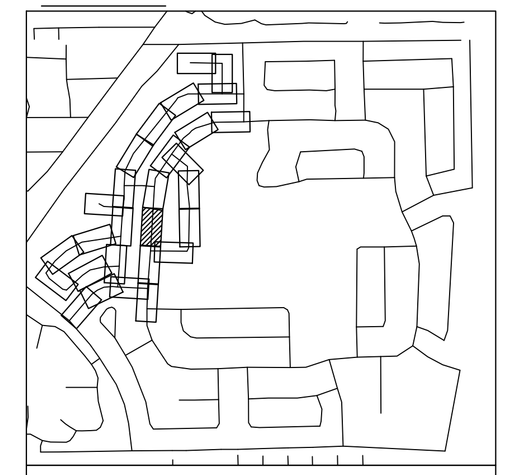


SW 83 AVENUE – STORM PROFILE
STA 371' TO STA 710'
1"=20' (HORZ.)
1"=2' (VERT)

GRAPHIC SCALE IN FEET
0 10 20 40

NORTH

KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.

KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG!
It's fast. It's free. It's the law.
www.sunshine811.com

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER

KHA PROJECT 043145105	
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

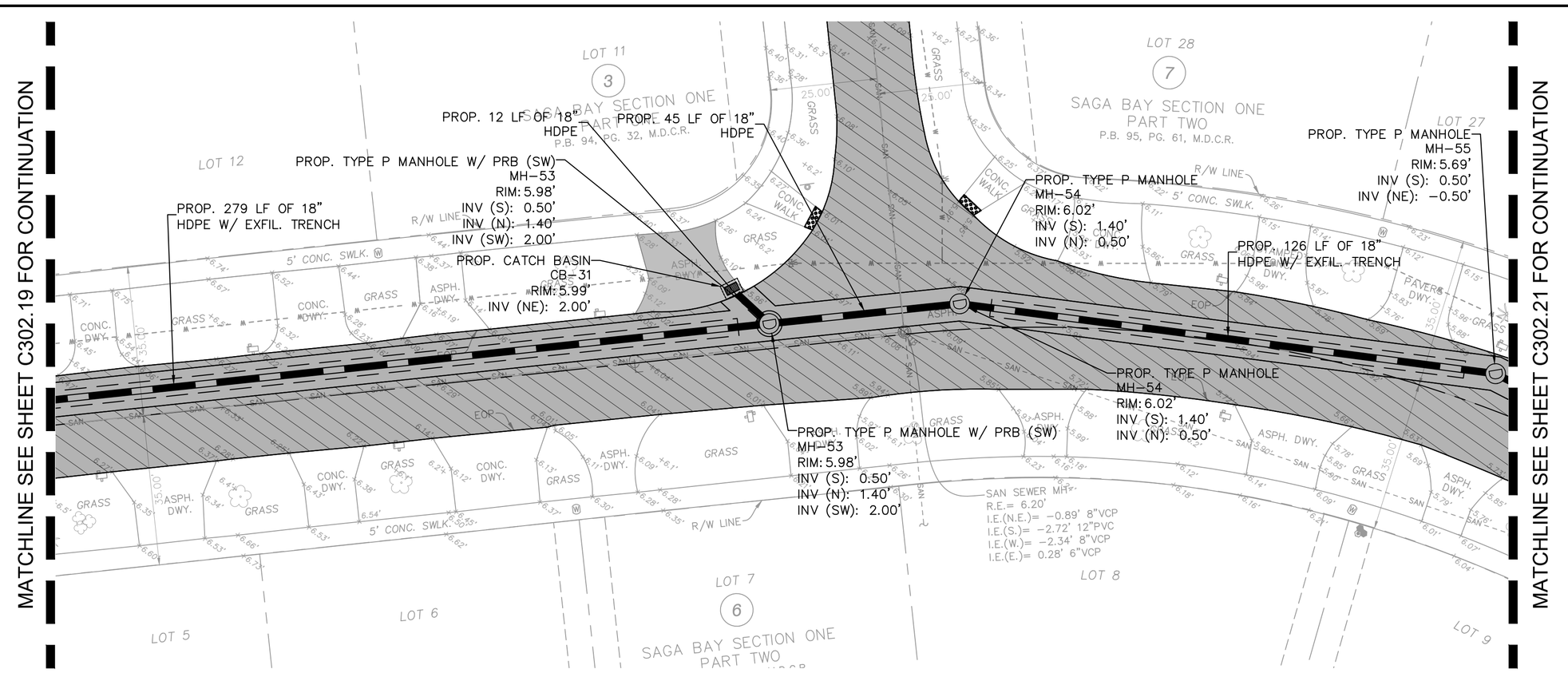
PAVING GRADING AND DRAINAGE PLAN

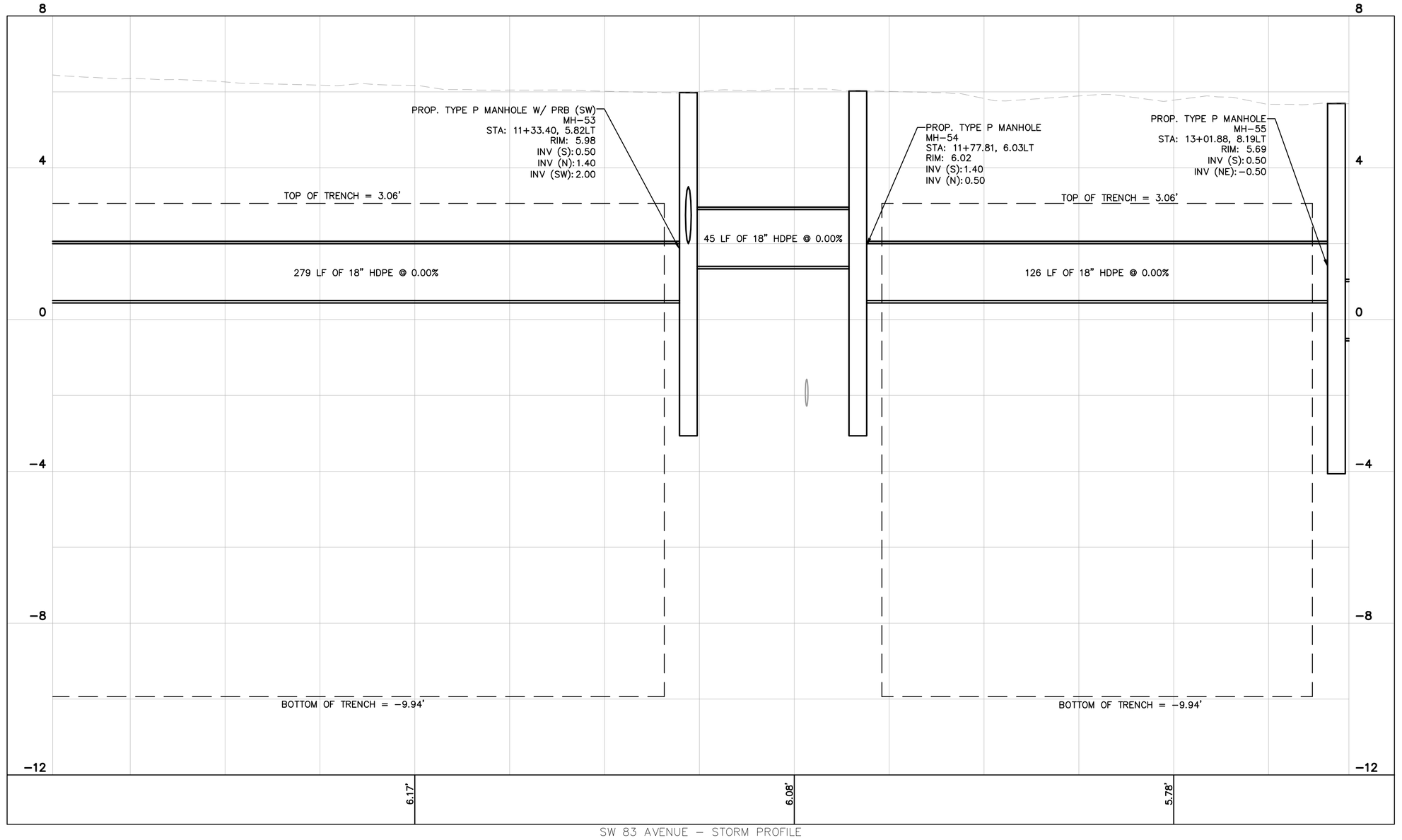
SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C302.19

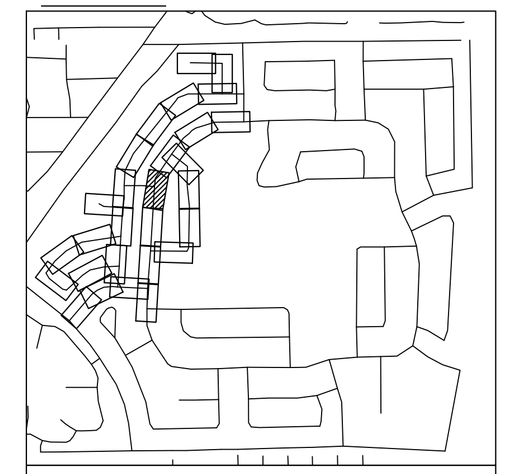
Plotted By:Rainier, Filipina Sheet Set:SAGA BAY DRAINAGE IMPROVEMENTS Layout:C302.19 Paving Grading and Drainage Plan August 05, 2026 12:19:47pm K:\MI_civil\043_jobs\043145106_saga bay drainage improvements\CAD\sheets\C302.19 Paving Grading and Drainage Plan.dgn
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Town of Cutler Bay | ITB No. 25-04
Saga Bay Drainage Improvements Project
Page 209 of 329





SW 83 AVENUE – STORM PROFILE
STA 705' TO STA 1046'
1"=20' (HORZ.)
1"=2' (VERT)



KEY MAP

LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: 10/9/2025

KHA PROJECT 043145105
DATE MAY 2025
SCALE AS SHOWN
DESIGNED BY TS
DRAWN BY DM
CHECKED BY SV

PAVING GRADING AND DRAINAGE PLAN

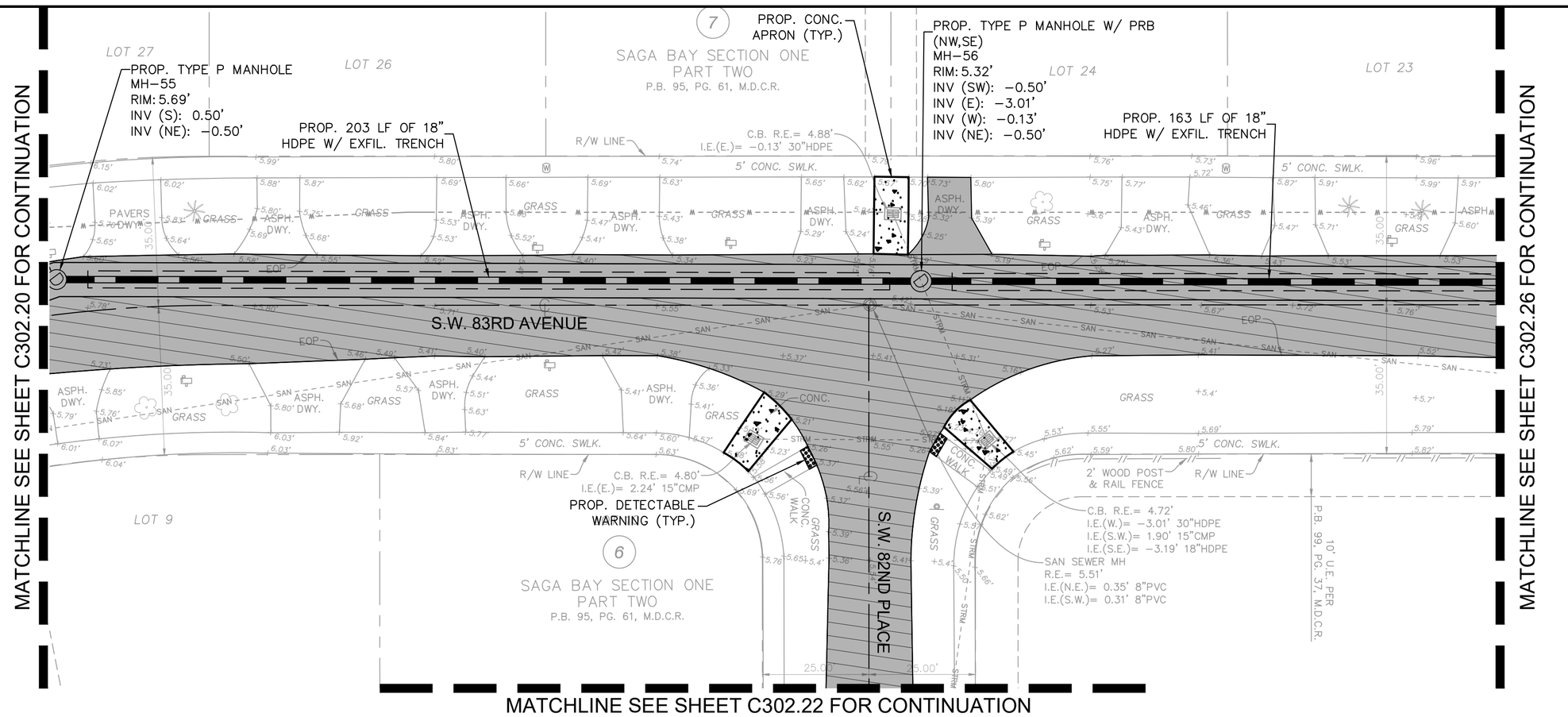
SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

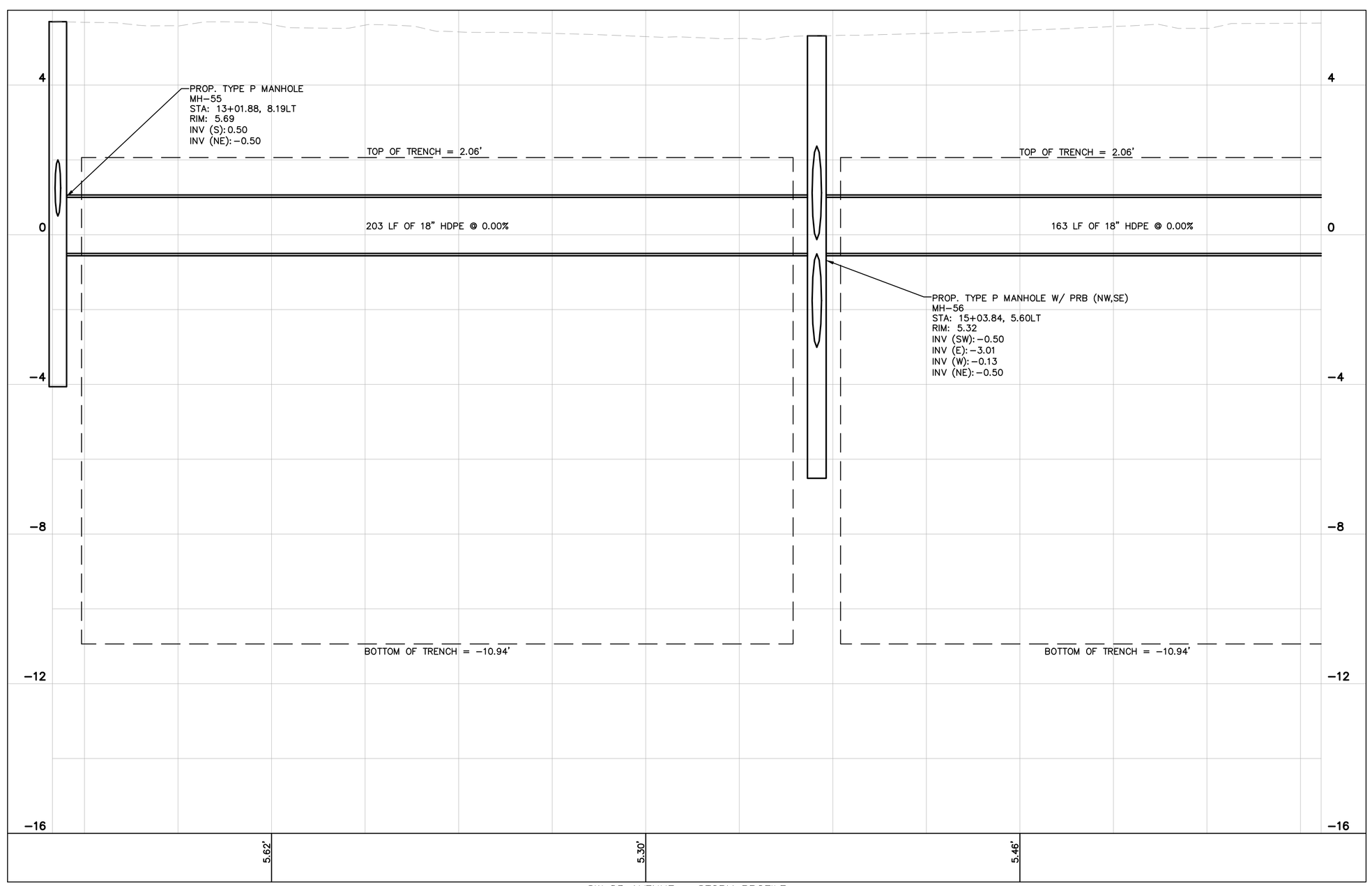
SHEET NUMBER
C302.20

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG www.callbeforeyoudig.com

Plotted By:Raziner Flores Sheet Set:SAGA BAY DRAINAGE IMPROVEMENTS Layout:C302.20 Paving Grading and Drainage Plan August 05, 2025 10:19:57am K:\MI_civil\043145105 saga bay drainage improvements\C4D\sheetset\C302.1 Paving Grading and Drainage Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Town of Cutler Bay | ITB No. 25-04
Saga Bay Drainage Improvements Project
Page 320 of 329

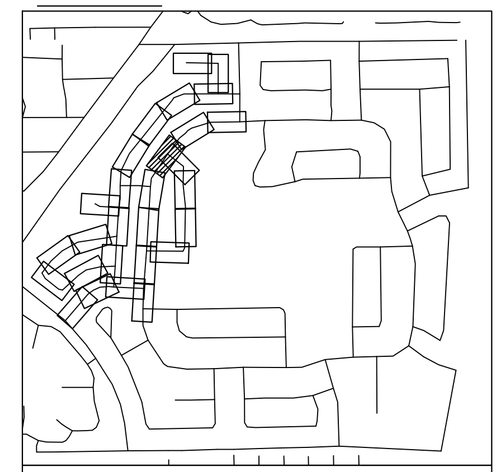




SW 83 AVENUE – STORM PROFILE
STA 1041' TO STA 1381'
1"=20' (HORZ.)
1"=2' (VERT)

GRAPHIC SCALE IN FEET
0 10 20 40

KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: 12/20/2025

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

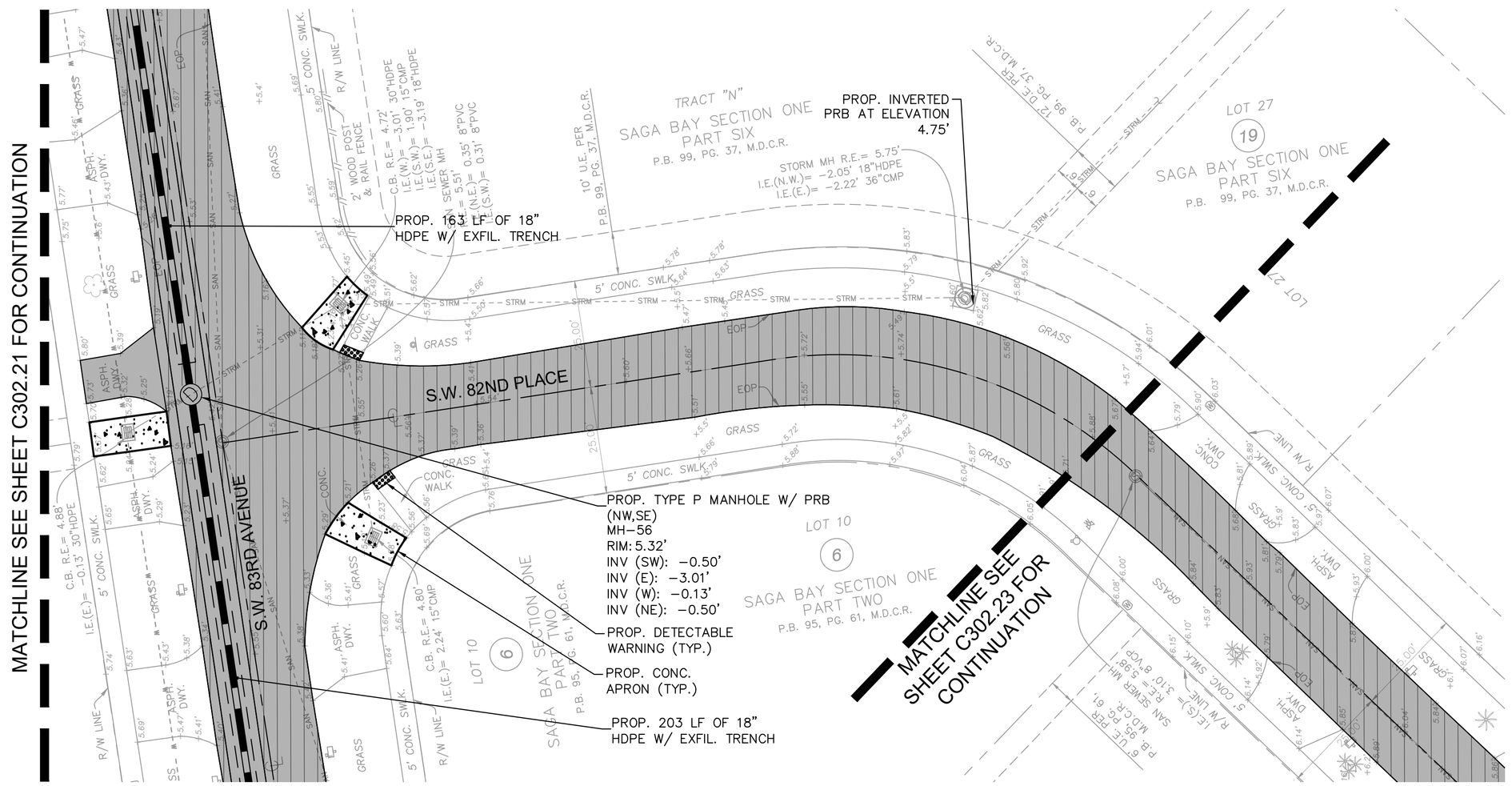
PAVING GRADING AND DRAINAGE PLAN

SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

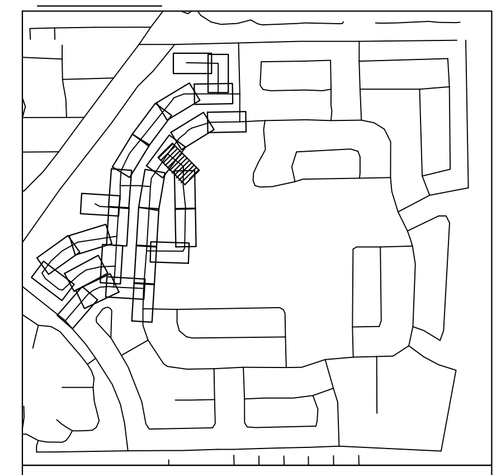
SHEET NUMBER
C302.21

KNOW WHAT'S BELOW CALL 811 BEFORE YOU DIG
811 Sunshine 811 It's the law. It's the law to dig.
www.callbeforeyoudig.com

Plotted By: Rapinder Filone, Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS, Layout: C302.21 Paving Grading and Drainage Plan, August 05, 2025 12:20:07pm K:\MI_civil\043145105\Engineering\Construction\C3D\Xrefs\C302.21 Paving Grading and Drainage Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

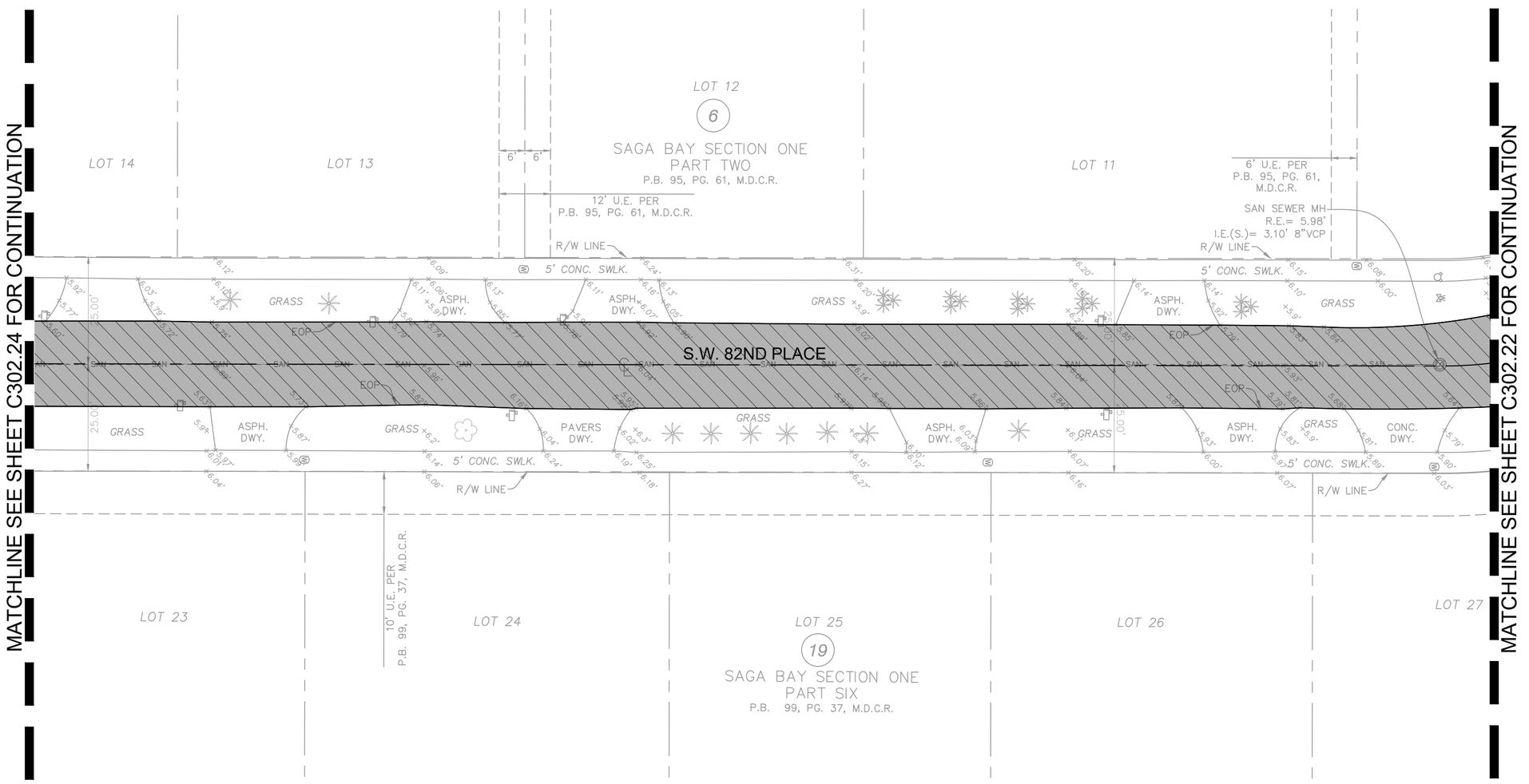
PAVING GRADING AND DRAINAGE PLAN

SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C302.22

Plotted By:Baptiste, Eliana Sheet Set:SAGA BAY DRAINAGE IMPROVEMENTS Layout:C302.22 Paving Grading and Drainage Plan August 06, 2025 - 12:20:17pm K:\MIA_civil\043145105 saga bay drainage improvements\CAD\sheetset\C300.1 Paving Grading and Drainage Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

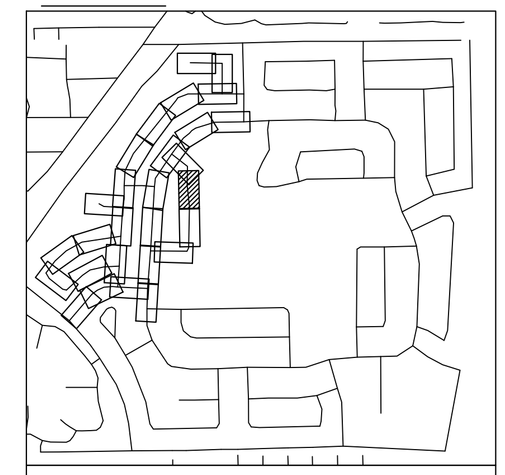
Town of Cutler Bay | ITB No. 25-04
Saga Bay Drainage Improvements
Page 222 of 230
Public Works Project



NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
Sunshine State One Call of Florida, Inc.
www.callsunshine.com

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: 10/1/2025

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

PAVING GRADING AND DRAINAGE PLAN

SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

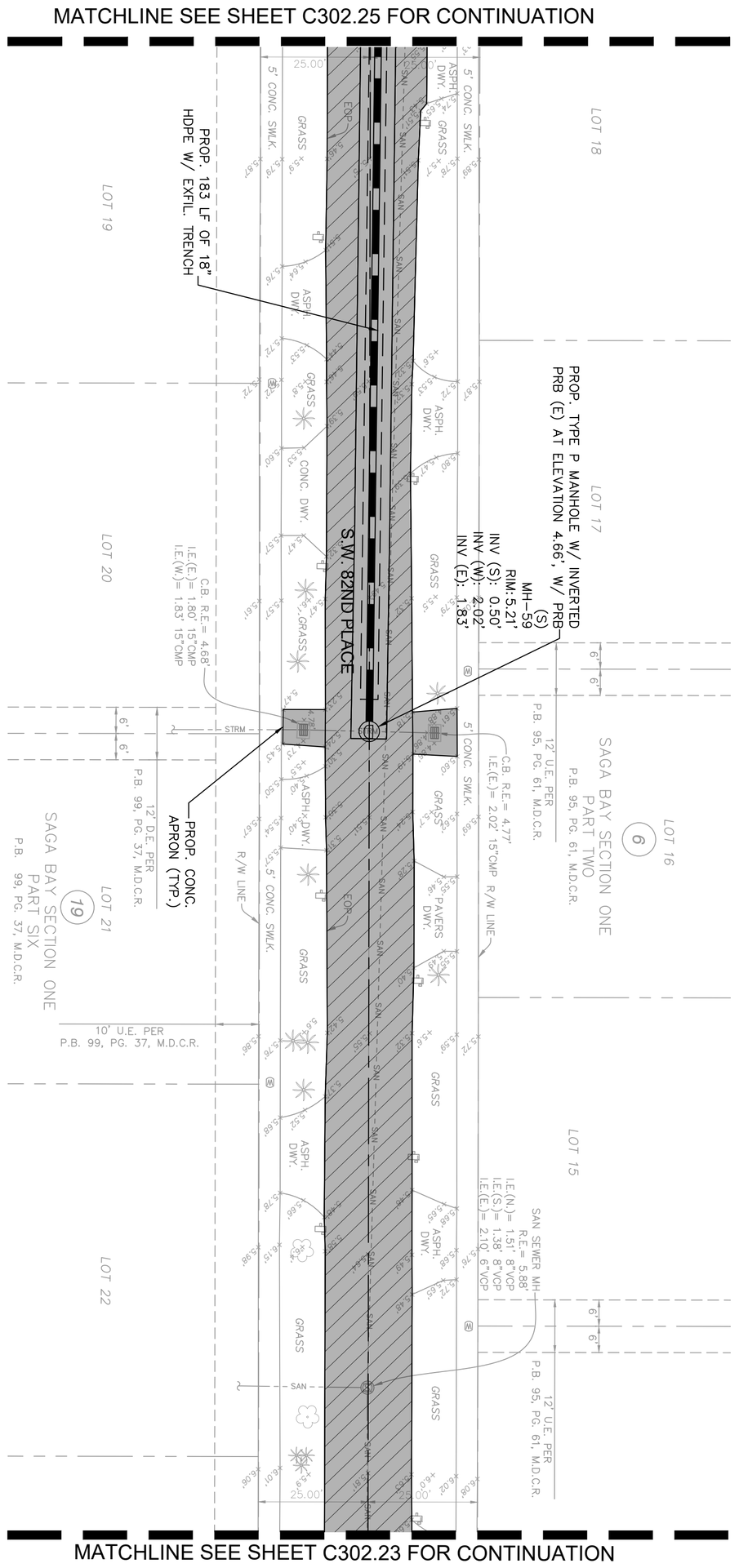
SHEET NUMBER
C302.23

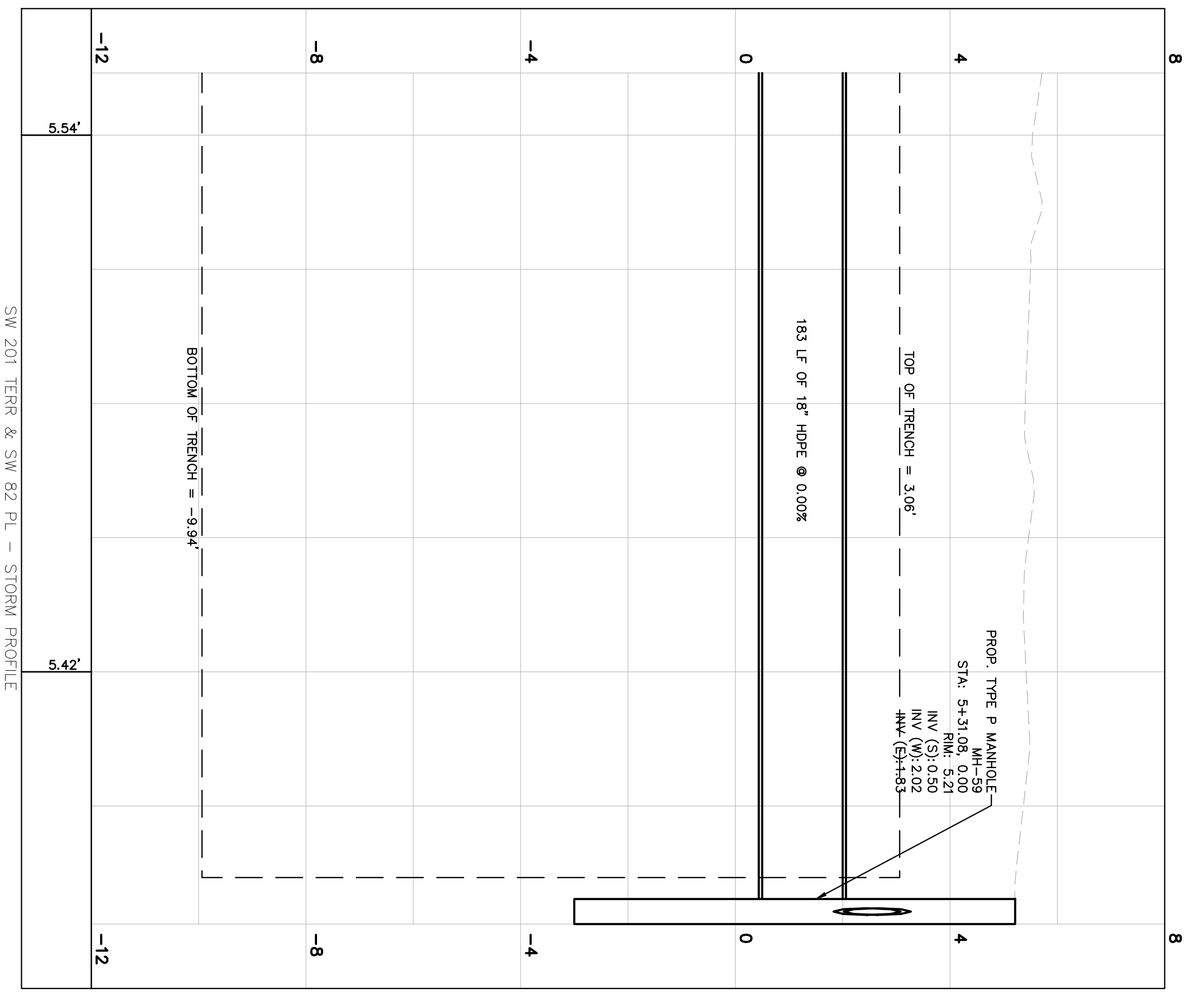
Plotted By:Baptiste, Eliana Sheet Set:SAGA BAY DRAINAGE IMPROVEMENTS Layout:C302.23 Paving, Grading and Drainage Plan August 06, 2025 - 12:20:27pm K:\MI_civil\043\043145105_saga bay drainage improvements\C3D\sheet set\C300.1 Paving, Grading and Drainage Plans.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Town of Cutler Bay | ITB No. 25-04
Saga Bay Drainage Improvements Project
Page 253 of 329

Plotted By: Beziner, Eliana Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C302.24 Paving Grading and Drainage Plan August 05, 2025 12:20:38pm K:\ftl_civil\043 jobs\043145105 saga bay drainage improvements\CAD\plansheets\C300.1 Paving, Grading, and Drainage Plan.dwg

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.





GRAPHIC SCALE IN FEET
0 10 20 40

NORTH

KEY MAP

LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.

811 SUNSHINE STATE ONE-CALL OF FLORIDA, INC. KNOW WHAT'S BELOW BEFORE YOU DIG! It's free. It's the law. It's the law. www.callsunshine.com

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

SHEET NUMBER C302.24

SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

PAVING GRADING AND DRAINAGE PLAN

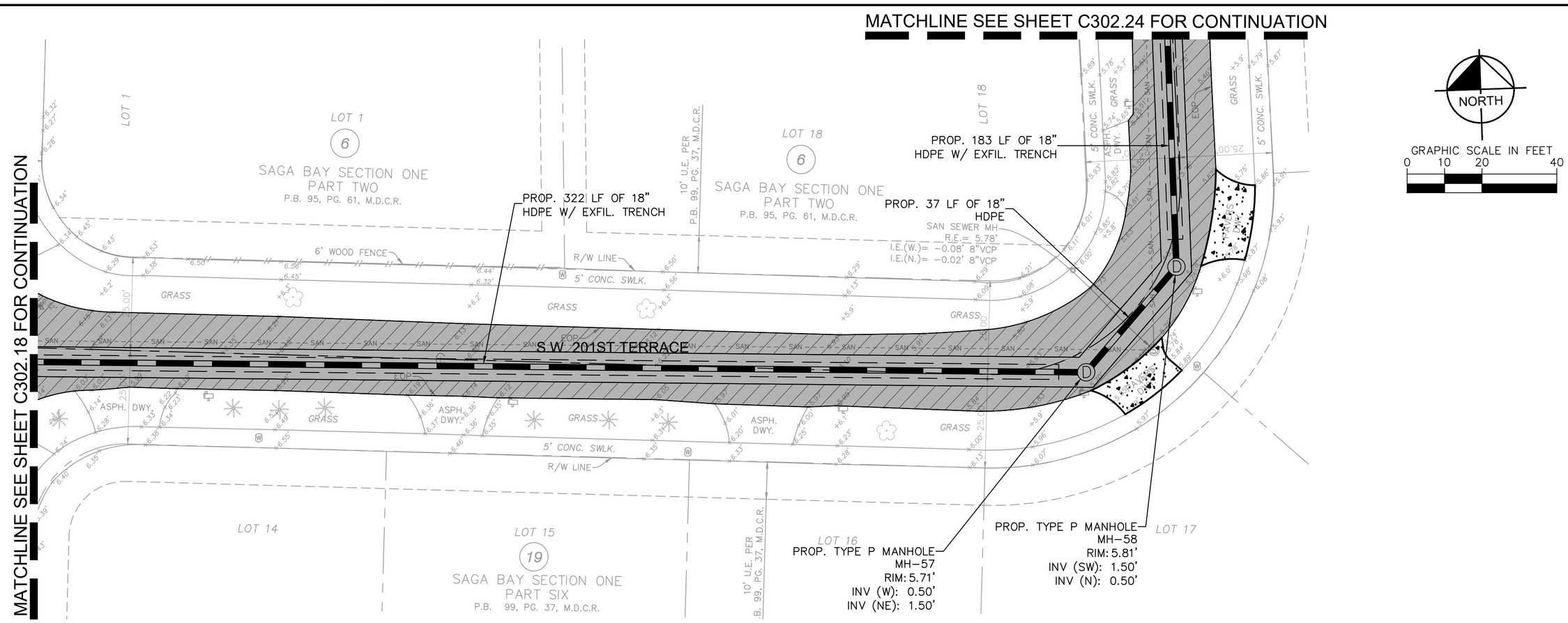
KHA PROJECT 043145105
DATE MAY 2025
SCALE AS SHOWN
DESIGNED BY TS
DRAWN BY DM
CHECKED BY SV

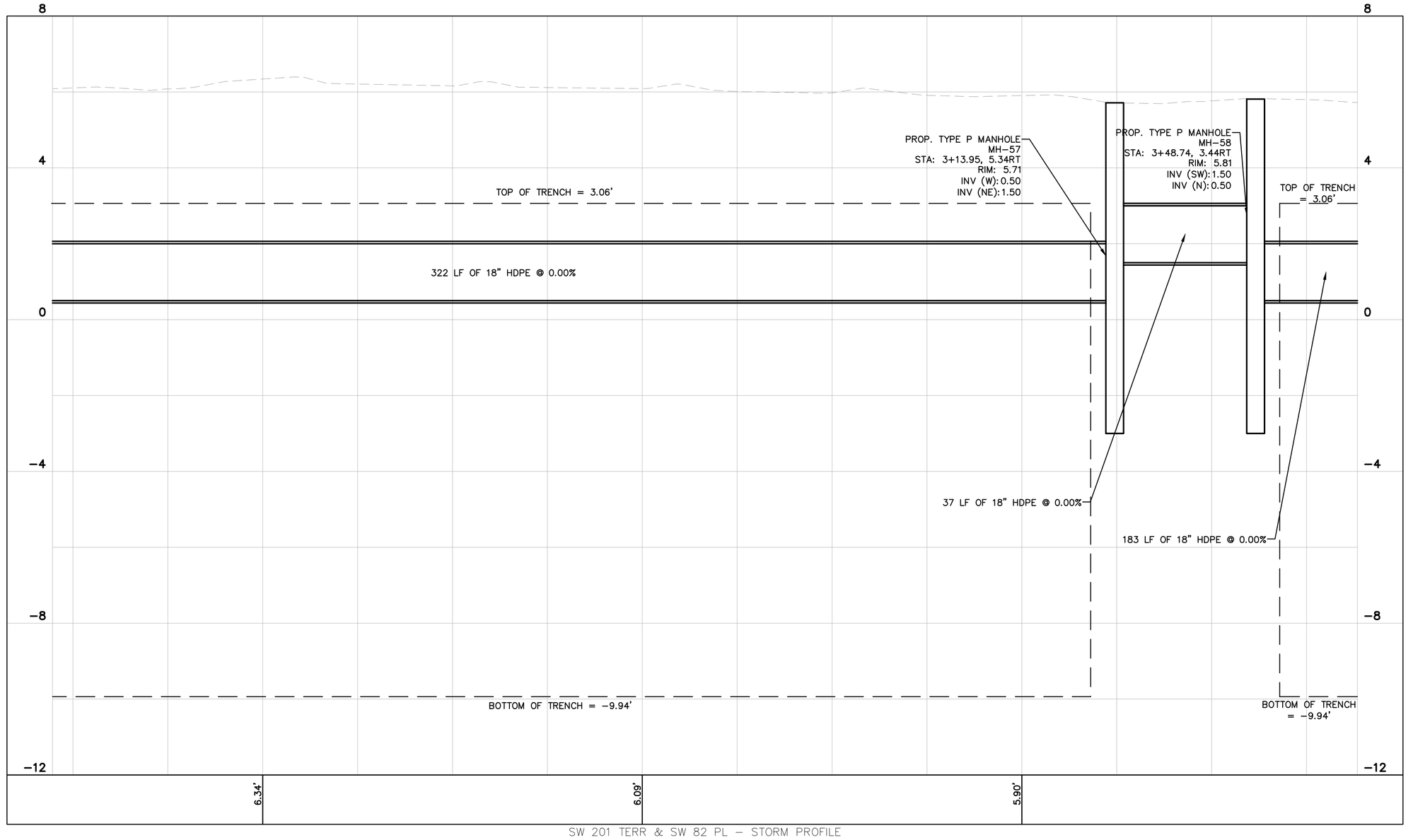
TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: 8/5/2025

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

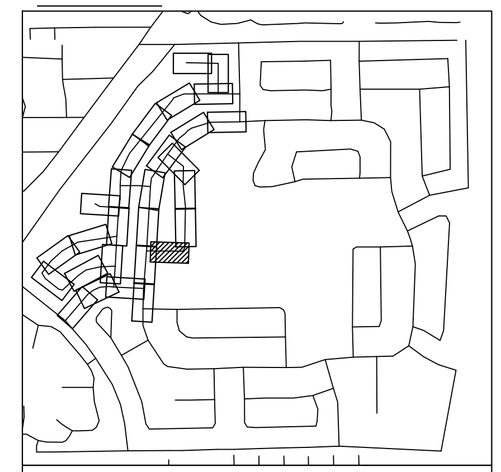
No.	REVISIONS	DATE	BY





SW 201 TERR & SW 82 PL – STORM PROFILE
STA 45' TO STA 388'
1"=20' (HORZ.)
1"=2' (VERT)

KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

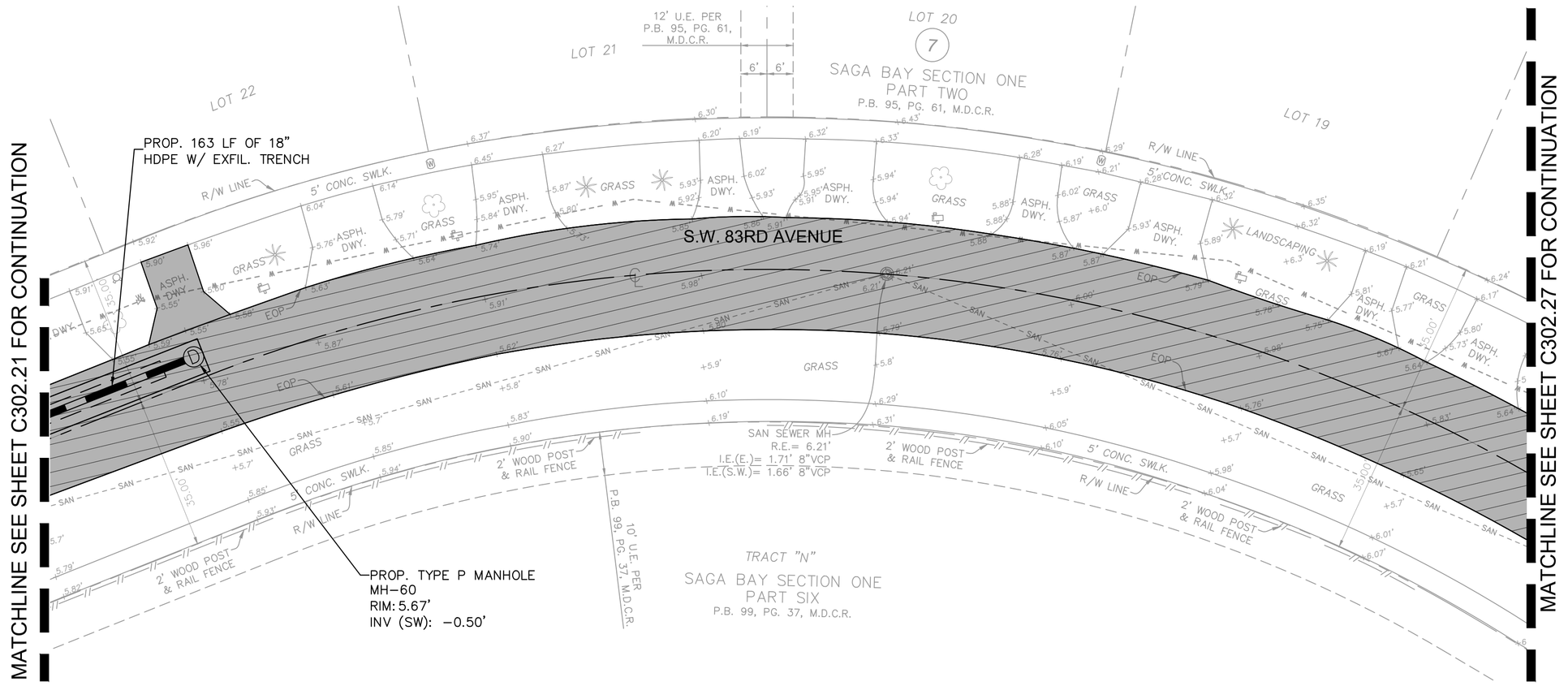
PAVING GRADING AND DRAINAGE PLAN

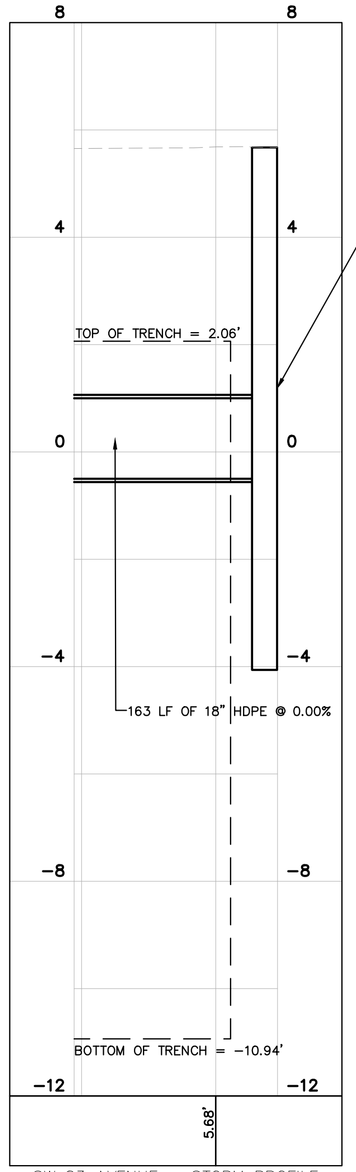
SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C302.25

KNOW WHAT'S BELOW Call 811 BEFORE YOU DIG
It's free. It's the law. It's the law.
www.callsunshine.com

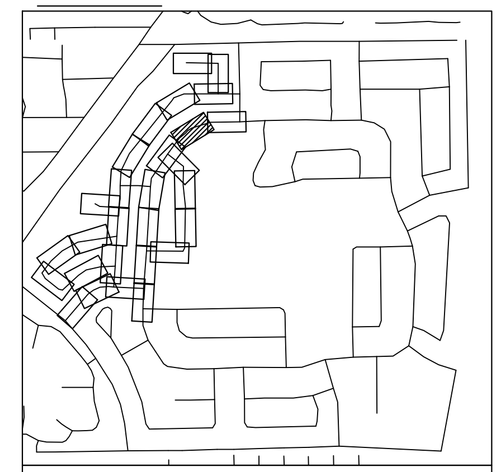
Plotted By: Rapinder Filipos Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C302.25 Paving Grading and Drainage Plan August 06, 2025 12:20:48pm K:\MIA_civil\043_John\043145105_saga bay drainage improvements\C3D\sheet set\C300.1 Paving Grading and Drainage Plans.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.





SW 83 AVENUE - STORM PROFILE
STA 1374' TO STA 1412'
1"=20' (HORZ.)
1"=2' (VERT)

KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON ★ LICENSE No 85268 ★ STATE OF FLORIDA ★ PROFESSIONAL ENGINEER
DATE: 08/06/2025

KHA PROJECT	
043145105	
DATE	
MAY 2025	
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

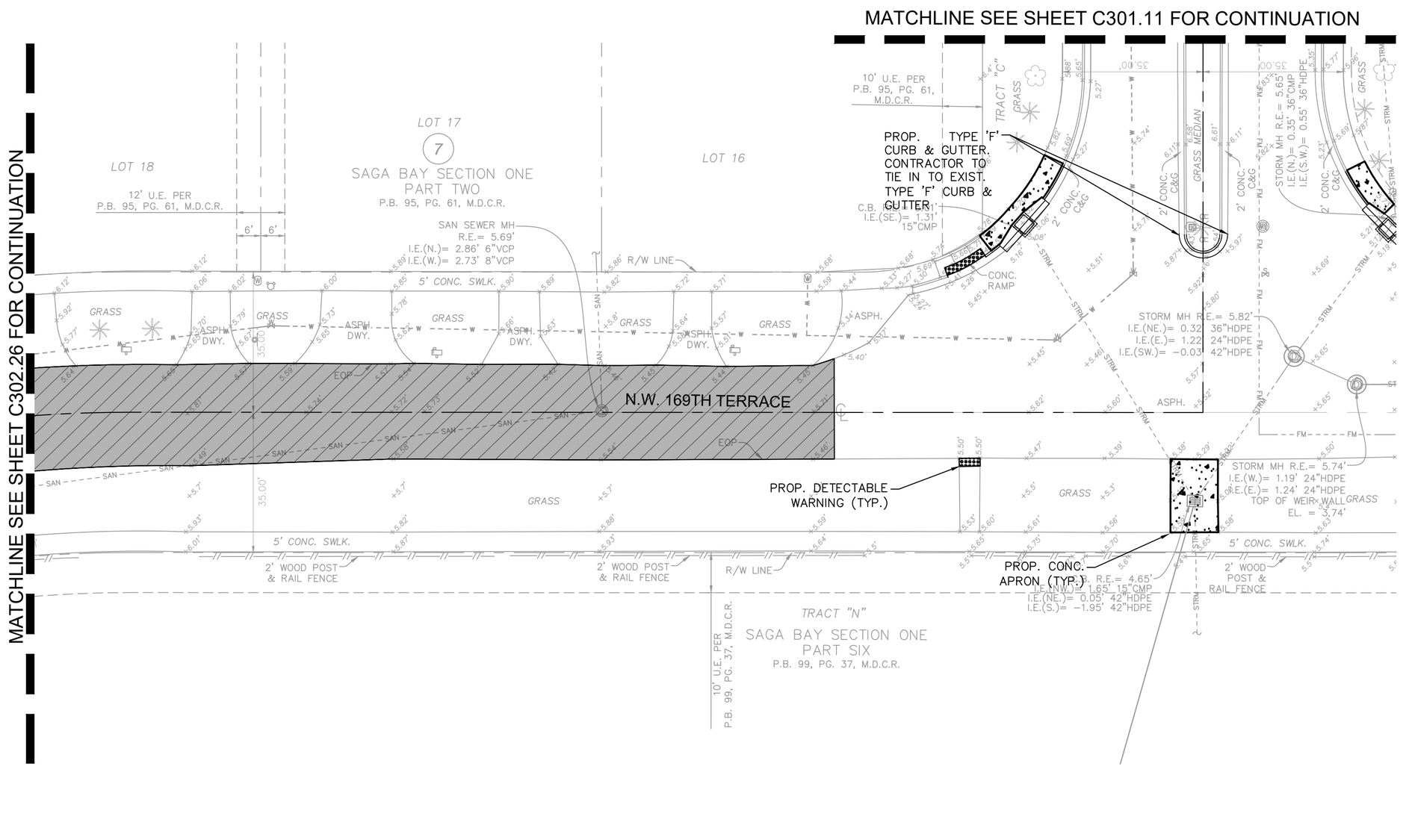
PAVING GRADING AND DRAINAGE PLAN

SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

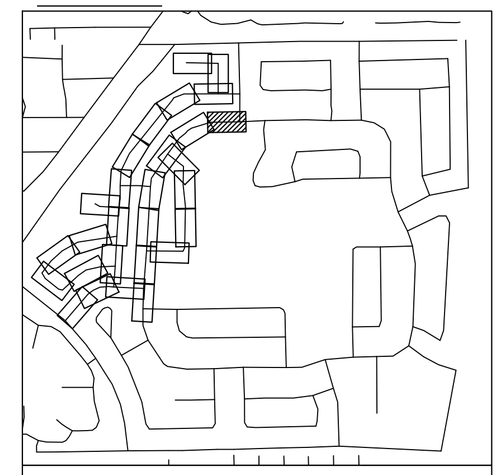
SHEET NUMBER
C302.26

811 KNOW WHAT'S BELOW. CALL BEFORE YOU DIG! It's the law. It's the law to me. www.callsunshine.com

Plotted By: Rapinder Flores Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C302.26 Paving Grading and Drainage Plan August 06, 2025 12:20:59pm K:\MI_civil\043 John\043145105 saga bay drainage improvements\CAD\civil\sheet set\C302.1 Paving Grading and Drainage Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
Sunshine State One Call of Florida, Inc.
www.callsunshine.com

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: 10/1/2025

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

PAVING GRADING AND DRAINAGE PLAN

SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

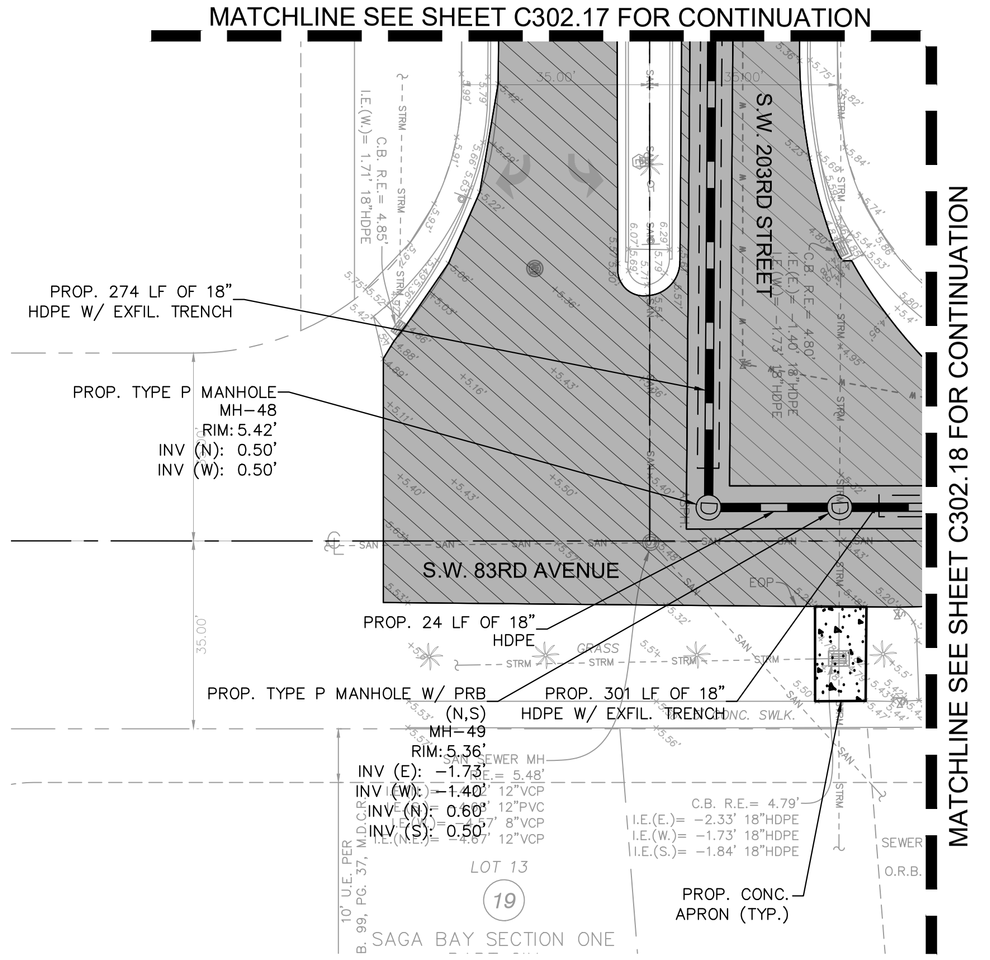
SHEET NUMBER
C302.27

Plotted By: Rayjnee Flores Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C302.27 Paving Grading and Drainage Plan August 06, 2025 - 12:21:06pm K:\MI_civil\043145105 saga bay drainage improvements\CAD\Working\C302.27 Paving Grading and Drainage Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Town of Cutler Bay | ITB No. 25-04
Saga Bay Drainage Improvements Project
Page 427 of 630

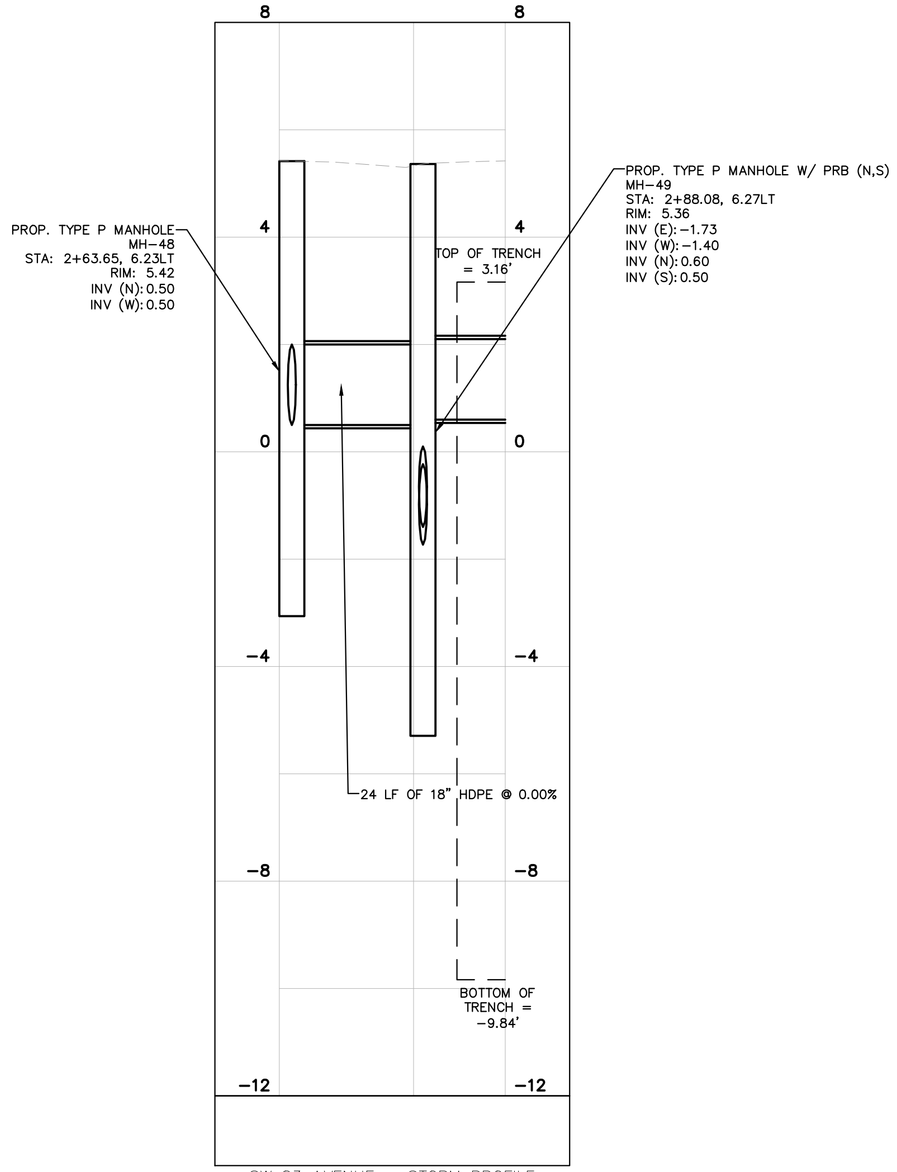
Plotted By: Rainier, Filipe Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C302.28 Paving Grading and Drainage Plan August 06, 2025 12:21:18pm K:\FL_civil\043_Jobs\043145105_saga bay drainage improvements\CAD\sheetset\C300.1 Paving, Grading, and Drainage Plan.dgn
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

MATCHLINE SEE SHEET C302.17 FOR CONTINUATION



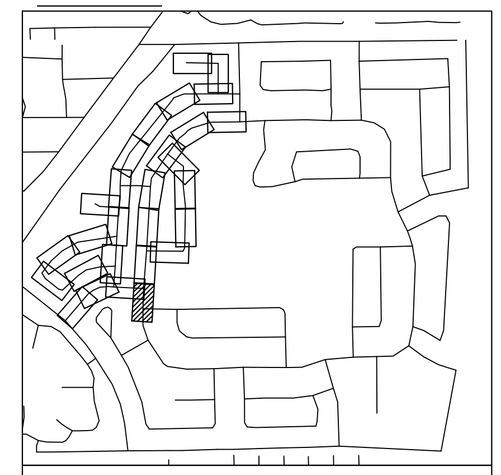
NORTH

GRAPHIC SCALE IN FEET
0 10 20 40



SW 83 AVENUE – STORM PROFILE
STA 0' TO STA 42'
1"=20' (HORZ.)
1"=2' (VERT)

KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER

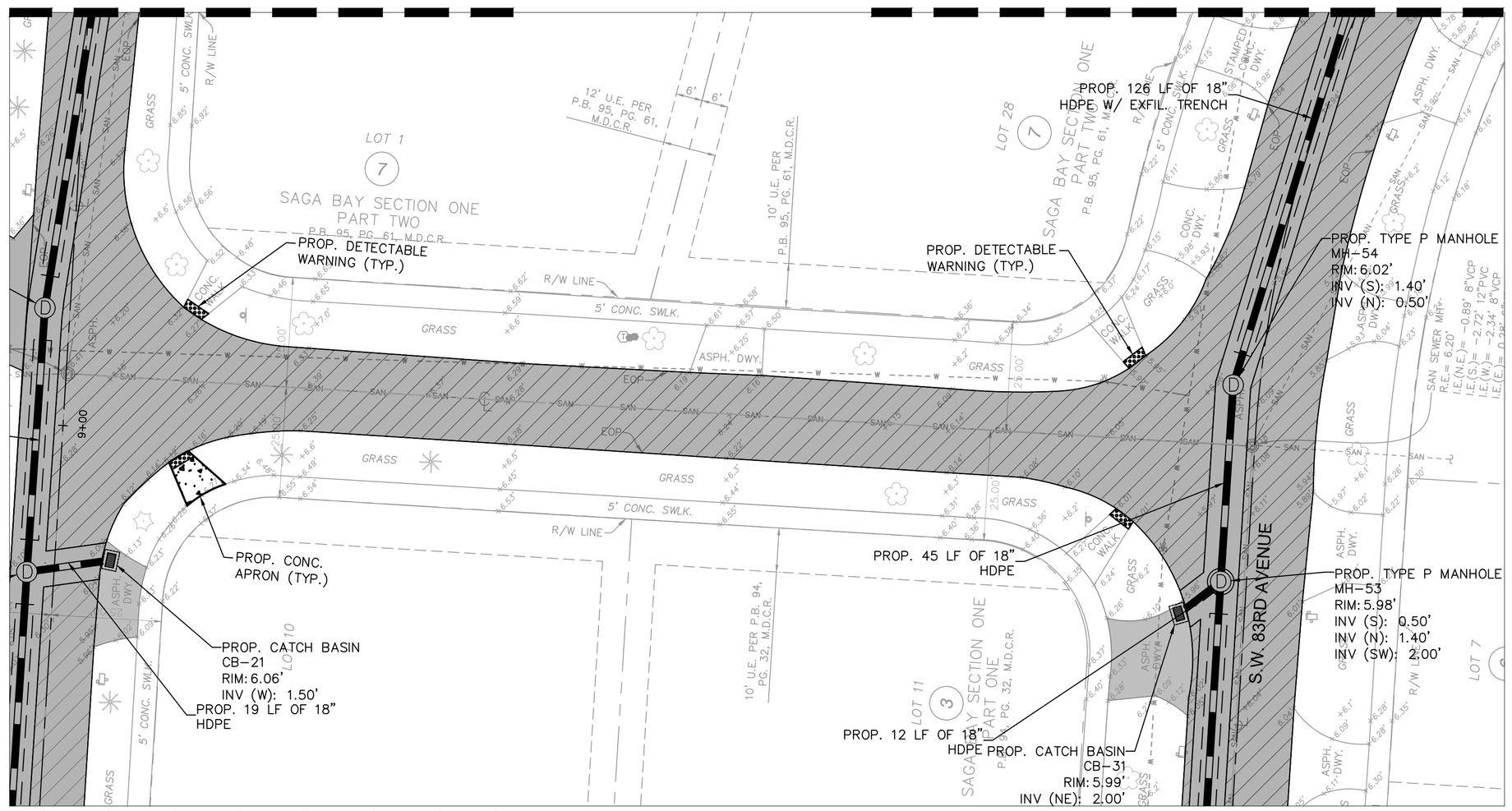
KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

PAVING GRADING AND DRAINAGE PLAN

SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C302.28

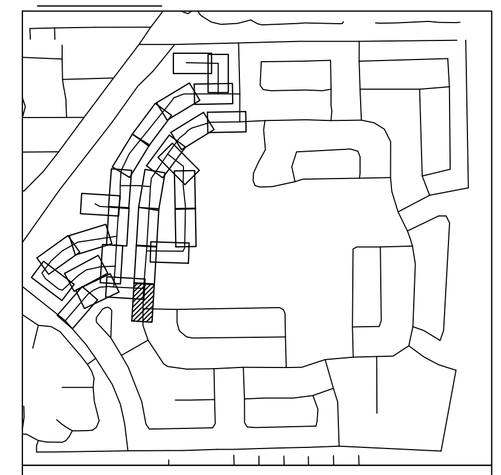
811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
www.callbeforeyoudig.com



NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON FILE LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER DATE: 5/1/2025

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

PAVING GRADING AND DRAINAGE PLAN

SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C302.29

Plotted By:Rayjnee Flores Sheet Set:SAGA BAY DRAINAGE IMPROVEMENTS Layout:C302.29 Paving Grading and Drainage Plan August 06, 2025 - 12:21:28pm K:\MI_civil\043145105 saga bay drainage improvements\CAD\sheetset\C300.1 Paving Grading and Drainage Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, inc.

Town of Cutler Bay | ITB No. 25-04
Saga Bay Drainage Improvements
Page 289 of 329
Public Works Project

MIAMI-DADE COUNTY
Building Business Every Day
WATER & SEWER DEPARTMENT

ITEM	ISSUE DATE	APPROVED BY
	10/1/2017	D.V.

STANDARD DETAIL

POTABLE WATER MAIN, WASTEWATER & STORM SEWER CONFLICT

GS 1.5
SHEET 1 OF 2

CROSS REF.

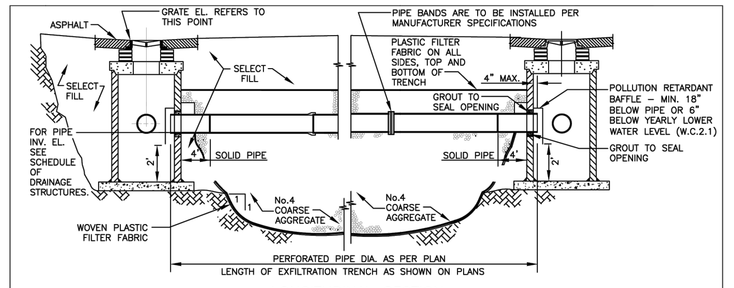
SPEC. REF.

LOCATION OF PUBLIC WATER SYSTEM MAINS ACCORDANCE WITH F.A.C. RULE 62-555.314

OTHER PIPE	HORIZONTAL SEPARATION	CROSSINGS (1)	JOINT SPACING @ CROSSINGS (FULL LENGTH OF PIPE CENTERED)
Storm Sewer; Stormwater Force Main; Reclaimed Water (2)	Water Main 3 ft. minimum	Water Main 12 inches is the minimum.	Alternate: 3 ft minimum Water Main
Vacuum Sanitary Sewer	Water Main 10 ft. preferred 3 ft. minimum	Water Main 12 inches preferred 6 inches minimum	Alternate: 3 ft minimum Water Main
Gravity or Pressure; Sanitary Sewer; Sanitary Sewer Force Main; Reclaimed Water (4)	Water Main 10 ft. preferred 6 ft. minimum (3)	Water Main 12 inches is the minimum.	Alternate: 6 ft minimum Water Main
On-Site Sewage Treatment & Disposal System	10 ft minimum	-	-

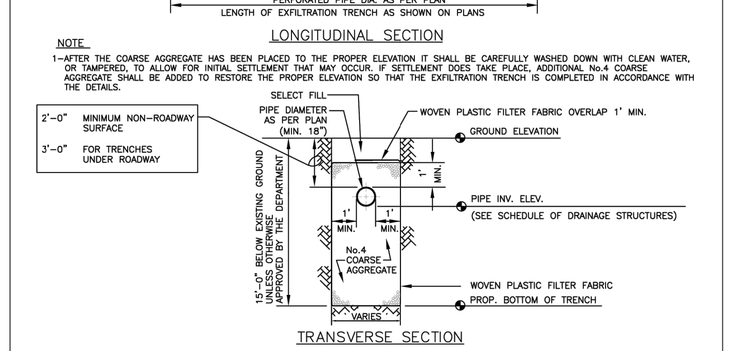
NOTES:

(1) WATER MAIN SHOULD BE ABOVE OTHER PIPE. WHEN WATER MAIN MUST BE BELOW OTHER PIPE, THE MINIMUM SEPARATION IS 12 INCHES.
(2) RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
(3) 3 FT. GRAVITY SANITARY SEWER WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST 6 INCHES ABOVE THE TOP OF THE GRAVITY SANITARY SEWER.
(4) RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

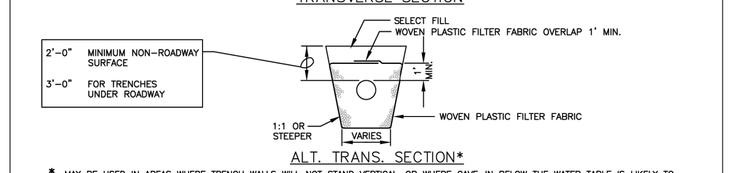


LONGITUDINAL SECTION

NOTE
1-AFTER THE COARSE AGGREGATE HAS BEEN PLACED TO THE PROPER ELEVATION IT SHALL BE CAREFULLY WASHED DOWN WITH CLEAN WATER, OR TAMPERED, TO ALLOW FOR INITIAL SETTLEMENT THAT MAY OCCUR. IF SETTLEMENT DOES TAKE PLACE, ADDITIONAL No.4 COARSE AGGREGATE SHALL BE ADDED TO RESTORE THE PROPER ELEVATION SO THAT THE EXFILTRATION TRENCH IS COMPLETED IN ACCORDANCE WITH THE DETAILS.



TRANSVERSE SECTION



ALT. TRANS. SECTION*

* MAY BE USED IN AREAS WHERE TRENCH WALLS WILL NOT STAND VERTICAL, OR WHERE CAVE-IN BELOW THE WATER TABLE IS LIKELY TO OCCUR. TO BE USED AT THE ENGINEER'S DISCRETION.

NOTES (CONTINUED ON NEXT PAGE)
1. PLASTIC FILTER FABRIC SHALL BE WOVEN MONOFILAMENT POLYPROPYLENE GEOTEXTILE. PERMITTIVITY SHALL BE GREATER THAN 0.50 SEC AND FLOW RATE GREATER OR EQUAL TO 50 gal/min.
2. MAXIMUM EXFILTRATION RATE WHICH CAN BE USED IN CALCULATING FRENCH DRAIN LENGTH IS 0.1 cfs/lf.

MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS	APPROVED 04/16/2015	REVISED 02/08/2011 09/26/2012 10/19/2012	STANDARD STORM DRAINAGE DETAIL EXFILTRATION TRENCH (FRENCH DRAIN)	SD 1.1 SHEET 1 OF 2

NOTES CONTINUED

3. THE MINIMUM PIPE DIAMETER FOR DRAINAGE SYSTEM WITHIN THE ROADWAY RIGHT-OF-WAY SHALL BE 18 INCHES. 15 INCH PIPE MAY BE USED IN PRIVATE ROADWAYS.
4. NO TREES TO BE PLANTED WITHIN 5 FEET OF THE EDGE OF THE TRENCH.
5. TYPE "P" S.D. 2.6 STRUCTURE IS RECOMMENDED FOR SMALL DRAINAGE AREAS LESS THAN 0.2 ACRE PER CATCH BASIN.
6. TYPE "C" S.D. 2.6 STRUCTURE IS RECOMMENDED FOR AREAS LARGER THAN 0.2 ACRE.
7. THE INVERTS OF EXFILTRATION TRENCH TO BE AT LEAST 18" ABOVE THE MAXIMUM W.T.E. W.C. 2.2.
8. PIPES CAN BE ALLOWED BELOW MEAN HIGH OCTOBER WATER TABLE DUE TO UTILITY CONFLICTS OR IN ORDER TO PROVIDE THE REQUIRED MINIMUM COVER.
9. NEOPRENE GASKET REQUIRED FOR BAFFLES ON ALL CONTACT EDGES MOUNTED ON WALL.
10. OIL AND GREASE BAFFLE IS REQUIRED FOR ALL DRAINAGE STRUCTURES PRECEDING AN OUTFALL OR EXFILTRATION TRENCHES, IN PROJECTS LOCATED IN WELLFIELD PROTECTION AREAS, ROAD INTERSECTIONS WITH TRAFFIC LIGHTS, AND LARGE PARKING LOTS WHICH INCLUDE 15 PARKING SPACES OR MORE.
11. OIL AND GREASE BAFFLE MAY BE WAIVED IN SUBURBAN RESIDENTIAL AREAS.

GENERAL NOTES FOR PIPE CULVERTS

CONTRACTOR HAS THE OPTION OF INSTALLING ANY PIPE MEETING THE REQUIREMENTS OF SECTION 443-2 OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AS LONG AS THE MANUFACTURER IS LISTED, AT THE TIME OF PIPE INSTALLATION, IN FDOT'S LIST OF PRODUCERS WITH ACCEPTED QUALITY CONTROL PROGRAMS. PIPES WITH LESS THAN A 100-YEAR CERTIFICATION CANNOT BE USED ON SECTION LINE, HALF SECTION LINE, COLLECTOR ROADWAYS, AND ARTERIALS. 50-YEAR PIPE CERTIFICATION REQUIRED FOR ALL OTHER MINOR/LOCAL ROADWAYS.

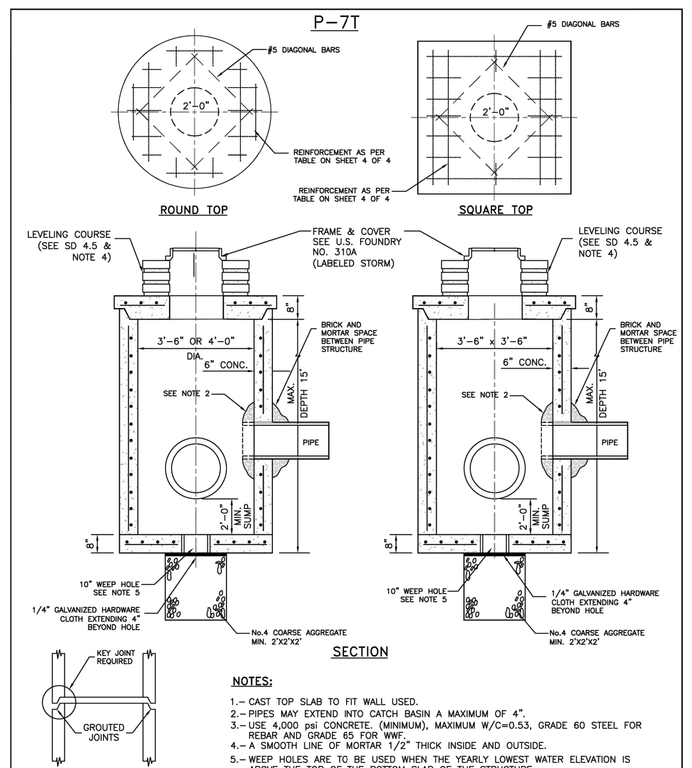
MINIMUM NUMBER OF PERFORATION IN PIPE CULVERTS

PIPE DIAMETER (Inches)	OUTER SHELL	LINER
	No. of 3/8" Dia. Holes (PER LIN. FT. OF PIPE)	No. of 5/8" Dia. Holes (PER LIN. FT. OF PIPE)
15	100	50
18	120	60
24	160	80
30	200	100
36	240	120
42	275	140
48	315	150
54	355	180
60	395	200
72	470	235
84	550	275

NOTE:
PERFORATIONS SHALL BE UNIFORMLY SPACED AROUND THE FULL PERIPHERY OF THE PIPE TO WITHIN 4" OF EACH END OF EACH LENGTH OF PIPE. THE NUMBER OF PERFORATIONS PER LINEAR FOOT OF PIPE AND THE DIAMETER OF THE PERFORATIONS SHALL BE AS SHOWN ON THE ABOVE TABLE.

MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS	APPROVED 04/16/2015	REVISED 06-04-86 10-22-13 05-02-81	STANDARD STORM DRAINAGE DETAIL EXFILTRATION TRENCH (PIPE CULVERT NOTES)	SD 1.1 SHEET 2 OF 2

P-7T



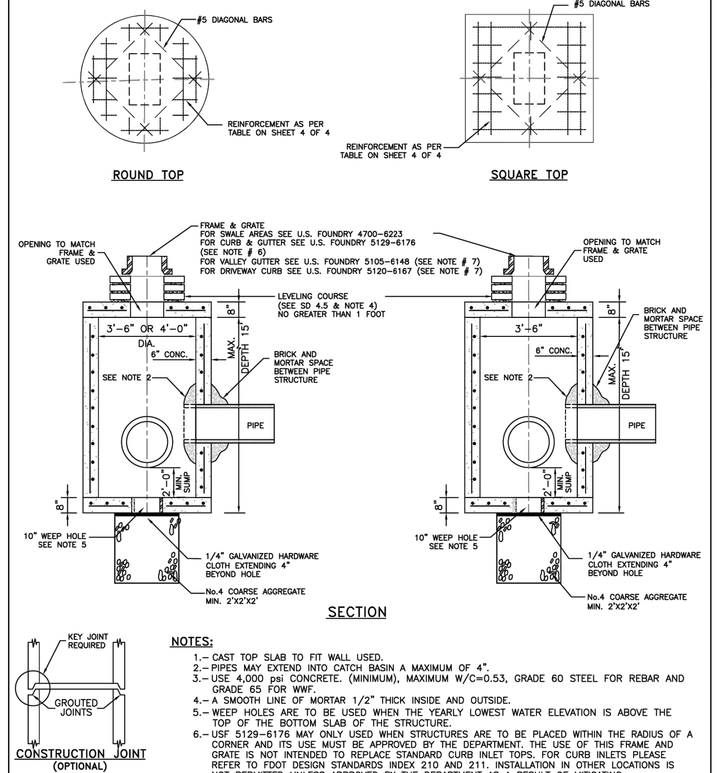
SECTION

NOTES:

1.- CAST TOP SLAB TO FIT WALL USED.
2.- PIPES MAY EXTEND INTO CATCH BASIN A MAXIMUM OF 4".
3.- USE 4,000 psi CONCRETE, (MINIMUM), MAXIMUM W/C=0.53, GRADE 60 STEEL FOR REBAR AND GRADE 65 FOR WWF.
4.- A SMOOTH LINE OF MORTAR 1/2" THICK INSIDE AND OUTSIDE.
5.- WEEP HOLES ARE TO BE USED WHEN THE YEARLY LOWEST WATER ELEVATION IS ABOVE THE TOP OF THE BOTTOM SLAB OF THE STRUCTURE.

MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS	APPROVED 5/8/2018	REVISED 5/8/2018	STANDARD STORM DRAINAGE DETAIL MANHOLE AND INLET (TYPE P)	SD 2.7 SHEET 1 OF 4

P-10M



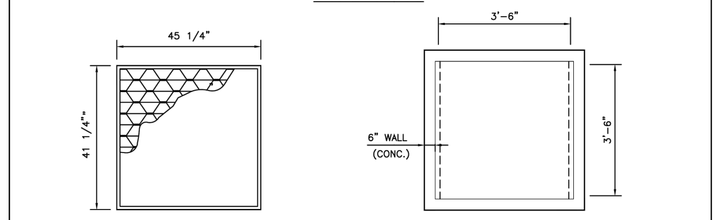
SECTION

NOTES:

1.- CAST TOP SLAB TO FIT WALL USED.
2.- PIPES MAY EXTEND INTO CATCH BASIN A MAXIMUM OF 4".
3.- USE 4,000 psi CONCRETE, (MINIMUM), MAXIMUM W/C=0.53, GRADE 60 STEEL FOR REBAR AND GRADE 65 FOR WWF.
4.- A SMOOTH LINE OF MORTAR 1/2" THICK INSIDE AND OUTSIDE.
5.- WEEP HOLES ARE TO BE USED WHEN THE YEARLY LOWEST WATER ELEVATION IS ABOVE THE TOP OF THE BOTTOM SLAB OF THE STRUCTURE.
6.- USF 5129-6176 MAY ONLY USED WHEN STRUCTURES ARE TO BE PLACED WITHIN THE RADIUS OF A CORNER AND ITS USE MUST BE APPROVED BY THE DEPARTMENT. THE USE OF THIS FRAME AND GRATE IS NOT INTENDED TO REPLACE STANDARD CURB INLET TOPS. FOR CURB INLETS PLEASE REFER TO FDOT DESIGN STANDARDS INDEX 210 AND 211. INSTALLATION IN OTHER LOCATIONS IS NOT PERMITTED UNLESS APPROVED BY THE DEPARTMENT AS A RESULT OF MITIGATING CIRCUMSTANCES.

MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS	APPROVED 5/8/2018	REVISED 5/8/2018	STANDARD STORM DRAINAGE DETAIL MANHOLE AND INLET (TYPE P)	SD 2.7 SHEET 2 OF 4

TYPE P-10



STEEL GRATING

U.S. FOUNDRY NO. 6646
GRATE (or EQUAL)
STRAIGHT BARS 6" x 1 1/2"
RETICULINE BARS 1 1/4" x 3/16"
WEIGHT 445 lbs. (APPROX.)

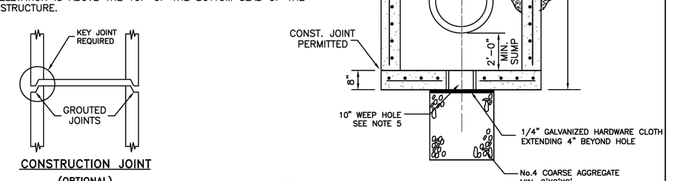
NOTE:

1.- ANY GRATING THAT IS CAPABLE OF SUPPORTING H-20 LOADS MAY BE SUBSTITUTED FOR THE U.S. FOUNDRY NO. 6646 UPON APPROVAL OF THE DEPARTMENT PROVIDING IT MEETS THE FOLLOWINGS CONDITIONS:
a-MANUFACTURER MUST BE LISTED IN FDOT'S QPL.
b-THE NET OPEN AREA OF THE GRATE MUST NOT BE LESS THAN THAT OF THE U.S. FOUNDRY NO. 6646.
c-THE MAXIMUM DISTANCE (MEASURED PERPENDICULAR) BETWEEN BARS DOES NOT EXCEED 3".

2.- PIPES MAY EXTEND INTO CATCH BASIN MAXIMUM OF 4".

3.- USE 4,000 psi CONCRETE (MINIMUM), MAXIMUM W/C=0.53, GRADE 60 STEEL FOR REBAR AND GRADE 65 FOR WWF.

4.- WEEP HOLES ARE TO BE USED WHEN THE YEARLY LOWEST WATER ELEVATION IS ABOVE THE TOP OF THE BOTTOM SLAB OF THE STRUCTURE.



PLAN

MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS	APPROVED 5/8/2018	REVISED 5/8/2018	STANDARD STORM DRAINAGE DETAIL MANHOLE AND INLET (TYPE P)	SD 2.7 SHEET 3 OF 4

SQUARE STRUCTURE

Standard Detail	Width (ft)	Length (ft)	Height (ft)	Wall Thickness (in)	Wall Steel	Top Slab Thickness (in)	Top Slab Steel	Bottom Slab Thickness (in)	Bottom Slab Steel
2.7	3.5	3.5	0.0 - 5.0	6.0	#4@10"H #4@10"V	8.0	#4@7" E.W.	8.0	#4@10" E.W.
2.7	3.5	3.5	5.1 - 10.0	6.0	#4@9"H #4@10"V	8.0	#4@6" E.W.	8.0	#4@10" E.W.
2.7	3.5	3.5	10.1-15.0	6.0	#5@6"H #4@10"V	8.0	#4@6.5" E.W.	8.0	#4@10" E.W.

ROUND STRUCTURE

Standard Detail	Dia. (ft) Min.	Dia. (ft) Max.	Height (ft)	Wall Thickness (in)	Wall Steel	Top Slab Thickness (in)	Top Slab Steel	Bottom Slab Thickness (in)	Bottom Slab Steel
2.7	3.5	4.0	0.0 - 5.0	6.0	8 x 8 W20 or #4@10"E.W	8.0	#4@7" E.W.	8.0	#4@10" E.W.
2.7	3.5	4.0	5.1 - 10.0	6.0	8 x 8 W20 or #4@10"E.W	8.0	#4@6" E.W.	8.0	#4@10" E.W.
2.7	3.5	4.0	10.1 - 15.0	6.0	8 x 8 W20 or #4@10"E.W	8.0	#4@6.5" E.W.	8.0	#4@10" E.W.

MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS	APPROVED 5/8/2018	REVISED 5/8/2018	STANDARD STORM DRAINAGE DETAIL MANHOLE AND INLET (TYPE P)	SD 2.7 SHEET 4 OF 4

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

No.	REVISIONS	DATE	BY

TIFFANY STANTON ★ No 85268 ★ STATE OF FLORIDA ★ PROFESSIONAL ENGINEER

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

KHA PROJECT 043145105
DATE MAY 2025
SCALE AS SHOWN
DESIGNED BY TS
DRAWN BY DM
CHECKED BY SV

PAVING GRADING AND DRAINAGE DETAILS

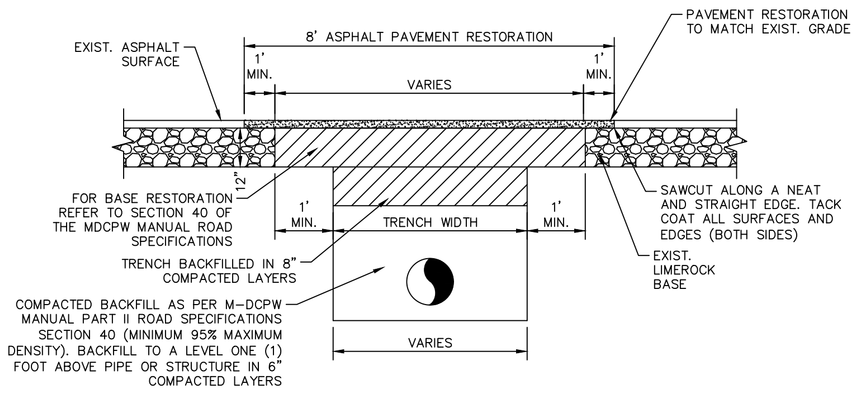
SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C302.30

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By:Rainier, Flinn, Sheet Set:SAGA BAY DRAINAGE IMPROVEMENTS, Layout:C302.30 Paving Grading and Drainage Details, August 05, 2025, 12:21:43pm, K:\MI_civil\043145105 saga bay drainage improvements\C4D\plansheets\C302.1 Paving, Grading and Drainage Details.dwg
Town of Cutler Bay | TB No. 25-04
Saga Bay Drainage Improvements Project
Page 270 of 329

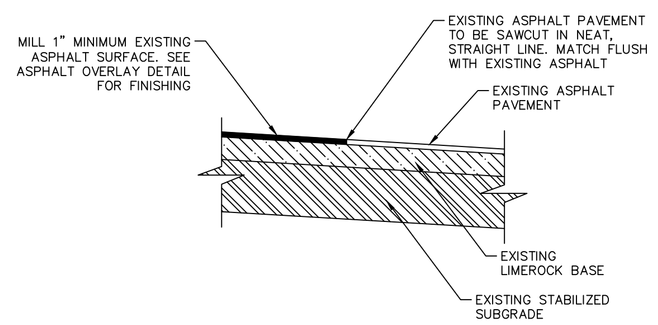


GENERAL NOTES:

1. BASE MATERIAL SHALL BE PLACED IN 6 INCH MAXIMUM LAYERS AND EACH LAYER THOROUGHLY ROLLED OR TAMPED TO 98% OF MAXIMUM DENSITY, PER AASHTO T-180. BASE MATERIAL SHALL HAVE A MINIMUM LBR OF 100.
2. ASPHALTIC CONCRETE PAVEMENT JOINTS SHALL BE MECHANICALLY SAWED.
3. SURFACE TREATED PAVEMENT JOINTS SHALL BE LAPPED AND FEATHERED. PAVEMENT MATERIAL SHALL BE 2-1/2" FDOT TYPE SP-9.5 (FINE MIX) FIRST LIFT AND 1" (MIN.) FDOT FC-9.5 TOP LIFT, SEE OVERLAY DETAIL. MATCH EXISTING GRADES AT LIMIT OF SAWCUT.
4. BID PRICES FOR PIPE AND/OR FRENCH DRAIN SHALL INCLUDE PAVEMENT RESTORATION TO MATCH EXISTING GRADES. CONTRACTOR SHALL NOT LEAVE MORE THAN 1,100-FEET OF EXPOSED LIMEROCK BASE AT ANY TIME DURING THE TRENCH/PAVEMENT RESTORATION PROCESS.
5. WHEN TRENCHING OUTSIDE THE PAVEMENT AREA, ASPHALT AND BASE MATERIAL REFERENCED IN GENERAL NOTES ARE NOT REQUIRED. RESTORE OR REPLACE ALL PUBLIC OR PRIVATE PROPERTY TO A CONDITION AT LEAST EQUAL TO THAT EXISTING IMMEDIATELY PRIOR TO COMMENCEMENT OF CONSTRUCTION. ALL IMPACTED AREAS SHALL BE COMPACTED TO 95% DENSITY IN 6-INCH MAXIMUM LIFTS.
6. PAVEMENT RESTORATION FOR LONGITUDINAL CUTS SHALL INCLUDE FULL LANE WIDTH RESURFACING FOR EACH LANE WITHIN WHICH THE CUT EXTENDS.
7. IN SOME CASES IT WILL BE NECESSARY TO OVERLAY MORE THAN ONE (1) LANE WITH ASPHALTIC CONCRETE TO SATISFY PAVEMENT SLOPE.
8. CONTRACTOR MAY ELECT TO BACKFILL WITH 1:0 SAND-CEMENT MIX.

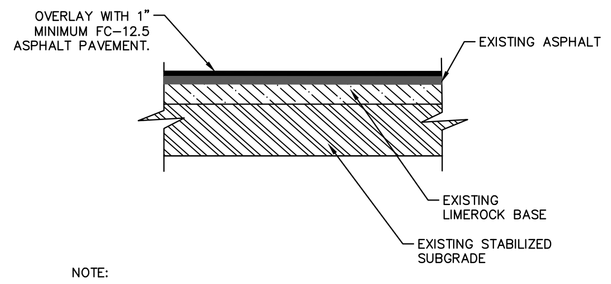
TRENCH/PAVEMENT RESTORATION

NOT TO SCALE



ASPHALT MILLING DETAIL

NOT TO SCALE

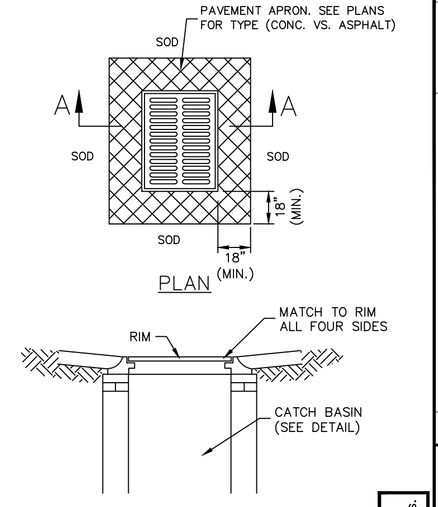


NOTE:

CONTRACTOR TO PROVIDE SMOOTH AND CONTINUOUS GRADING DURING ASPHALT OVERLAY PROCESS TO AVOIDS AREAS OF STANDING WATER. COST SHALL BE INCLUDED IN THE ASPHALTIC CONCRETE SURFACE COURSE OVERLAY PAY ITEM.

ASPHALT OVERLAY DETAIL

NOT TO SCALE



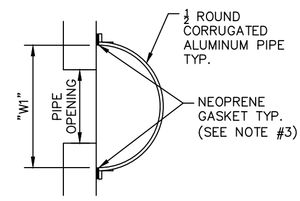
SECTION 'A – A'

NOTES:

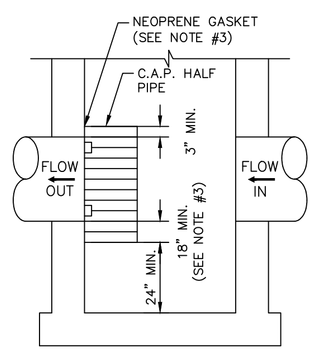
1. IN GRASS AREA, ALL GRATES SHALL HAVE A MINIMUM 1.5' PAVEMENT APRON AROUND.
2. IN PAVER AREA, ALL GRATES SHALL HAVE A MINIMUM 1.5' PAVEMENT APRON AROUND

PAVEMENT APRON w/ INLET

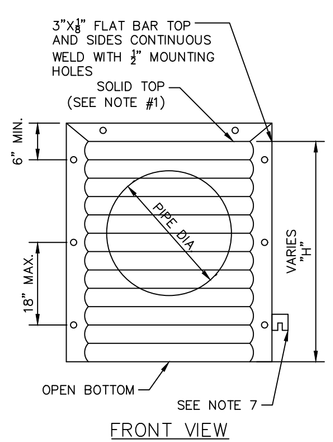
NOT TO SCALE



TOP VIEW
RECTANGULAR STRUCTURE



SIDE VIEW



FRONT VIEW

NOTES:

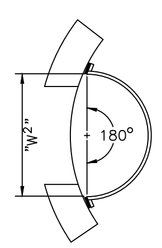
1. ALUMINUM SHEET OF SAME THICKNESS (GAUGE) AS PIPE SHALL BE WELDED TO CLOSE OPENING AT THE TOP.
2. NEOPRENE ADHESIVE BACKED GASKET, OR APPROVED EQUAL (1"X2") SHALL BE INSTALLED ON THE SIDES AND TOP OF ALL BAFFLES.
3. POLLUTION RETARDANT BAFFLES TO BE FASTENED IN PLACE WITH ⅜"x4" STEEL "RED HEADS", OR APPROVED EQUAL.
4. ALL EXFILRATION TRENCHES SHALL HAVE A POLLUTION RETARDANT BAFFLE AT EACH CONNECTION POINT TO A STRUCTURE (SEE EXFILTRATION TRENCH DETAIL).
5. FIBERGLASS BAFFLES ARE NOT PERMITTED.
6. MOUNTING BRACKETS MAY BE ADDED TO FLAT BARS TO EASE INSTALLATION IN ROUND STRUCTURES, SPACING TO MATCH HOLES IN FLAT BARS.
7. ALL STRUCTURES DISCHARGING INTO ANY RETENTION OR DETENTION AREAS SHALL HAVE BAFFLE MECHANISMS INSTALLED

POLLUTION RETARDANT BAFFLE

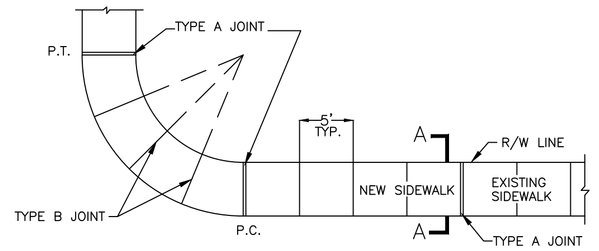
NOT TO SCALE

PIPE DIA.	W [1] (IN)	W [2] (IN)	T (GAUGE)	H (IN)
15"	21"	21"	16	VARIES
18"	24"	24"	16	VARIES
21"	30"	30"	16	VARIES
24"	30"	36"	16	VARIES
30"	36"	42"	14	VARIES
36"	42"	48"	14	VARIES
42"	48"	54"	14	VARIES
48"	54"	60"	14	VARIES
54"	60"	66"	14	VARIES

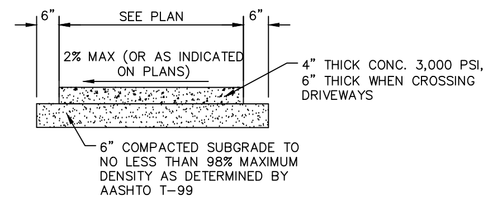
RECTANGULAR STRUCTURE
ROUND STRUCTURE



TOP VIEW
ROUND STRUCTURE



PLAN VIEW



SECTION A-A

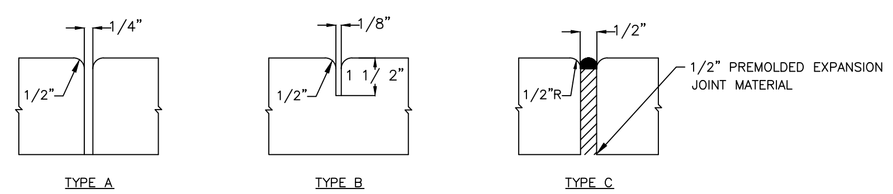


TABLE OF SIDEWALK THICKNESS – T	
LOCATION	
STANDARD SIDEWALK	4"
AT DRIVEWAYS AND OTHER AREAS	6"

TABLE OF SIDEWALK JOINTS	
	LOCATION
A	P.C. AND P.T. OF CURVES. JUNCTION OF EXISTING AND NEW SIDEWALK.
B	5'-0" CENTER TO CENTER ON SIDEWALK.
C	WHERE SIDEWALK ABUTS CONCRETE CURBS, DRIVEWAYS, AND SIMILAR STRUCTURES

NOTES:

1. PLACE #10/10 6x6 WIRE MESH IN THE PORTION OF THE SIDEWALK THAT CROSSES THE DRIVEWAY ONLY.
2. STANDARD SIDEWALK TO BE 3000 PSI @ 28 DAYS
3. CONCRETE FOR SIDEWALK AT DRIVEWAYS AND LOADING ZONES SHALL BE 4000 PSI @ 28 DAYS (HEAVY DUTY).
4. CURE ALL CONCRETE WITH CLEAN SAND, PLASTIC MEMBRANE, OR OTHER APPROVED METHOD.
5. TOOLED JOINTS TO OCCUR AT INTERVALS EQUAL TO WIDTH OF SIDEWALK
6. SIDEWALK TO HAVE BROOM FINISH PERPENDICULAR TO PATH OF TRAVEL.
7. CONTRACTOR SHALL REPAIR AND RESTORE ALL AREAS WITHIN THE ABUTTING R/W DISTURBED DURING CONSTRUCTION TO A CONDITION EQUAL TO OR BETTER THAN EXISTING AT NO ADDITIONAL COST TO THE OWNER.
8. ALL DEMOLISHED SIDEWALKS AND ADDITIONS ARE TO BE REPLACED WITH CONCRETE SIDEWALK TO MATCH EXISTING AT NO ADDITIONAL COST TO THE OWNER.
9. ALL DEMOLISHED SIDEWALK RAMPS ARE TO BE REPLACED AS PER ADA STANDARDS AND INCLUDE ADA COMPLIANT DETECTABLE WARNINGS AT NO ADDITIONAL COST TO THE OWNER.

SIDEWALK DESIGN STANDARDS

NOT TO SCALE

KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG

It's fast. It's free. It's the law.

www.callbeforeyoudig.com

No.	REVISIONS	DATE	BY

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON ★ LICENSE ★ No 85268 ★ STATE OF FLORIDA ★ PROFESSIONAL ENGINEER ★ GENERAL

KHA PROJECT 043145105		
DATE MAY 2025		
SCALE	AS SHOWN	
DESIGNED BY	TS	
DRAWN BY	DM	
CHECKED BY	SV	

PAVING GRADING AND DRAINAGE DETAILS

SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY

CUTLER BAY FLORIDA

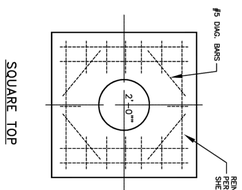
SHEET NUMBER
C302.31

Plotted By: Rainier, Flinn Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C302.31 Paving Grading and Drainage Details August 06, 2025 12:21:47pm K:\MI_civil\043145105_saga bay drainage improvements\CAD\plansheets\C301.1 Paving, Grading and Drainage Details.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

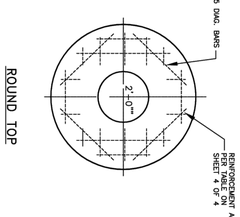
Plotted By: Beziner, Eliana Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C302.32 Paving Grading and Drainage Details August 05, 2025 12:21:53pm K:\ftl_civil\043 jobs\043145105 saga bay drainage improvements\CAD\plansheets\C301.1 Paving, Grading, and Drainage Details.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

J-7T

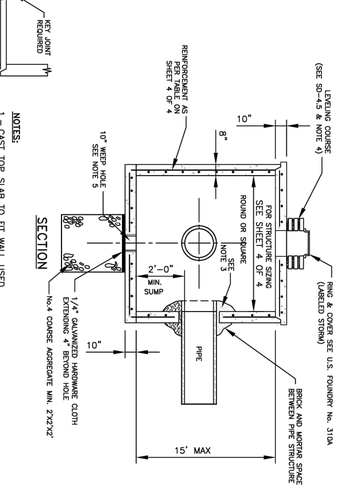
SQUARE TOP



ROUND TOP



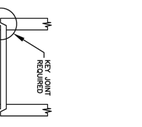
SECTION



NOTES:

1- CAST TOP SLAB TO FIT WALL USED.
2- USE 4,000 psi CONCRETE. (MINIMUM). MAXIMUM W/C=0.53. GRADE 60 STEEL FOR REBAR AND GRADE 65 FOR WWF.
3- PIPES MAY EXTEND INTO CATCH BASIN A MAXIMUM OF 4".
4- APPLY A SMOOTH LINE OF MORTAR 1/2" THICK INSIDE AND OUTSIDE.
5- WEEP HOLES ARE TO BE USED WHEN THE YEARLY LOWEST WATER ELEVATION IS ABOVE THE TOP OF THE BOTTOM SLAB OF THE STRUCTURE.

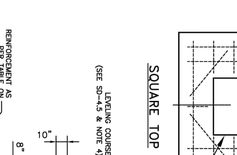
CONSTRUCTION JOINT (OPTIONAL)



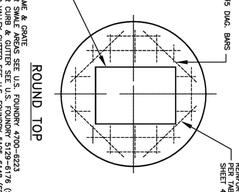
MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS	APPROVED 5/9/2018	REVISED 5/9/2018 9/19/2013 9/26/2012 8/3/2011
STANDARD STORM DRAINAGE DETAIL MANHOLE AND INLET (TYPE J)		SD 2.6 SHEET 1 OF 4

J-10M

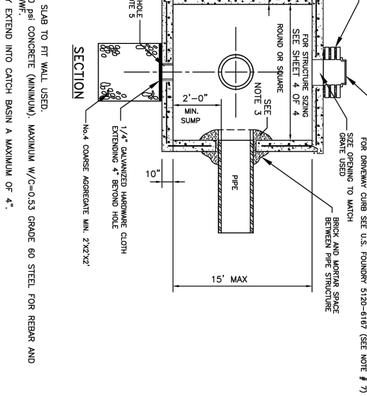
SQUARE TOP



ROUND TOP



SECTION



NOTES:

1- CAST TOP SLAB TO FIT WALL USED.
2- USE 4,000 psi CONCRETE. (MINIMUM). MAXIMUM W/C=0.53 GRADE 60 STEEL FOR REBAR AND 65 FOR WWF.
3- PIPES MAY EXTEND INTO CATCH BASIN A MAXIMUM OF 4".
4- A SMOOTH LINE OF MORTAR 1/2" THICK INSIDE AND OUTSIDE.
5- WEEP HOLES ARE TO BE USED WHEN THE YEARLY LOWEST WATER ELEVATION IS ABOVE THE TOP OF THE BOTTOM SLAB OF THE STRUCTURE.
6- USE OF GRATES WITH CLOSED WIDTHS GREATER THAN 7" ARE TO BE PLACED WITHIN THE RADIUS OF A CORNER AND ITS USE MUST BE APPROVED BY THE DEPARTMENT. THE USE OF THIS FRAME AND GRATE IS NOT INTENDED TO REPLACE STANDARD CURB INLET TOPS. FOR CURB INLETS LOCATIONS IS NOT PERMITTED UNLESS APPROVED BY THE DEPARTMENT AS A RESULT OF MITIGATING CIRCUMSTANCES.
7- ALTERNATIVE GRATE 5112-6143 MAY BE USED ON NON-RESIDENTIAL ROADWAYS.

CONSTRUCTION JOINT (OPTIONAL)

MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS	APPROVED 5/9/2018	REVISED 5/9/2018 9/19/2013 9/26/2012 8/3/2011
STANDARD STORM DRAINAGE DETAIL MANHOLE AND INLET (TYPE J)		SD 2.6 SHEET 2 OF 4

J-10

STEEL GRATING

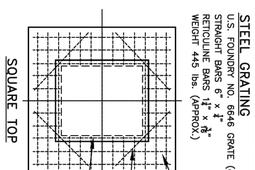
U.S. FOUNDRY NO. 5984 GRATE (or EQUAL)
STRAIGHT BARS 6" x 1" x $\frac{3}{16}$"
RETICULINE BARS 1" x $\frac{3}{16}$"
WEIGHT 445 lbs. (APPROX.)

NOTE:

ANY GRATING THAT IS CAPABLE OF SUPPORTING H-20 LOADS MAY BE SUBSTITUTED FOR THE USF No. 6646 UPON APPROVAL BY THE DEPARTMENT PROVIDED IT MEETS THE FOLLOWING TWO CONDITIONS:

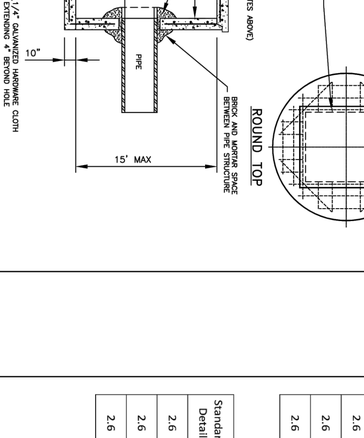
1- THE NET OPEN AREA OF THE GRATE MUST NOT BE LESS THAN THAT OF THE USF No. 6646.
2- THE MAXIMUM DISTANCE (MEASURED PERPENDICULAR) BETWEEN BARS DOES NOT EXCEED 3".
3- MANUFACTURER MUST BE LISTED IN FDOT'S QPL.

SQUARE TOP



ROUND TOP

SECTION



NOTES:

1- CAST TOP SLAB TO FIT WALL USED.
2- USE 4,000 psi CONCRETE (MINIMUM). MAXIMUM W/C=0.53 GRADE 60 STEEL FOR REBAR AND 65 FOR WWF.
3- PIPES MAY EXTEND INTO CATCH BASIN A MAXIMUM OF 4".
4- APPLY A SMOOTH LINE OF MORTAR 1/2" THICK INSIDE AND OUTSIDE.
5- WEEP HOLES ARE TO BE USED WHEN THE YEARLY LOWEST WATER ELEVATION IS ABOVE THE TOP OF THE BOTTOM SLAB OF THE STRUCTURE.
6- GRATE TO BE SUPPORTED ON ALL SIDES.
7- STANDARD GRATES NOT DESIGNED FOR HEAVY TRAFFIC AREAS OR WHERE THEY WOULD BE SUBJECTED TO CONSTANT STANDING SEATS AT DOWN APPROACHES.

CONSTRUCTION JOINT (OPTIONAL)

MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS	APPROVED 5/9/2018	REVISED 5/9/2018 9/19/2013 9/26/2012 8/3/2011
STANDARD STORM DRAINAGE DETAIL MANHOLE AND INLET (TYPE J)		SD 2.6 SHEET 3 OF 4

Standard Detail	Width (ft) Min.	Length (ft) Max.	Height (ft)	Wall Thickness (in)	Wall Steel	Top Slab Thickness (in)	Top Slab Steel	Bottom Slab Thickness (in)	Bottom Slab Steel
2.6	8	8	0.0 - 5.0	8	#4@7"H #4@10"V	10	#6@6" E.W.	10	#5@8.5" E.W.
2.6	8	8	5.1 - 10.0	8	#6@7.5"H #4@10"V	10	#6@6" E.W.	10	#5@8.5" E.W.
2.6	8	8	10.1-15.0	8	#7@7"H #4@10"V	10	#6@6" E.W.	10	#5@8.5" E.W.

SQUARE STRUCTURE

Standard Detail	Dia. (ft) Min.	Dia. (ft) Max.	Height (ft)	Wall Thickness (in)	Wall Steel	Top Slab Thickness (in)	Top Slab Steel	Bottom Slab Thickness (in)	Bottom Slab Steel
2.6	5	7	0.0 - 5.0	8	8 x 8 W20 or #4@10"E.W	10	#6@6" E.W.	10	#5@8.5" E.W.
2.6	5	7	5.1 - 10.0	8	8 x 8 W20 or #4@10"E.W	10	#6@6" E.W.	10	#5@8.5" E.W.
2.6	5	7	10.1 - 15.0	8	8 x 8 W20 or #4@10"E.W	10	#6@6" E.W.	10	#5@8.5" E.W.

ROUND STRUCTURE

MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS	APPROVED 5/9/2018	REVISED 5/9/2018 11/28/2012 8/3/2011
STANDARD STORM DRAINAGE DETAIL MANHOLE AND INLET (TYPE J)		SD 2.6 SHEET 4 OF 4

811 KNOW WHAT'S BELOW CALL BEFORE YOU DIG
www.callsunshine.com
It's fast. It's free. It's the law.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

SHEET NUMBER
C302.32

SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

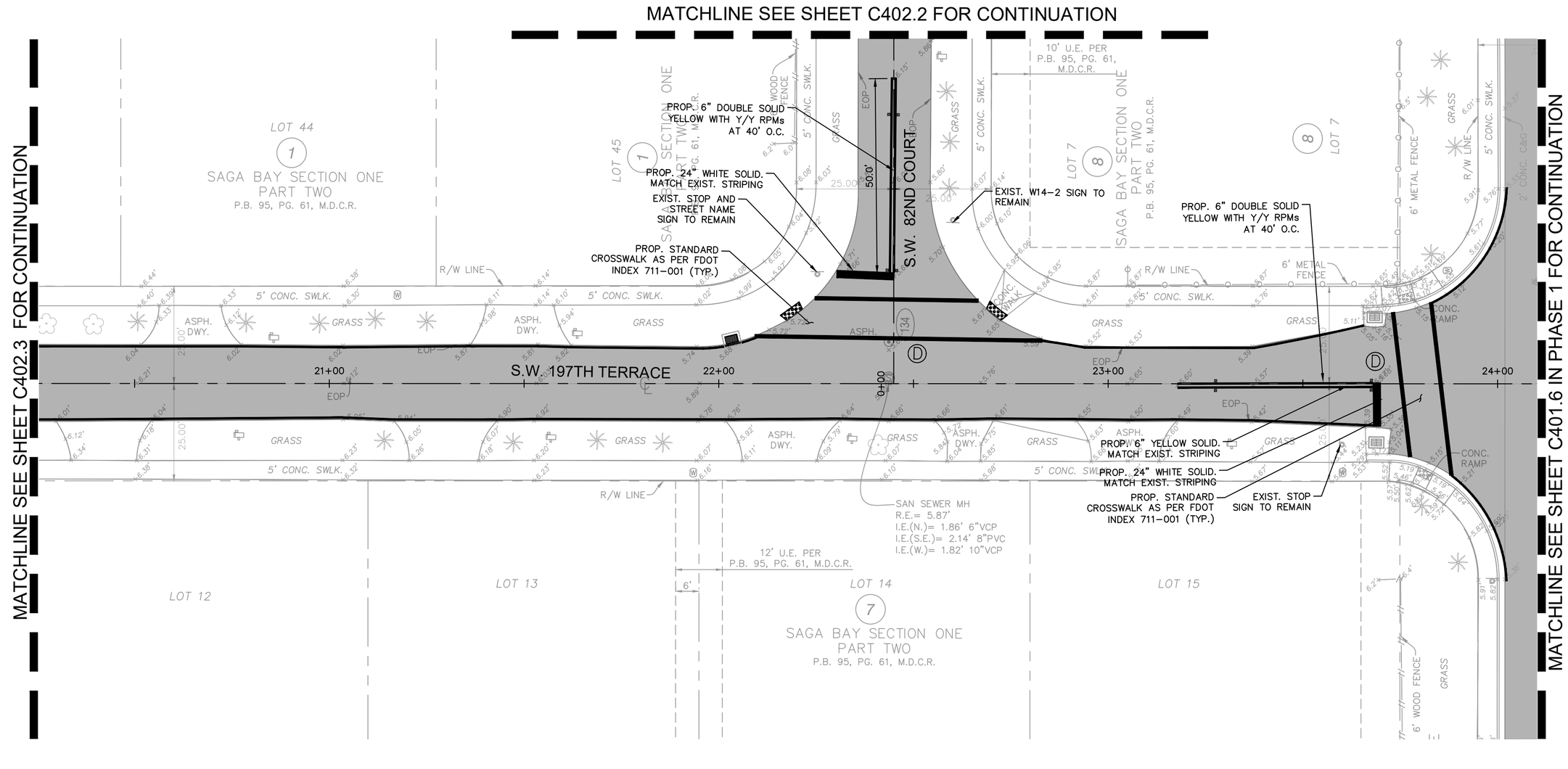
PAVING GRADING AND DRAINAGE DETAILS

KHA PROJECT 043145105
DATE MAY 2025
SCALE AS SHOWN
DESIGNED BY TS
DRAWN BY DM
CHECKED BY SV

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: 8/5/2025

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

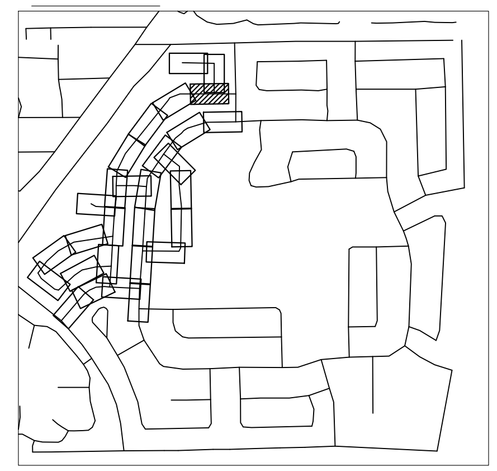
No.	REVISIONS	DATE	BY



NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

KEY MAP



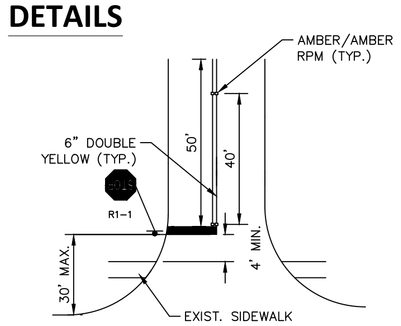
LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING STORM CATCH BASIN
- EXISTING SIGN
- EXISTING POWER POLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROP. PAVEMENT OVERLAY

NOTES

1. ALL PAVEMENT MARKING AND SIGNING SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), MIAMI-DADE TRAFFIC ENGINEERING.
2. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. CONTRACTOR SHALL PAINT MARKINGS THEN AFTER 14 DAY CURING PERIOD PLACE THERMOPLASTIC PAVEMENT MARKINGS.
3. ONE BI-DIRECTIONAL YELLOW REFLECTIVE PAVEMENT MARKER SHALL BE PROVIDED AT 40' INTERVALS ON EACH SIDE OF DOUBLE YELLOW STRIPES AND AT 40' INTERVALS WITHIN SKIP CENTERLINE MARKINGS.

DETAILS



STOP BAR & STRIPING DETAIL
NOT TO SCALE

NOTES:
1. EXISTING STOP SIGNS AND STOP BARS SHALL BE RELOCATED AS NEEDED TO COMPLY WITH MINIMUM/MAXIMUM DIMENSIONS SHOWN. ALL RELOCATIONS SHALL BE PREFORMED AT NO ADDITIONAL COST TO THE OWNER.
2. ALL STOP BARS SHALL BE LOCATED AS PER MIAMI-DADE COUNTY STANDARD DETAIL R18.2.
3. DETAILS IN FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) ROADWAY STANDARD PLANS FOR ROAD CONSTRUCTION, AND MIAMI-DADE COUNTY PUBLIC WORKS MANUAL SHALL BE USED WHERE APPLICABLE.
4. REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED AS NOTED IN PLANS AND DETAILS. ALL STRIPING SHALL BE THERMOPLASTIC.
5. ALL EXISTING SIGNS SHALL BE PROTECTED DURING CONSTRUCTION AND SHALL REMAIN. CONTRACTOR IS RESPONSIBLE TO REPLACE/REPAIR ANY DAMAGE TO SIGNAGE AS A RESULT OF CONSTRUCTION AT NO COST TO THE OWNER.
6. ALL EXISTING PAVEMENT MARKINGS SHALL BE REPLACED FOLLOWING RESURFACING.

KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
www.callbeforeyoudig.com

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER

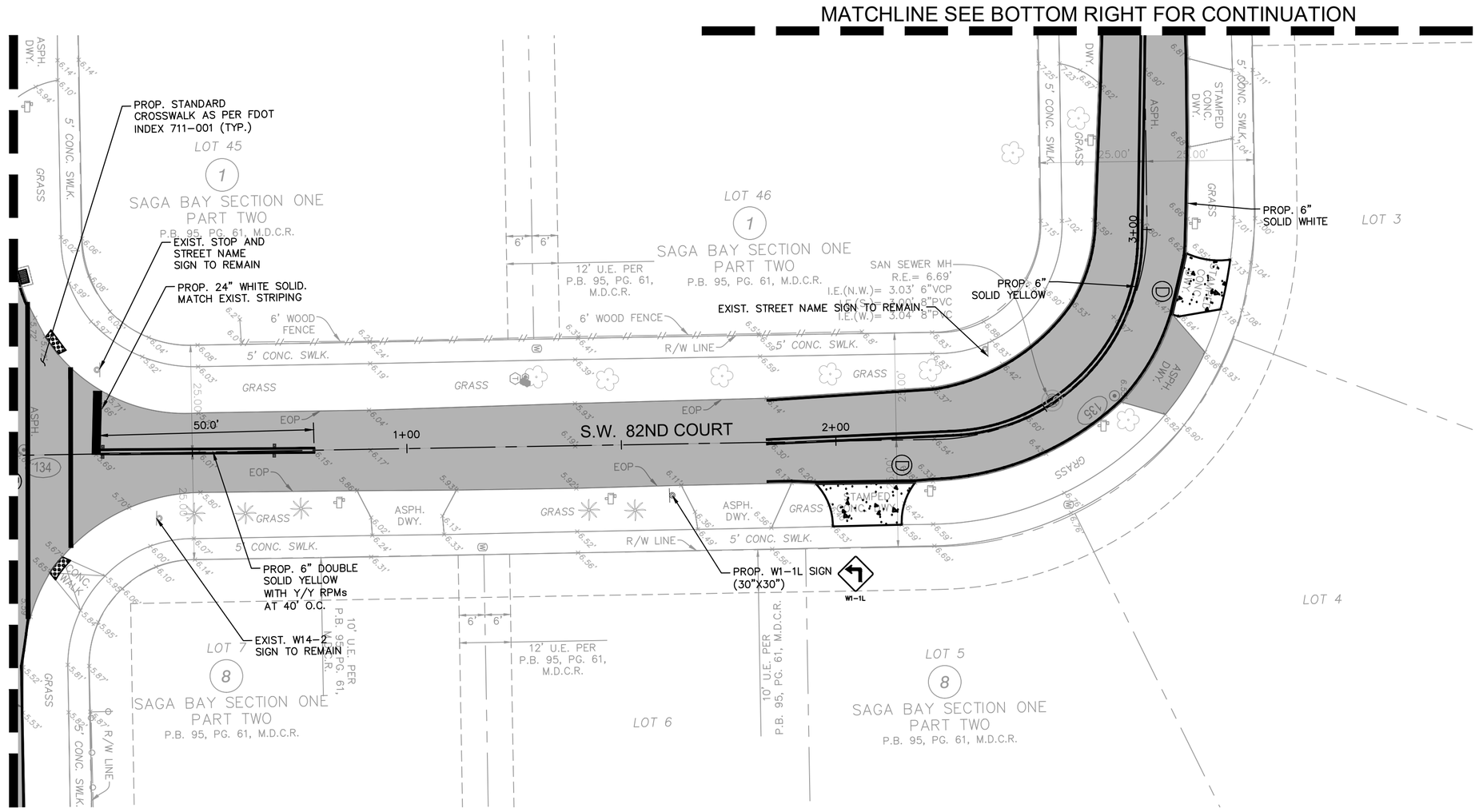
KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

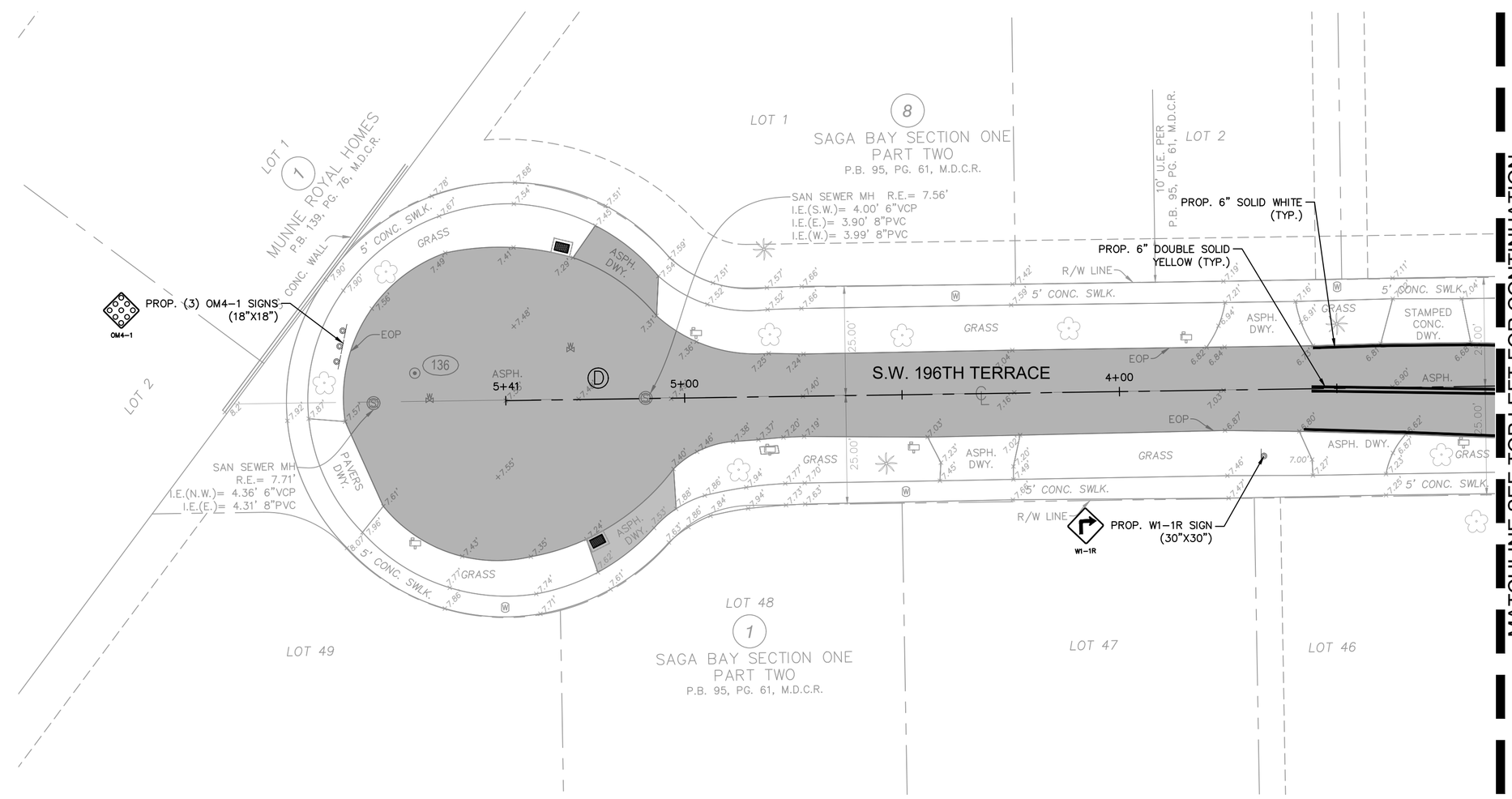
SIGNING AND PAVEMENT MARKING PLAN

SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

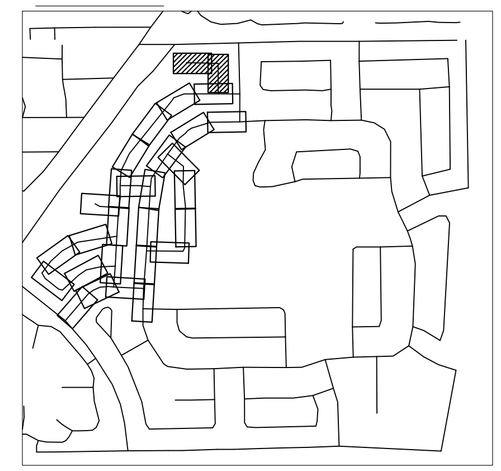
SHEET NUMBER
C402.1

Plotted By: Rainier, Filipos Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C402.1 Signing and Pavement Marking Plan August 06, 2025 12:22:15pm K:\MI_civil\043_John\043145105_town bay drainage improvements\CAD\xlsheet\C4000.1 Signing and Pavement Marking Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.
Town of Cutler Bay | ITB No. 25-07
Saga Bay Drainage Improvements
Page 273 of 328
Packet Pg. 273





KEY MAP



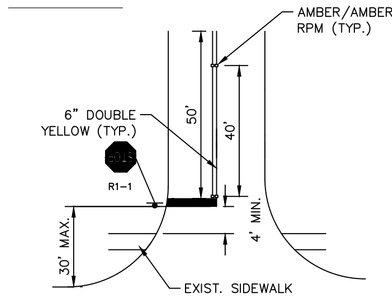
LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING STORM CATCH BASIN
- EXISTING SIGN
- EXISTING POWER POLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROP. PAVEMENT OVERLAY

NOTES

1. ALL PAVEMENT MARKING AND SIGNING SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), MIAMI-DADE TRAFFIC ENGINEERING.
2. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. CONTRACTOR SHALL PAINT MARKINGS THEN AFTER 14 DAY CURING PERIOD PLACE THERMOPLASTIC PAVEMENT MARKINGS.
3. ONE BI-DIRECTIONAL YELLOW REFLECTIVE PAVEMENT MARKER SHALL BE PROVIDED AT 40' INTERVALS ON EACH SIDE OF DOUBLE YELLOW STRIPES AND AT 40' INTERVALS WITHIN SKIP CENTERLINE MARKINGS.

DETAILS



STOP BAR & STRIPING DETAIL
NOT TO SCALE

NOTES:
1. EXISTING STOP SIGNS AND STOP BARS SHALL BE RELOCATED AS NEEDED TO COMPLY WITH MINIMUM/MAXIMUM DIMENSIONS SHOWN. ALL RELOCATIONS SHALL BE PREFORMED AT NO ADDITIONAL COST TO THE OWNER.
2. ALL STOP BARS SHALL BE LOCATED AS PER MIAMI-DADE COUNTY STANDARD DETAIL R18.2.
3. DETAILS IN FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) ROADWAY STANDARD PLANS FOR ROAD CONSTRUCTION, AND MIAMI-DADE COUNTY PUBLIC WORKS MANUAL SHALL BE USED WHERE APPLICABLE.
4. REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED AS NOTED IN PLANS AND DETAILS. ALL STRIPING SHALL BE THERMOPLASTIC.
5. ALL EXISTING SIGNS SHALL BE PROTECTED DURING CONSTRUCTION AND SHALL REMAIN. CONTRACTOR IS RESPONSIBLE TO REPLACE/REPAIR ANY DAMAGE TO SIGNAGE AS A RESULT OF CONSTRUCTION AT NO COST TO THE OWNER.
6. ALL EXISTING PAVEMENT MARKINGS SHALL BE REPLACED FOLLOWING RESURFACING.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON ★ FLORIDA LICENSE No 85268 ★ STATE OF FLORIDA ★ PROFESSIONAL ENGINEER
DATE: 12/22/2025

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

SIGNING AND PAVEMENT MARKING PLAN

SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

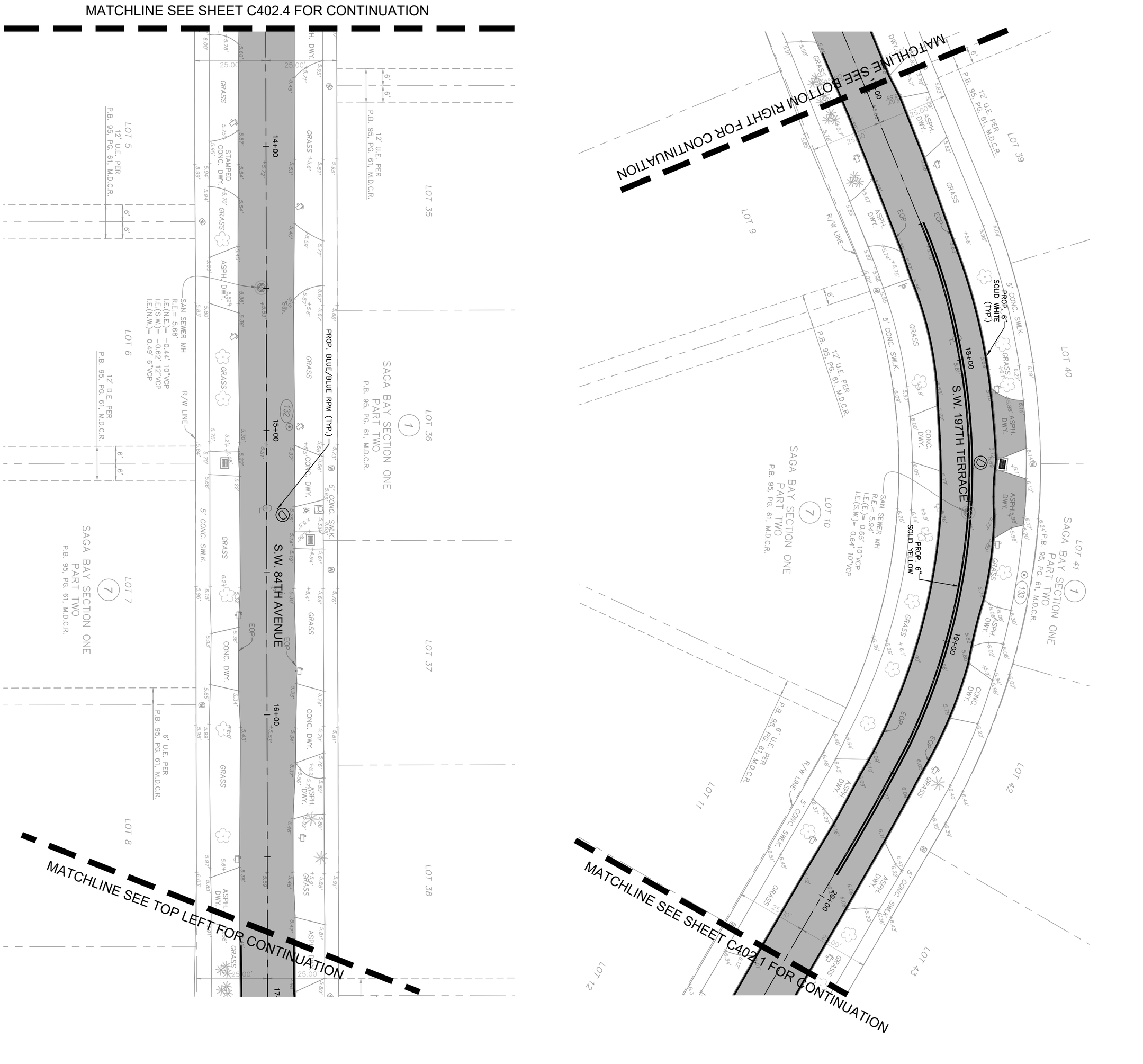
SHEET NUMBER
C402.2

KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG!
www.callbeforeyoudig.com

Plotted By: Rainier Flores Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C402.2 Signing and Pavement Marking Plan August 05, 2025 12:22:20pm K:\MIA_civil\043\043145105 saga bay drainage improvements\CAD\sheetset\C400.1 Signing and Pavement Marking Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.
Town of Cutler Bay | ITB | No. 25-04 | Saga Bay Drainage Improvements-West | Page 274 of 320

Plotted By: Beziner, Eliana Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C402.3 Signing and Pavement Marking Plan August 05, 2025 12:22:42pm K:\ftl_civil\043 jobs\043145105 saga bay drainage improvements\CAD\plansheets\C400.1 Signing and Pavement Marking Plan.dwg

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



KEY MAP

LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING STORM CATCH BASIN
- EXISTING SIGN
- EXISTING POWER POLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROP. PAVEMENT OVERLAY

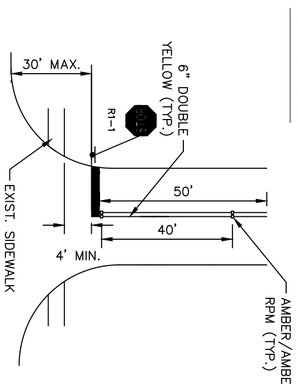
NOTES

1. ALL PAVEMENT MARKING AND SIGNING SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), MIAMI-DADE TRAFFIC ENGINEERING.
2. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. CONTRACTOR SHALL PAINT MARKINGS THEN AFTER 14 DAY CURING PERIOD PLACE THERMOPLASTIC PAVEMENT MARKINGS.
3. ONE BI-DIRECTIONAL YELLOW REFLECTIVE PAVEMENT MARKER SHALL BE PROVIDED AT 40' INTERVALS ON EACH SIDE OF DOUBLE YELLOW STRIPES AND AT 40' INTERVALS WITHIN SKIP CENTERLINE MARKINGS.

DETAILS

STOP BAR & STRIPING DETAIL

NOT TO SCALE



NOTES:

1. EXISTING STOP SIGNS AND STOP BARS SHALL BE RELOCATED AS NEEDED TO COMPLY WITH MINIMUM/MAXIMUM DIMENSIONS SHOWN. ALL RELOCATIONS SHALL BE PREFORMED AT NO ADDITIONAL COST TO THE OWNER.
2. ALL STOP BARS SHALL BE LOCATED AS PER MIAMI-DADE COUNTY STANDARD DETAIL R18.2.
3. DETAILS IN FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) ROADWAY STANDARD PLANS FOR ROAD CONSTRUCTION, AND MIAMI-DADE COUNTY PUBLIC WORKS MANUAL SHALL BE USED WHERE APPLICABLE.
4. REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED AS NOTED IN PLANS AND DETAILS. ALL STRIPING SHALL BE THERMOPLASTIC.
5. ALL EXISTING SIGNS SHALL BE PROTECTED DURING CONSTRUCTION AND SHALL REMAIN. CONTRACTOR IS RESPONSIBLE TO REPLACE/REPAIR ANY DAMAGE TO SIGNAGE AS A RESULT OF CONSTRUCTION AT NO COST TO THE OWNER.
6. ALL EXISTING PAVEMENT MARKINGS SHALL BE REPLACED FOLLOWING RESURFACING.

811 KNOW WHAT'S BELOW ALWAYS CALL BEFORE YOU DIG www.callsunshine.com

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

SHEET NUMBER C402.3

SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SIGNING AND PAVEMENT MARKING PLAN

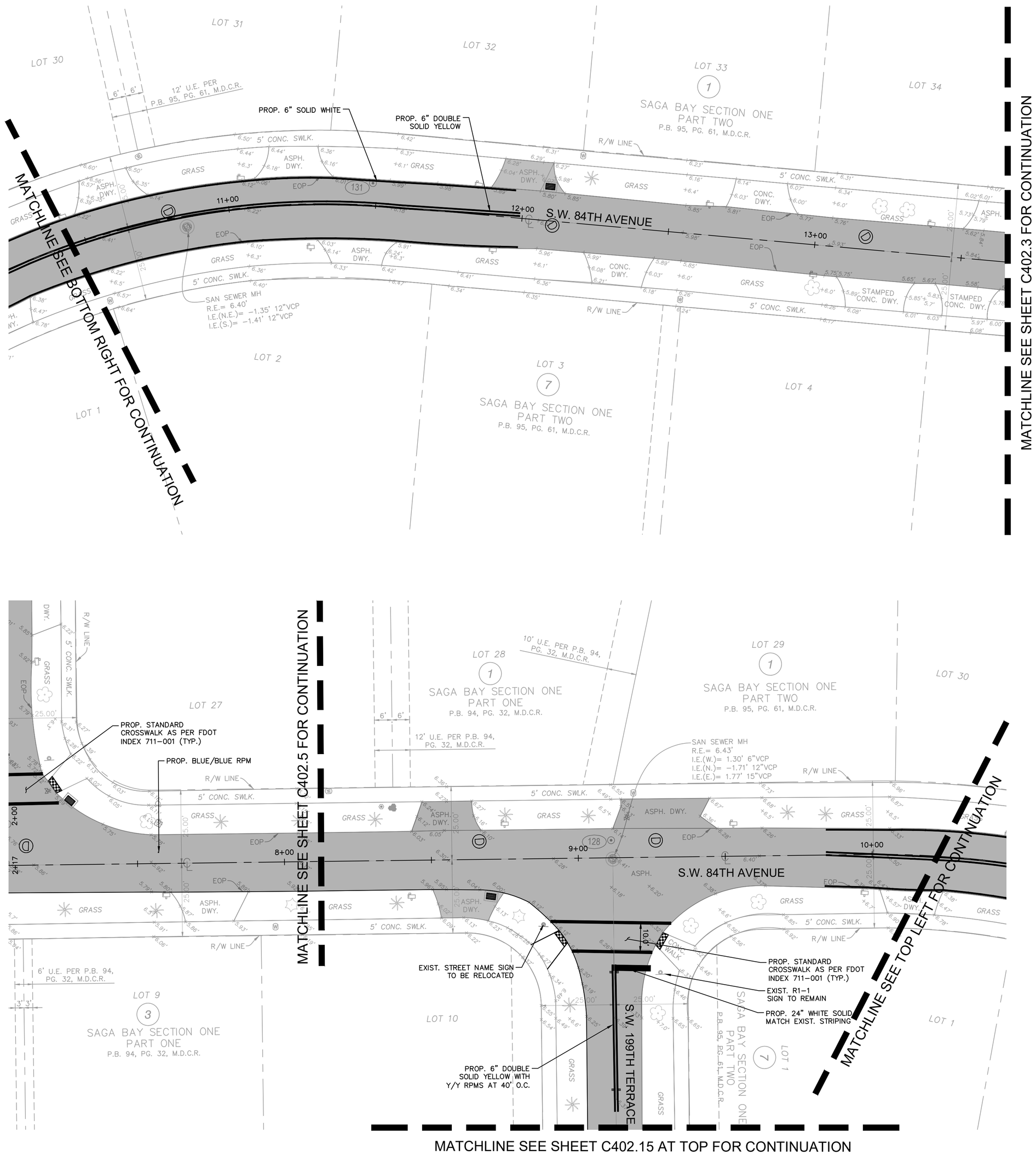
KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE:

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

No.	REVISIONS	DATE	BY

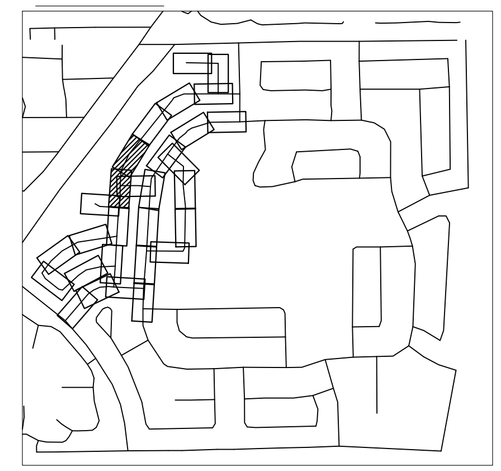


GRAPHIC SCALE IN FEET
0 10 20 40

GRAPHIC SCALE IN FEET
0 10 20 40

MATCHLINE SEE SHEET C402.15 AT TOP FOR CONTINUATION

KEY MAP



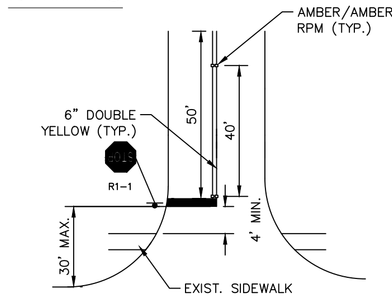
LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING STORM CATCH BASIN
- EXISTING SIGN
- EXISTING POWER POLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROP. PAVEMENT OVERLAY

NOTES

1. ALL PAVEMENT MARKING AND SIGNING SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), MIAMI-DADE TRAFFIC ENGINEERING.
2. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. CONTRACTOR SHALL PAINT MARKINGS THEN AFTER 14 DAY CURING PERIOD PLACE THERMOPLASTIC PAVEMENT MARKINGS.
3. ONE BI-DIRECTIONAL YELLOW REFLECTIVE PAVEMENT MARKER SHALL BE PROVIDED AT 40' INTERVALS ON EACH SIDE OF DOUBLE YELLOW STRIPES AND AT 40' INTERVALS WITHIN SKIP CENTERLINE MARKINGS.

DETAILS



STOP BAR & STRIPING DETAIL
NOT TO SCALE

NOTES:
1. EXISTING STOP SIGNS AND STOP BARS SHALL BE RELOCATED AS NEEDED TO COMPLY WITH MINIMUM/MAXIMUM DIMENSIONS SHOWN. ALL RELOCATIONS SHALL BE PREFORMED AT NO ADDITIONAL COST TO THE OWNER.
2. ALL STOP BARS SHALL BE LOCATED AS PER MIAMI-DADE COUNTY STANDARD DETAIL R18.2.
3. DETAILS IN FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) ROADWAY STANDARD PLANS FOR ROAD CONSTRUCTION, AND MIAMI-DADE COUNTY PUBLIC WORKS MANUAL SHALL BE USED WHERE APPLICABLE.
4. REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED AS NOTED IN PLANS AND DETAILS. ALL STRIPING SHALL BE THERMOPLASTIC.
5. ALL EXISTING SIGNS SHALL BE PROTECTED DURING CONSTRUCTION AND SHALL REMAIN. CONTRACTOR IS RESPONSIBLE TO REPLACE/REPAIR ANY DAMAGE TO SIGNAGE AS A RESULT OF CONSTRUCTION AT NO COST TO THE OWNER.
6. ALL EXISTING PAVEMENT MARKINGS SHALL BE REPLACED FOLLOWING RESURFACING.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: 12/22/2025

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

SIGNING AND PAVEMENT MARKING PLAN

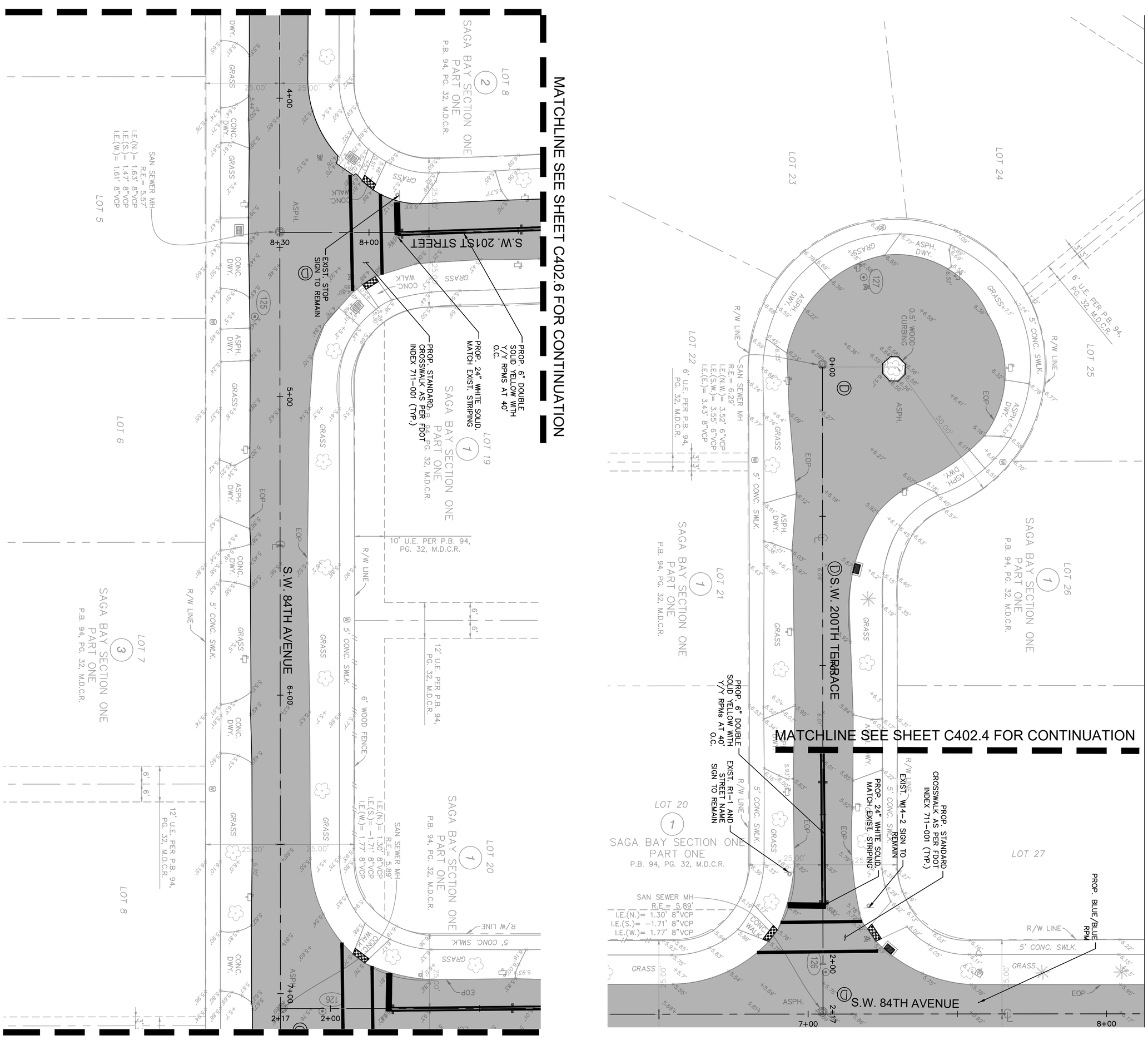
SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C402.4

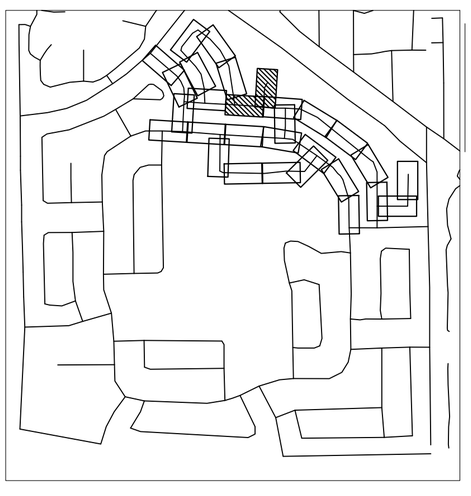
KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
www.callbeforeyoudig.com

Plotted By: Rainier Flores Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C402 & Signing and Pavement Marking Plan August 05, 2026 12:22:58pm K:\MI_obj\043145105 saga bay drainage improvements\CAD\sheetset\C400.1 Signing and Pavement Marking Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By: Beziner, Eliana Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C402.5 Signing and Pavement Marking Plan August 05, 2025 12:23:13pm K:\ftl_civil\043 jobs\043145105 saga bay drainage improvements\CAD\plansheets\C400.1 Signing and Pavement Marking Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING STORM CATCH BASIN
- EXISTING SIGN
- EXISTING POWER POLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROP. PAVEMENT OVERLAY

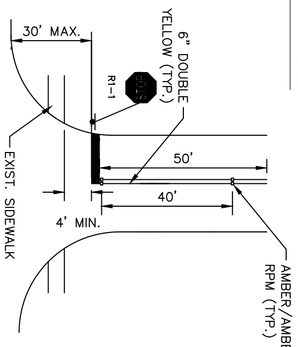
NOTES

1. ALL PAVEMENT MARKING AND SIGNING SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), MIAMI-DADE TRAFFIC ENGINEERING.
2. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. CONTRACTOR SHALL PAINT MARKINGS THEN AFTER 14 DAY CURING PERIOD PLACE THERMOPLASTIC PAVEMENT MARKINGS.
3. ONE BI-DIRECTIONAL YELLOW REFLECTIVE PAVEMENT MARKER SHALL BE PROVIDED AT 40' INTERVALS ON EACH SIDE OF DOUBLE YELLOW STRIPES AND AT 40' INTERVALS WITHIN SKIP CENTERLINE MARKINGS.

DETAILS

STOP BAR & STRIPING DETAIL

NOT TO SCALE



NOTES:
1. EXISTING STOP SIGNS AND STOP BARS SHALL BE RELOCATED AS NEEDED TO COMPLY WITH MINIMUM/MAXIMUM DIMENSIONS SHOWN. ALL RELOCATIONS SHALL BE PREFORMED AT NO ADDITIONAL COST TO THE OWNER.
2. ALL STOP BARS SHALL BE LOCATED AS PER MIAMI-DADE COUNTY STANDARD DETAIL R18.2.
3. DETAILS IN FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) ROADWAY STANDARD PLANS FOR ROAD CONSTRUCTION, AND MIAMI-DADE COUNTY PUBLIC WORKS MANUAL SHALL BE USED WHERE APPLICABLE.
4. REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED AS NOTED IN PLANS AND DETAILS. ALL STRIPING SHALL BE THERMOPLASTIC.
5. ALL EXISTING SIGNS SHALL BE PROTECTED DURING CONSTRUCTION AND SHALL REMAIN. CONTRACTOR IS RESPONSIBLE TO REPLACE/REPAIR ANY DAMAGE TO SIGNAGE AS A RESULT OF CONSTRUCTION AT NO COST TO THE OWNER.
6. ALL EXISTING PAVEMENT MARKINGS SHALL BE REPLACED FOLLOWING RESURFACING.

811 KNOW WHAT'S BELOW ALWAYS CALL BEFORE YOU DIG
It's free & it's the law
www.callsunshine.com

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

SHEET NUMBER C402.5

SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SIGNING AND PAVEMENT MARKING PLAN

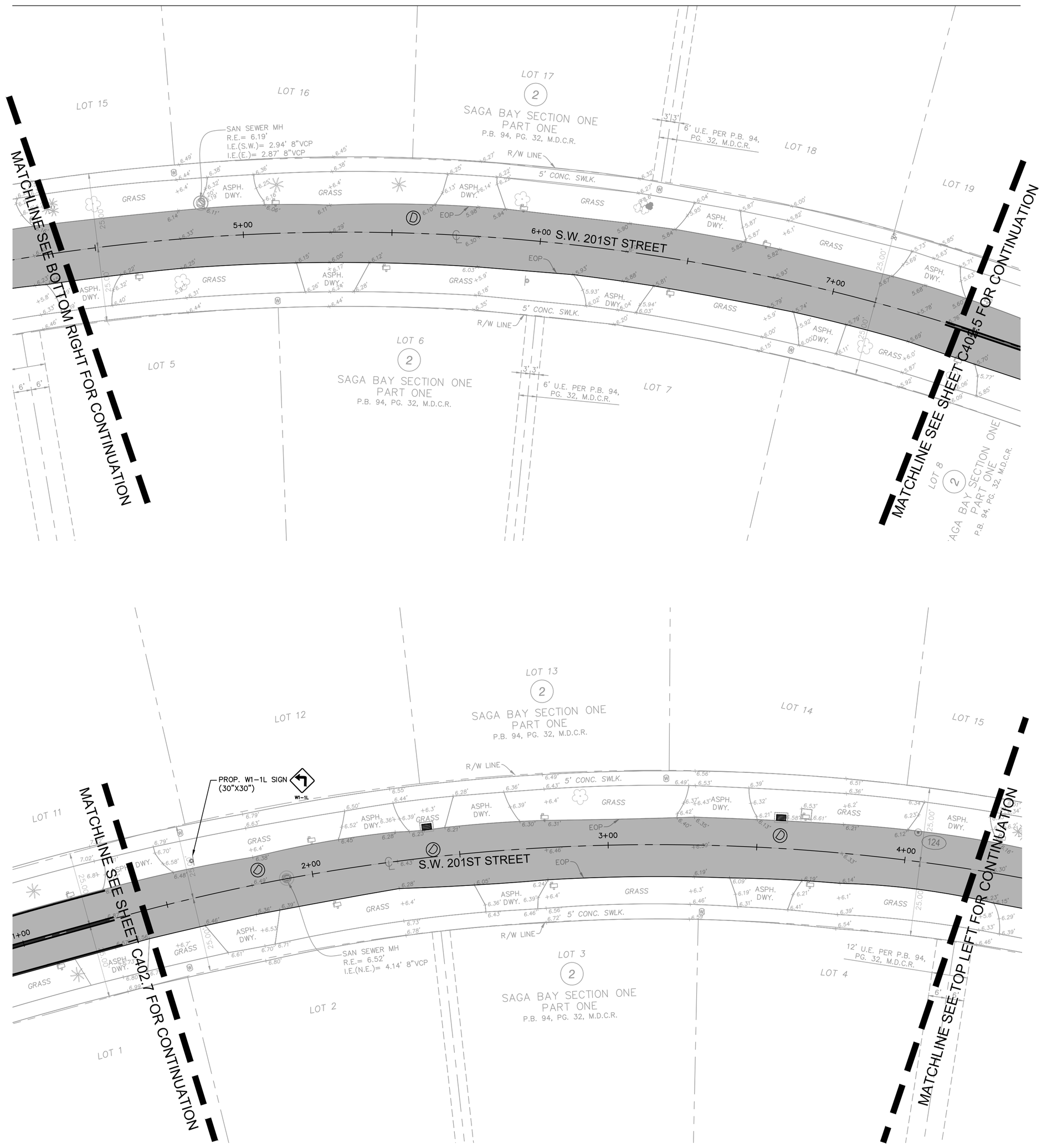
KHA PROJECT 043145105
DATE MAY 2025
SCALE AS SHOWN
DESIGNED BY TS
DRAWN BY DM
CHECKED BY SV

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: 8/5/25

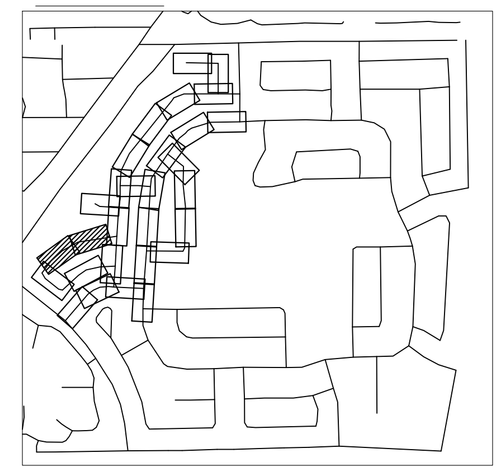
Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

No.	REVISIONS	DATE	BY



KEY MAP



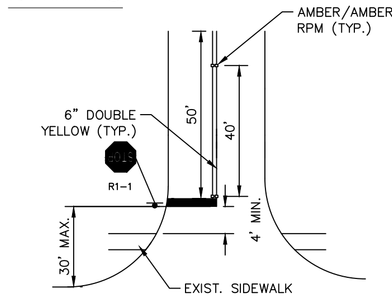
LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING STORM CATCH BASIN
- EXISTING SIGN
- EXISTING POWER POLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROP. PAVEMENT OVERLAY

NOTES

1. ALL PAVEMENT MARKING AND SIGNING SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), MIAMI-DADE TRAFFIC ENGINEERING.
2. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. CONTRACTOR SHALL PAINT MARKINGS THEN AFTER 14 DAY CURING PERIOD PLACE THERMOPLASTIC PAVEMENT MARKINGS.
3. ONE BI-DIRECTIONAL YELLOW REFLECTIVE PAVEMENT MARKER SHALL BE PROVIDED AT 40' INTERVALS ON EACH SIDE OF DOUBLE YELLOW STRIPES AND AT 40' INTERVALS WITHIN SKIP CENTERLINE MARKINGS.

DETAILS



STOP BAR & STRIPING DETAIL
NOT TO SCALE

NOTES:
1. EXISTING STOP SIGNS AND STOP BARS SHALL BE RELOCATED AS NEEDED TO COMPLY WITH MINIMUM/MAXIMUM DIMENSIONS SHOWN. ALL RELOCATIONS SHALL BE PREFORMED AT NO ADDITIONAL COST TO THE OWNER.
2. ALL STOP BARS SHALL BE LOCATED AS PER MIAMI-DADE COUNTY STANDARD DETAIL R18.2.
3. DETAILS IN FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) ROADWAY STANDARD PLANS FOR ROAD CONSTRUCTION, AND MIAMI-DADE COUNTY PUBLIC WORKS MANUAL SHALL BE USED WHERE APPLICABLE.
4. REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED AS NOTED IN PLANS AND DETAILS. ALL STRIPING SHALL BE THERMOPLASTIC.
5. ALL EXISTING SIGNS SHALL BE PROTECTED DURING CONSTRUCTION AND SHALL REMAIN. CONTRACTOR IS RESPONSIBLE TO REPLACE/REPAIR ANY DAMAGE TO SIGNAGE AS A RESULT OF CONSTRUCTION AT NO COST TO THE OWNER.
6. ALL EXISTING PAVEMENT MARKINGS SHALL BE REPLACED FOLLOWING RESURFACING.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: 12/23/2025

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

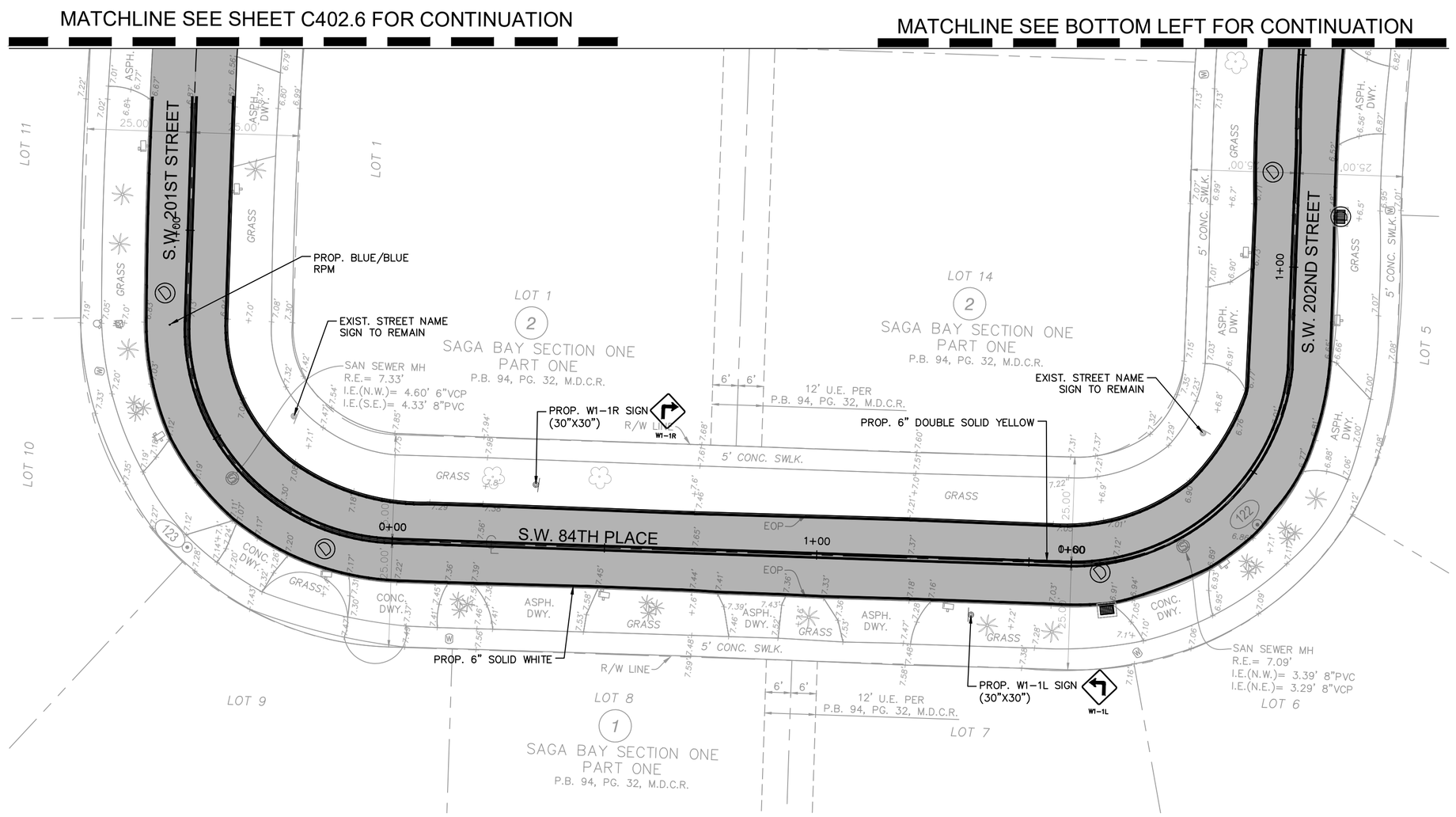
SIGNING AND PAVEMENT MARKING PLAN

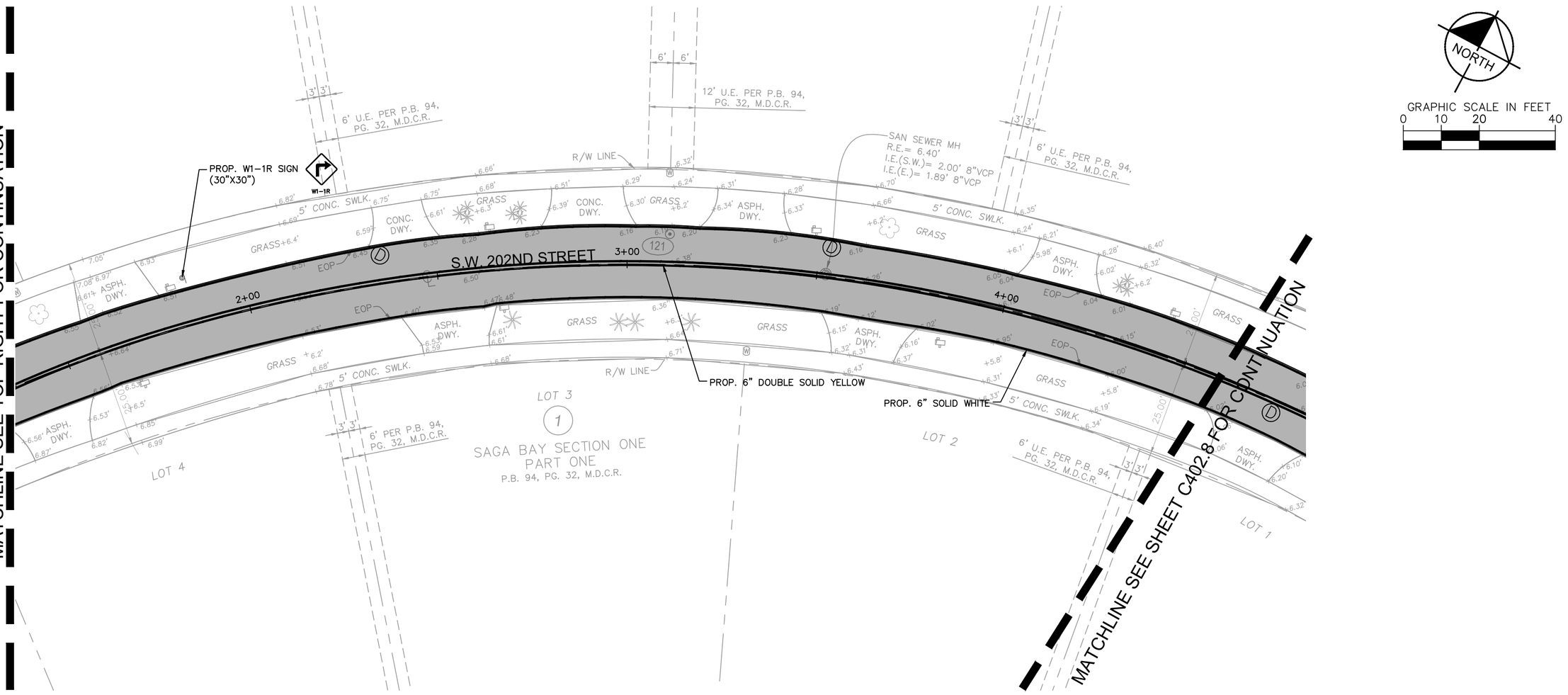
SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C402.6

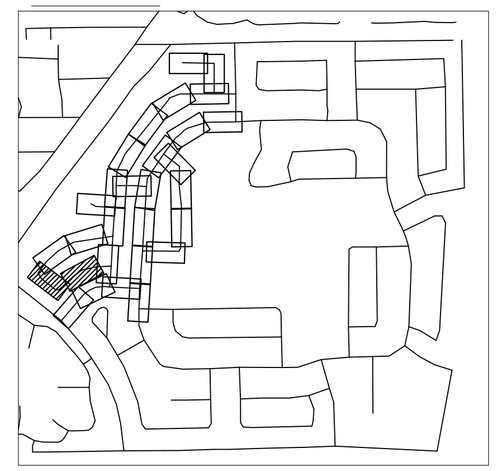
811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
www.callbeforeyoudig.com

Plotted By:Raziner, Eliana Sheet Set:SAGA BAY DRAINAGE IMPROVEMENTS Layout:C402.6_Signing and Pavement Marking Plan August 05, 2026 12:23:28pm K:\MIA_civil\043145105_saga bay drainage improvements\CAD\sheetset\C400.1_Signing and Pavement Marking Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.





KEY MAP



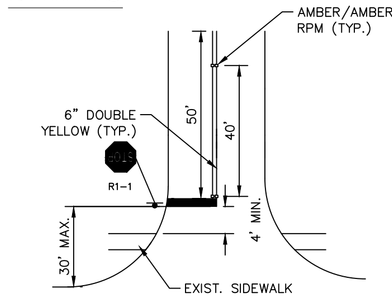
LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING STORM CATCH BASIN
- EXISTING SIGN
- EXISTING POWER POLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROP. PAVEMENT OVERLAY

NOTES

1. ALL PAVEMENT MARKING AND SIGNING SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), MIAMI-DADE TRAFFIC ENGINEERING.
2. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. CONTRACTOR SHALL PAINT MARKINGS THEN AFTER 14 DAY CURING PERIOD PLACE THERMOPLASTIC PAVEMENT MARKINGS.
3. ONE BI-DIRECTIONAL YELLOW REFLECTIVE PAVEMENT MARKER SHALL BE PROVIDED AT 40' INTERVALS ON EACH SIDE OF DOUBLE YELLOW STRIPES AND AT 40' INTERVALS WITHIN SKIP CENTERLINE MARKINGS.

DETAILS



STOP BAR & STRIPING DETAIL
NOT TO SCALE

NOTES:
1. EXISTING STOP SIGNS AND STOP BARS SHALL BE RELOCATED AS NEEDED TO COMPLY WITH MINIMUM/MAXIMUM DIMENSIONS SHOWN. ALL RELOCATIONS SHALL BE PREFORMED AT NO ADDITIONAL COST TO THE OWNER.
2. ALL STOP BARS SHALL BE LOCATED AS PER MIAMI-DADE COUNTY STANDARD DETAIL R18.2.
3. DETAILS IN FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) ROADWAY STANDARD PLANS FOR ROAD CONSTRUCTION, AND MIAMI-DADE COUNTY PUBLIC WORKS MANUAL SHALL BE USED WHERE APPLICABLE.
4. REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED AS NOTED IN PLANS AND DETAILS. ALL STRIPING SHALL BE THERMOPLASTIC.
5. ALL EXISTING SIGNS SHALL BE PROTECTED DURING CONSTRUCTION AND SHALL REMAIN. CONTRACTOR IS RESPONSIBLE TO REPLACE/REPAIR ANY DAMAGE TO SIGNAGE AS A RESULT OF CONSTRUCTION AT NO COST TO THE OWNER.
6. ALL EXISTING PAVEMENT MARKINGS SHALL BE REPLACED FOLLOWING RESURFACING.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON FL LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: [illegible]

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

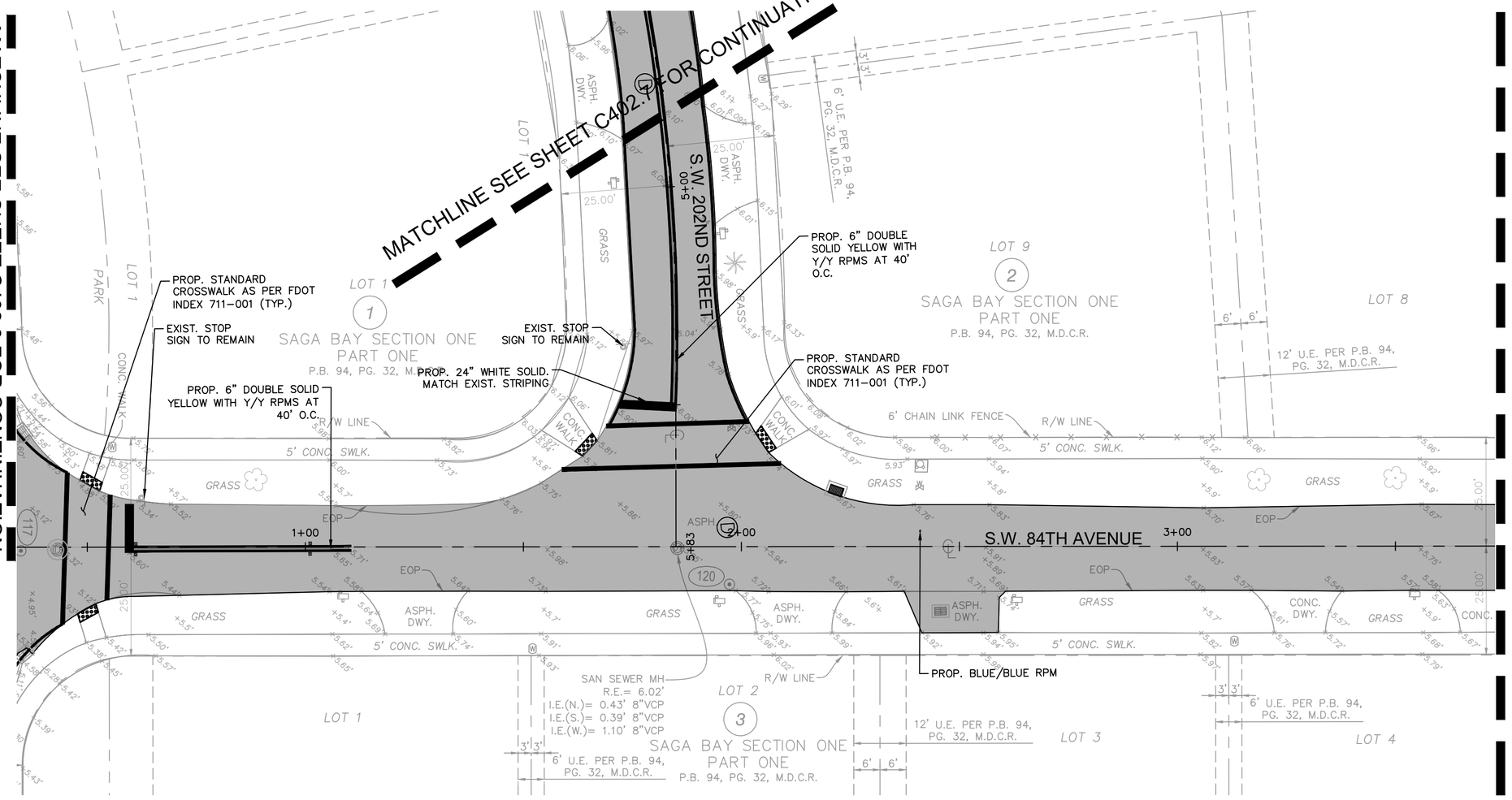
SIGNING AND PAVEMENT MARKING PLAN

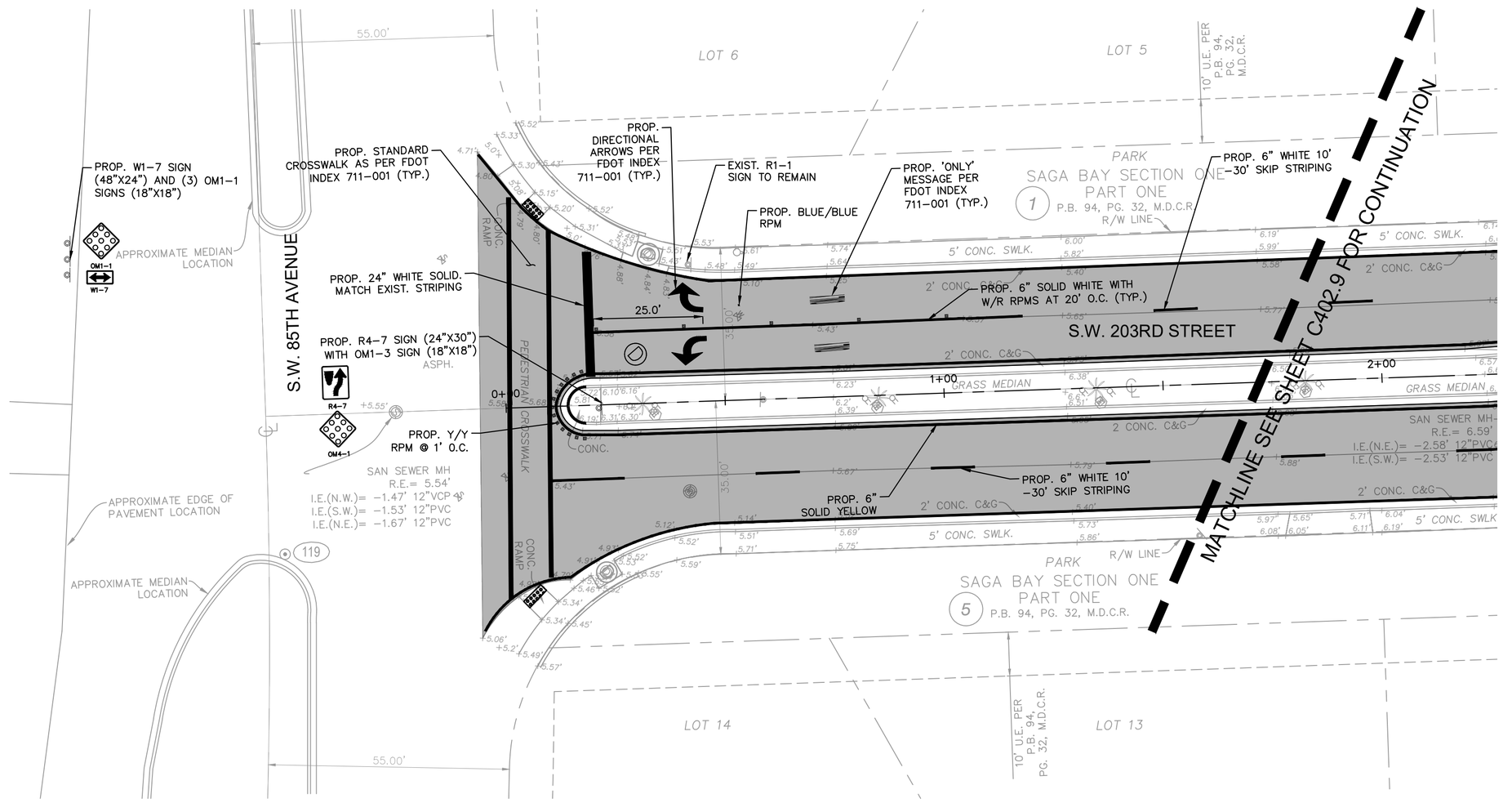
SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C402.7

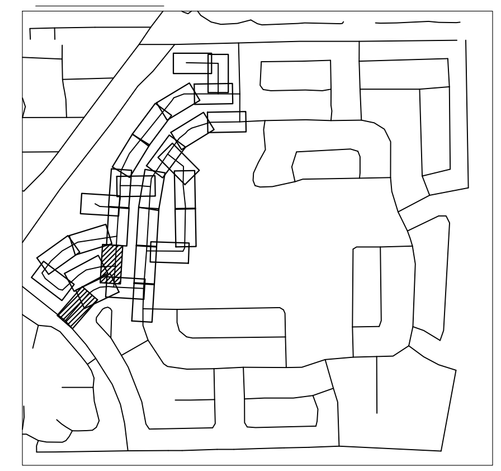
811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG www.callbeforeyoudig.com

Plotted By:Raziner Flores Sheet Set:SAGA BAY DRAINAGE IMPROVEMENTS Layout:C402.7 Signing and Pavement Marking Plan August 05, 2025 12:23:43pm K:\FLL_civil\043145105 saga bay drainage improvements\CAD\sheetset\CAD\layout\C402.1 Signing and Pavement Marking Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.
Town of Cutler Bay | ITB No. 25-04
Saga Bay Drainage Improvements
Page 278 of 328





KEY MAP



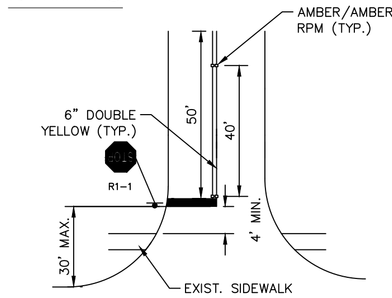
LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING STORM CATCH BASIN
- EXISTING SIGN
- EXISTING POWER POLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROP. PAVEMENT OVERLAY

NOTES

1. ALL PAVEMENT MARKING AND SIGNING SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), MIAMI-DADE TRAFFIC ENGINEERING.
2. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. CONTRACTOR SHALL PAINT MARKINGS THEN AFTER 14 DAY CURING PERIOD PLACE THERMOPLASTIC PAVEMENT MARKINGS.
3. ONE BI-DIRECTIONAL YELLOW REFLECTIVE PAVEMENT MARKER SHALL BE PROVIDED AT 40' INTERVALS ON EACH SIDE OF DOUBLE YELLOW STRIPES AND AT 40' INTERVALS WITHIN SKIP CENTERLINE MARKINGS.

DETAILS



STOP BAR & STRIPING DETAIL
NOT TO SCALE

NOTES:
1. EXISTING STOP SIGNS AND STOP BARS SHALL BE RELOCATED AS NEEDED TO COMPLY WITH MINIMUM/MAXIMUM DIMENSIONS SHOWN. ALL RELOCATIONS SHALL BE PREFORMED AT NO ADDITIONAL COST TO THE OWNER.
2. ALL STOP BARS SHALL BE LOCATED AS PER MIAMI-DADE COUNTY STANDARD DETAIL R18.2.
3. DETAILS IN FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) ROADWAY STANDARD PLANS FOR ROAD CONSTRUCTION, AND MIAMI-DADE COUNTY PUBLIC WORKS MANUAL SHALL BE USED WHERE APPLICABLE.
4. REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED AS NOTED IN PLANS AND DETAILS. ALL STRIPING SHALL BE THERMOPLASTIC.
5. ALL EXISTING SIGNS SHALL BE PROTECTED DURING CONSTRUCTION AND SHALL REMAIN. CONTRACTOR IS RESPONSIBLE TO REPLACE/REPAIR ANY DAMAGE TO SIGNAGE AS A RESULT OF CONSTRUCTION AT NO COST TO THE OWNER.
6. ALL EXISTING PAVEMENT MARKINGS SHALL BE REPLACED FOLLOWING RESURFACING.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON FLORIDA PROFESSIONAL ENGINEER No 85268 STATE OF FLORIDA

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

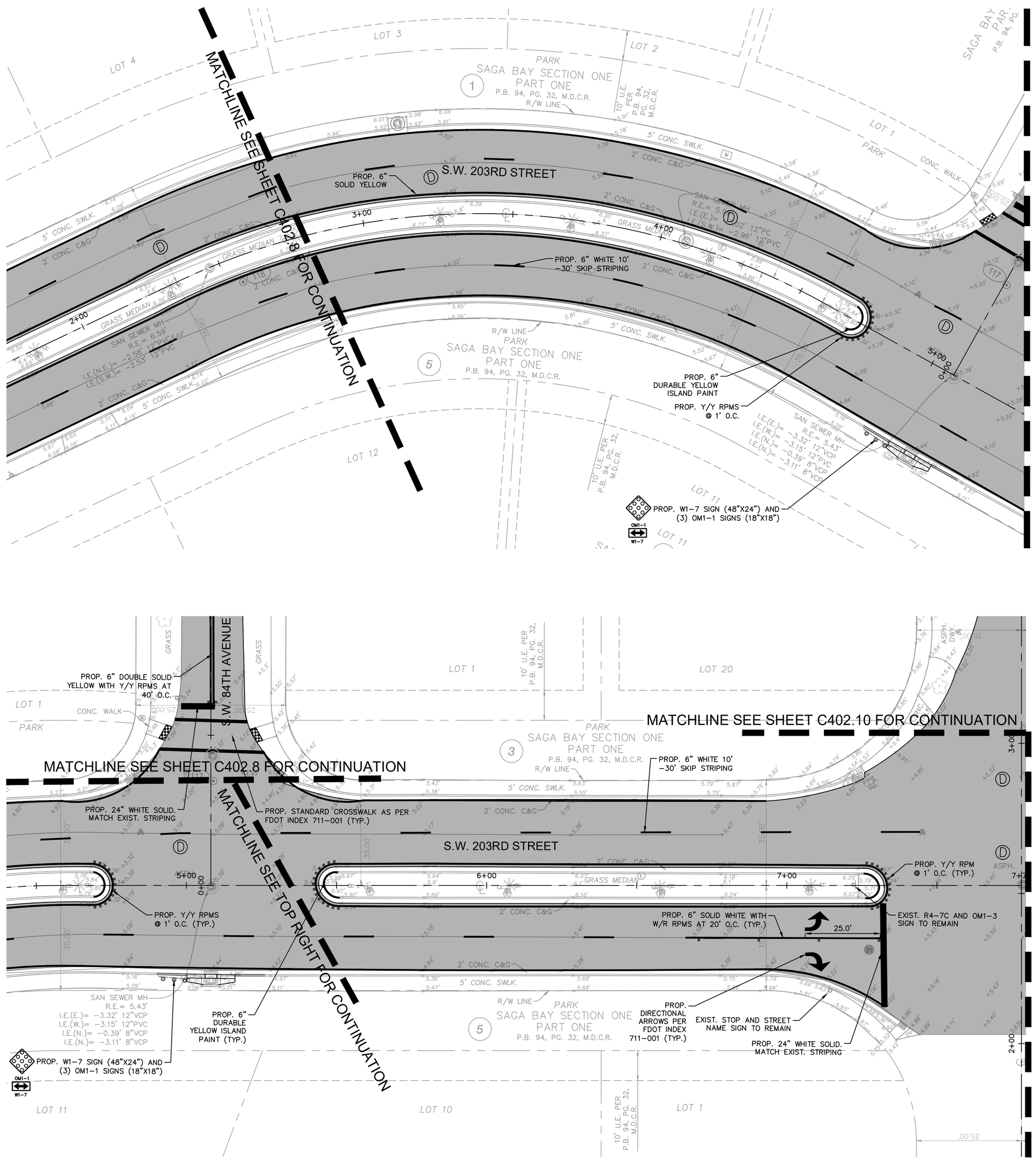
SIGNING AND PAVEMENT MARKING PLAN

SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

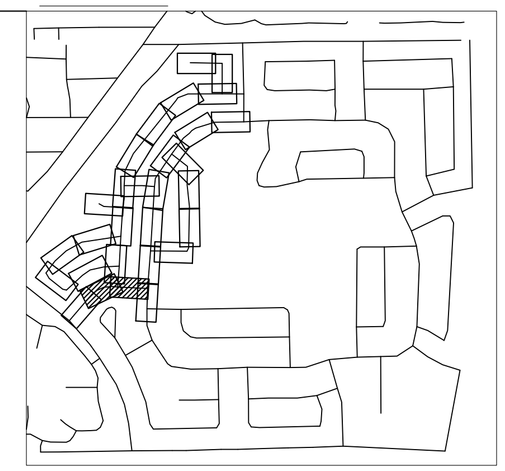
SHEET NUMBER
C402.8

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG www.callbeforeyoudig.com

Plotted By:Raziner Flores Sheet Set:SAGA BAY DRAINAGE IMPROVEMENTS Layout:C402 & Signing and Pavement Marking Plan August 05, 2025 12:23:58pm K:\MI_ald\043145105 saga bay drainage improvements\CAD\sheetset\C400.1 Signing and Pavement Marking Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.
Town of Cutler Bay | ITB No. 25-04
Saga Bay Drainage Improvements Project
Page 280 of 320



KEY MAP



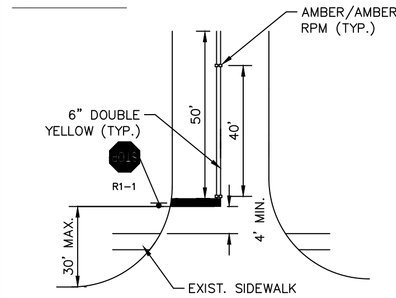
LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING STORM CATCH BASIN
- EXISTING SIGN
- EXISTING POWER POLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROP. PAVEMENT OVERLAY

NOTES

1. ALL PAVEMENT MARKING AND SIGNING SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), MIAMI-DADE TRAFFIC ENGINEERING.
2. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. CONTRACTOR SHALL PAINT MARKINGS THEN AFTER 14 DAY CURING PERIOD PLACE THERMOPLASTIC PAVEMENT MARKINGS.
3. ONE BI-DIRECTIONAL YELLOW REFLECTIVE PAVEMENT MARKER SHALL BE PROVIDED AT 40' INTERVALS ON EACH SIDE OF DOUBLE YELLOW STRIPES AND AT 40' INTERVALS WITHIN SKIP CENTERLINE MARKINGS.

DETAILS



STOP BAR & STRIPING DETAIL
NOT TO SCALE

NOTES:
1. EXISTING STOP SIGNS AND STOP BARS SHALL BE RELOCATED AS NEEDED TO COMPLY WITH MINIMUM/MAXIMUM DIMENSIONS SHOWN. ALL RELOCATIONS SHALL BE PREFORMED AT NO ADDITIONAL COST TO THE OWNER.
2. ALL STOP BARS SHALL BE LOCATED AS PER MIAMI-DADE COUNTY STANDARD DETAIL R18.2.
3. DETAILS IN FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) ROADWAY STANDARD PLANS FOR ROAD CONSTRUCTION, AND MIAMI-DADE COUNTY PUBLIC WORKS MANUAL SHALL BE USED WHERE APPLICABLE.
4. REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED AS NOTED IN PLANS AND DETAILS. ALL STRIPING SHALL BE THERMOPLASTIC.
5. ALL EXISTING SIGNS SHALL BE PROTECTED DURING CONSTRUCTION AND SHALL REMAIN. CONTRACTOR IS RESPONSIBLE TO REPLACE/REPAIR ANY DAMAGE TO SIGNAGE AS A RESULT OF CONSTRUCTION AT NO COST TO THE OWNER.
6. ALL EXISTING PAVEMENT MARKINGS SHALL BE REPLACED FOLLOWING RESURFACING.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

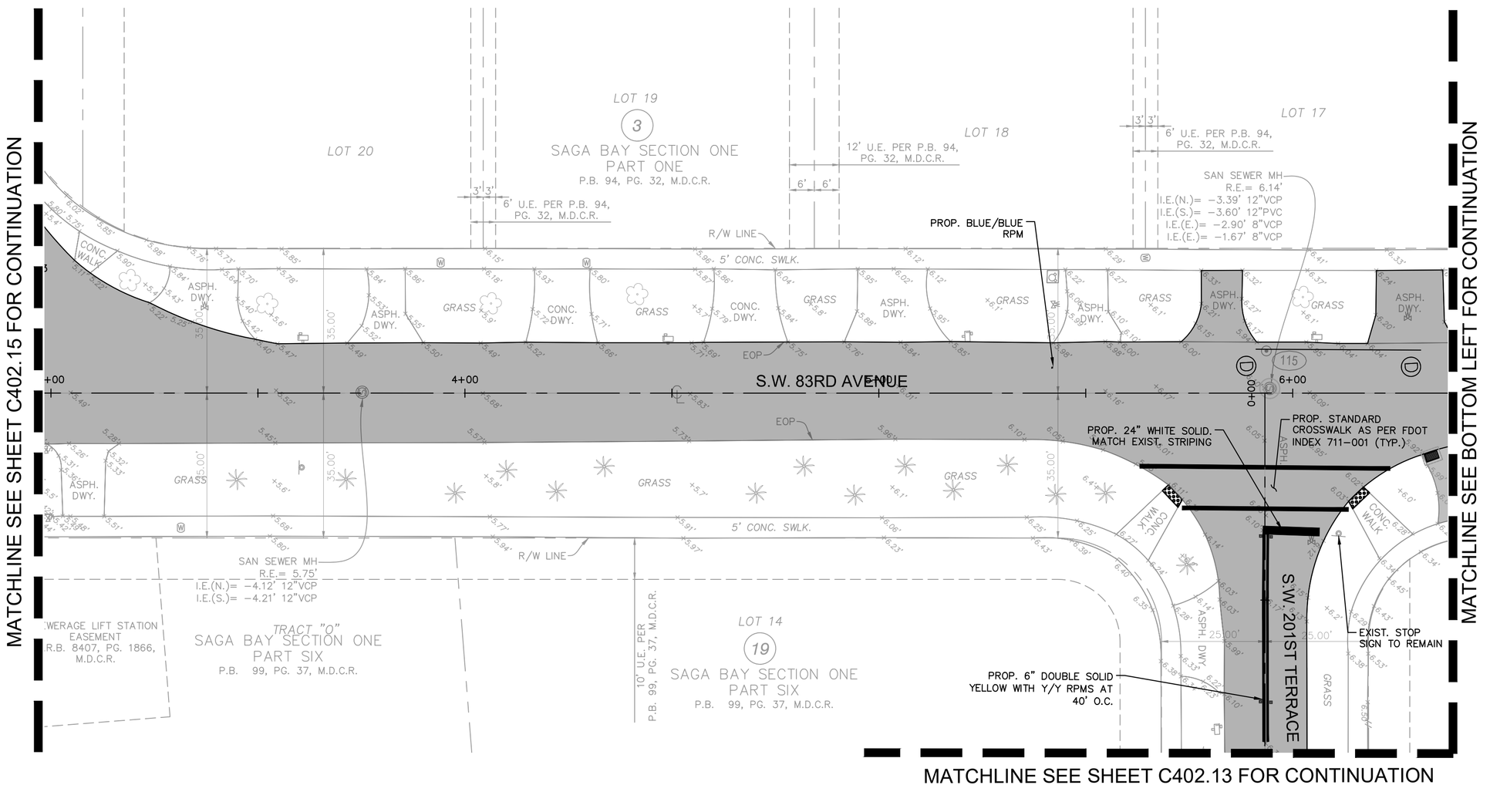
SIGNING AND PAVEMENT MARKING PLAN

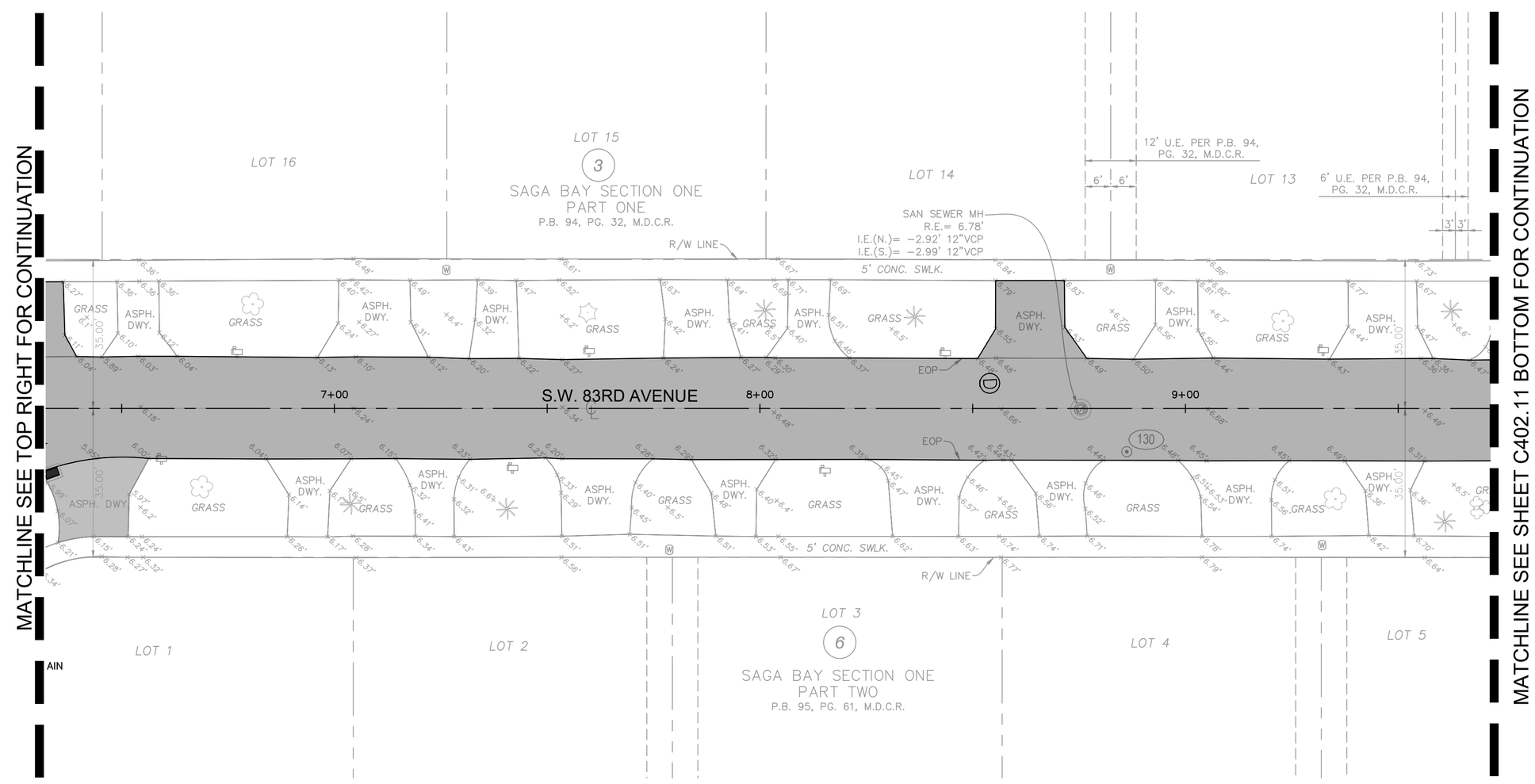
SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C402.9

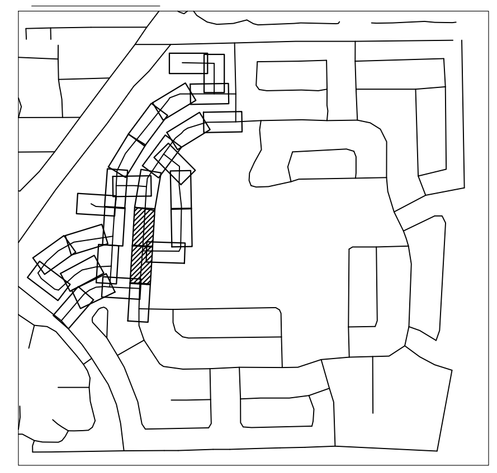
811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
www.callbeforeyoudig.com

Plotted By: Rachner, Elianne Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C402.9 Signing and Pavement Marking Plan August 05, 2025 12:24:14pm K:\MI_dsk\043145105.corp.kor.dsk\civil\043145105.corp.kor.dsknonxrefs\043145105_corp_kor_dsk_civil_sheetset\C4001 Signing and Pavement Marking Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.





KEY MAP



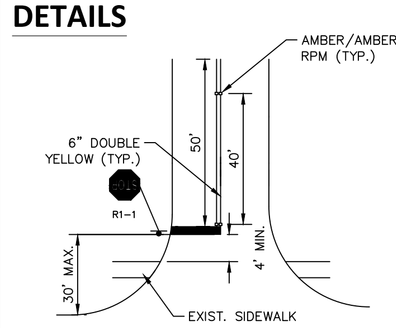
LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING STORM CATCH BASIN
- EXISTING SIGN
- EXISTING POWER POLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROP. PAVEMENT OVERLAY

NOTES

1. ALL PAVEMENT MARKING AND SIGNING SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), MIAMI-DADE TRAFFIC ENGINEERING.
2. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. CONTRACTOR SHALL PAINT MARKINGS THEN AFTER 14 DAY CURING PERIOD PLACE THERMOPLASTIC PAVEMENT MARKINGS.
3. ONE BI-DIRECTIONAL YELLOW REFLECTIVE PAVEMENT MARKER SHALL BE PROVIDED AT 40' INTERVALS ON EACH SIDE OF DOUBLE YELLOW STRIPES AND AT 40' INTERVALS WITHIN SKIP CENTERLINE MARKINGS.

DETAILS



STOP BAR & STRIPING DETAIL
NOT TO SCALE

NOTES:
1. EXISTING STOP SIGNS AND STOP BARS SHALL BE RELOCATED AS NEEDED TO COMPLY WITH MINIMUM/MAXIMUM DIMENSIONS SHOWN. ALL RELOCATIONS SHALL BE PREFORMED AT NO ADDITIONAL COST TO THE OWNER.
2. ALL STOP BARS SHALL BE LOCATED AS PER MIAMI-DADE COUNTY STANDARD DETAIL R18.2.
3. DETAILS IN FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) ROADWAY STANDARD PLANS FOR ROAD CONSTRUCTION, AND MIAMI-DADE COUNTY PUBLIC WORKS MANUAL SHALL BE USED WHERE APPLICABLE.
4. REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED AS NOTED IN PLANS AND DETAILS. ALL STRIPING SHALL BE THERMOPLASTIC.
5. ALL EXISTING SIGNS SHALL BE PROTECTED DURING CONSTRUCTION AND SHALL REMAIN. CONTRACTOR IS RESPONSIBLE TO REPLACE/REPAIR ANY DAMAGE TO SIGNAGE AS A RESULT OF CONSTRUCTION AT NO COST TO THE OWNER.
6. ALL EXISTING PAVEMENT MARKINGS SHALL BE REPLACED FOLLOWING RESURFACING.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON
FLORIDA PROFESSIONAL ENGINEER
LICENSE No. 85268
STATE OF FLORIDA
DATE:

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

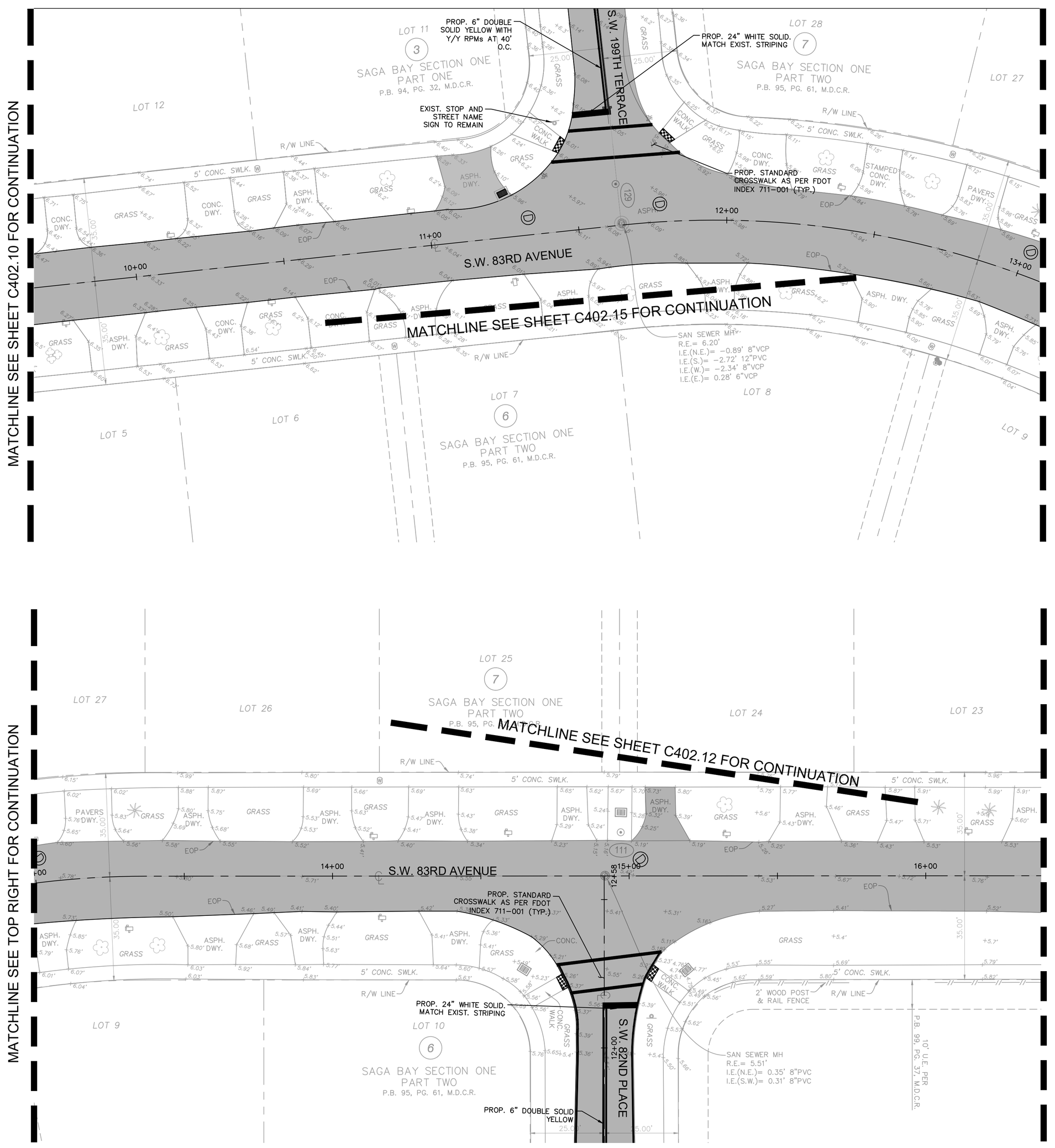
SIGNING AND PAVEMENT MARKING PLAN

SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

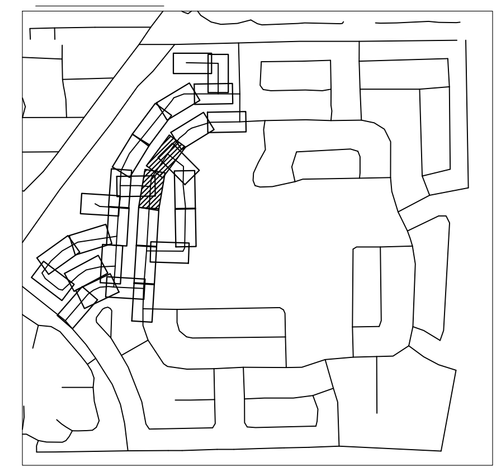
SHEET NUMBER
C402.10

811 KNOW WHAT'S BELOW CALL OR CLICK BEFORE YOU DIG
It's fast, it's free, it's the law.
www.callsunshine.com

Plotted By: Rapinder Flores, Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS, Layout: C402.10 Signing and Pavement Marking Plan, August 05, 2025, 12:24:20pm, K:\MI_civil\043_jobs\043145105_saga bay drainage improvements\CAD\plotsheets\C402.1 Signing and Pavement Marking Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



KEY MAP



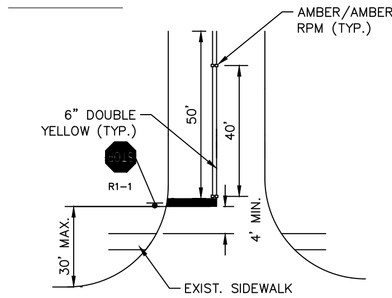
LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING STORM CATCH BASIN
- EXISTING SIGN
- EXISTING POWER POLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROP. PAVEMENT OVERLAY

NOTES

1. ALL PAVEMENT MARKING AND SIGNING SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), MIAMI-DADE TRAFFIC ENGINEERING.
2. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. CONTRACTOR SHALL PAINT MARKINGS THEN AFTER 14 DAY CURING PERIOD PLACE THERMOPLASTIC PAVEMENT MARKINGS.
3. ONE BI-DIRECTIONAL YELLOW REFLECTIVE PAVEMENT MARKER SHALL BE PROVIDED AT 40' INTERVALS ON EACH SIDE OF DOUBLE YELLOW STRIPES AND AT 40' INTERVALS WITHIN SKIP CENTERLINE MARKINGS.

DETAILS



STOP BAR & STRIPING DETAIL
NOT TO SCALE

NOTES:
1. EXISTING STOP SIGNS AND STOP BARS SHALL BE RELOCATED AS NEEDED TO COMPLY WITH MINIMUM/MAXIMUM DIMENSIONS SHOWN. ALL RELOCATIONS SHALL BE PREFORMED AT NO ADDITIONAL COST TO THE OWNER.
2. ALL STOP BARS SHALL BE LOCATED AS PER MIAMI-DADE COUNTY STANDARD DETAIL R18.2.
3. DETAILS IN FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) ROADWAY STANDARD PLANS FOR ROAD CONSTRUCTION, AND MIAMI-DADE COUNTY PUBLIC WORKS MANUAL SHALL BE USED WHERE APPLICABLE.
4. REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED AS NOTED IN PLANS AND DETAILS. ALL STRIPING SHALL BE THERMOPLASTIC.
5. ALL EXISTING SIGNS SHALL BE PROTECTED DURING CONSTRUCTION AND SHALL REMAIN. CONTRACTOR IS RESPONSIBLE TO REPLACE/REPAIR ANY DAMAGE TO SIGNAGE AS A RESULT OF CONSTRUCTION AT NO COST TO THE OWNER.
6. ALL EXISTING PAVEMENT MARKINGS SHALL BE REPLACED FOLLOWING RESURFACING.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON FLORIDA PROFESSIONAL ENGINEER LICENSE No 85268 STATE OF FLORIDA DATE: 12/24/2025

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

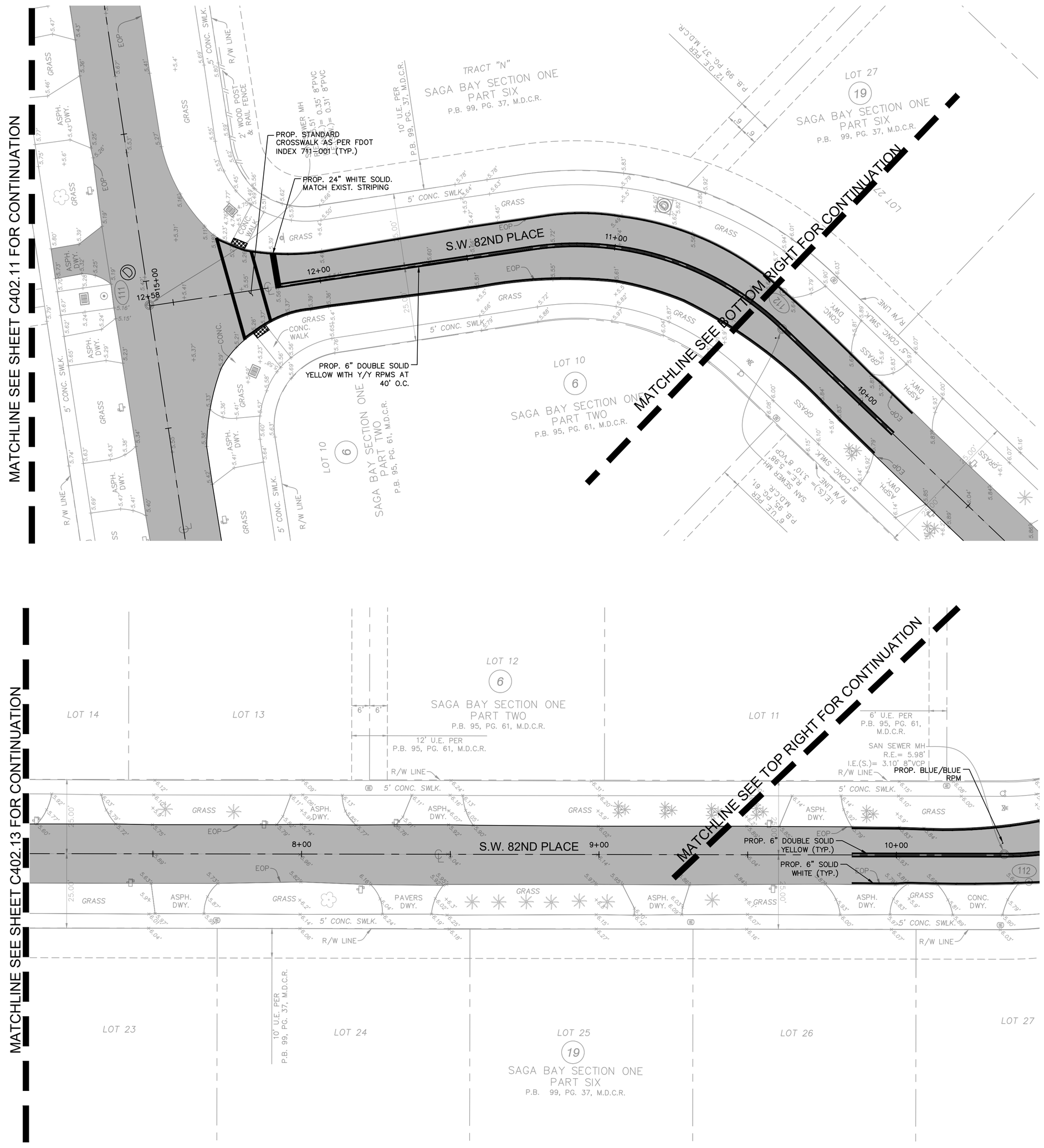
SIGNING AND PAVEMENT MARKING PLAN

SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

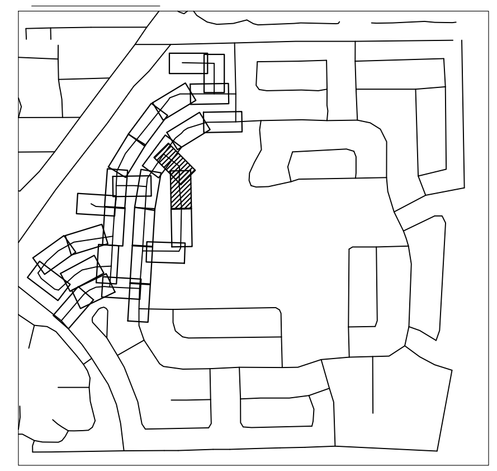
SHEET NUMBER
C402.11

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG www.callbeforeyoudig.com

Plotted By: Raziner Flores Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C402.11 Signing and Pavement Marking Plan August 05, 2025 12:24:47pm K:\Ut_dp\043145105 saga bay drainage improvements\CAD\plansheet\C400.1 Signing and Pavement Marking Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



KEY MAP



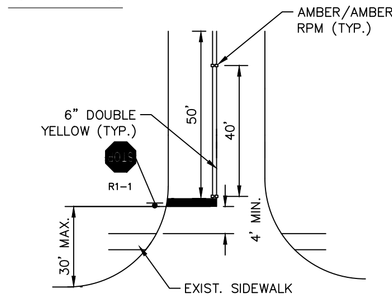
LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING STORM CATCH BASIN
- EXISTING SIGN
- EXISTING POWER POLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROP. PAVEMENT OVERLAY

NOTES

1. ALL PAVEMENT MARKING AND SIGNING SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), MIAMI-DADE TRAFFIC ENGINEERING.
2. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. CONTRACTOR SHALL PAINT MARKINGS THEN AFTER 14 DAY CURING PERIOD PLACE THERMOPLASTIC PAVEMENT MARKINGS.
3. ONE BI-DIRECTIONAL YELLOW REFLECTIVE PAVEMENT MARKER SHALL BE PROVIDED AT 40' INTERVALS ON EACH SIDE OF DOUBLE YELLOW STRIPES AND AT 40' INTERVALS WITHIN SKIP CENTERLINE MARKINGS.

DETAILS



STOP BAR & STRIPING DETAIL

NOT TO SCALE

NOTES:
1. EXISTING STOP SIGNS AND STOP BARS SHALL BE RELOCATED AS NEEDED TO COMPLY WITH MINIMUM/MAXIMUM DIMENSIONS SHOWN. ALL RELOCATIONS SHALL BE PREFORMED AT NO ADDITIONAL COST TO THE OWNER.
2. ALL STOP BARS SHALL BE LOCATED AS PER MIAMI-DADE COUNTY STANDARD DETAIL R18.2.
3. DETAILS IN FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) ROADWAY STANDARD PLANS FOR ROAD CONSTRUCTION, AND MIAMI-DADE COUNTY PUBLIC WORKS MANUAL SHALL BE USED WHERE APPLICABLE.
4. REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED AS NOTED IN PLANS AND DETAILS. ALL STRIPING SHALL BE THERMOPLASTIC.
5. ALL EXISTING SIGNS SHALL BE PROTECTED DURING CONSTRUCTION AND SHALL REMAIN. CONTRACTOR IS RESPONSIBLE TO REPLACE/REPAIR ANY DAMAGE TO SIGNAGE AS A RESULT OF CONSTRUCTION AT NO COST TO THE OWNER.
6. ALL EXISTING PAVEMENT MARKINGS SHALL BE REPLACED FOLLOWING RESURFACING.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON ★ FLORIDA LICENSE ★ No 85268 ★ STATE OF FLORIDA ★ PROFESSIONAL ENGINEER

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

SIGNING AND PAVEMENT MARKING PLAN

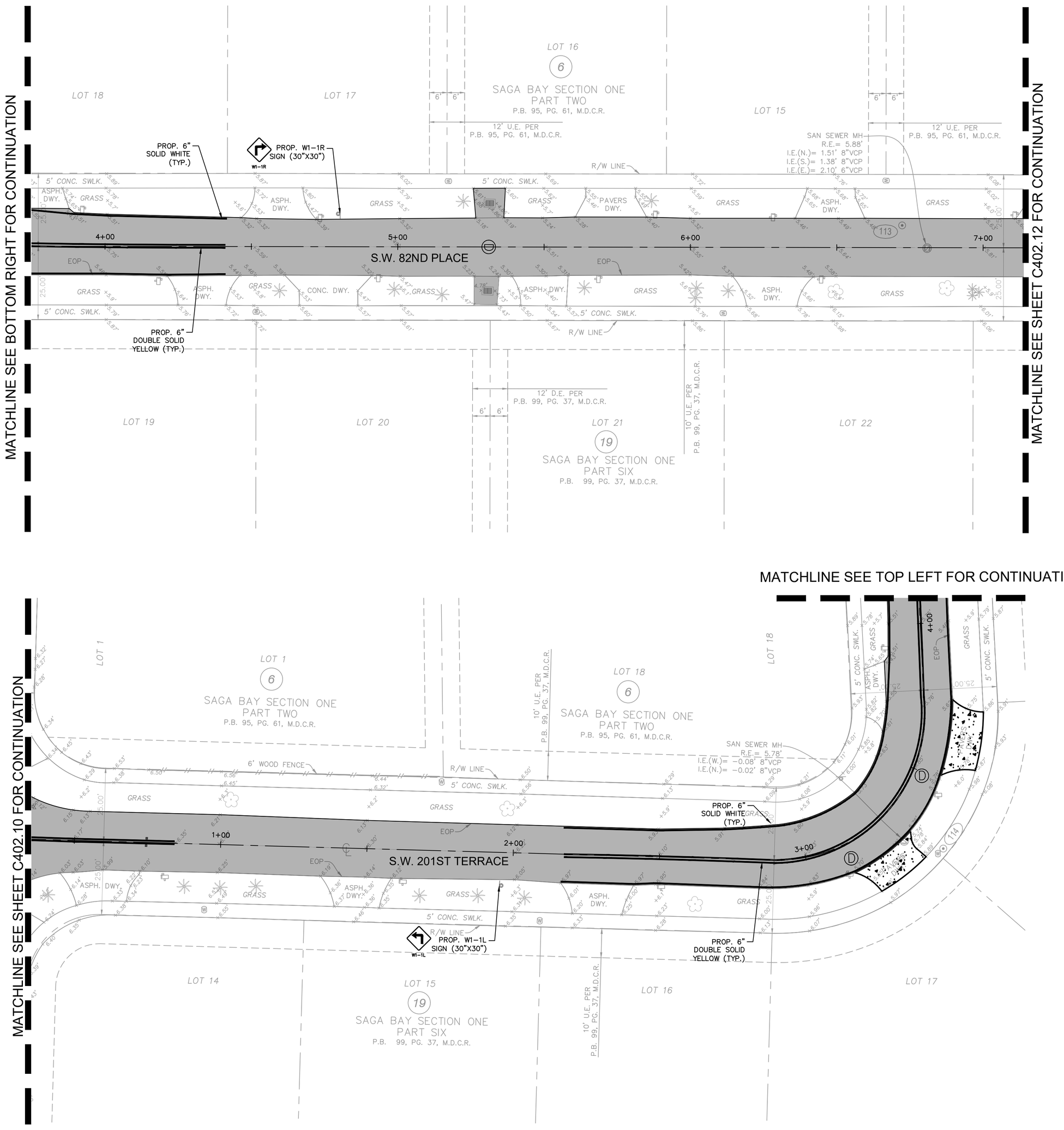
SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C402.12

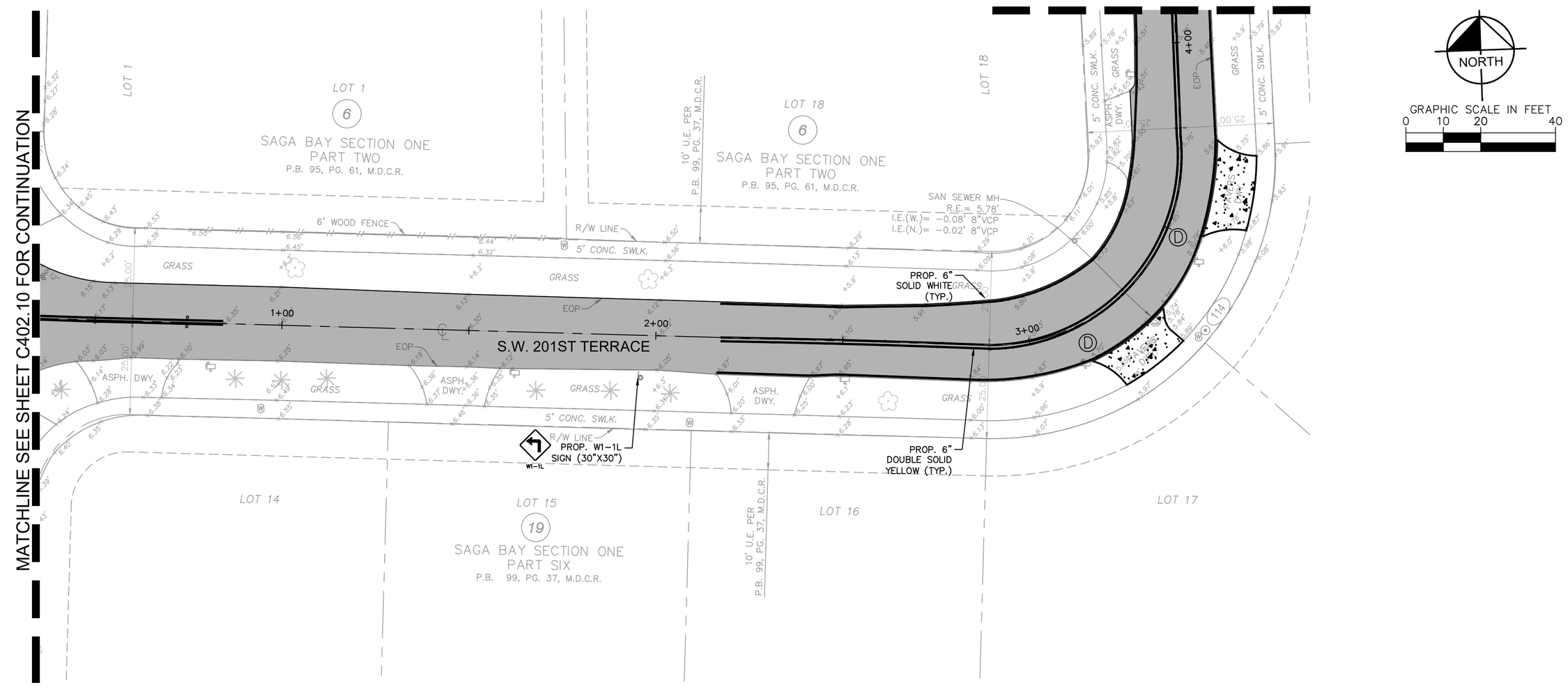
811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
www.callbeforeyoudig.com

Plotted By:Raziner, Eliana Sheet Set:SAGA BAY DRAINAGE IMPROVEMENTS Layout:C402.12 Stanton and Pavement Marking Plan August 06, 2026 12:24:57pm K:\MI_civil\043_jobs\043145105_saga bay drainage improvements\CAD\plotsheets\C400.1 Stanton and Pavement Marking Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

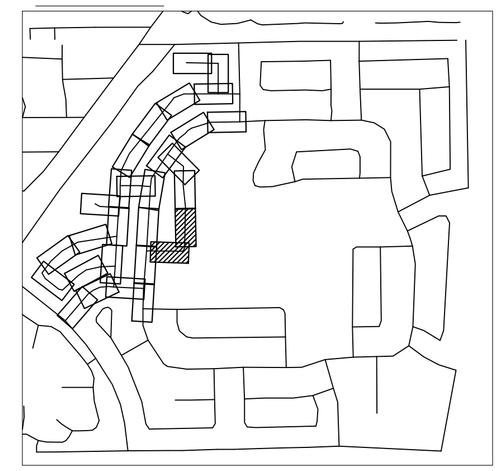
Town of Cutler Bay | ITB No. 25-04
Saga Bay Drainage Improvements Project
Page 284 of 320



MATCHLINE SEE TOP LEFT FOR CONTINUATION



KEY MAP



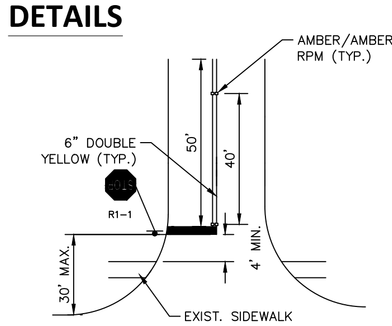
LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING STORM CATCH BASIN
- EXISTING SIGN
- EXISTING POWER POLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROP. PAVEMENT OVERLAY

NOTES

1. ALL PAVEMENT MARKING AND SIGNING SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), MIAMI-DADE TRAFFIC ENGINEERING.
2. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. CONTRACTOR SHALL PAINT MARKINGS THEN AFTER 14 DAY CURING PERIOD PLACE THERMOPLASTIC PAVEMENT MARKINGS.
3. ONE BI-DIRECTIONAL YELLOW REFLECTIVE PAVEMENT MARKER SHALL BE PROVIDED AT 40' INTERVALS ON EACH SIDE OF DOUBLE YELLOW STRIPES AND AT 40' INTERVALS WITHIN SKIP CENTERLINE MARKINGS.

DETAILS



STOP BAR & STRIPING DETAIL

NOT TO SCALE

NOTES:
1. EXISTING STOP SIGNS AND STOP BARS SHALL BE RELOCATED AS NEEDED TO COMPLY WITH MINIMUM/MAXIMUM DIMENSIONS SHOWN. ALL RELOCATIONS SHALL BE PREFORMED AT NO ADDITIONAL COST TO THE OWNER.
2. ALL STOP BARS SHALL BE LOCATED AS PER MIAMI-DADE COUNTY STANDARD DETAIL R18.2.
3. DETAILS IN FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) ROADWAY STANDARD PLANS FOR ROAD CONSTRUCTION, AND MIAMI-DADE COUNTY PUBLIC WORKS MANUAL SHALL BE USED WHERE APPLICABLE.
4. REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED AS NOTED IN PLANS AND DETAILS. ALL STRIPING SHALL BE THERMOPLASTIC.
5. ALL EXISTING SIGNS SHALL BE PROTECTED DURING CONSTRUCTION AND SHALL REMAIN. CONTRACTOR IS RESPONSIBLE TO REPLACE/REPAIR ANY DAMAGE TO SIGNAGE AS A RESULT OF CONSTRUCTION AT NO COST TO THE OWNER.
6. ALL EXISTING PAVEMENT MARKINGS SHALL BE REPLACED FOLLOWING RESURFACING.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON
FLORIDA PROFESSIONAL ENGINEER
No 85268
STATE OF
FLORIDA
FILE/LICENSE
DATE: 12/26/2025

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

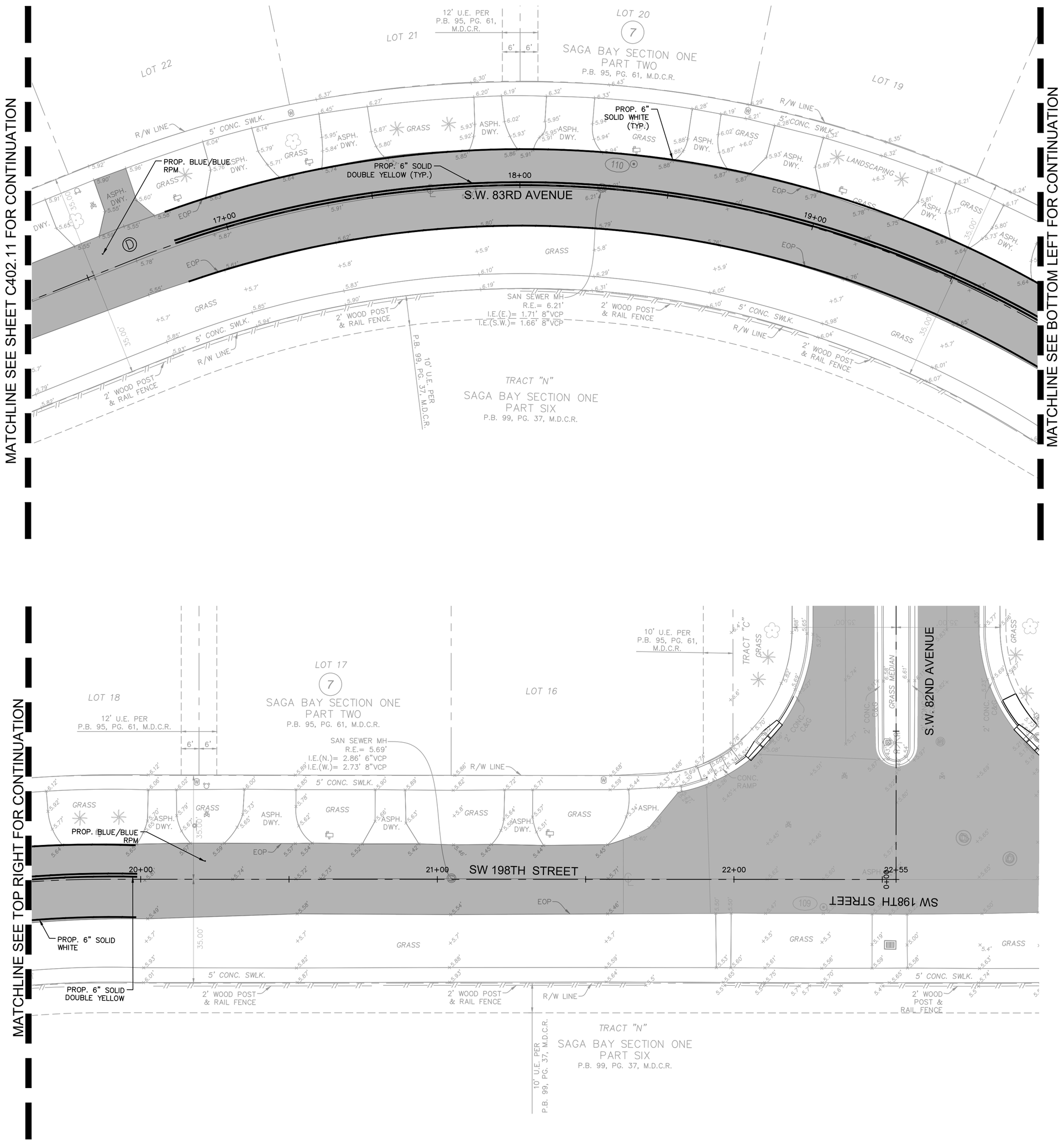
SIGNING AND PAVEMENT MARKING PLAN

SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C402.13

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
www.callbeforeyoudig.com

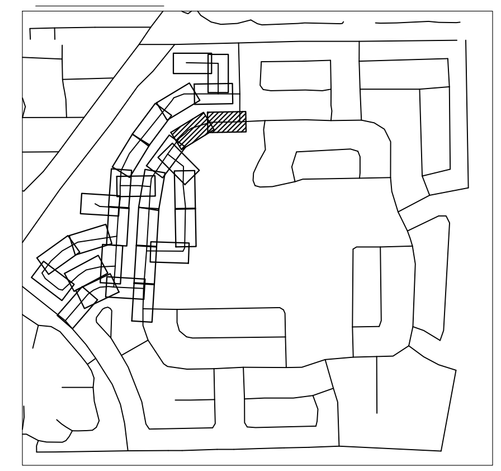
Plotted By:Raziner, Eliana Sheet Set:SAGA BAY DRAINAGE IMPROVEMENTS Layout:C402.13 Stanton and Pavement Mortice Plan August 06, 2026 12:26:13pm K:\Mi...ents\043145105 saga bay drainage improvements\CAD\plansheets\C400.1 Signing and Pavement Mortice Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.
Town of Cutler Bay | ITB No. 25-07
Saga Bay Drainage Improvements Project
Page 256 of 320



NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

KEY MAP



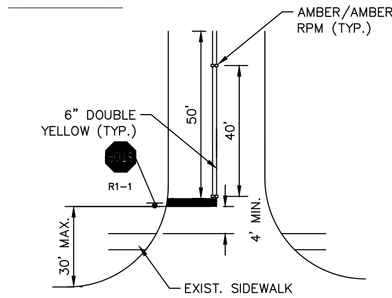
LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING STORM CATCH BASIN
- EXISTING SIGN
- EXISTING POWER POLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROP. PAVEMENT OVERLAY

NOTES

1. ALL PAVEMENT MARKING AND SIGNING SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), MIAMI-DADE TRAFFIC ENGINEERING.
2. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. CONTRACTOR SHALL PAINT MARKINGS THEN AFTER 14 DAY CURING PERIOD PLACE THERMOPLASTIC PAVEMENT MARKINGS.
3. ONE BI-DIRECTIONAL YELLOW REFLECTIVE PAVEMENT MARKER SHALL BE PROVIDED AT 40' INTERVALS ON EACH SIDE OF DOUBLE YELLOW STRIPES AND AT 40' INTERVALS WITHIN SKIP CENTERLINE MARKINGS.

DETAILS



STOP BAR & STRIPING DETAIL
NOT TO SCALE

NOTES:
1. EXISTING STOP SIGNS AND STOP BARS SHALL BE RELOCATED AS NEEDED TO COMPLY WITH MINIMUM/MAXIMUM DIMENSIONS SHOWN. ALL RELOCATIONS SHALL BE PREFORMED AT NO ADDITIONAL COST TO THE OWNER.
2. ALL STOP BARS SHALL BE LOCATED AS PER MIAMI-DADE COUNTY STANDARD DETAIL R18.2.
3. DETAILS IN FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) ROADWAY STANDARD PLANS FOR ROAD CONSTRUCTION, AND MIAMI-DADE COUNTY PUBLIC WORKS MANUAL SHALL BE USED WHERE APPLICABLE.
4. REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED AS NOTED IN PLANS AND DETAILS. ALL STRIPING SHALL BE THERMOPLASTIC.
5. ALL EXISTING SIGNS SHALL BE PROTECTED DURING CONSTRUCTION AND SHALL REMAIN. CONTRACTOR IS RESPONSIBLE TO REPLACE/REPAIR ANY DAMAGE TO SIGNAGE AS A RESULT OF CONSTRUCTION AT NO COST TO THE OWNER.
6. ALL EXISTING PAVEMENT MARKINGS SHALL BE REPLACED FOLLOWING RESURFACING.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON
No 85268
STATE OF FLORIDA
PROFESSIONAL ENGINEER
LICENSE
DATE: 12/5/2025

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

SIGNING AND PAVEMENT MARKING PLAN

SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C402.14

KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
www.callbeforeyoudig.com

Plotted By: Rainier Flores Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C402.14 Staging and Pavement Marking Plan August 06, 2025 12:26:20pm K:\MI_civil\043_jobs\043145105_saga bay drainage improvements\CAD\plansheets\C400.1 Staging and Pavement Marking Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Town of Cutler Bay | ITB No. 25-07
Saga Bay Drainage Improvements
Page 286 of 329

Plotted By: Rapinder Filipo, Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS - Layout: C402.15 Signing and Pavement Marking Plan, August 05, 2025, 12:25:43pm K:\MI_civil\043_jobs\04314510\6 sagas bay drainage improvements\3-CAD\plansheets\C402.1 Signing and Pavement Marking Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

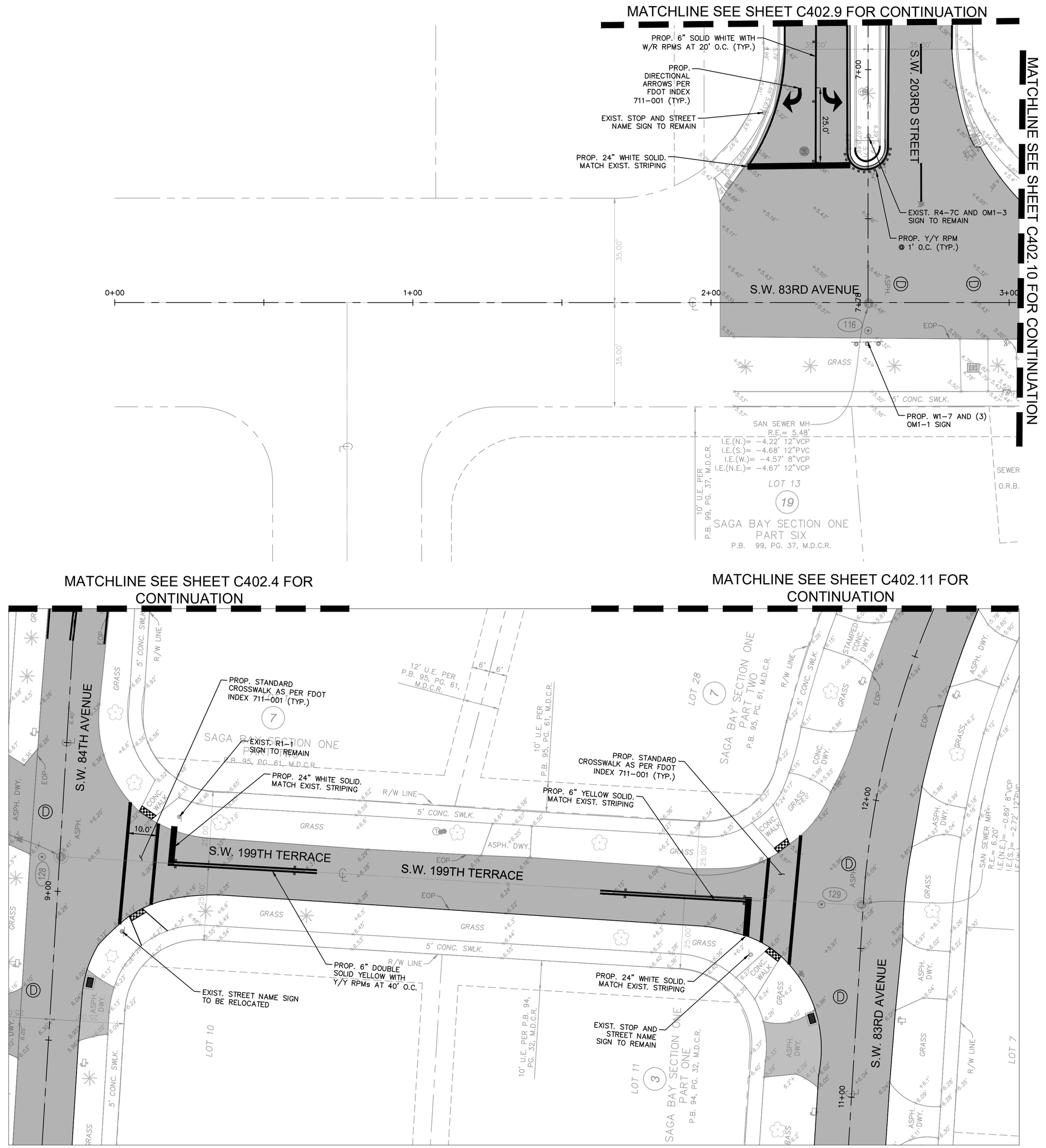
Town of Cutler Bay | ITB No. 25-04
Saga Bay Drainage Improvements
Page 237 of 330

MATCHLINE SEE SHEET C402.9 FOR CONTINUATION

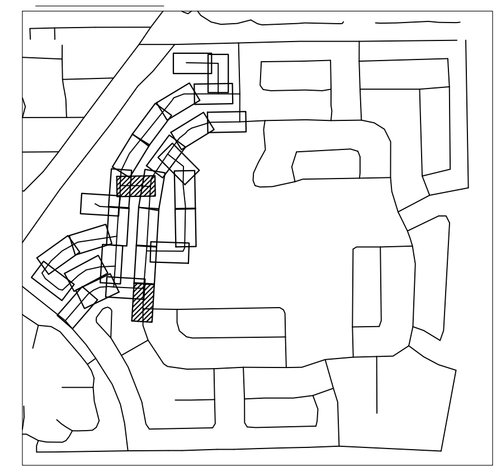
MATCHLINE SEE SHEET C402.10 FOR CONTINUATION

MATCHLINE SEE SHEET C402.4 FOR CONTINUATION

MATCHLINE SEE SHEET C402.11 FOR CONTINUATION



KEY MAP



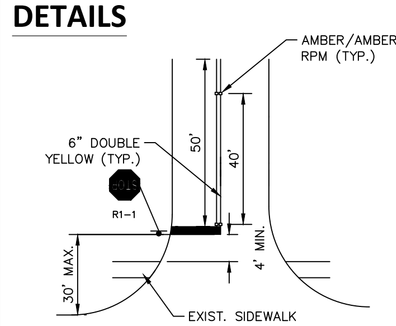
LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING STORM CATCH BASIN
- EXISTING SIGN
- EXISTING POWER POLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROP. PAVEMENT OVERLAY

NOTES

1. ALL PAVEMENT MARKING AND SIGNING SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), MIAMI-DADE TRAFFIC ENGINEERING.
2. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. CONTRACTOR SHALL PAINT MARKINGS THEN AFTER 14 DAY CURING PERIOD PLACE THERMOPLASTIC PAVEMENT MARKINGS.
3. ONE BI-DIRECTIONAL YELLOW REFLECTIVE PAVEMENT MARKER SHALL BE PROVIDED AT 40' INTERVALS ON EACH SIDE OF DOUBLE YELLOW STRIPES AND AT 40' INTERVALS WITHIN SKIP CENTERLINE MARKINGS.

DETAILS



STOP BAR & STRIPING DETAIL
NOT TO SCALE

NOTES:
1. EXISTING STOP SIGNS AND STOP BARS SHALL BE RELOCATED AS NEEDED TO COMPLY WITH MINIMUM/MAXIMUM DIMENSIONS SHOWN. ALL RELOCATIONS SHALL BE PREFORMED AT NO ADDITIONAL COST TO THE OWNER.
2. ALL STOP BARS SHALL BE LOCATED AS PER MIAMI-DADE COUNTY STANDARD DETAIL R18.2.
3. DETAILS IN FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) ROADWAY STANDARD PLANS FOR ROAD CONSTRUCTION, AND MIAMI-DADE COUNTY PUBLIC WORKS MANUAL SHALL BE USED WHERE APPLICABLE.
4. REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED AS NOTED IN PLANS AND DETAILS. ALL STRIPING SHALL BE THERMOPLASTIC.
5. ALL EXISTING SIGNS SHALL BE PROTECTED DURING CONSTRUCTION AND SHALL REMAIN. CONTRACTOR IS RESPONSIBLE TO REPLACE/REPAIR ANY DAMAGE TO SIGNAGE AS A RESULT OF CONSTRUCTION AT NO COST TO THE OWNER.
6. ALL EXISTING PAVEMENT MARKINGS SHALL BE REPLACED FOLLOWING RESURFACING.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON FLORIDA LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: [illegible]

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

SIGNING AND PAVEMENT MARKING PLAN

SAGA BAY DRAINAGE IMPROVEMENTS-WEST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C402.15

811 KNOW WHAT'S BELOW CALL BEFORE YOU DIG! It's fast. It's free. It's the law. www.callsunshine.com

APPENDIX "E"

PROJECT PLANS

Prepared by Kimley-Horn and Associates, Inc.

Saga Bay East (Phase III)

SAGA BAY DRAINAGE IMPROVEMENTS

PREPARED FOR:

TOWN OF CUTLER BAY

LOCATION:

SAGA BAY NEIGHBORHOODS

CUTLER BAY, FLORIDA

SECTION 10, TOWNSHIP 56S, RANGE 40E

EAST

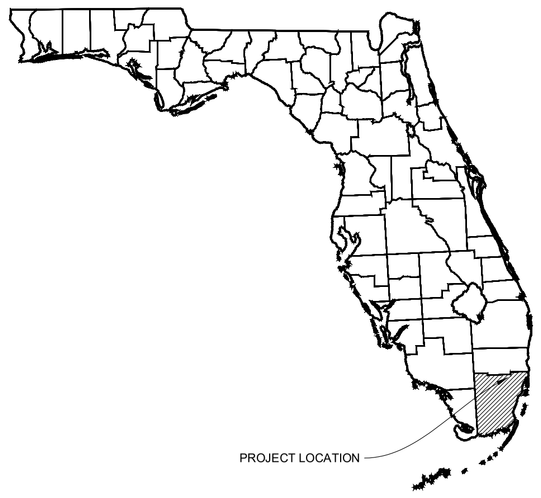
PROJECT TEAM

OWNER:
TOWN OF CUTLER BAY
10720 CARIBBEAN BLVD. SUITE 105
CUTLER BAY, FL 33189
(305) 234-4262

CIVIL ENGINEER:
KIMLEY-HORN & ASSOCIATES
TIFFANY STANTON, P.E.
8201 PETERS ROAD, SUITE 2200
PLANTATION, FL 33324
(954) 828-0081
TIFFANY.STANTON@KIMLEY-HORN.COM

SURVEYOR:
STONER & ASSOCIATES, INC.
4341 S.W. 62ND AVENUE
DAVIE, FL 33314
(954) 585-0997

GEOTECHNICAL:
TIERRA SOUTH FLORIDA
2765 VISTA PKWAY
WEST PALM BEACH, FL 33411
(561) 687-8536
INFO@TSFGEO.COM



UTILITY PROVIDERS

WATER, SEWER, STORM:
MIAMI DADE
CONTACT: LAZARO GUERRA
3575 S LEJEUNE ROAD, MIAMI, FL, 33146
(786) 268-5273
LAZARO.GUERRA@MIAMIDADE.GOV

COMCAST:
CONTACT: RICARDO DAVIDSON
6565 NOVA DRIVE
DAVIE, FL, 33317
(786) 586-8505
RICARDOA_DAVIDSON@COMCAST.COM

FPL
CONTACT: EDGAR AGUILAR
10705 QUAIL ROOST DR
MIAMI, FL, 33157
(386) 586-6403
EDGAR.AGUILAR@FPL.COM

GAS:
FLORIDA CITY GAS
CONTACT: GUSTAVO PENA
4045 NW 97TH AVE, DORAL, FL 33178
(305) 835-3624
FCG-ENGINEERING.SHAREDMAILBOX@NEXTERAENERGY.COM

AT&T:
CONTACT: DINO FARRUGGIO
6628 LAKESIDE ROAD, WEST PALM BEACH, FL, 33411
(561) 683-2729

FIBER:
CROWN CASTLE FIBER
CONTACT: DANNY HASKETT
1601 NW 136TH AVE, SUITE A-200
MIAMI, FL 33323
(786) 610-7073

COMMUNITY OFFICIALS

TIM MEERBOTT	MAYOR
MICHAEL P. CALLAHAN	VICE MAYOR
ROBERT DUNCAN	COUNCIL MEMBER
SUZY LORD	COUNCIL MEMBER
RICHARD RAMIREZ	COUNCIL MEMBER

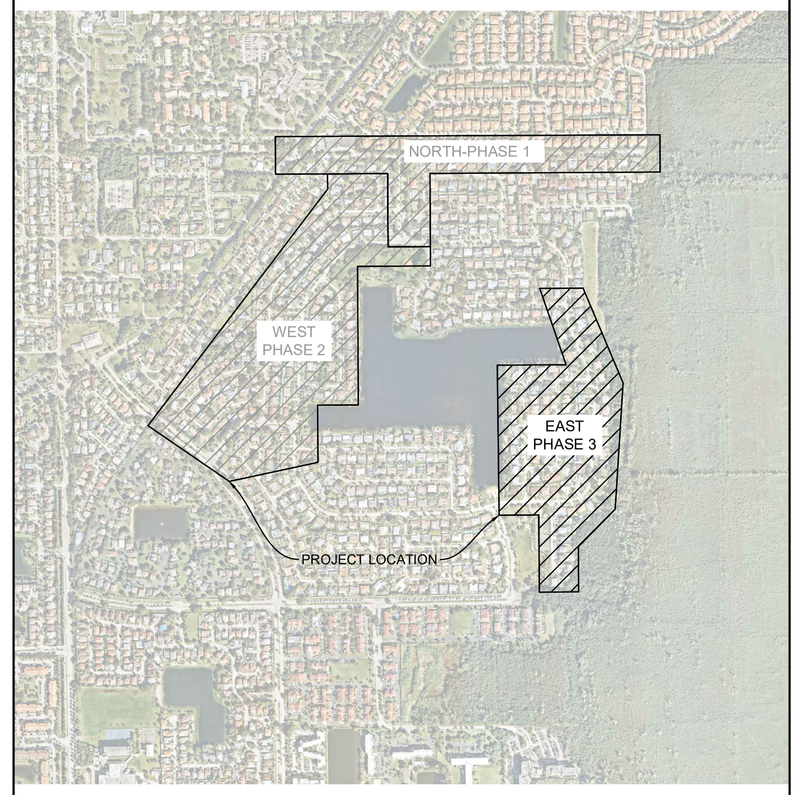
811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

Sheet List Table

Sheet Number	Sheet Title
C003.0	Cover Sheet
C003.1	General Notes
C003.2	General Notes
C103.0	Key Map
C203.1	Demolition and Erosion Control Plan
C203.2	Demolition and Erosion Control Plan
C203.3	Demolition and Erosion Control Plan
C203.4	Demolition and Erosion Control Plan
C203.5	Demolition and Erosion Control Plan
C203.6	Demolition and Erosion Control Plan
C203.7	Demolition and Erosion Control Plan
C203.8	Demolition and Erosion Control Plan
C203.9	Demolition and Erosion Control Notes
C203.10	Demolition and Erosion Control Details
C303.1	Paving Grading and Drainage Plan
C303.2	Paving Grading and Drainage Plan
C303.3	Paving Grading and Drainage Plan
C303.4	Paving Grading and Drainage Plan
C303.5	Paving Grading and Drainage Plan
C303.6	Paving Grading and Drainage Plan
C303.7	Paving Grading and Drainage Plan
C303.8	Paving Grading and Drainage Plan
C303.9	Paving Grading and Drainage Plan
C303.10	Paving Grading and Drainage Plan
C303.11	Paving Grading and Drainage Plan
C303.12	Paving Grading and Drainage Plan
C303.13	Paving Grading and Drainage Plan
C303.14	Paving Grading and Drainage Plan
C303.15	Paving Grading and Drainage Plan
C303.16	Paving Grading and Drainage Plan
C303.17	Paving Grading and Drainage Details
C303.18	Paving Grading and Drainage Details
C303.19	Paving Grading and Drainage Details
C403.1	Signing and Pavement Marking Plan
C403.2	Signing and Pavement Marking Plan
C403.3	Signing and Pavement Marking Plan
C403.4	Signing and Pavement Marking Plan
C403.5	Signing and Pavement Marking Plan
C403.6	Signing and Pavement Marking Plan
C403.7	Signing and Pavement Marking Plan
C403.8	Signing and Pavement Marking Plan

THE PUBLIC ROADWAY(S) INDICATED IN THESE PLANS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE "MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS & HIGHWAYS – STATE OF FLORIDA."

ATTENTION, THESE PLANS MAY HAVE REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE TAKEN INTO ACCOUNT WHEN OBTAINING SCALED DATA.



NORTH

PROJECT LOCATION

PROJECT
SAGA BAY DRAINAGE IMPROVEMENTS

PROJECT NUMBER
043145105

PROJECT LOCATION
CUTLER BAY, FLORIDA

PREPARED FOR:

Cutler Bay FLORIDA

PREPARED BY:

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

No.	REVISIONS	DATE	BY

DATE: MAY 2025

BID PLANS

Plotted By:Bezner, Eliana Sheet Set:SAGA BAY DRAINAGE IMPROVEMENTS Layout:C003.0 Cover Sheet August 05, 2025 12:27:51pm K:\fll_civil\043 jobs\043145105 saga bay drainage improvements\CAD\plansheets\C000.0 Cover Sheet.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Town of Cutler Bay | ITB No. 25-04
Saga Bay Drainage Improvements Project
Page 289 of 329

GENERAL NOTES

I. APPLICABLE CODES

A. GENERAL

1. ALL WORK FOR THIS PROJECT SHALL BE COMPLETED WITHIN AND FROM EXISTING RIGHT OF WAY.
2. COUNTY IN THESE NOTES REFERS TO THE MIAMI-DADE COUNTY. CITY OR TOWN IN THESE NOTES REFERS TO THE TOWN OF CUTLER BAY. STATE IN THESE NOTES REFERS TO THE STATE OF FLORIDA.
3. THE FDOT INDICES REFERRED TO IN THE DRAWINGS AND NOTES REFERS TO FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION AND FDOT DESIGN STANDARDS LATEST EDITION.
4. ALL WORK AND MATERIALS SHALL CONFORM TO THE LATEST STANDARDS, CODES, REGULATIONS AND SPECIFICATIONS OF THE TOWN, COUNTY, STATE, AND FEDERAL CODES WHERE APPLICABLE.
5. THE CONTRACTOR SHALL BE REQUIRED TO COMPLY WITH FEDERAL, STATE, COUNTY, AND CITY LAWS, CODES, ORDINANCES AND REGULATIONS.
6. IN THE EVENT OF A CONFLICT BETWEEN THE GENERAL NOTES AND CONSTRUCTION SPECIFICATIONS IN THESE PLANS AND THE CONTRACT DOCUMENTS AND SPECIFICATIONS IN THE SPECIFICATIONS BOOKLET THE CONTRACTOR SHALL SUBMIT WRITTEN REQUEST FOR CLARIFICATION TO THE ENGINEER.
7. ALL HANDICAP ACCESSIBLE ACCESS TO CONFORM WITH THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT AND LOCAL, STATE, AND FEDERAL CODES, LATEST EDITIONS.
8. THE CONTRACTOR IS REQUIRED TO OBTAIN ALL APPLICABLE CONSTRUCTION PERMITS PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR SHALL APPLY FOR AND PROCURE ALL PERMITS AND LICENSES, PAY ALL APPLICABLE CHARGES, TAXES, ROYALTIES & FEES, AND GIVE ALL NOTICES NECESSARY TO COMPLETE THIS PROJECT.
9. RADII DIMENSIONS AND ELEVATIONS ARE TO BE EDGE OF PAVEMENT AND FINISH GRADE UNLESS NOTED OTHERWISE.
10. IF ABANDONED GAS, WATER, AND SEWER SERVICE LATERALS ARE ENCOUNTERED DURING EXCAVATION, THE SECTION IN THE EXCAVATED ENVELOPE WILL BE REMOVED AND THE STUB ON THE SIDE CONNECTED TO THE MAIN WILL BE CAPPED, PLUGGED OR OTHERWISE SEALED.
11. CONTRACTOR TO MAINTAIN ACCESS TO BUSINESS AND RESIDENTIAL LOCATIONS BY NORMAL MEANS AND METHODS, I.E. TEMPORARY STEEL PLATES, LIMEROCK, ETC. ALL ASSOCIATED COST TO BE INCLUDED IN M.O.T. PAY ITEM.
12. ITEMS IN CONFLICT WITH DESIGN SUCH AS EXISTING CURBS AND GUTTERS, SIDEWALKS, DRAINAGE STRUCTURES PAVEMENT AND BASE AND EXCESS EXCAVATIONS ARE TO BE REMOVED BY CONTRACTOR AND DISPOSED OF IN A LEGAL AND PROPER MANNER AWAY FROM THE JOB SITE AT THE CONTRACTOR'S EXPENSE UNLESS THE ITEMS ARE TO BE REUSED ON THE PROJECT
13. EXCESS MATERIAL REMOVED BY THE CONTRACTOR WILL BE DISPOSED OF IN AREAS PROVIDED BY THE CONTRACTOR.
14. THE INFORMATION PROVIDED IN THESE PLANS IS TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF THE CONDITIONS WHICH MAY BE ENCOUNTERED DURING THE COURSE OF THE WORK. ALL CONTRACTORS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT ANY INVESTIGATIONS THEY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSIONS REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED AND UPON WHICH THEIR BIDS WILL BE BASED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INVESTIGATE SITE CONDITIONS OF THE PROJECT AND FULLY SATISFY THEMSELVES OF BOTH THE SURFACE AND SUBSURFACE CONDITIONS AND BASE THEIR PRICING ACCORDINGLY. GEOTECHNICAL REPORT IS INCLUDED IN THE CONTRACT DOCUMENTS.
15. CONTRACTOR SHALL PRESERVE ALL STREET SIGNS, BENCHES, TRAFFIC CONTROL SIGNS, LANDSCAPING, ETC. WHEN DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL REINSTALL OR DELIVER SAID PUBLIC PROPERTY TO THE CITY.
16. THE CONTRACTOR SHALL TAKE SPECIAL NOTE OF ANY SPECIAL EQUIPMENT SHORING, SHEETING OR OTHER PROCEDURES NECESSARY TO PROTECT ADJACENT PROPERTY, EITHER PUBLIC OR PRIVATE, DURING EXCAVATION OF SUBSOIL MATERIAL OR DURING THE FILLING OF ANY AREA, OR FOR ANY AREA, OR FOR ANY OPERATION DURING CONSTRUCTION SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
17. APPARENT ERRORS, DISCREPANCIES, OR OMISSIONS ON THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD IMMEDIATELY.
18. THE AMOUNT OF EACH OF THE MATERIALS PROVIDED IS THE ESTIMATED AMOUNT REQUIRED TO COMPLETE THE JOB. THESE QUANTITIES ARE ESTIMATED ONLY AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLETE THE JOB IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. SHOULD ADDITIONAL MATERIALS BE REQUIRED THEY WILL BE PAID FOR AT THE CONTRACT UNIT PRICES AS DESCRIBED IN THE BID DOCUMENTS.
19. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES THAT REMAIN IN PLACE.
20. ALL ROAD CROSSINGS ARE OPEN CUT UNLESS OTHERWISE NOTED ON THE DRAWINGS.
21. THE CONTRACTOR SHALL REPLACE ALL PAVING, STABILIZING EARTH, DRIVEWAYS, SIDEWALKS, ETC. WITH THE SAME TYPE OF MATERIAL THAT WAS REMOVED DURING CONSTRUCTION OF AS DIRECTED BY THE ENGINEER.
22. THE CONTRACTOR SHALL NOT ENCROACH INTO PRIVATE PROPERTY WITH PERSONNEL, MATERIAL OR EQUIPMENT WITHOUT OBTAINING WRITTEN PERMISSION FROM THE OWNER.
23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE, REMOVAL OR MODIFICATION ACCIDENTALLY OR PURPOSELY, CAUSED TO ANY IRRIGATION SYSTEMS, PRIVATE OR PUBLIC WITHIN THE PROJECT LIMITS. THE COSTS TO REPLACE, REMOVE OR MODIFY IRRIGATION PIPES, SPRINKLER HEADS OR OTHER PERTINENT APPURTENANCES SHALL BE CONSIDERED INCIDENTAL TO AND SHALL BE INCLUDED IN THE OTHER ITEMS OF RELATED WORK. ALL COSTS DUE TO DAMAGE SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
24. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE INTEGRITY OF AND MAKING THE REPAIRS OF EXISTING PAVEMENT, PIPES, CONDUITS, CURBS, CABLES, TREES, SOD, LANDSCAPE ITEMS, ETC. WHETHER OR NOT SHOWN ON THE PLANS DAMAGED AS A RESULT OF THE CONTRACTORS OPERATIONS AND/OR THOSE OF THEIR SUBCONTRACTORS. CONTRACTOR SHALL REPORT ANY DAMAGE TO SIDEWALK, DRIVEWAY, ETC., PRIOR TO BEGINNING WORK IN ANY AREA.
25. CONTRACTOR IS RESPONSIBLE TO REMOVE AND REINSTALL ALL BRICK OR PAVER DRIVEWAYS IMPACTED BY CONSTRUCTION, REPAIR OR REPLACE ALL ASPHALT, CONCRETE, OR STAMPED CONCRETE DRIVEWAYS IMPACTED BY CONSTRUCTION. ALL COSTS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED AS PART OF THE OVERALL BID.
26. THE CONTRACTOR SHALL RESTORE OR REPLACE, WHEN AND AS DIRECTED BY THE ENGINEER, ANY PUBLIC OR PRIVATE PROPERTY DAMAGED BY HIS/HER WORK, EQUIPMENT, EMPLOYEES OR THOSE OF HIS SUBCONTRACTORS TO A CONDITION AT LEAST EQUAL (DETERMINED BY THE ENGINEER OF RECORD) TO THAT EXISTING IMMEDIATELY PRIOR TO THE BEGINNING OF OPERATIONS.
27. CONTRACTOR SHALL ADJUST ALL EXISTING SURFACE FEATURES SUCH AS EXISTING FRAMES, GRATES, MANHOLE COVERS, UTILITY VALVE BOXES, MONITORING WELLS, ECT. TO MATCH PROPOSED GRADES.
28. ALL INSTALLATIONS WITHIN MIAMI-DADE COUNTY JURISDICTION RIGHTS OF WAY SHALL BE IN CONFORMITY WITH THE MIAMI-DADE COUNTY HIGHWAY CONSTRUCTION & ENGINEERING DIVISION "MINIMUM STANDARDS."
29. THE TOWN OF MIAMI LAKES SHALL RECEIVE A COPY OF ALL REQUIRED DENSITY REPORTS, AS-BUILTS, AND SHOP DRAWINGS OF THE PROJECT.

B. CONSTRUCTION SAFETY

1. ALL CONSTRUCTION SHALL BE DONE IN A SAFE MANNER SPECIFICALLY, THE RULES AND REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) SHALL BE STRICTLY OBSERVED.

C. TRENCH SAFETY ACT

1. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH THE STATE OF FLORIDA TRENCH SAFETY ACT.
2. WHERE EXCAVATIONS TO A DEPTH IN EXCESS OF FIVE FEET (5') ARE REQUIRED, THE CONTRACTOR SHALL INCLUDE THE FOLLOWING INFORMATION IN THE BID:
   - 2.1. A REFERENCE TO THE TRENCH SAFETY STANDARDS THAT WILL BE IN EFFECT DURING THE PERIOD OF CONSTRUCTION OF THE PROJECT.
   - 2.2. WRITTEN ASSURANCES BY THE CONTRACTOR PERFORMING THE TRENCH EXCAVATION THAT SUCH CONTRACTOR WILL COMPLY WITH THE APPLICABLE TRENCH SAFETY STANDARDS.
   - 2.3. A SEPARATE ITEM IDENTIFYING THE COST OF COMPLIANCE WITH THE APPLICABLE TRENCH SAFETY STANDARDS. WHEN A BID IS NOT SUBMITTED, THE CONTRACTOR SHALL SUBMIT THE INFORMATION LISTED IN ITEM 2 TO THE ENGINEER PRIOR TO STARTING WORK.

D. SURVEY DATA

1. ALL ELEVATIONS ON THE PLANS OR REFERENCED IN THE SPECIFICATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM (NGVD) OF 1929.
2. ALL EXISTING CONTROL POINTS AND/OR REFERENCE MARKERS SHALL BE RAISED TO FINAL GRADE. THESE POINTS AND REFERENCE MARKERS SHALL BE LOCATED AND NOTED ON THE AS-BUILTS.
3. THE LOCATION OF EXISTING RIGHT-OF-WAY LINES, CENTERLINES, ROADWAY PAVEMENT, UTILITIES, TREES AND OTHER PHYSICAL ABOVE-GROUND FEATURES SHOWN ON THE PLANS WERE TAKEN FROM THE SPECIFIC PURPOSE SURVEYS PREPARED BY:
   STONER
   4341 SW 62ND AVENUE
   DAVIE, FLORIDA 33314
   PHONE: 954-585-0997
   CONTACT: WALTER DE LA ROCHA, PSM
4. ALL STATIONS AND OFFSETS ARE REFERENCED TO BASELINE OF SURVEY/CONSTRUCTION BASELINE.
5. EXISTING SECTION CORNERS AND 1/4 SECTION CORNERS, AND OTHER LAND MARKERS OR MONUMENTS LOCATED WITHIN PROPOSED CONSTRUCTION ARE TO BE REFERENCED BY THE CONTRACTOR PRIOR TO CONSTRUCTION AND REPLACED IF DISTURBED BY THE CONTRACTOR'S SURVEY OR UNDER THE DIRECTION OF A REGISTERED LAND SURVEYOR LICENSED IN THE STATE OF FLORIDA.
6. ANY NGVD - 1929 MONUMENT WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF IN DANGER OF DAMAGE, NOTIFY:
   GEODETIC INFORMATION CENTER
   ATTN: MARK MAINTANENCE SECTION N/CG-162
   6001 EXECUTIVE BLVD.
   ROCKVILLE, MARYLAND 20852
   PHONE: 301-443-8319

II. PRECONSTRUCTION RESPONSIBILITIES

A. GENERAL

1. UPON RECEIPT OF THE "NOTICE TO PROCEED", THE CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD AND ARRANGE A PRE-CONSTRUCTION CONFERENCE TO INCLUDE ALL THE INVOLVED GOVERNMENTAL AGENCIES, UTILITY OWNERS, AND THE ENGINEER OF RECORD, AND HOLD THE MANDATORY PRE-CONSTRUCTION CONFERENCE AFTER ISSUANCE OF THE CONTRACT'S "NOTICE TO PROCEED" BUT BEFORE THE ACTUAL CONSTRUCTION DATE. CONTRACTOR MAY NOT BEGIN WORK BEFORE ACTUAL CONSTRUCTION DATE.
2. THE CONTRACTOR SHALL OBTAIN A SUNSHINE CERTIFICATION NUMBER AT LEAST 48 HOURS PRIOR TO BEGINNING ANY EXCAVATION.
3. PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL VERIFY THE SIZE, LOCATION ELEVATION, AND MATERIAL OF ALL EXISTING UTILITIES WITHIN THE AREA OF CONSTRUCTION.
4. EXISTING UTILITY LOCATION SHOWN ON THESE PLANS ARE APPROXIMATE. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF EXISTING UTILITIES SHOWN OR FOR ANY EXISTING UTILITIES NOT SHOWN.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ANY EXISTING UTILITIES FOR WHICH IT FAILS TO REQUEST LOCATIONS FROM THE UTILITY OWNER. THE CONTRACTOR IS RESPONSIBLE AS WELL FOR DAMAGE TO ANY EXISTING UTILITIES WHICH ARE PROPERLY LOCATED. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING IRRIGATION AT NO COST TO THE TOWN OF MIAMI LAKES.
6. IF UPON EXCAVATION, AN EXISTING UTILITY IS FOUND TO BE IN CONFLICT WITH THE PROPOSED CONSTRUCTION OR TO BE OF A SIZE OR MATERIAL DIFFERENT FROM THAT SHOWN ON THE PLANS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER.
7. EXISTING UTILITIES SHALL BE MAINTAINED IN SERVICE DURING CONSTRUCTION UNLESS OTHERWISE APPROVED BY THE UTILITY OWNER.
8. THE CONTRACTOR SHALL COORDINATE WITH UTILITIES TO ARRANGE RELOCATION AND TEMPORARY SUPPORT OF UTILITY FEATURE ETC. AS NECESSARY TO COMPLETE THE WORK.
9. THE UTILITY COMPANIES SHALL BE NOTIFIED BY THE CONTRACTOR TWO (2) BUSINESS DAYS IN ADVANCE OF ANY EXCAVATION INVOLVING THEIR UTILITIES SO THAT A COMPANY REPRESENTATIVE CAN BE PRESENT.
10. THE CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD TRANSMISSION LINES OR UNDERGROUND UTILITIES.
11. SHOULD DEWATERING BE NEEDED, CONTRACTOR TO INCLUDE IN BID. ALL APPLICABLE DEWATERING APPROVALS ARE TO BE OBTAINED.
    CONTRACTOR TO INCLUDE FABRICATION, INSTALLATION, MAINTENANCE AND REMOVAL OF TWO (2) PROJECT SIGNS. SIGN LETTERING AND PLACEMENT TO BE REVIEWED BY TOWN PRIOR TO PLACEMENT.
12. STAGING AND STORAGE TO BE COORDINATED WITH TOWN PRIOR TO COMMENCEMENT OF CONSTRUCTION.

III. INSPECTIONS

A. GENERAL

1. THE CONTRACTOR SHALL GIVE THE ENGINEER OF RECORD A MINIMUM OF TWO (2) BUSINESS DAYS ADVANCE NOTICE PRIOR TO BACKFILLING OR COMPLETING THE INSPECTION OF THE FOLLOWING ITEMS SO THE ENGINEER OF RECORD CAN PERFORM FIELD OBSERVATIONS OF THE FOLLOWING ITEMS:
   - 1.1. STORM DRAINAGE
   - 1.2. SUBGRADE; SUBMIT AND HAVE APPROVED DENSITIES PRIOR TO PLACEMENT OF ROCK
   - 1.3. LIMEROCK BASE; SUBMIT AND HAVE APPROVED DENSITIES AND AS-BUILTS PRIOR TO THE
   - 1.4. PLACEMENT OF ANY ASPHALT.
   - 1.5. ASPHALTIC CONCRETE
   - 1.6. FINAL
2. ALL INSPECTIONS WILL BE MADE BY THE TOWN OF MIAMI LAKES (PLUMBING AND ELECTRICAL). THE ENGINEER OF RECORD WILL PROVIDE CONSTRUCTION OBSERVATION SERVICE.
3. IF THE CONTRACTOR FAILS TO NOTIFY THE ENGINEER OF RECORD PRIOR TO COMPLETING THE ABOVE, THE ENGINEER RESERVES THE RIGHT NOT TO ISSUE ANY CERTIFICATIONS OR FINAL INSPECTIONS.

IV. SHOP DRAWINGS

A. GENERAL

1. PRIOR TO THEIR CONSTRUCTION OR INSTALLATION, SHOP DRAWINGS SHALL BE SUBMITTED TO AND REVIEWED BY THE ENGINEER OF RECORD FOR SANITARY MANHOLES, CATCH BASINS, FIRE HYDRANTS, VALVES AND OTHER ACCESSORIES. CATALOGUE LITERATURE SHALL BE SUBMITTED FOR WATER AND SEWER PIPES, FITTINGS, AND APPURTENANCES. PRIOR TO SUBMITTING SHOP DRAWINGS TO THE ENGINEER, THE CONTRACTOR SHALL REVIEW AND APPROVE THE DRAWINGS, AND SHALL NOTE IN RED ANY DEVIATIONS FROM THE ENGINEER'S PLANS OR SPECIFICATIONS. INDIVIDUAL SHOP DRAWINGS FOR ALL PRECAST STRUCTURES ARE REQUIRED. CATALOGUE LITERATURE WILL NOT BE ACCEPTABLE FOR PRECAST STRUCTURES.

V. TEMPORARY FACILITIES

A. TEMPORARY UTILITIES

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE OR SUPPLY TEMPORARY WATER SERVICE, SANITARY FACILITIES, AND ELECTRICITY TO ITS EMPLOYEES AND SUBCONTRACTORS FOR THEIR USE DURING CONSTRUCTION.

B. TRAFFIC REGULATION

1. MAINTENANCE OF TRAFFIC IN THE PUBLIC RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE MUTCD. A MAINTENANCE OF TRAFFIC PLAN MUST BE APPROVED BY THE GOVERNMENTAL ENGINEERING DIVISION HAVING JURISDICTION FOR THE SECTION OF ROADWAY BEFORE STARTING WORK IN THE PUBLIC RIGHT-OF-WAY.
2. ALL OPEN TRENCHES AND HOLES ADJACENT TO ROADWAYS OR WALKWAYS SHALL BE PROPERLY MARKED AND BARRICADED TO ASSURE THE SAFETY OF BOTH VEHICULAR AND PEDESTRIAN TRAFFIC.
3. NO TRENCHES OR HOLES NEAR WALKWAYS OR IN ROADWAYS OR THEIR SHOULDERS ARE TO BE LEFT OPEN DURING NIGHTTIME HOURS WITHOUT EXPRESS PERMISSION OF THE TOWN.

C. TEMPORARY FACILITIES

1. THE CONTRACTORS ON-SITE EQUIPMENT, STOCK PILED MATERIAL, AND SUPPLIES SHALL BE KEPT IN A SECURE, FENCED AND LOCKED LOCATION WHEN CONTRACTOR IS NOT SUPERVISING THE STAGING OR LAY DOWN AREA.
2. STAGING AND MATERIAL STORAGE SHALL NOT BE CONDUCTED ON ABUTTING PRIVATE PROPERTY OR PUBLIC RIGHT-OF-WAY WITHOUT APPROVAL FROM THE TOWN OF MIAMI LAKES.
3. CONTRACTOR SHALL CONSTRUCT AND MAINTAIN TEMPORARY STREET LIGHTING AS REQUIRED TO LIGHT THE CONSTRUCTION PROJECT LIMITS AT ALL TIMES TO AT LEAST THE SAME LIGHTING INTENSITY LEVELS AS WAS EXISTING PRIOR TO THE START OF CONSTRUCTION. ALL COSTS ASSOCIATED WITH THE CONSTRUCTION AND MAINTAINING LIGHTING TO BE INCLUDED IN M.O.T. PAY ITEM.
4. THE CONTRACTOR SHALL COORDINATE SELECTION AND REVIEW OF ANY PROPOSED STAGING AREAS ASSOCIATED WITH THIS PROJECT WITH THE TOWN OF MIAMI LAKES.

VI. EARTHWORK

A. GENERAL

1. NONE OF THE EXISTING MATERIAL IS TO BE INCORPORATED IN THE LIMEROCK BASE.
2. ALL SUB-GRADE UNDER PAVED AREAS SHALL BE 12" THICK AND HAVE A MINIMUM LBR VALUE OF 40. AND SHALL BE COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180.
3. ALL FILL MATERIAL IN AREAS NOT TO BE PAVED SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY AS DETERMINED BY ASSHTO T-180.
4. A 2" BLANKET OF TOP SOIL SHALL BE PLACED OVER ALL AREAS TO BE SODDED.
5. SOD SHALL BE ST. AUGUSTINE, BITTER BLUE OR FLORATAM AND SHALL BE PLACED ON THE GRADED TOP SOIL AND WATERED TO INSURE SATISFACTORY CONDITION UPON FINAL ACCEPTANCE OF THE PROJECT.
6. WHEN WORKING IN AND AROUND EXISTING DRAINAGE CANALS OR LAKES, APPROPRIATE SILT BARRIERS SHALL BE INSTALLED.
7. ALL ORGANIC AND OTHER UNSUITABLE MATERIAL UNDER THOSE AREAS TO BE PAVED SHALL BE REMOVED TO A DEPTH OF THREE(3) FEET BELOW FINISHED GRADE AND FOR THREE(3) FEET BEYOND THE PERIMETER OF THE PAVING.
8. SUITABLE BACKFILL SHALL BE MINIMUM LBR 40 MATERIAL COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY ASSHTO T-180 THREE (3) FEET BEYOND THE PERIMETER OF PAVING.
9. CONTRACTOR SHALL TIE TO EXISTING GRADE BY EVENLY SLOPING FROM CLOSEST PROPOSED GRADE PROVIDED TO EXISTING GRADE AT LIMITS OF WORK UNLESS OTHERWISE NOTED ON PLANS. IF NO LIMIT OF WORK IS INDICATED, SLOPE TO THE ADJACENT PROPERTY LINE OR RIGHT-OF-WAY LINE AS APPLICABLE.
10. SITE GRADING ELEVATIONS SHALL BE WITHIN 0.1 OF THE REQUIRED ELEVATION AS SHOWN ON THE PLANS AND ALL AREAS SHALL BE GRADED TO DRAIN WITHOUT PONDING.
11. GROUND ADJACENT TO ROADWAY/PAVEMENT WHERE STORMWATER RUNOFF FLOWS FROM PAVEMENT TO GROUND SHALL BE GRADED TWO (2) INCHES LOWER THAN THE EDGE OF PAVEMENT TO ALLOW FOR THE PLACEMENT OF SOD.
12. WHEN ENCOUNTERED WITHIN PROPOSED DRAINAGE SWALES, HARDPAN SHALL BE REMOVED FOR A WIDTH OF FIVE (5) FEET AT THE INVERT AND REPLACED WITH GRANULAR MATERIALS.
13. ALL AREAS TO BE CONSTRUCTED UPON WITH STRUCTURES, PAVEMENT, DRAINAGE, WATER, SEWER, CURBING, SIDEWALK, FENCING, ETC., SHALL BE CLEARED AND GRUBBED PRIOR TO CONSTRUCTION. THIS SHALL CONSIST OF THE COMPLETE REMOVAL OF AND DISPOSAL OF ALL TREES, BRUSH, STUMPS, ROOTS, GRASS, WEEDS, RUBBISH, AND ALL OTHER OBSTRUCTIONS RESTING ON OR PROTRUDING THROUGH THE SURFACE OF THE EXISTING GROUND TO A DEPTH OF 6 INCHES. ITEMS DESIGNATED TO OPERATION. ALL WORK SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS.
14. ALL PROPOSED GRADES SHOWN IN PLAN ARE FINISHED GRADES.

VII. PAVING

A. GENERAL

1. ALL UNDERGROUND UTILITIES SHALL BE COMPLETED PRIOR TO THE CONSTRUCTION OF THE LIMEROCK BASE AND PRIOR TO THE PLACEMENT OF THE PAVEMENT. ALL REPAIRS TO EXISTING PAVEMENT SHALL RECEIVE SAW-CUT EDGES PRIOR TO RELAYING ASPHALT. ALL EXISTING PAVEMENT, LIMEROCK AND SUB-GRADE THAT IS AFFECTED AND NOT PART OF THE CONSTRUCTION PROJECT SHALL BE PROPERLY RESTORED AT THE CONTRACTOR'S EXPENSE.

B. MATERIALS

1. LIMEROCK BASE MATERIAL SHALL HAVE A MINIMUM OF 70% CARBONATES (CALCIUM AND MAGNESIUM) WITH A MINIMUM LBR OF 100.
2. PRIME COAT SHALL BE APPLIED AT THE RATE OF 0.25 GAL/YD SQ. AND TACK COAT SHALL MEET FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARDS.
3. SURFACE COURSE SHALL BE EQUAL TO FDOT TYPE SP 9.5 & FC 9.5 ASPHALTIC CONCRETE.

C. INSTALLATION

1. LIMEROCK BASE MATERIAL SHALL BE 12" THICK AND COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180.
2. LIMEROCK BASE MATERIAL SHALL BE PLACED IN MAXIMUM 8" LIFTS. BASES GREATER THAN 8" OF LIMEROCK SHALL BE PLACED IN TWO OR MORE EQUAL LIFTS. LIMEROCK BASE SHALL BE COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180.
3. ASPHALTIC CONCRETE SHALL BE 1" FDOT TYPE SP-9.5 (BOTTOM) AND 1"(MIN.) FC-9.5 TOP LIFT MATCHING EXISTING GRADED AT LIMIT OF SAWCUT.
4. PRIME COAT SHALL BE PLACED ON ALL LIMEROCK BASES IN ACCORDANCE WITH FDOT STANDARDS.
5. TACK COAT SHALL BE PLACED AS REQUIRED IN ACCORDANCE WITH FDOT STANDARDS.
6. CARBONATES CONTENT MINIMUM 70% AND LBR MINIMUM OF 100.
7. BASE COURSE CONSTRUCTION SHALL NOT BE STARTED UNTIL ALL UNDERGROUND CONSTRUCTION IN THE VICINITY HAS BEEN TESTED AND ACCEPTED.
8. WEARING COURSES SHALL NOT BE PLACED UNTIL:
   - 8.1. A WALK THROUGH HAS BEEN CONDUCTED TO DETERMINE IF THERE IS ANY REMAINING WORK THAT MIGHT CAUSE DAMAGE TO THE FINAL LIFT.
   - 8.2. ALL LANDSCAPING WORK THAT MIGHT CAUSE DAMAGE TO THE FINAL LIFT IS COMPLETE.
   - 8.3. ALL UNDERGROUND UTILITIES ARE INSTALLED AND ACCEPTED AND A FINISHED ROCK SURVEY HAS BEEN SUBMITTED TO AND ACCEPTED BY THE HIGHWAY CONSTRUCTION & ENGINEERING DIVISION.

D. TESTING

1. ALL SUB-GRADE, LIMEROCK AND ASPHALT TESTS REQUIRED SHALL BE TAKEN AT THE DIRECTION OF THE ENGINEER AND PER THE TOWN OF MIAMI LAKES REQUIREMENTS.
2. DENSITY TESTS SHALL BE CONDUCTED EVERY 100 FEET AND TWO FEET AWAY FROM ANY MANHOLE OR DRAINAGE STRUCTURE INSTALLED IN PAVED AREAS.

VIII SIGNING AND MARKING

1. ALL PAVEMENT MARKING AND SIGNING SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), MIAMI-DADE COUNTY TRAFFIC ENGINEERING DIVISION, FDOT, AND TOWN OF MIAMI LAKES STANDARDS.
2. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. CONTRACTOR SHALL PAINT MARKINGS THEN AFTER 14 DAY CURING PERIOD PLACE THERMOPLASTIC PAVEMENT MARKINGS.
3. ONE BI-DIRECTIONAL YELLOW REFLECTIVE PAVEMENT MARKER SHALL BE PROVIDED AT 40' INTERVALS ON EACH SIDE OF DOUBLE YELLOW STRIPES.
4. BI-DIRECTIONAL AMBER/AMBER REFLECTIVE PAVEMENT MARKERS SHALL BE PROVIDED AT 1' INTERVALS AT ALL BULLNOSES.
5. BI-DIRECTIONAL WHITE/RED REFLECTIVE PAVEMENT MARKERS SHALL BE PROVIDED AT 20' INTERVALS ALONG SOLID WHITE LINES (NOT ON EDGE OF PAVEMENT OR BIKE LANE LINES).
6. REFLECTIVE PAVEMENT MARKERS SHALL BE CLASS B MARKERS MANUFACTURED IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS 706 AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDED PROCEDURES.
7. ALL SIGNING SHALL BE FABRICATED USING TYPE XI SHEETING, AS PER MIAMI-DADE COUNTY TRAFFIC ENGINEERING DIVISION STANDARDS (CURRENT EDITION).
8. ALL PAVEMENT MARKINGS AND SIGNING DAMAGED DURING CONSTRUCTION. SHALL BE RESTORED TO MIAMI-DADE COUNTY TRAFFIC ENGINEERING DIVISION.
9. EXISTING MARKINGS SHALL BE REMOVED BY WATER BLASTING ONLY.
10. SEE SIGNING AND MARKING DETAILS FOR ADDITIONAL INFORMATION.
11. ALL EXISTING SIGNALIZATION EQUIPMENT TO REMAIN IS ASSUMED TO BE IN GOOD WORKING ORDER UNLESS CITY IS NOTIFIED IN WRITING PRIOR TO START OF CONSTRUCTION. ANY SUBSEQUENT DAMAGE TO THE SIGNAL EQUIPMENT SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.

IX PROJECT CLOSEOUT

A. CLEANING UP

1. DURING CONSTRUCTION, THE PROJECT SITE AND ALL ADJACENT AREAS SHALL BE MAINTAINED IN A NEAT AND CLEAN MANNER. UPON FINAL CLEAN UP, THE PROJECT SITE SHALL BE LEFT CLEAR OF ALL SURPLUS MATERIAL OR TRASH, THE PAVED AREAS SHALL BE SWEPT BROOM CLEAN.
2. THE CONTRACTOR SHALL RESTORE OR REPLACE, WHEN AND AS DIRECTED BY THE ENGINEER OR THOSE OF ITS SUBCONTRACTORS TO A CONDITION AT LEAST EQUAL OR BETTER TO THE EXISTING CONDITION IMMEDIATELY PRIOR TO THE BEGINNING OF OPERATIONS. TO THIS END, THE CONTRACTOR SHALL DO ALL NECESSARY HIGHWAY OR DRIVEWAY, WALK AND LANDSCAPING WORK, SUITABLE MATERIALS AND METHODS SHALL BE USED FOR SUCH RESTORATION.
3. WHERE MATERIAL OR DEBRIS HAS WASHED OR FLOWED INTO OR BEEN PLACED IN WATER COURSES, DITCHES, DRAINS, CATCH BASINS, OR ELSEWHERE AS A RESULT OF THE CONTRACTOR'S OPERATIONS, SUCH MATERIAL OR DEBRIS SHALL BE REMOVED AND SATISFACTORILY DISPOSED OF DURING PROGRESS OF THE WORK, AND THE AREA KEPT IN A CLEAN AND NEAT CONDITION.
4. UPON COMPLETION OF THE PROPOSED DRAINAGE WORK, THE CONTRACTOR SHALL CLEAN THE NEW SYSTEM, REMOVE ALL POLLUTION CONTROL DEVICES FROM THE NEW AND EXISTING SYSTEM, AND CLEAN THE EXISTING STRUCTURES AND DRAINAGE SYSTEM AT NO ADDITIONAL COST TO THE OWNER.
5. THE CONTRACTOR IS RESPONSIBLE FOR CLEANING OF ALL OF THE EXISTING DRAINAGE SYSTEM AFFECTED BY THE CONSTRUCTION WITHIN THE RIGHT-OF-WAY UPON COMPLETION OF THE PROJECT.

B. PROJECT RECORD DOCUMENTS

1. THE CONTRACTOR SHALL MAINTAIN ACCURATE AND COMPLETE RECORDS OF WORK ITEMS COMPLETED.
2. PRIOR TO THE PLACEMENT OF ANY ASPHALT OR CONCRETE PAVEMENT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER "AS-BUILT" PLANS (SIGNED AND SEALED BY A FLORIDA CERTIFIED PROFESSIONAL LAND SURVEYOR) SHOWING LIMEROCK BASE GRADES, ALL DRAINAGE AND WATER IMPROVEMENTS. PAVING OPERATIONS SHALL NOT COMMENCE UNTIL THE ENGINEER HAS REVIEWED THE "AS-BUILTS."
3. ALL REQUIRED DENSITY AND LBR TEST RESULTS FOR SUB-GRADE SHALL BE PROVIDED TO THE ENGINEER PRIOR TO PLACING BASE MATERIAL.
4. ALL REQUIRED DENSITY AND LBR TEST RESULTS FOR LIMEROCK SHALL BE PROVIDED TO THE ENGINEER PRIOR TO PLACING ASPHALT.
5. ALL "AS-BUILT" INFORMATION SUBMITTED TO THE ENGINEER SHALL BE SUFFICIENTLY ACCURATE, CLEAR AND LEGIBLE TO SATISFY THE ENGINEER THAT THE INFORMATION PROVIDES A TRUE REPRESENTATION OF THE IMPROVEMENTS CONSTRUCTED.
6. UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER OF RECORD COMPLETE SETS OF "AS-BUILT" CONSTRUCTION DRAWINGS (SIGNED AND SEALED BY A FLORIDA CERTIFIED PROFESSIONAL LAND SURVEYOR) AS REQUIRED FOR SUBMITTAL AND APPROVAL. THESE DRAWINGS SHALL BE MARKED TO SHOW "AS-BUILT" CONSTRUCTION CHANGES AND DIMENSIONED LOCATIONS AND ELEVATIONS OF ALL IMPROVEMENTS AND SHALL BE SIGNED AND SEALED BY A REGISTERED LAND SURVEYOR.
7. ALL "AS-BUILT" INFORMATION ON ELEVATIONS OF WATER, SEWER, PAVING, AND DRAINAGE SHALL BE CERTIFIED BY A REGISTERED LAND SURVEYOR.
8. AS-BUILT INFORMATION ON THE WATER SYSTEM SHALL INCLUDE LOCATIONS OF ALL VALVES, FITTINGS, FIRE HYDRANTS, WATER SERVICES AND TOP OF PIPE ELEVATIONS AT ALL FITTINGS AND AT A MINIMUM OF 100' SPACING.
9. THE COST OF SIGNED AND SEALED AS-BUILTS AND CADD FILES SHALL BE INCLUDED IN THE COST OF THE OVERALL BID.

KNOW WHAT'S BELOW
ALWAYS CALL 811
BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER

KHA PROJECT 043145105
DATE MAY 2025
SCALE AS SHOWN
DESIGNED BY TS
DRAWN BY DM
CHECKED BY SV

GENERAL NOTES

SAGA BAY DRAINAGE IMPROVEMENTS-EAST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C003.1

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By:Beziner, Eliana Sheet Set:SAGA BAY DRAINAGE IMPROVEMENTS Layout:C003.1 General Notes August 05, 2025 12:27:58pm K:\ftl_civil\043 jobs\043145105 saga bay drainage improvements\CAD\plansheets\C100.2 GENERAL NOTES.dwg

GENERAL NOTES

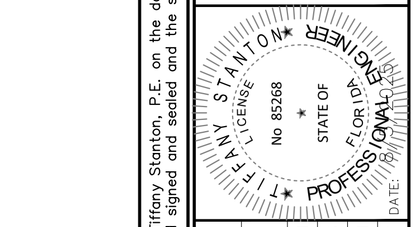
X. MAINTENANCE OF TRAFFIC

1. TRAFFIC CONTROLS SHALL BE IN ACCORDANCE WITH THE PROJECT TRAFFIC PLANS, THE CURRENT EDITION OF THE FDOT STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION. THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AS MINIMUM CRITERIA.
2. THE CONTRACTOR SHALL IMMEDIATELY REPAIR ALL POTHOLES THAT DEVELOP WITHIN PROJECT LIMITS AND WILL MAINTAIN A SUPPLY OF COLD MIX ON THE PROJECT SITE TO EXPEDITE THOSE REPAIRS. ALL COSTS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED AS PART OF THE OVERALL BID.
3. REQUEST FOR PROPOSED LANE CLOSURES OR TEMPORARY DETOURS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL TO ROADWAY'S MAINTAINING AGENCY TO CLOSURE OR DETAIL.
4. ALL LANES NEEDS SHALL REMAIN OPEN DURING NON WORKING HOURS.
5. THE TRAFFIC AND TRAVEL WAYS SHALL NOT BE ALTERED BY THE CONTRACTOR TO CREATE A WORK ZONE UNTIL ALL LABOR AND MATERIAL ARE AVAILABLE FOR THE CONSTRUCTION IN THAT AREA.
6. THE CONTRACTOR SHALL REMOVE ANY EXISTING OR PROPOSED PAVEMENT MARKINGS THAT CONFLICT WITH THE TRAFFIC CONTROL. WHEN THE CONFLICT NO LONGER EXISTS THE CONTRACTOR SHALL RESTORE PAVEMENT MARKINGS TO THEIR ORIGINAL POSITION. REMOVAL OF EXISTING AND/OR TEMPORARY PAVEMENT MARKINGS SHALL BE ACCOMPLISHED BY FOLLOWING METHODS: BY MILLING AND ASPHALT OVERLAY, BY GRINDING AND ASPHALT OVERLAY, SAND OR WATER BLASTING, OR BY OTHER MEANS APPROVED BY THE ENGINEER. GRINDING (WITHOUT ASPHALT OVERLAY) SHALL ONLY BE PERMITTED IN NON-TRAFFIC AREAS AS DESIGNATED BY THE ENGINEER, ALL COSTS OF PAVEMENT MARKING REMOVAL, INCLUDING THE COST OF ASPHALT OVERLAY REQUIRED WHEN MILLING OR GRINDING IS USED IN TRAFFIC AREAS, SHALL BE INCLUDED. USE OF BLACK PAINT TO COVER EXISTING AND/OR TEMPORARY PAVEMENT MARKINGS IS PROHIBITED.
7. CONTRACTOR SHALL REMOVE OR COVER ANY EXISTING OR PROPOSED SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL. WHEN THE CONFLICT NO LONGER EXISTS, CONTRACTOR SHALL RESTORE THE SIGNS TO THEIR ORIGINAL POSITION, COST TO BE INCLUDED IN THE BID.
8. ALL EXISTING STREET NAMES AND STOP SIGNS AFFECTED BY CONSTRUCTION SHALL BE RELOCATED TO AND MAINTAINED IN A VISIBLE LOCATION FOR THE DURATION OF THE PROJECT. WHEN NO LONGER AFFECTED BY CONSTRUCTION THEY SHALL BE RESTORED TO THEIR FINAL POSITION. COST TO BE INCLUDED IN BID.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMMEDIATE REMOVAL OF STORMWATER FROM ROADWAYS UTILIZED FOR TRAFFIC MAINTENANCE IN A MANNER APPROVED BY THE ENGINEER. COST TO BE INCLUDED IN BID.
10. AT THE END OF EACH WORK PERIOD, ANY DROP-OFF IN THE AREA ADJACENT TO THE TRAVEL WAY SHALL BE BACKFILLED IN ACCORDANCE WITH STANDARD INDEX 102-600 OR SHALL BE OTHERWISE PROTECTED WITH TEMPORARY BARRIER AT THE CONTRACTOR'S EXPENSE.
11. CONTRACTOR SHALL NOTIFY MIAMI-DADE COUNTY TRAFFIC ENGINEERING DIVISION 48 HOURS PRIOR TO ANY MODIFICATION AND/OR CHANGES OF AN EXISTING TRAFFIC SIGNAL (E.G TAKING THE SIGNALS OFF-LINE, REMOVING OR REPLACING LOOP ASSEMBLIES OR REARRANGING TRAFFIC SIGNAL HEADS). THE CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR THE NORMAL MAINTENANCE OF THE EXISTING TRAFFIC SIGNAL(S) WITHIN THE PROJECT LIMITS. COST OF REARRANGING TRAFFIC SIGNAL HEADS AND MAINTAINING TRAFFIC SIGNALS TO BE INCLUDED IN THE BID.
12. CONTRACTOR TO MAINTAIN ACCESS TO RESIDENCES AND BUSINESSES ALONG THE PROJECT. CONTRACTOR IS TO SUBMIT A PROPOSED METHOD OF MAINTAINING ACCESS TO THESE PROPERTIES TO ENGINEER FOR REVIEW PRIOR TO INSTALLATION. ALL COSTS WITH MAINTAINING ACCESS TO BE INCLUDED IN THE BID.
13. M.O.T TRANSITIONS AND TEMPORARY INTERSECTION CROSSOVERS WHERE CONSTRUCTION HAS CAUSED GRADE DIFFERENCES BETWEEN THE EXISTING AND NEW ROADWAYS SHALL BE CONSTRUCTED USING 1:20 SLOPE TO ACCOMMODATE VEHICULAR TRAFFIC FROM ANY DIRECTION. WORK SHALL BE DONE WITH ASPHALTIC CONCRETE TYPE "S" AND SHALL INCLUDE ASPHALT SLOPE REMOVAL WHEN NO LONGER NEEDED. ALL COST WITH MAINTAINING CROSSOVER SLOPE GRADE AND REMOVAL TO BE INCLUDED IN THE BID.
14. CONTRACTOR SHALL MAINTAIN A CONTINUOUS PEDESTRIAN WAY ON ONE SIDE OF THE ROADWAY AT ALL TIMES. PEDESTRIAN WAY SHALL HAVE SMOOTH SURFACE AND BE GRADED ON CONFORMANCE WITH THE AMERICAN WITH DISABILITIES ACT (ADA) REQUIREMENTS. ALL COSTS TO BE INCLUDED IN THE BID.
15. AT THE END OF EACH WORK DAY OR WHENEVER THE WORK ZONE BECOMES INACTIVE, ANY DROP-OFF ADJACENT TO THE PEDESTRIAN, BICYCLE OR WHEELCHAIR TRAVEL PATHS SHALL BE BACKFILLED FLUSH THE TRAVEL PATH OR SHALL BE PROTECTED WITH BARRICADES, TEMPORARY BARRIER WALL, OR APPROVED HANDRAIL COST TO BE INCLUDED IN THE BID.
16. PEDESTRIAN, BICYCLE AND WHEELCHAIR TRAFFIC SHALL BE GUIDED AND MAINTAINED USING APPROVED WARNING LIGHTS, SIGNING AND CHANNELIZATION DEVICES. SUCH CONTROL DEVICES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH FDOT SPECIFICATIONS AND MUTCD SECTIONS ON WORK ZONE TRAFFIC CONTROL. COST TO BE INSTALLED IN THE BID.
17. IF THERE ARE UNEVEN PAVEMENT SURFACES DURING CONSTRUCTION, THE VERTICAL "DROP OFF" DIFFERENCE SHALL NOT BE MORE THAN 3 INCHES IN HEIGHT BETWEEN THE ADJACENT SURFACES.
18. CONTRACTOR SHALL MAINTAIN ACCESS TO RESIDENCES AND BUSINESSES FOR GARBAGE/SANITATION PICK-UP ALONG THE PROJECT. ALL COSTS WITH MAINTAINING ACCESS TO BE INCLUDED IN THE BID.
19. CONTRACTOR SHALL MAINTAIN CURRENT LEVELS OF ROADWAY LIGHTING WITHIN THE PROJECT LIMITS AT ALL TIMES THROUGHOUT THE DURATION OF THE PROJECT. ALL COSTS WITH MAINTAINING LIGHTING TO BE INCLUDED IN THE BID.

Plotted By:Rainier, Flinn Sheet Set:SAGA BAY DRAINAGE IMPROVEMENTS Layout:C003.2 General Notes August 05, 2025 12:27:48pm K:\MIA_civil\043 Johns\04345105 saga bay drainage improvements\CAD\plansheets\C100-2 GENERAL NOTES.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106



This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

KHA PROJECT	
043145105	
DATE	
MAY 2025	
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

SAGA BAY DRAINAGE IMPROVEMENTS-EAST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

GENERAL NOTES

SHEET NUMBER
C003.2

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

Plotted By: Beziner, Eliana Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C103.0 Key Map August 05, 2025 12:28:15pm K:\ftl_civil\043 jobs\043145105 saga bay drainage improvements\CAD\plansheets\C101.0 Key Map.dwg

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

811 KNOW WHAT'S BELOW CALL BEFORE YOU DIG
www.callsunshine.com

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

SHEET NUMBER
C103.0

SAGA BAY DRAINAGE IMPROVEMENTS-EAST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

KEY MAP

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

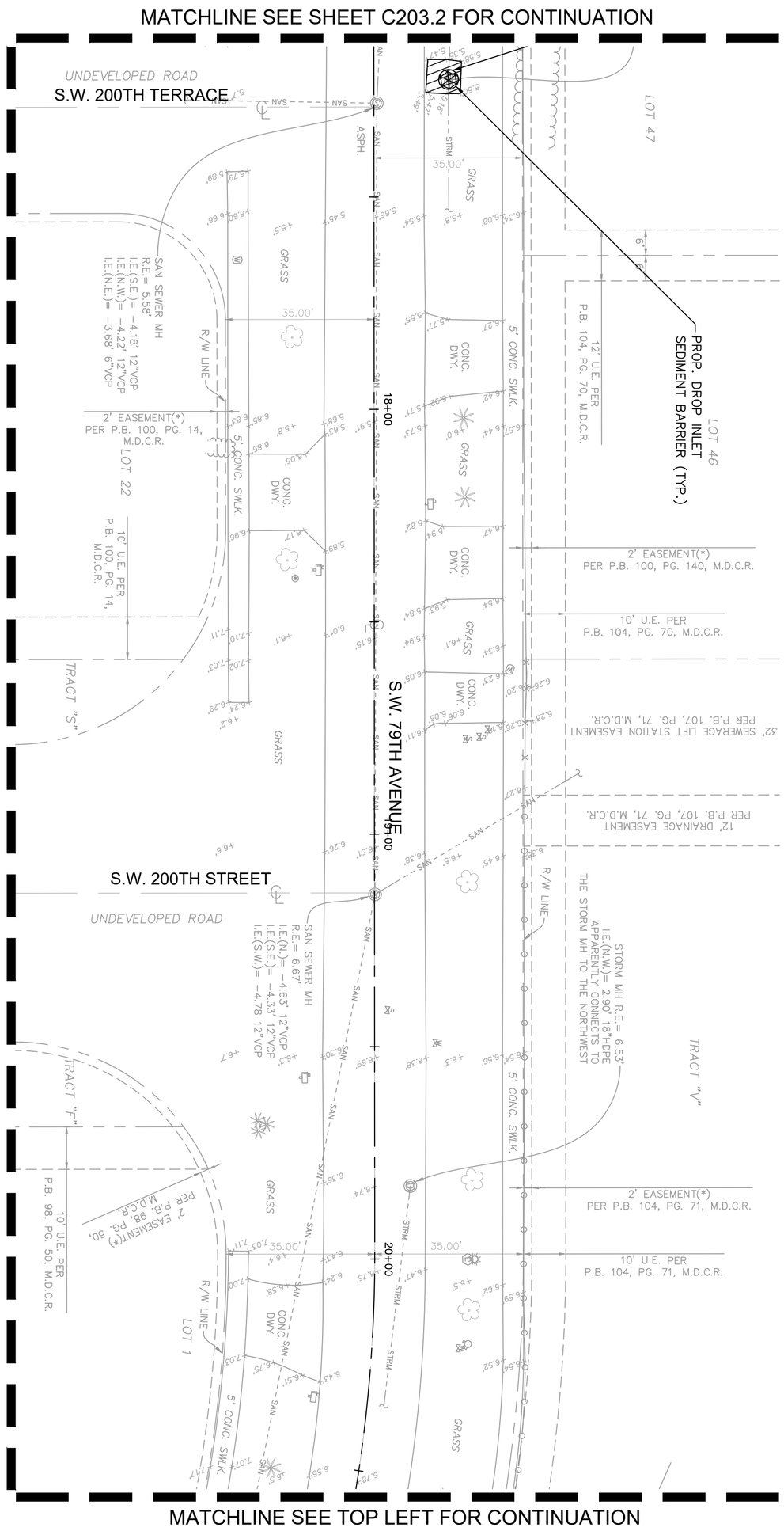
TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: 8/5/2025

Kimley»Horn

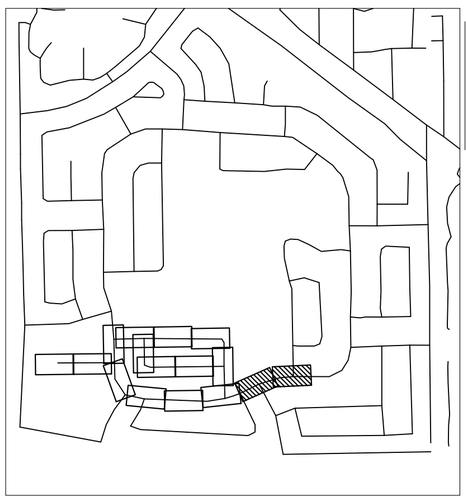
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

No.	REVISIONS	DATE	BY

Plotted By: Beziner, Eliana Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C203.1 Demolition and Erosion Control Plan August 05, 2025 12:28:30pm K:\ftl_civil\043 jobs\043145105 saga bay drainage improvements\CAD\plansheets\C200.1 Demolition and Erosion Control Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- PROPOSED SILT FENCE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING LIGHTPOLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROPOSED INLET SEDIMENT BARRIER
- EXISTING TO BE REMOVED

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
3. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
4. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
5. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
6. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
7. ALL EXISTING SIGNS IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
8. ALL TREES ARE TO BE PROTECTED AT ALL TIMES DURING CONSTRUCTION

811 KNOW WHAT'S BELOW CALL BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

SHEET NUMBER C203.1

SAGA BAY DRAINAGE IMPROVEMENTS-EAST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

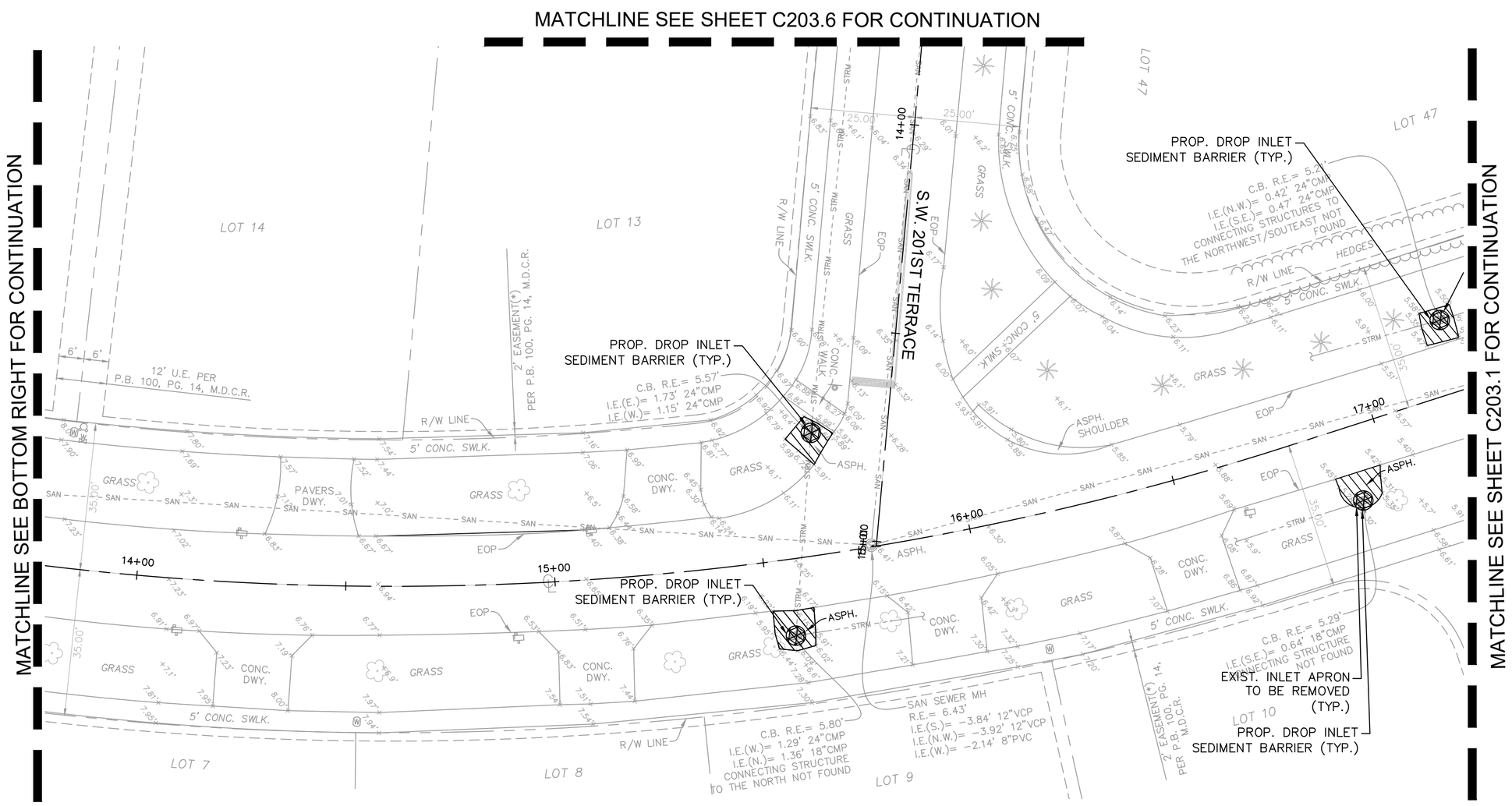
DEMOLITION AND EROSION CONTROL PLAN

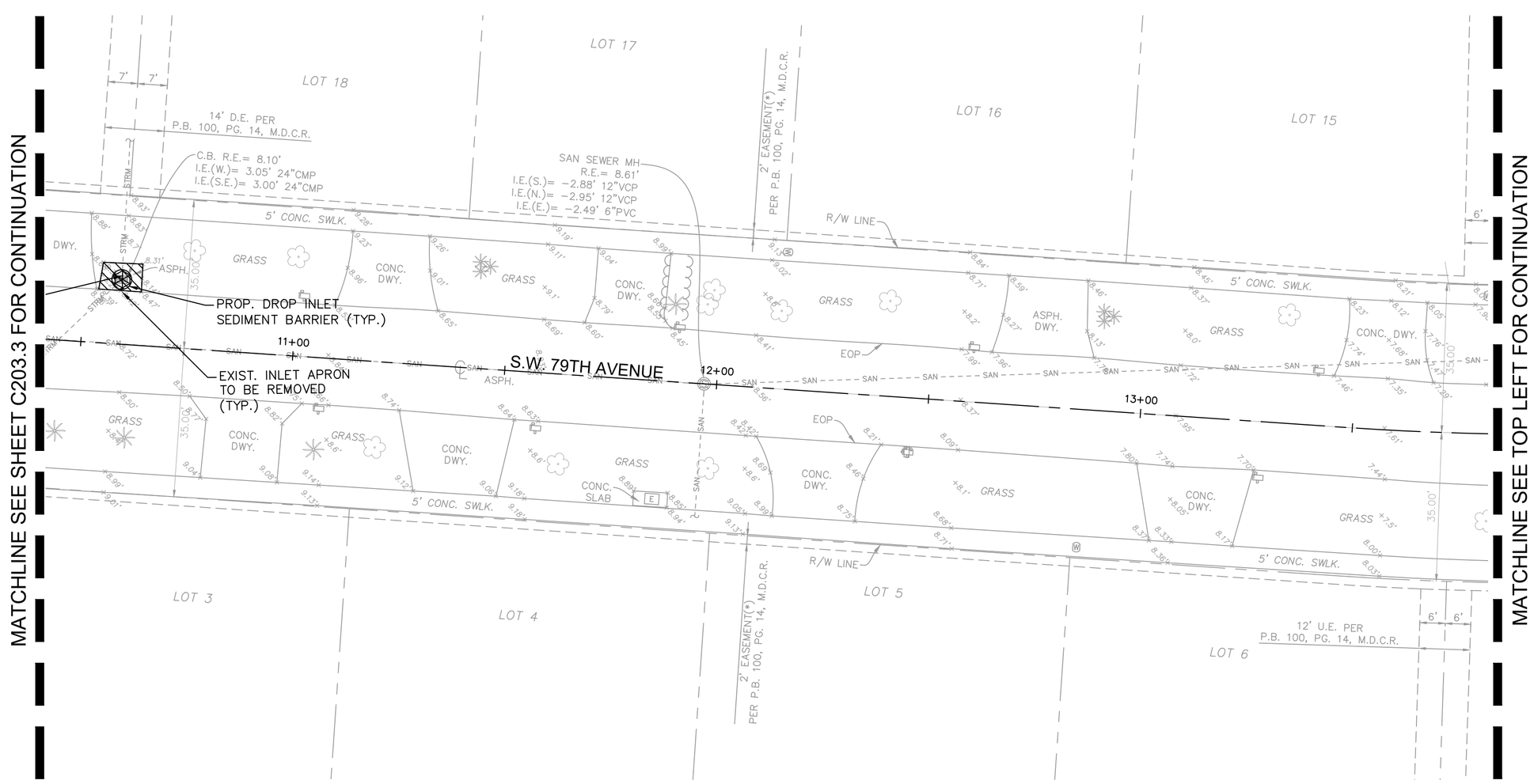
KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: 8/5/2025

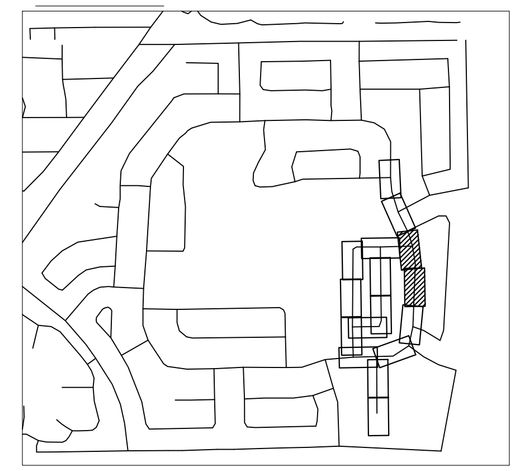
Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

No.	REVISIONS	DATE	BY





KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- PROPOSED SILT FENCE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING LIGHTPOLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROPOSED INLET SEDIMENT BARRIER
- EXISTING TO BE REMOVED

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
3. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
4. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
5. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
6. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
7. ALL EXISTING SIGNS IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
8. ALL TREES ARE TO BE PROTECTED AT ALL TIMES DURING CONSTRUCTION

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

DEMOLITION AND EROSION CONTROL PLAN

SAGA BAY DRAINAGE IMPROVEMENTS-EAST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C203.2

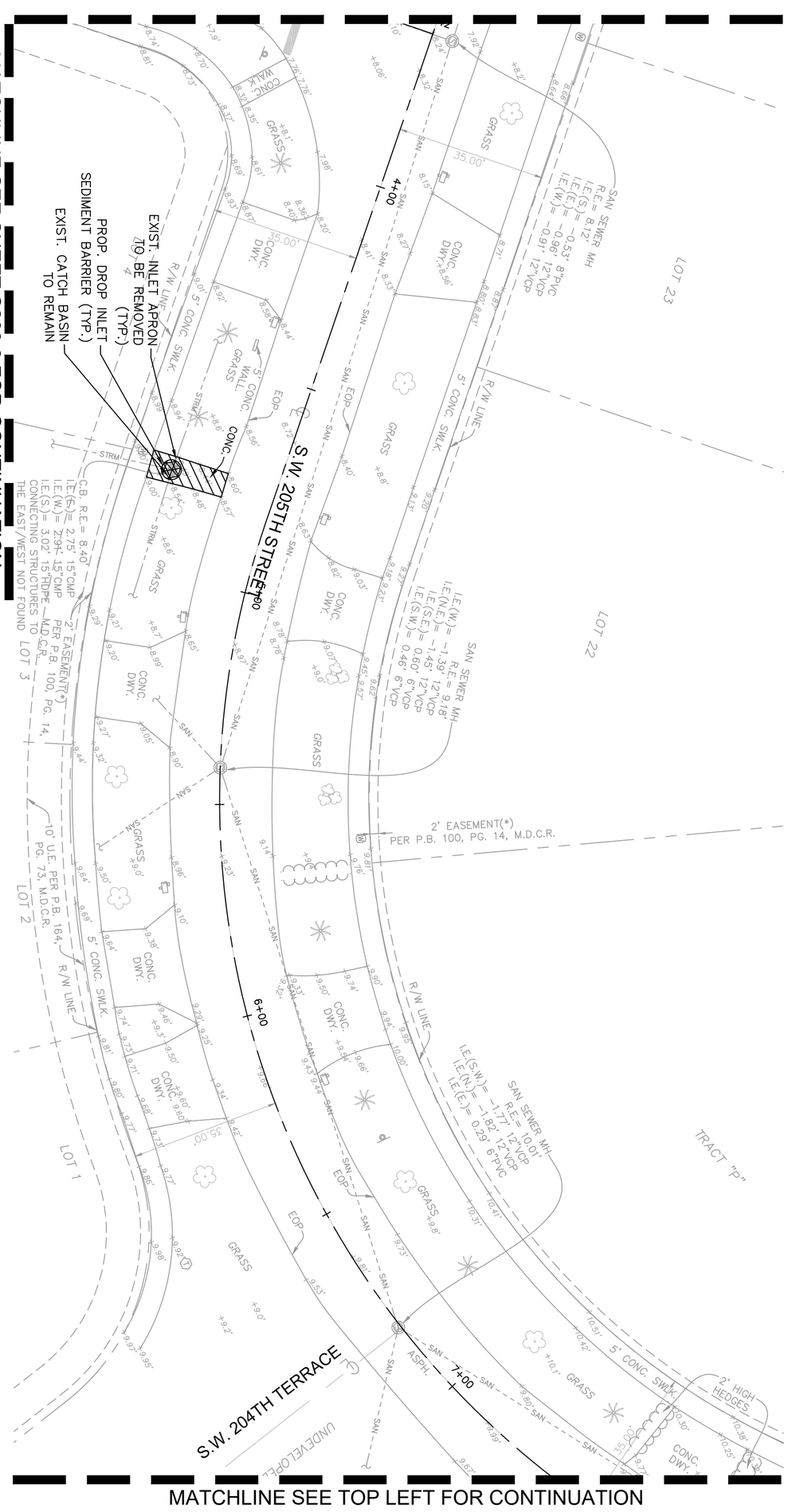
811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.sunshine811.com

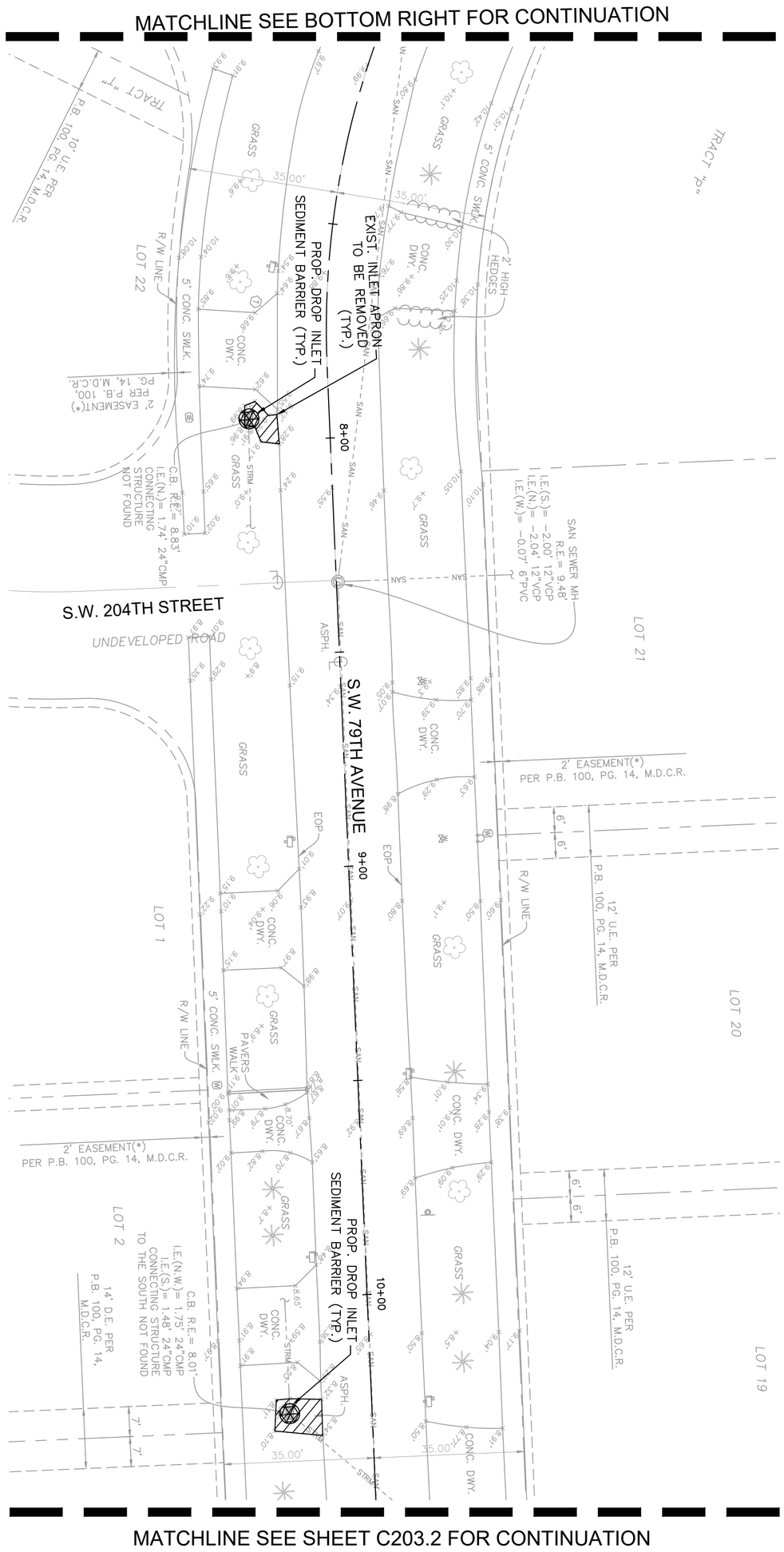
Plotted By: Rainier, Flores Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C203.2 Demolition and Erosion Control Plan August 06, 2025 12:28:40pm K:\FTL_civil\043145105 saga bay drainage improvements\CAD\sheetset\C200.1 Demolition and Erosion Control Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

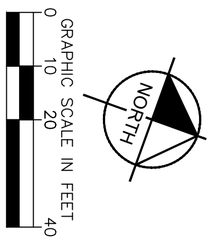
Town of Cutler Bay | ITB No. 25-04
Saga Bay Drainage Improvements Project
Page 254 of 329

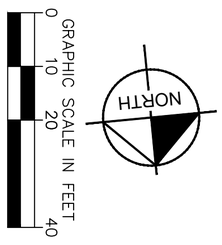
Plotted By: Beziner, Eliana Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C203.3 Demolition and Erosion Control Plan August 05, 2025 12:28:50pm K:\ftl_civil\043 jobs\043145105 saga bay drainage improvements\CAD\plansheets\C200.1 Demolition and Erosion Control Plan.dwg

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

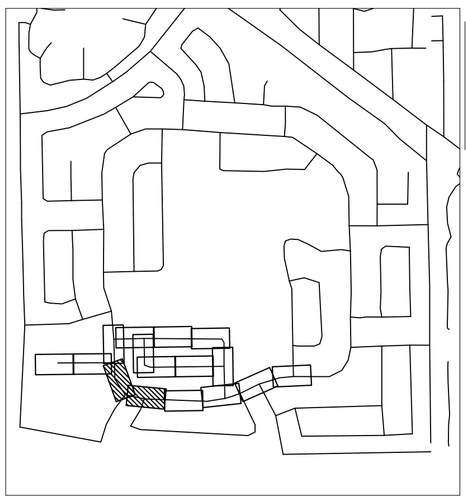








KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- PROPOSED SILT FENCE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING LIGHTPOLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROPOSED INLET SEDIMENT BARRIER
- EXISTING TO BE REMOVED

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
3. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
4. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
5. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
6. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
7. ALL EXISTING SIGNS IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
8. ALL TREES ARE TO BE PROTECTED AT ALL TIMES DURING CONSTRUCTION

811 KNOW WHAT'S BELOW CALL BEFORE YOU DIG
811 It's free. It's the law. It's the law.
www.callsunshine.com

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

SHEET NUMBER C203.3

SAGA BAY DRAINAGE IMPROVEMENTS-EAST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

DEMOLITION AND EROSION CONTROL PLAN

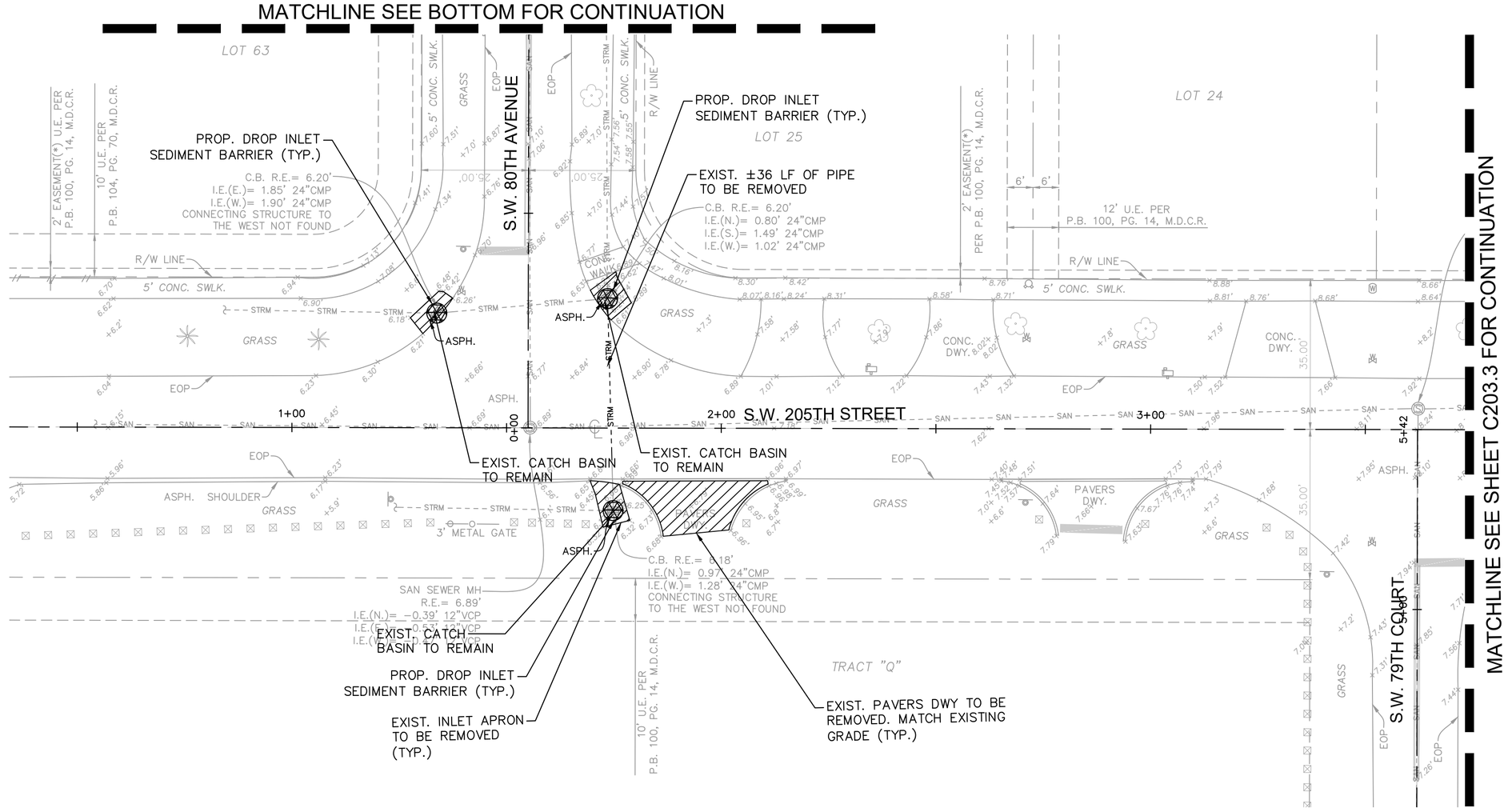
KHA PROJECT 043145105
DATE MAY 2025
SCALE AS SHOWN
DESIGNED BY TS
DRAWN BY DM
CHECKED BY SV

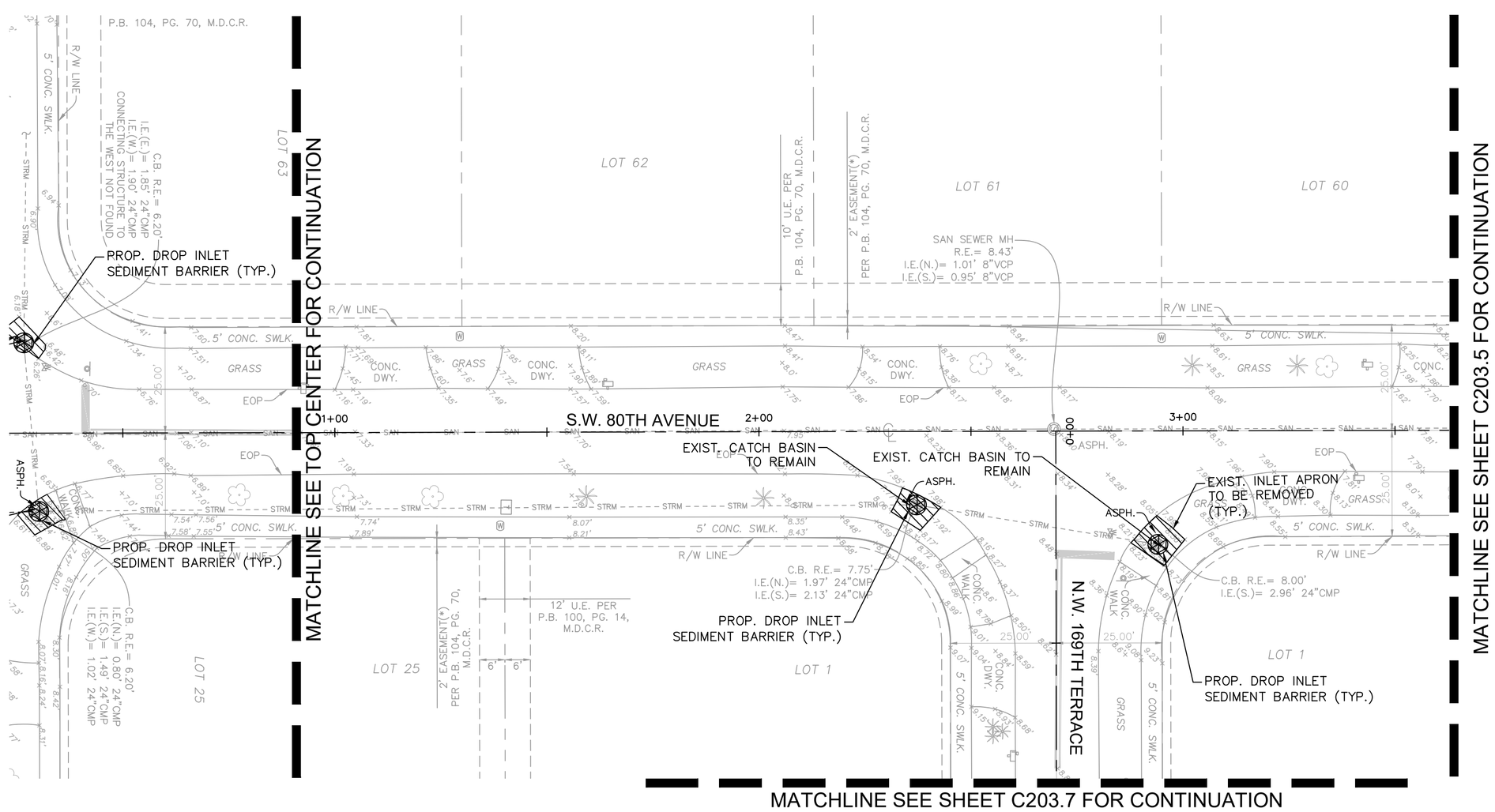
TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: 8/5/2025

Kimley»Horn

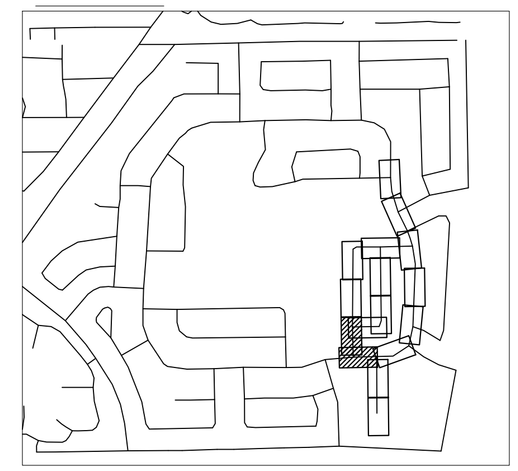
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

No.	REVISIONS	DATE	BY





KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- PROPOSED SILT FENCE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING LIGHTPOLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROPOSED INLET SEDIMENT BARRIER
- EXISTING TO BE REMOVED

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
3. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
4. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
5. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
6. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
7. ALL EXISTING SIGNS IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
8. ALL TREES ARE TO BE PROTECTED AT ALL TIMES DURING CONSTRUCTION

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
SIGNATURE: DATE:

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

DEMOLITION AND EROSION CONTROL PLAN

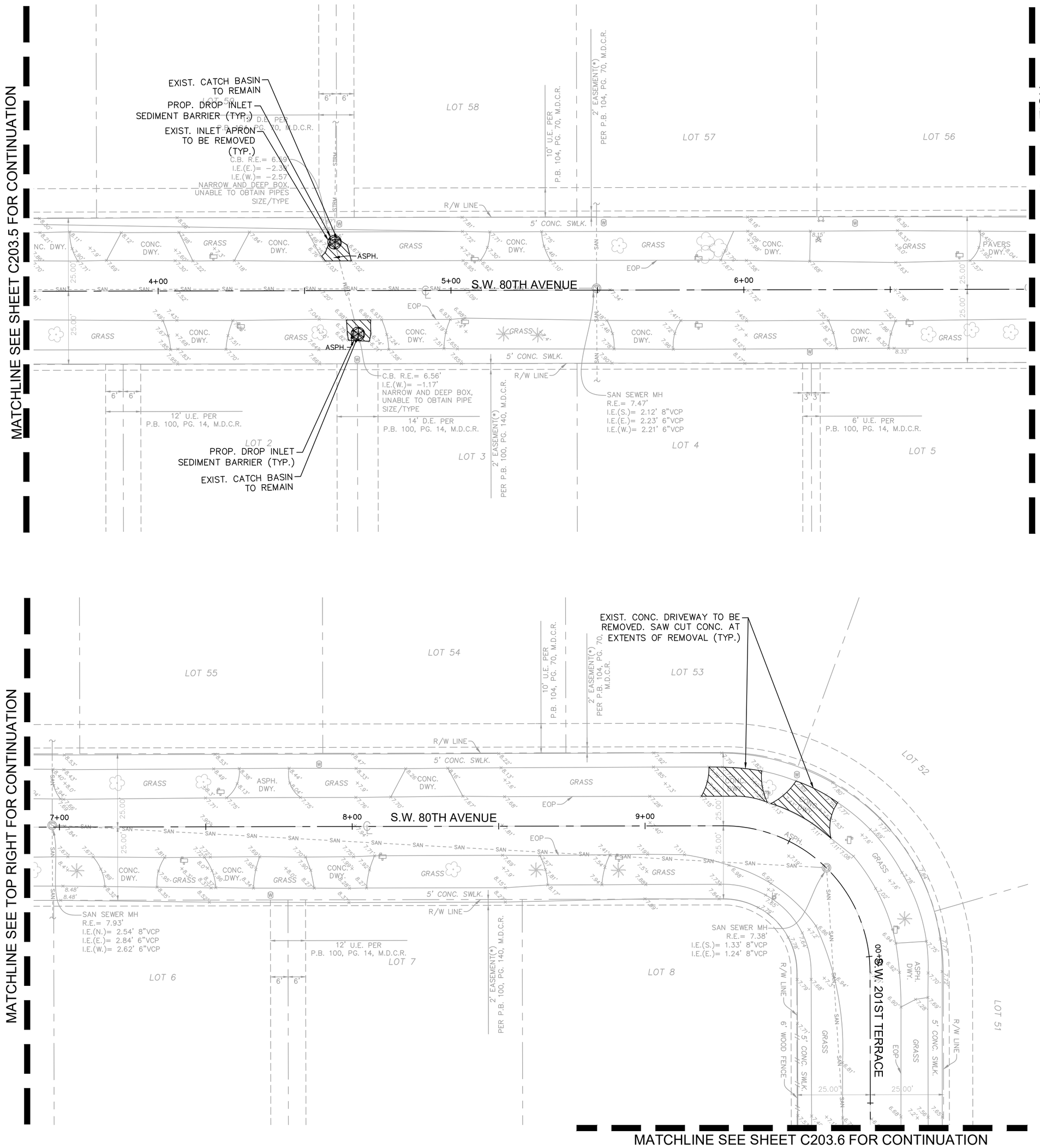
SAGA BAY DRAINAGE IMPROVEMENTS-EAST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C203.4

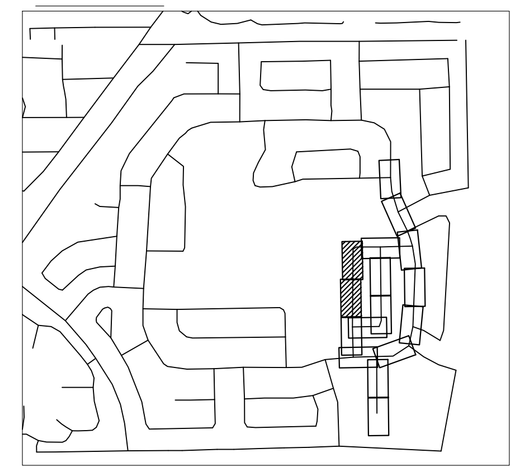
811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.sunshine811.com

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By: Rainier, Flores Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C203.4 Demolition and Erosion Control Plan August 06, 2025 12:29:00pm K:\MIA_civil\043_Jobs\043145105_saga bay drainage improvements\CAD\sheetsets\C200.1 Demolition and Erosion Control Plan.dwg



KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- PROPOSED SILT FENCE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING LIGHTPOLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROPOSED INLET SEDIMENT BARRIER
- EXISTING TO BE REMOVED

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
3. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
4. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
5. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
6. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
7. ALL EXISTING SIGNS IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
8. ALL TREES ARE TO BE PROTECTED AT ALL TIMES DURING CONSTRUCTION

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON ★ No 85268 ★ STATE OF FLORIDA ★ ENGINEER ★ PROFESSIONAL ★ LICENSE FILE

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

DEMOLITION AND EROSION CONTROL PLAN

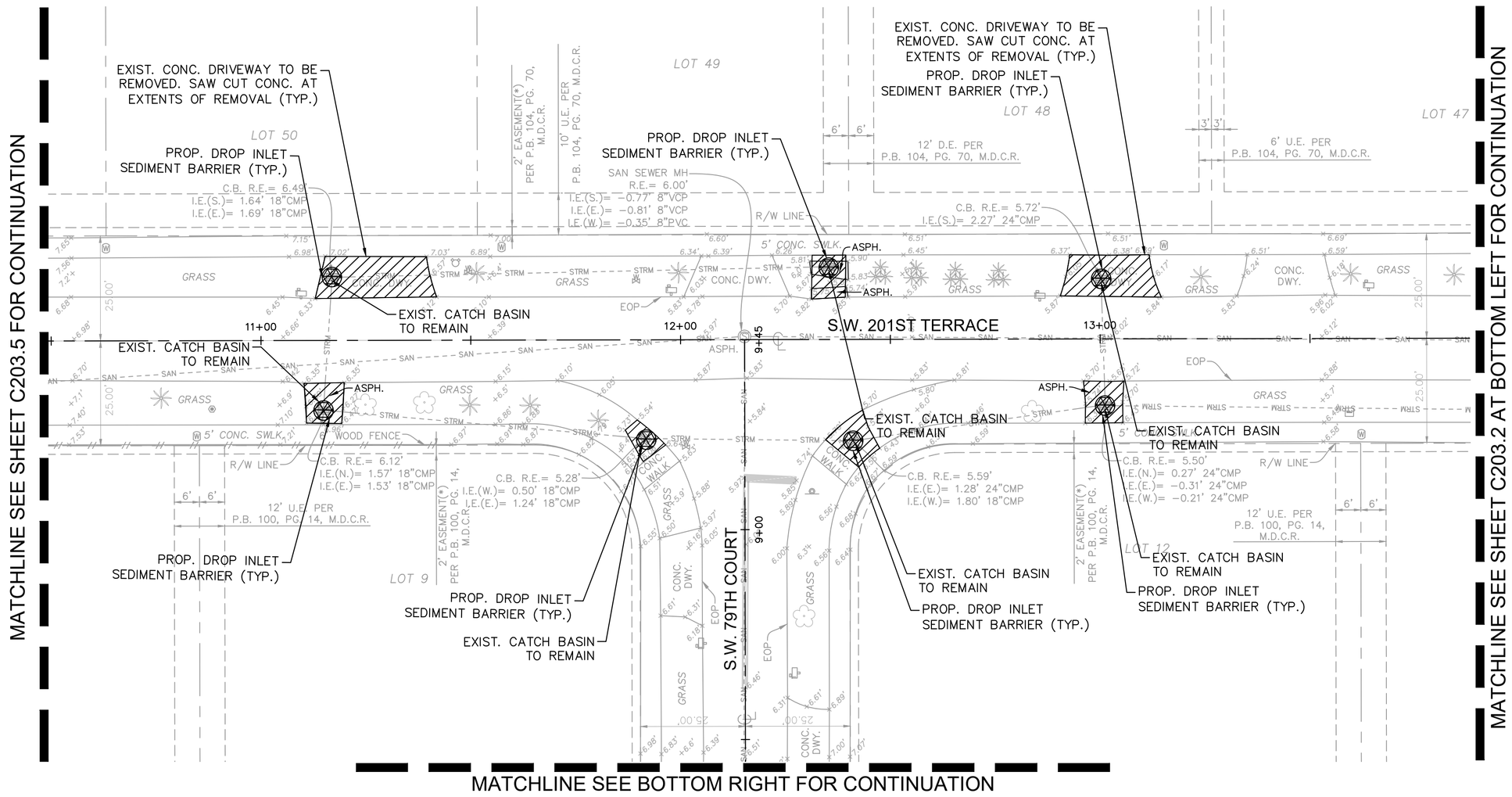
SAGA BAY DRAINAGE IMPROVEMENTS-EAST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

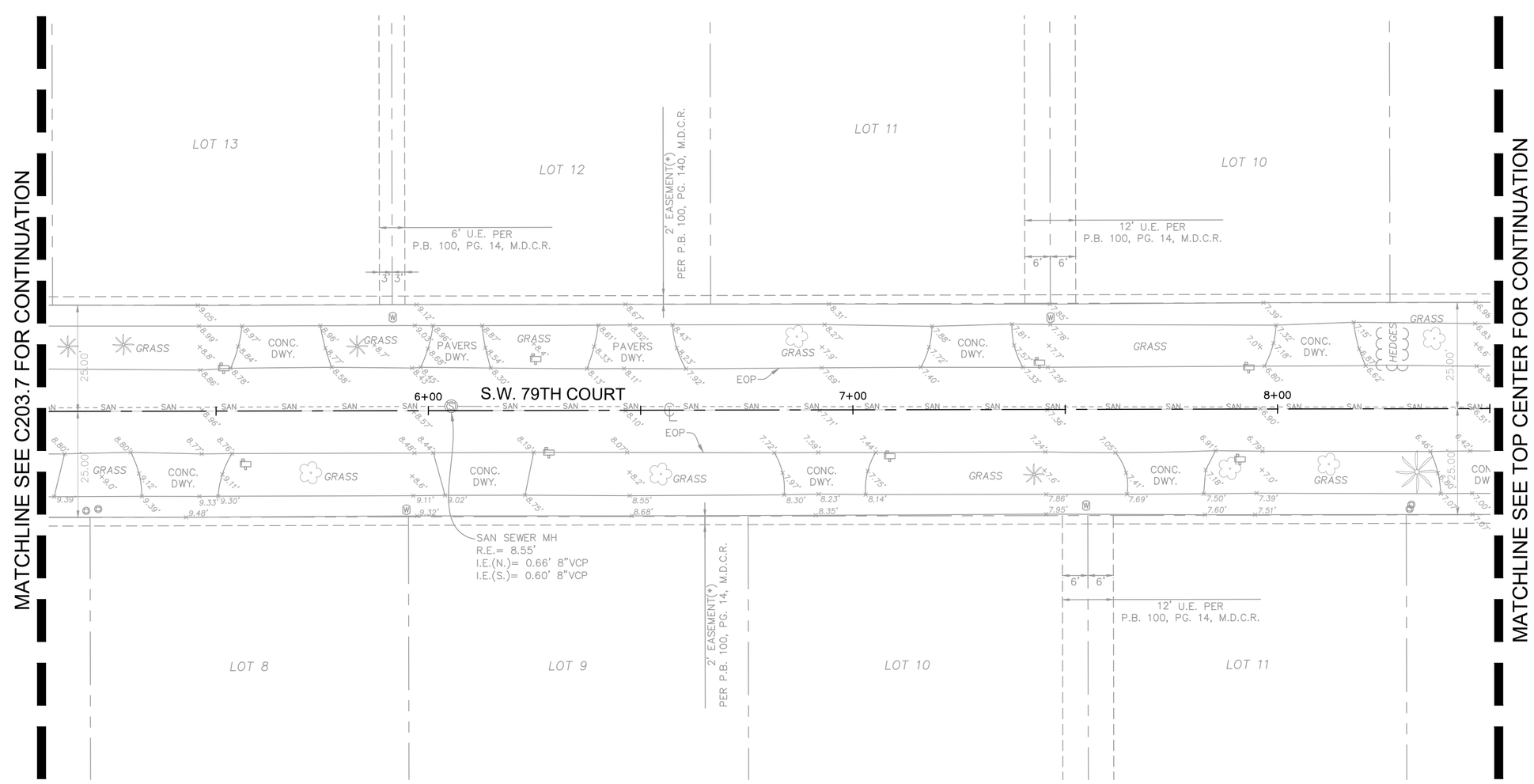
SHEET NUMBER
C203.5

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG! It's fast. It's free. It's the law. www.sunshine811.com

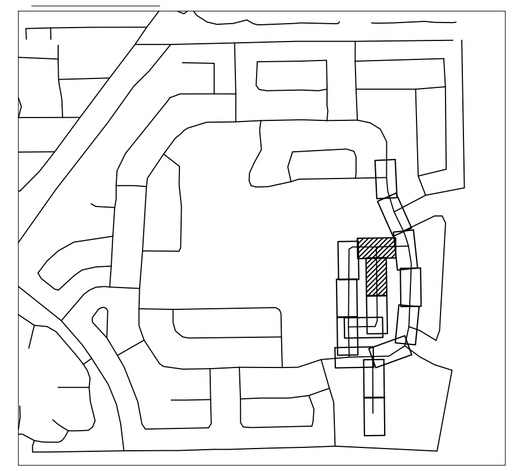
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By: Rainier, Eliana Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C203.5 Demolition and Erosion Control Plan August 06, 2025 12:39:11pm K:\MIA_civil\043145105 saga bay drainage improvements\4_CAD\sheetset\C200.1 Demolition and Erosion Control Plan.dwg





KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- PROPOSED SILT FENCE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING LIGHTPOLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROPOSED INLET SEDIMENT BARRIER
- EXISTING TO BE REMOVED

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
3. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
4. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
5. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
6. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
7. ALL EXISTING SIGNS IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
8. ALL TREES ARE TO BE PROTECTED AT ALL TIMES DURING CONSTRUCTION

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON ★ No 85268 ★ STATE OF FLORIDA ★ PROFESSIONAL ENGINEER
FILE: (N/A) DATE: (N/A)

KHA PROJECT 043145105	
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

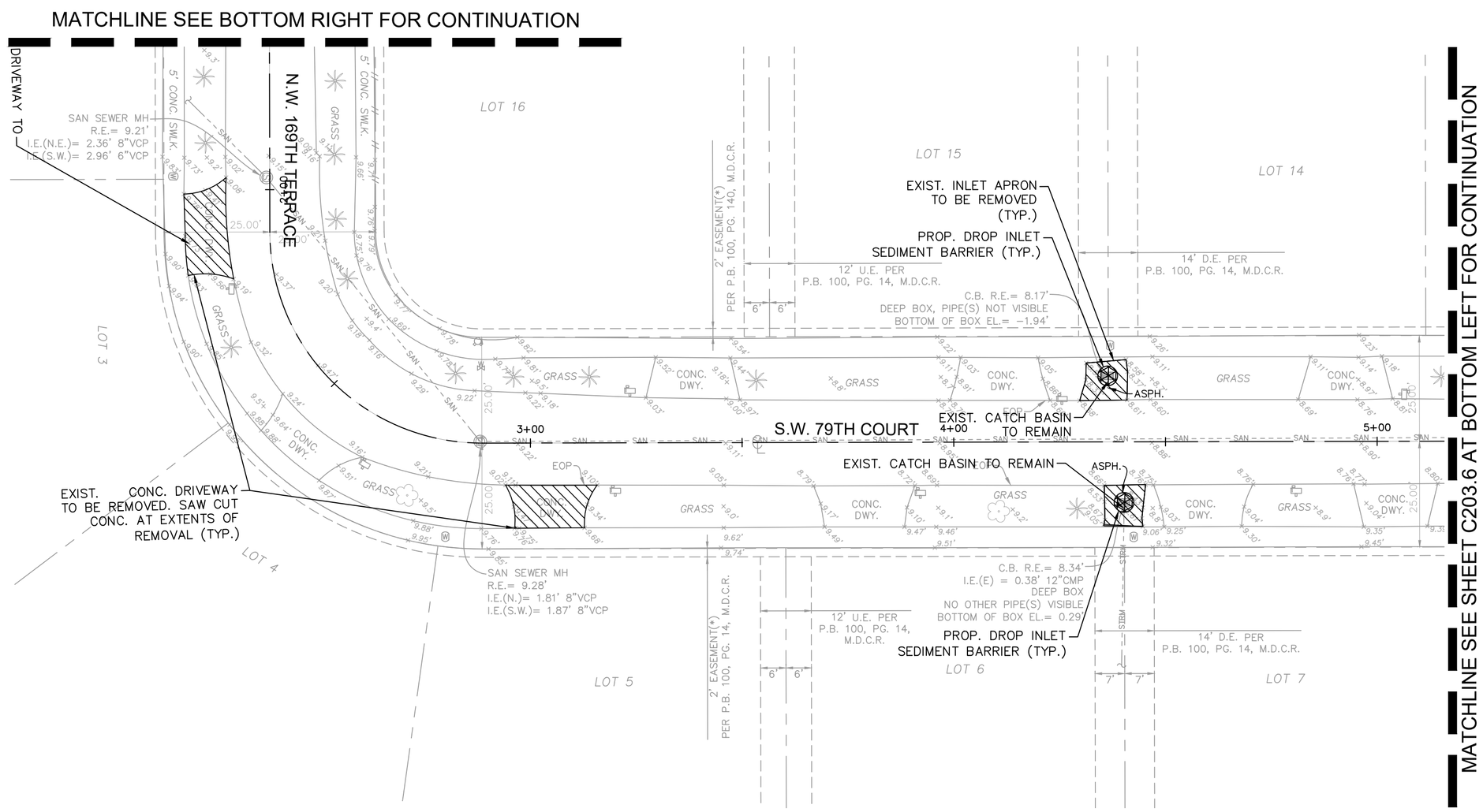
DEMOLITION AND EROSION CONTROL PLAN

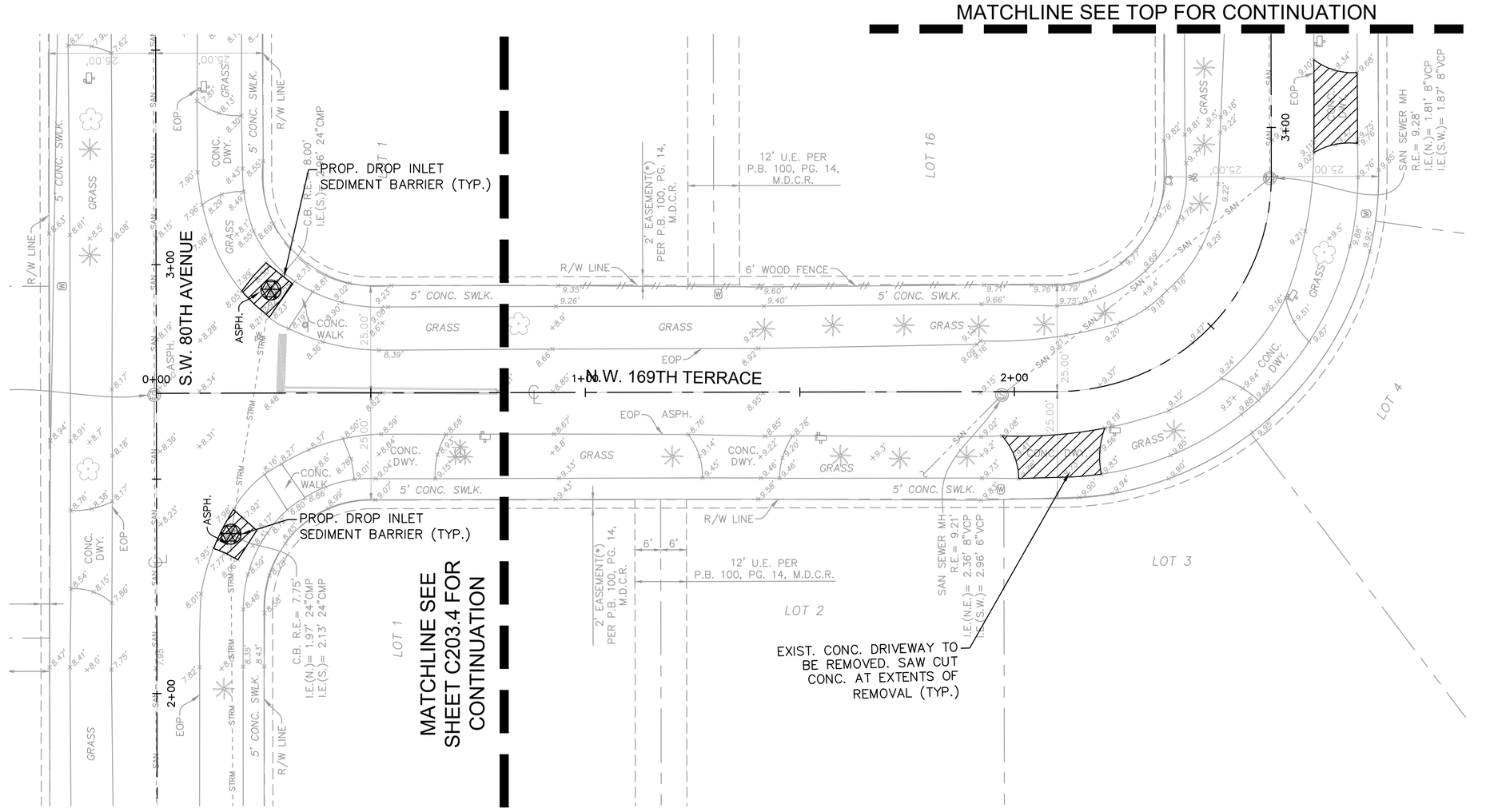
SAGA BAY DRAINAGE IMPROVEMENTS-EAST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C203.6

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.sunshine811.com

Plotted By: Rainier, Flinn Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C203.6 Demolition and Erosion Control Plan August 06, 2025 12:39:21pm K:\MIA_civil\043145105 saga bay drainage improvements\CAD\sheetset\C200.1 Demolition and Erosion Control Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.
Town of Cutler Bay | ITB No. 25-04 Saga Bay Drainage Improvements Project Page 286 of 329

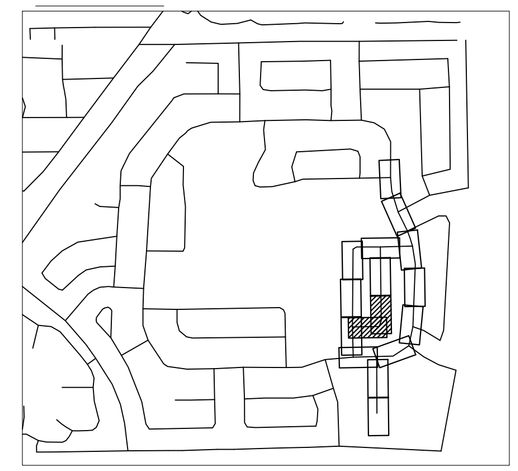




NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- PROPOSED SILT FENCE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING LIGHTPOLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROPOSED INLET SEDIMENT BARRIER
- EXISTING TO BE REMOVED

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
3. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
4. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
5. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
6. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
7. ALL EXISTING SIGNS IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
8. ALL TREES ARE TO BE PROTECTED AT ALL TIMES DURING CONSTRUCTION

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER

DATE: 8/6/2025

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

KHA PROJECT 043145105	
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

DEMOLITION AND EROSION CONTROL PLAN

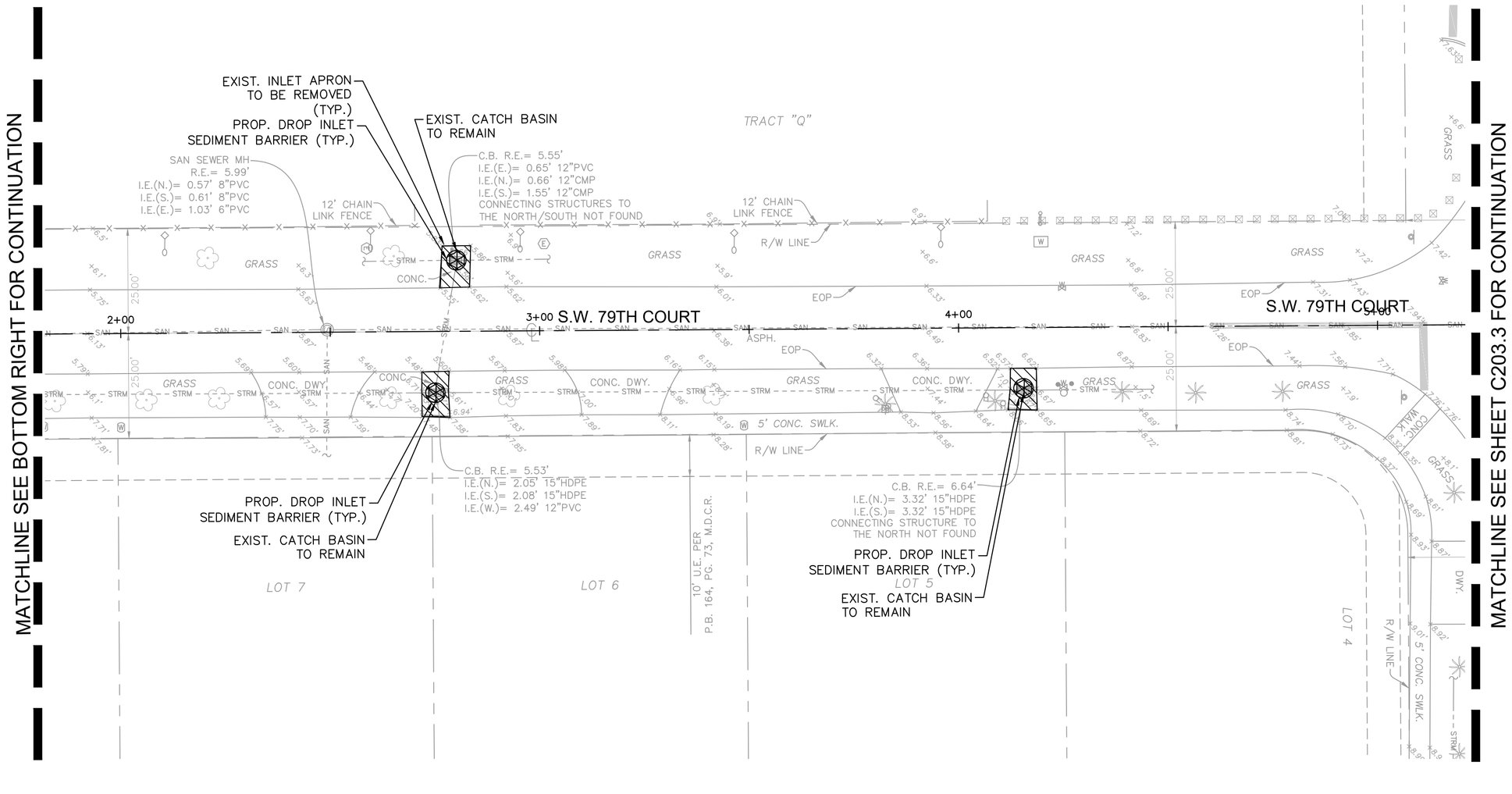
SAGA BAY DRAINAGE IMPROVEMENTS-EAST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

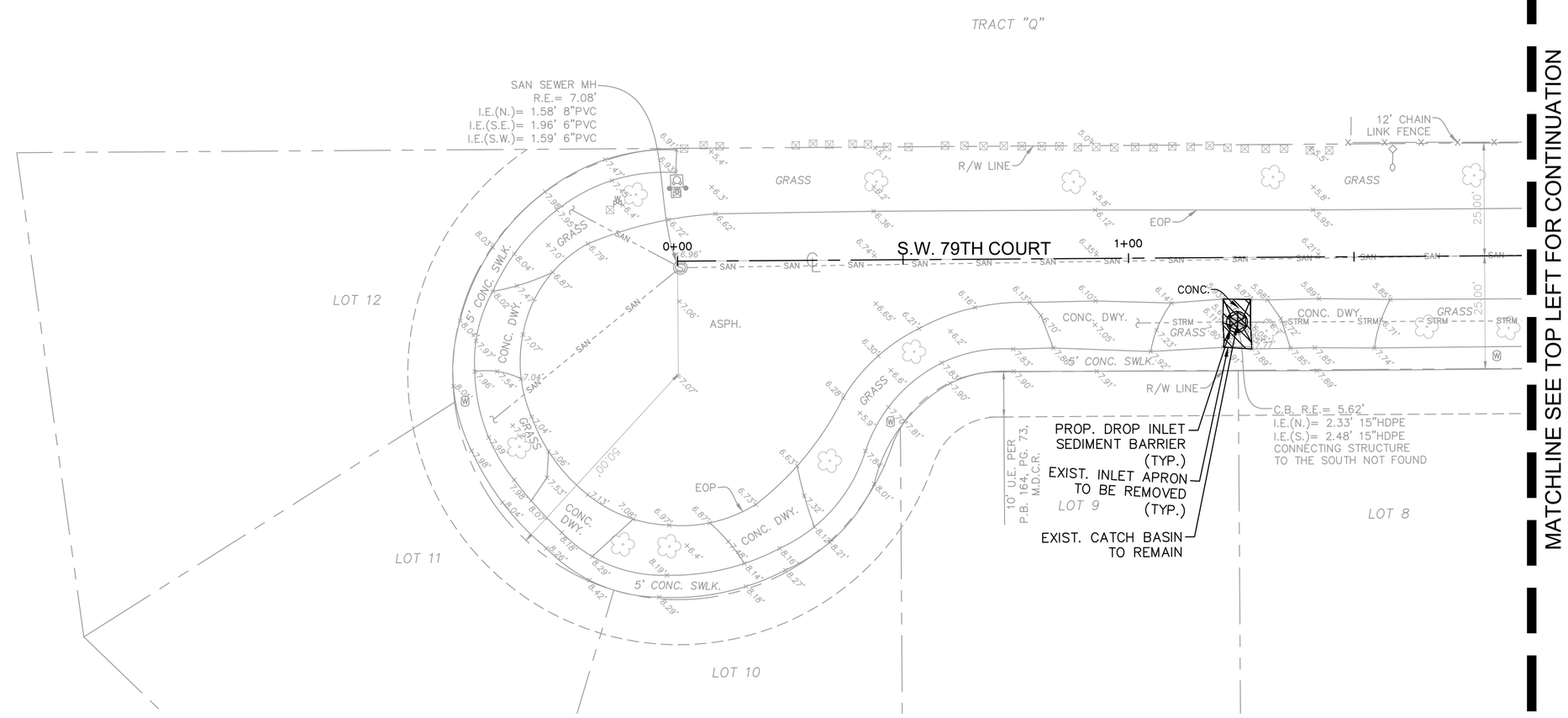
SHEET NUMBER
C203.7

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.sunshine811.com

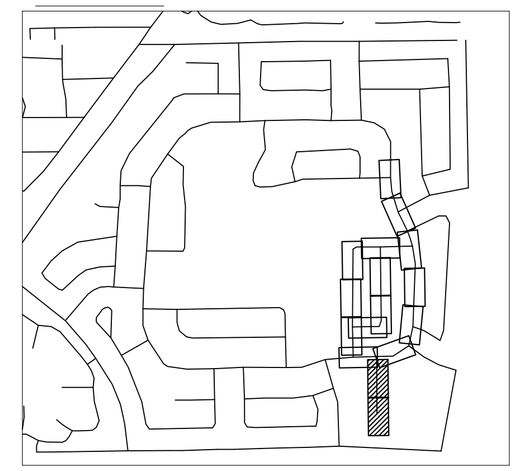
Plotted By: Rainier, Filipina Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C203.7 Demolition and Erosion Control Plan August 06, 2025 12:39:31pm K:\MIA_civil\043145105 saga bay drainage improvements\CAD\sheetset\C200.1 Demolition and Erosion Control Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Town of Cutler Bay | ITB No. 25-04
Saga Bay Drainage Improvements Project
Page 299 of 329





KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- PROPOSED SILT FENCE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING LIGHTPOLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROPOSED INLET SEDIMENT BARRIER
- EXISTING TO BE REMOVED

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
3. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
4. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
5. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
6. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
7. ALL EXISTING SIGNS IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
8. ALL TREES ARE TO BE PROTECTED AT ALL TIMES DURING CONSTRUCTION

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER

KHA PROJECT 043145105	
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

DEMOLITION AND EROSION CONTROL PLAN

SAGA BAY DRAINAGE IMPROVEMENTS-EAST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C203.8

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.sunshine811.com

Plotted By: Rainier, Eliana Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C203.8 Demolition and Erosion Control Plan August 06, 2025 12:29:41pm K:\MIA_civil\043145105 saga bay drainage improvements\CAD\sheetset\C200.1 Demolition and Erosion Control Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.
Town of Cutler Bay | ITB No. 25-04
Saga Bay Drainage Improvements Project
Page 300 of 329

A. DEMOLITION NOTES

1. SOME INCIDENTAL ITEMS MAY HAVE BEEN INADVERTENTLY OMITTED FROM THE PLANS. THE CONTRACTOR IS ENCOURAGED TO THOROUGHLY INSPECT THE SITE AS WELL AS REVIEW THE PLANS AND SPECIFICATIONS PRIOR TO SUBMITTING PRICING. CONTRACTOR WILL NOT RECEIVE ADDITIONAL COMPENSATION FOR INCIDENTAL ITEMS NOT SHOWN ON THIS DEMOLITION PLAN.
2. THE DEMOLITION PLAN IS BASED ON AVAILABLE UTILITY INFORMATION AND MAY OR MAY NOT BE ALL INCLUSIVE FOR THIS SITE. ANY UTILITIES ENCOUNTERED DURING DEMOLITION THAT ARE NOT DEPICTED/ADDRESSED ON THIS DRAWING SHOULD BE BROUGHT TO THE ATTENTION OF THE PROJECT ENGINEER IMMEDIATELY.
3. CONTRACTOR IS REQUIRED TO OBTAIN ALL DEMOLITION PERMITS.
4. ALL FEATURES IDENTIFIED ON THIS PLAN WHICH ARE LISTED TO BE DEMOLISHED ARE TO BE REMOVED FROM THE SITE. AFTER DEMOLITION IS COMPLETE THE SITE SHALL BE DELIVERED IN A CONDITION SUITABLE FOR DEVELOPMENT.
5. CONTRACTOR IS RESPONSIBLE FOR CONTROLLING AIRBORNE DUST AND POLLUTANTS BY USING WATER SPRINKLING OR OTHER SUITABLE MEANS OF CONTROL.
6. CONTRACTOR TO USE CARE IN HANDLING DEBRIS FROM THE SITE TO ENSURE THE SAFETY OF THE PUBLIC. HAUL ROUTE TO BE CLOSELY MONITORED FOR DEBRIS OR MATERIALS TRACKED ONTO ADJOINING ROADWAYS, SIDEWALKS, ETC. ROADWAYS AND WALKWAYS TO BE CLEARED DAILY OR AS NECESSARY TO MAINTAIN PUBLIC SAFETY.
7. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
8. WHERE REMAINING, INLETS, MANHOLE COVERS, AND VALVE COVERS TO BE PROTECTED IN PAVEMENT REMOVAL AREAS.
9. SEE SITE PLAN AND GRADING PLAN FOR LIMITS AND GRADING OF RESURFACED DRIVEWAYS AND ENTRANCES.
10. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
11. SEE EROSION CONTROL PLAN FOR INLET PROTECTION AND EROSION PREVENTION.
12. CONTRACTOR TO REROUTE EXISTING IRRIGATION SYSTEM AS NECESSARY TO MAINTAIN IRRIGATION FLOW TO AREAS OUTSIDE THE DEMOLITION ZONE.
13. PROTECT ALL WATER MAINS. CONTRACTOR TO NOTIFY UTILITY PROVIDER IMMEDIATELY, AND REPAIR UPON UTILITY PROVIDER'S DIRECTION.
14. CONTRACTOR TO MAINTAIN PEDESTRIAN TRAFFIC FLOW DURING REMOVAL/REINSTALLATION OF SIDEWALKS.

B. BEST MANAGEMENT PRACTICES (BMPS)

1. THIS PLAN HAS BEEN PREPARED TO ENSURE COMPLIANCE WITH APPROPRIATE CONDITIONS OF THE MIAMI–DADE COUNTY LAND DEVELOPMENT REGULATIONS, THE RULES OF THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP), CHAPTER 17–25, F.A.C., THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD), CHAPTER 40D–4, F.A.C. AND THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (EPA) DOCUMENT NO. EPA 832/R–92–005 (SEPTEMBER 1992). THE PLAN ADDRESSES THE FOLLOWING:
   a. PREVENT LOSS OF SOIL DURING CONSTRUCTION BY STORMWATER RUNOFF AND/OR WIND EROSION, INCLUDING PROTECTING TOPSOIL BY STOCKPILING FOR REUSE.
   b. SEDIMENTION PROTECTION OF STORM SEWER OR RECEIVING STREAM.
   c. PREVENT POLLUTING THE AIR WITH DUST AND PARTICULATE MATTER. THE VARIOUS TECHNIQUES OR ACTIONS IDENTIFIED UNDER EACH SECTION INDICATE THE APPROPRIATE SITUATION WHEN THE TECHNIQUES SHOULD BE EMPLOYED. ALSO IDENTIFIED IS A CROSS–REFERENCE TO A DIAGRAM OR FIGURE REPRESENTING THE TECHNIQUE. IT SHOULD BE NOTED THAT THE MEASURES IDENTIFIED ON THIS PLAN ARE ONLY SUGGESTED BMP(S). THE CONTRACTOR SHALL PROVIDE POLLUTION PREVENTION AND EROSION CONTROL MEASURES AS SPECIFIED IN ACCORDANCE WITH THE CURRENT FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) REQUIREMENTS. CONTRACTOR SHALL PREPARE REQUIRED NPDES DOCUMENTATION AND OBTAIN PERMIT PRIOR TO COMMENCEMENT OF CONSTRUCTION. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO PREPARE THE REQUIRED NPDES DOCUMENT AND OBTAIN THE NPDES PERMIT. ALL COST ASSOCIATED WITH SUCH WORK SHALL BE DEEMED INCIDENTAL TO THE PROJECT LUMP SUM COST.

B. GENERAL EROSION CONTROL NOTES

1. THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IS COMPRISED OF THESE EROSION CONTROL DRAWINGS, THE STANDARD DETAILS, THE NPDES PERMIT (TO BE OBTAINED BY CONTRACTOR) AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS.
2. ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THIS DRAWING AND THE STATE OF FLORIDA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES PERMIT) AND BECOME FAMILIAR WITH THEIR CONTENTS.
3. CONTRACTOR SHALL OBTAIN ANY NECESSARY DEWATERING PERMITS AS SITE CONDITIONS AND CONSTRUCTION ACTIVITIES REQUIRE.
4. CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES (BMP) IN ALL CONSTRUCTION ACTIVITIES INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
   a. FUEL SPILLS AND LEAKS PREVENTION
   b. PREVENT/REDUCE VEHICLE AND EQUIPTMENT WASHING AND STEAM CLEANING
   c. VEHICLE AND EQUIPTMENT MAINTENANCE AND REPAIR
   d. PROPER OUTDOOR LOADING/UNLOADING OF MATERIALS
   e. PREVENT/REDUCE OUTDOOR STORAGE OF RAW MATERIALS, PRODUCTS, AND BY–PRODUCTS
   f. SOLID WASTE MANAGEMENT
   g. HAZARDOUS WASTE MANAGEMENT
   h. CONCRETE WASTE MANAGEMENT
   i. SANDBLASTING WASTE MANAGEMENT
   j. STRUCTURE CONSTRUCTION AND PAINTING
   k. SPILL PREVENTION AND CONTROL
   l. CONTAMINATED SOIL MANAGEMENT
   m. SANITARY/SEPTIC WASTE MANAGEMENT
   n. SOIL EROSION CONTROL
   o. STORM WATER TURBIDITY MANAGEMENT
5. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST TO THE OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
6. BEST MANAGEMENT PRACTICES (BMPS) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY OR OWNER.
7. SITE MAP MUST CLEARLY DELINEATE ALL STATE WATERS. CONTRACTOR MUST MAINTAIN ALL PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED WETLANDS ON SITE AT ALL TIMES.
8. CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL OR AS REQUIRED BY THE GENERAL PERMIT.
9. CONTRACTOR SHALL BEGIN CLEARING AND GRUBBING THOSE PORTIONS OF THE SITE NECESSARY TO IMPLEMENT PERIMETER CONTROL MEASURES. CLEARING AND GRUBBING FOR THE REMAINING PORTIONS OF THE PROPOSED SITE SHALL COMMENCE ONCE PERIMETER CONTROLS ARE IN PLACE. PERIMETER CONTROLS SHALL BE ACTIVELY MAINTAINED UNTIL SAID AREAS HAVE BEEN STABILIZED AND SHALL BE REMOVED ONCE FINAL STABILIZATION IS COMPLETE.
10. GENERAL EROSION CONTROL BMPS SHALL BE EMPLOYED TO MINIMIZE SOIL EROSION AND POTENTIAL LAKE SLOPE CAVE–INS. WHILE THE VARIOUS TECHNIQUES REQUIRED WILL BE SITE AND PLAN SPECIFIC, THEY SHOULD BE EMPLOYED AS SOON AS POSSIBLE DURING CONSTRUCTION.
11. ON–SITE & OFF–SITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE SITE MAP AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.
12. SURFACE WATER QUALITY SHALL BE MAINTAINED BY EMPLOYING THE FOLLOWING BMP'S IN THE CONSTRUCTION PLANNING AND CONSTRUCTION OF ALL IMPROVEMENTS.
13. IT SHOULD BE NOTED THAT THE MEASURE IDENTIFIED ON THIS PLAN ARE ONLY SUGGESTED BMP(S). THE CONTRACTOR SHALL PROVIDE POLLUTION PREVENTION AND EROSION CONTROL MEASURES AS NECESSARY TO CONFORM TO CURRENT CITY, FDEP AND SFWMD CODES AND SPECIFICATIONS.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTION OF ANY EROSION OR WATER QUALITY PROBLEMS THAT RESULT FROM THE CONSTRUCTION ACTIVITIES.

C. STORM WATER EROSION CONTROL PRACTICES

1. CONTRACTORS OR SUBCONTRACTORS WILL BE RESPONSIBLE FOR REMOVING SEDIMENT FROM DETENTION PONDS AND ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE STABILIZATION OF THE SITE.
2. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
3. DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES (COMPOST SOCK DEVICES, ETC.) TO PREVENT EROSION.
4. WHERE PRACTICAL, STORMWATER SHALL BE CONVEYED BY SWALES.
5. EROSION CONTROL MEASURES SHALL BE EMPLOYED TO MINIMIZE TURBIDITY OF SURFACE WATERS LOCATED DOWNSTREAM OF ANY CONSTRUCTION ACTIVITY. WHILE THE VARIOUS MEASURES REQUIRED WILL BE SITE SPECIFIC, THEY SHALL BE EMPLOYED AS NEEDED IN ACCORDANCE WITH THE FOLLOWING:
   a. IN GENERAL, EROSION SHALL BE CONTROLLED AT THE FURTHEST PRACTICAL UPSTREAM LOCATION.
   b. STORMWATER INLETS SHALL BE PROTECTED DURING CONSTRUCTION. PROTECTION MEASURES SHALL BE EMPLOYED AS SOON AS PRACTICAL DURING THE VARIOUS STAGES OF INLET CONSTRUCTION. SILT BARRIERS SHALL REMAIN IN PLACE UNTIL SODDING AROUND INLETS IS COMPLETE.
   c. WHEN NEEDED A TEMPORARY SEDIMENT TRAP SHOLD BE CONSTRUCTED TO DETAIN SEDIMENT–LADEN RUNOFF FROM DISTURBED AREAS.
6. SILT BARRIERS, ANY SILT WHICH ACCUMULATES BEHIND THE BARRIERS, AND ANY FILL USED TO ANCHOR THE BARRIERS SHALL BE REMOVED PROMPTLY AFTER THE END OF THE MAINTENANCE PERIOD SPECIFIED FOR THE BARRIERS.
7. SLOPES OF BANKS OF RETENTION/DETENTION PONDS SHALL BE CONSTRUCTED NOT STEEPER THAN 3H:1V FROM TOP OF BANK TO TWO FEET BELOW NORMAL WATER LEVEL, AS APPLICABLE.
8. SOD SHALL BE PLACED FOR A 2–FOOT WIDE STRIP ADJOINING ALL CURBING AND AROUND ALL INLETS. SOD SHALL BE PLACED BEFORE SILT BARRIERS ARE REMOVED.
9. WHERE REQUIRED TO PREVENT EROSION FROM SHEET FLOW ACROSS BARE GROUND FROM ENTERING A LAKE OR SWALE, A TEMPORARY SEDIMENT SUMP SHALL BE CONSTRUCTED.
10. FILTER FABRIC SHOULD BE USED FOR STORM DRAIN INLET PROTECTION BEFORE FINAL STABILIZATION.
11. FLOATING TURBIDITY BARRIERS SHALL BE INSTALLED PRIOR TO CONSTRUCTION AND INSTALLATION OF DRAINAGE OUTFALL PIPE AND ENDWALL.
12. EXISTING DRAINAGE FLOW PATTERNS AND POSITIVE DRAINAGE TO EXISTING OUTFALLS SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
13. ALL NEW INLETS INSTALLED UNDER THIS PROJECT SHALL RECEIVE IN LET PROTECTIO

D. WIND EROSION CONTROL PRACTICES

1. WIND EROSION SHALL BE CONTROLLED BY EMPLOYING THE FOLLOWING METHODS AS NECESSARY AND APPROPRIATE:
   a. BARE EARTH AREAS SHALL BE WATERED DURING CONSTRUCTION AS NECESSARY TO MINIMIZE THE TRANSPORT OF FUGITIVE DUST. IT MAY BE NECESSARY TO LIMIT CONSTRUCTION VEHICLE SPEED IF BARE EARTH HAS NOT BEEN EFFECTIVELY WATERED. IN NO CASE SHALL FUGITIVE DUST BE ALLOWED TO LEAVE THE SITE UNDER CONSTRUCTION.
   b. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HASPERMANENTLY STOPPED SHALL BE PERMANENTLY SEEDED (SEE PERMANENT STABALIZATION PRACTICES FOR DETAILS). THESE AREAS SHALL BE SEEDED NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS. REFER TO THE GRADING PLAN AND/OR LANDSCAPE PLAN. CLEARED SITE DEVELOPMENT AREAS NOT CONTINUALLY SCHEDULED FOR CONSTRUCTION ACTIVITIES SHALL BE COVERED WITH HAY OR OVERSEEDED AND PERIODICALLY WATERED SUFFICIENTLY TO STABILIZE THE TEMPORARY GROUNDCOVER (SEE TEMPORARY STABALIZATION PRACTICES FOR DETAILS).
   c. AT ANY TIME BOTH DURING AND AFTER SITE CONSTRUCTION THAT WATERING AND/OR VEGETATION ARE NOT EFFECTIVE IN CONTROLLING WIND EROSION AND/OR TRANSPORT OF FUGITIVE DUST, OTHER METHODS AS ARE NECESSARY FOR SUCH CONTROL SHALL BE EMPLOYED. THESE METHODS SHOULD INCLUDE ERECTION OF DUST CONTROL FENCES. A 6–FT GEOTEXTILE FILTER FIBER SHOULD BE HANGING AGAINST THE EXISTING CHAIN LINK FENCE AND GATE.
2. ALL DUST ON THE SITE SHALL BE CONTROLLED. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.

E. STABILIZATION PRACTICES

1. SHALL BE IN ACCORDANCE WITH DEP DOCUMENT NO 62–621.300(4)(a).
2. DISTURBED PORTIONS OF SITE WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASE FOR AT LEAST 21 DAYS, SHALL BE STABILIZED WITH TEMPORARY SEED AND MULCH NO LATER THAN 14 DAYS FROM THE LAST CONSTRUCTION ACTIVITY IN THAT AREA.
3. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY PERMANENTLY CEASE SHALL BE STABILIZED WITH SOD NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY.

F. STRUCTURAL PRACTICES

1. SHALL BE IN ACCORDANCE WITH DEP DOCUMENT NO 62–621.300(4)(a)

G. WASTE DISPOSAL

1. WASTE MATERIALS – ALL WASTE MATERIALS SHALL BE COLLECTED AND STORED IN A METAL DUMPSTER WITH A SECURE LID IN ACCORDANCE WITH ALL LOCAL AND STATE LAWS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE SHALL BE DEPOSITED IN THE DUMPSTER. THE SUPERINTENDENT SHALL COORDINATE WITH THE LOCAL UTILITIES TO HAVE THE DUMPSTER EMPTIED AT LEAST TWICE A WEEK AND THE WASTE TAKEN TO AN APPROPRIATE LANDFILL. NO CONSTRUCTION WASTE MATERIALS SHALL BE BURIED ON SITE. THE SUPERINTENDENT SHALL ORGANIZE TRAINING FOR THE EMPLOYEES IN THE PROPER PRACTICES WHEN DEALING WITH WASTE MATERIALS. THE SUPERINTENDENT SHALL BE RESPONSIBLE FOR POSTING AND ENFORCING WASTE MATERIAL PROCEDURES.
2. HAZARDOUS WASTE – HAZARDOUS WASTE MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL LOCAL AND STATE LAWS OR AS DIRECTED BY THE MANUFACTURER. THE SUPERINTENDENT SHALL ORGANIZE THE PROPER TRAINING FOR EMPLOYEES IN THE PROPER PRACTICES WHEN DEALING WITH HAZARDOUS WASTE MATERIALS. THESE PROCEDURES SHALL BE POSTED ON THE SITE. THE PERSON WHO MANAGES THE SITE SHALL BE RESPONSIBLE FOR ENFORCING THE PROCEDURES.
3. SANITARY WASTE – SANITARY WASTE SHALL BE COLLECTED AND DISPOSED OF IN ACCORDANCE WITH ALL LOCAL AND STATE LAWS. THE SUPERINTENDENT SHALL COORDINATE WITH THE LOCAL UTILITY FOR COLLECTION OF THE SANITARY WASTE AT LEAST THREE TIMES A WEEK TO PREVENT SPILLAGE ONTO THE SITE.
4. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.

H. OFFSITE TRACKING

1. STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROVIDED TO REDUCE SEDIMENT TRACKING OFFSITE. THE MAJOR ROAD CONNECTED TO THE PROJECT SHALL BE CLEANED ONCE A DAY TO REMOVE ANY EXCESS MUD, DIRT OR ROCK RESULTING FROM CONSTRUCTION TRAFFIC. ALL TRUCKS HAULING MATERIALS OFFSITE SHALL BE COVERED WITH A TARPAULIN.
2. GENERAL CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA, EMPLOYEE PARKING AREA, AND AREA FOR LOCATION PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIES. HEAVY CONSTRUCTION EQUIPMENT PARKING AND MAINTENANCE AREAS SHALL BE DESIGNED TO PREVENT OIL, GREASE, AND LUBRICANTS FROM ENTERING SITE DRAINAGE FEATURES INCLUDING STORMWATER COLLECTION AND TREATMENT SYSTEMS. CONTRACTORS SHALL PROVIDE BROAD DIKES, HAY BALES OR SILT SCREENS AROUND, AND SEDIMENT SUMPS WITHIN, SUCH AREAS AS REQUIRED TO CONTAIN SPILLS OF OIL, GREASE OR LUBRICANTS. CONTRACTORS SHALL HAVE AVAILABLE, AND SHALL USE, ABSORBENT FILTER PADS TO CLEAN UP SPILLS AS SOON AS POSSIBLE AFTER OCCURENCE.
3. ALL WASH WATER FROM CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC. SHALL BE DETAINED ON SITE AND SHALL BE PROPERLY TREATED OR DISPOSED.
4. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE.
5. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.

I. MAINTENANCE

1. ALL MEASURES STATED ON THIS EROSION AND SEDIMENT CONTROL PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A 0.5" RAINFALL EVENT, AND CLEANED AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:
   a. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING, OR DETERIORATION.
   b. ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED, AND RESEEDED AS NEEDED.
   c. THE COMPOST ROCK FILTRATION DEVICE SHALL BE INSPECTED PERIODICALLY FOR HEIGHT OF SEDIMENT AND CONDITION OF DEVICE. COMPOST SOCK SHALL BE REPAIRED TO ITS ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE COMPOST SOCK WHEN IT REACHES ONE–THIRD THE HEIGHT OF THE COMPOST SOCK.
   d. THE CONSTRUCTION ENTRANCES SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS–OF–WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION ENTRANCES AS CONDITIONS DEMAND.
   e. THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AS CONDITIONS DEMAND.
   f. OUTLET STRUCTURES IN THE SEDIMENTATION BASINS SHALL BE MAINTAINED IN OPERATIONAL CONDITIONS AT ALL TIMES. THE SEDIMENT BASINS/DITCHES SHALL BE CHECKED MONTHLY FOR DEPTH OF SEDIMENT. SEDIMENT SHALL BE REMOVED FROM SEDIMENT BASINS OR TRAPS WHEN THE DESIGN CAPACITY HAS BEEN REDUCED BY 10% AND AFTER CONSTRUCTION IS COMPLETE.
   g. ALL MAINTENANCE OPERATIONS SHALL BE DONE IN A TIMELY MANNER BUT IN NO CASE LATER THAN SEVEN CALENDAR DAYS FOLLOWING THE INSPECTION.DIVERSION DIKES SHALL BE INSPECTED MONTHLY. ANY BREACHES SHALL BE PROMPTLY REPAIRED.
   h. A MAINTENANCE REPORT SHALL BE COMPLETED DAILY AFTER EACH INSPECTION OF THE SEDIMENT AND EROSION CONTROL METHODS. THE REPORTS SHALL BE FILED IN AN ORGANIZED MANNER AND RETAINED ON–SITE DURING CONSTRUCTION. AFTER CONSTRUCTION IS COMPLETED, THE REPORTS SHALL BE SAVED FOR AT LEAST THREE YEARS. THE REPORTS SHALL BE AVAILABLE FOR ANY AGENCY THAT HAS JURISDICTION OVER EROSION CONTROL.
   i. ALL REPAIRS MUST BE MADE WITHIN 24 HOURS OF REPORT.
   j. THE SUPERINTENDENT SHALL ORGANIZE THE TRAINING FOR INSPECTION PROCEDURES AND PROPER EROSION CONTROL METHODS FOR EMPLOYEES THAT COMPLETE INSPECTIONS AND REPORTS.
   k. SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE–HALF THE HEIGHT OF THE SILT FENCE.
2. THE EROSION CONTROL FEATURES INSTALLED BY THE CONTRACTOR SHALL BE ACCEPTABLY MAINTAINED BY THE CONTRACTOR DURING THE CONSTRUCTION PERIOD.

J. SPILL PREVENTION AND CONTROL

THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF.

1. GOOD HOUSEKEEPING
   a. SUPERINTENDENT SHALL INSPECT PROJECT AREA DAILY FOR PROPER STORAGE, USE, AND DISPOSAL OF CONSTRUCTION MATERIALS.
   b. STORE ONLY ENOUGH MATERIAL ON SITE FOR PROJECT COMPLETION.
   c. ALL SUBSTANCES SHOULD BE USED BEFORE DISPOSAL OF CONTAINER.
   d. ALL CONSTRUCTION MATERIALS STORED SHALL BE ORGANIZED AND IN THE PROPER CONTAINER AND IF POSSIBLE, STORED UNDER A ROOF OR PROTECTIVE COVER.
   e. PRODUCTS SHALL NOT BE MIXED UNLESS DIRECTED BY THE MANUFACTURER.
   f. ALL PRODUCTS SHALL BE USED AND DISPOSED OF ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.
   g. PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL.
2. HAZARDOUS PRODUCTS
   a. MATERIALS SHOULD BE KEPT IN ORIGINAL CONTAINER WITH LABELS UNLESS THE ORIGINAL CONTAINERS CANNOT BE RESEALED. IF ORIGINAL CONTAINERS CANNOT BE USED, LABELS AND PRODUCT INFORMATION SHALL BE SAVED.
   b. PROPER DISPOSAL PRACTICES SHALL ALWAYS BE FOLLOWED IN ACCORDANCE WITH MANUFACTURER AND LOCAL/STATE REGULATIONS.
3. PRODUCT SPECIFIC PRACTICES
   a. PETROLEUM PRODUCTS MUST BE STORED IN PROPER CONTAINERS AND CLEARLY LABELED. VEHICLES CONTAINING PETROLEUM PRODUCTS SHALL BE PERIODICALLY INSPECTED FOR LEAKS. PRECAUTIONS SHALL BE TAKEN TO AVOID LEAKAGE OF PETROLEUM PRODUCTS ON SITE.
   b. THE MINIMUM AMOUNT OF FERTILIZER SHALL BE USED AND MIXED INTO THE SOIL IN ORDER TO LIMIT EXPOSURE TO STORM WATER. FERTILIZERS SHALL BE STORED IN A COVERED SHED. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER SHALL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.
   c. PAINT CONTAINERS SHALL BE SEALED AND STORED WHEN NOT IN USE. EXCESS PAINT MUST BE DISPOSED OF IN AN APPROVED MANNER.
   d. EXCESS PAINT WILL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURER'S INSTRUCTIONS OR STATE AND LOCAL REGULATIONS.
   e. CONCRETE TRUCKS SHALL NOT BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON THE SITE.

K. SPILL CLEAN UP

1. IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED ABOVE, THE FOLLOWING PRACTICES SHALL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:
   a. SPILL CLEANUP INFORMATION SHALL BE POSTED ON SITE TO INFORM EMPLOYEES ABOUT CLEANUP PROCEDURES AND RESOURCES.
   b. THE FOLLOWING CLEAN–UP EQUIPMENT MUST BE KEPT ON–SITE NEAR THE MATERIAL STORAGE AREA: GLOVES, MOPS, RAGS, BROOMS, DUST PANS, SAND, SAWDUST, LIQUID ABSORBER, GOGGLES, AND TRASH CONTAINERS.
   c. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ONSITE AND READILY AVAILABLE TO CONTAIN AND CLEAN–UP FUEL OR CHEMICAL SPILLS AND LEAKS.
   d. ALL SPILLS SHALL BE CLEANED UP AS SOON AS POSSIBLE.
   e. WHEN CLEANING A SPILL, THE AREA SHOULD BE WELL VENTILATED AND THE EMPLOYEE SHALL WEAR PROPER PROTECTIVE COVERING TO PREVENT INJURY.
   f. TOXIC SPILLS MUST BE REPORTED TO THE PROPER AUTHORITY REGARDLESS OF THE SIZE OF THE SPILL.
   g. AFTER A SPILL, THE PREVENTION PLAN SHALL BE REVIEWED AND CHANGED TO PREVENT FURTHER SIMILAR SPILLS FROM OCCURRING. THE CAUSE OF THE SPILL, MEASURES TO PREVENT IT, AND HOW TO CLEAN THE SPILL UP SHALL BE RECORDED.
   h. THE SUPERINTENDENT SHALL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR AND IS RESPONSIBLE FOR THE DAY TO DAY SITE OPERATIONS. THE SUPERINTENDENT ALSO OVERSEES THE SPILL PREVENTION PLAN AND SHALL BE RESPONSIBLE FOR EDUCATING THE EMPLOYEES ABOUT SPILL PREVENTION AND CLEANUP PROCEDURES.

L. SEQUENCE OF CONSTRUCTION

1. UPON IMPLEMENTATION AND INSTALLATION OF THE FOLLOWING AREAS: TRAILER, PARKING, LAY DOWN, PORTA–POTTY, WHEEL WASH, CONCRETE WASHOUT, FUEL AND MATERIAL STORAGE CONTAINERS, SOLID WASTE CONTAINERS, ETC., IMMEDIATELY DENOTE THEM ON THE SITE MAPS AND NOTE ANY CHANGES IN LOCATION AS THEY OCCUR THROUGHOUT THE CONSTRUCTION PROCESS.
   a. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE, AND INSTALL INLET PROTECTION, TURBIDITY BARRIERS, AND SILT FENCE
   b. DEMOLISH EXISTING STRUCTURES, (IF APPLICABLE)
   c. INSTALL AND STABILIZE ANY NECESSARY HYDRAULIC CONTROL STRUCTURES (DIKES, CHECK DAMS, OUTLET TRAPS, ETC.)
   d. PREPARE CLEARING AND GRUBBING OF THE SITE, (IF APPLICABLE)
   e. PERFORM MASS GRADING, ROUGH GRADE TO ESTABLISH PROPOSED DRAINAGE PATTERNS
   f. TEMPORARILY SEED, THROUGHOUT CONSTRUCTION, DISTURBED AREAS THAT WILL BE INACTIVE FOR 7 DAYS OR MORE AS REQUIRED BY GENERIC PERMIT
2. IN THE EVENT OF BMP ISSUES, HALT ALL ACTIVITIES AND CONTACT THE CIVIL ENGINEER CONSULTANT TO PERFORM INSPECTION AND CERTIFICATION OF BMPS. GENERAL CONTRACTOR SHALL SCHEDULE AND CONDUCT STORM WATER PRE–CONSTRUCTION MEETING WITH ENGINEER AND ALL GROUND DISTURBING CONTRACTORS BEFORE PROCEEDING WITH CONSTRUCTION.
3. CONTRACTOR TO BE RESPONSIBLE FOR OBTAINING ALL DEWATERING PERMITS NECESSARY FOR CONSTRUCTION.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG. It's fast. It's free. It's the law. www.callsunshine.com

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY–HORN AND ASSOCIATES, INC.

8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954–535–5100 FAX: 954–739–2247
WWW.KIMLEY–HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

DEMOLITION AND EROSION CONTROL NOTES

SAGA BAY DRAINAGE IMPROVEMENTS-EAST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C203.9

Plotted By: Beziner, Eliana Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C203.9 Demolition and Erosion Control Notes August 05, 2025 12:29:48pm K:\ftl_civil\043 jobs\043145105 saga bay drainage improvements\CAD\plansheets\C201.1 Demolition and Erosion Control Notes.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley–Horn and Associates, Inc. shall be without liability to Kimley–Horn and Associates, Inc.

Plotted By: Beziner, Eliana Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C203.10 Demolition and Erosion Control Details August 05, 2025 12:29:49pm K:\ftl_civil\043 jobs\043145105 saga bay drainage improvements\CAD\plansheets\C201.1 Demolition and Erosion Control Notes.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

NOTE:

1. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY.
2. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABLIZED.
3. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.

SILT FENCE DETAIL

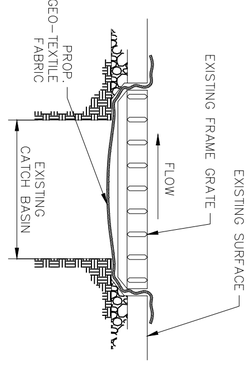
NOT TO SCALE

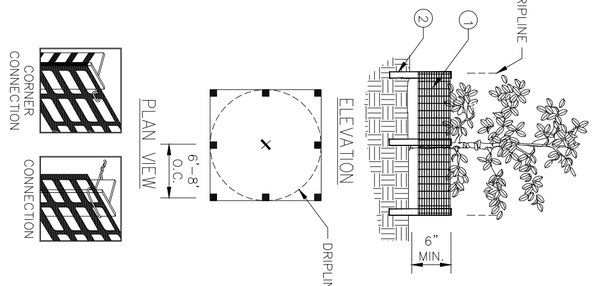
NOTES:

1. CONTRACTOR SHALL PERFORM DAILY INSPECTIONS OF GEO-TEXTILE FABRIC BARRIER AND AS NECESSARY REPLACE OR REPAIR AS REQUIRED. SPECIFICALLY AFTER STORM EVENTS AND LARGE RAINFALL EVENTS.
2. SEDIMENTATION AND DEBRIS THAT ARE REMOVED FROM BARRIERS SHALL BE LEGALLY DISPOSED OF AT AN AUTHORIZED OFF-SITE DISPOSAL FACILITY.

DROP INLET SEDIMENT BARRIER

NOT TO SCALE





TREE/SHRUB PROTECTION

NOT TO SCALE

1. 6'H "PERIMETER PLUS" CONSTRUCTION FENCE BY CONWED PLASTICS OR OWNER'S REPRESENTATIVE APPROVED EQUAL. SUBMIT PRODUCT INFORMATION FOR APPROVAL PRIOR TO INSTALLATION.
2. 8' TALL METAL "T" POSTS OR 2" x 2" X 8' PRESSURE TREATED WOOD POSTS WITH 24" BURIAL BELOW GRADE.

NOTES:

1. POST SELECTION SHOULD BE BASED ON EXPECTED STRENGTH NEEDS AND THE LENGTH OF TIME FENCE WILL BE IN PLACE. FLEXIBLE FIBERGLASS ROD POSTS ARE RECOMMENDED FOR PARKS, ATHLETIC EVENTS AND CROWD CONTROL INSTALLATIONS. METAL "T" POSTS OR TREATED WOOD POSTS ARE TYPICALLY USED FOR CONSTRUCTION AND OTHER APPLICATIONS.
2. POSTS SHOULD BE DRIVEN INTO THE GROUND TO A DEPTH OF 1/4 OF THE HEIGHT OF THE POST. FOR EXAMPLE, A 8' POST SHOULD BE SET AT LEAST 2' INTO THE GROUND.
3. SPACE POSTS EVERY 6' (MIN.) TO 8' (MAX.).
4. SECURE FENCING TO POST WITH NYLON CABLE TIES (AVAILABLE FROM CONWED PLASTICS). WOOD STRIPS MAY BE ALSO BE USED TO PROVIDE ADDITIONAL SUPPORT AND PROTECTION BETWEEN TIES AND POSTS.
5. IF WIRE TIES ARE USED, AVOID DIRECT CONTACT WITH FENCE. WIRE MAY DAMAGE FENCE OVER TIME

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

811 KNOW WHAT'S BELOW CALL BEFORE YOU DIG www.callsunshine.com

SHEET NUMBER C203.10

SAGA BAY DRAINAGE IMPROVEMENTS-EAST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

DEMOLITION AND EROSION CONTROL DETAILS

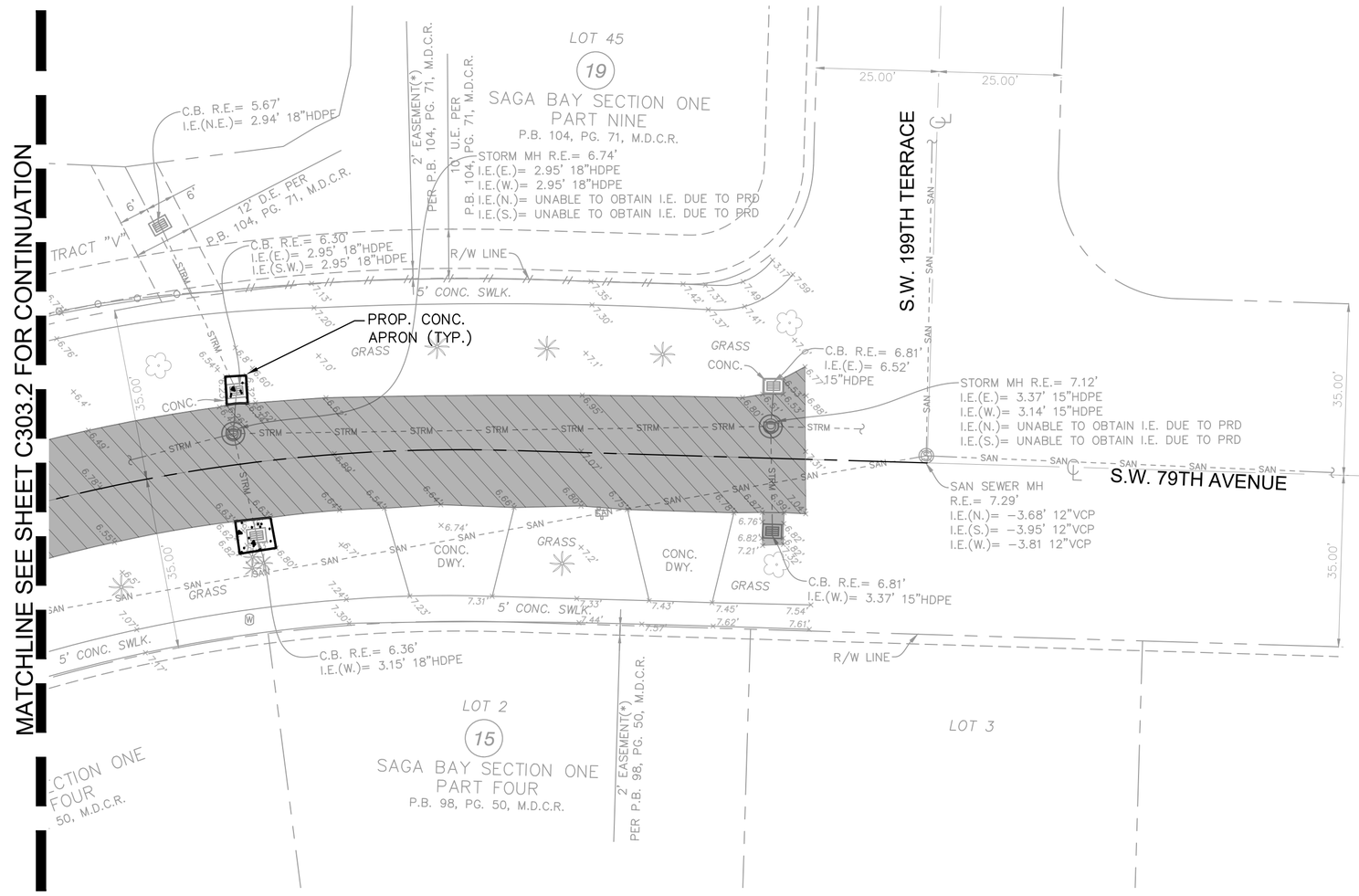
KHA PROJECT 043145105
DATE MAY 2025
SCALE AS SHOWN
DESIGNED BY TS
DRAWN BY DM
CHECKED BY SV

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE:

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

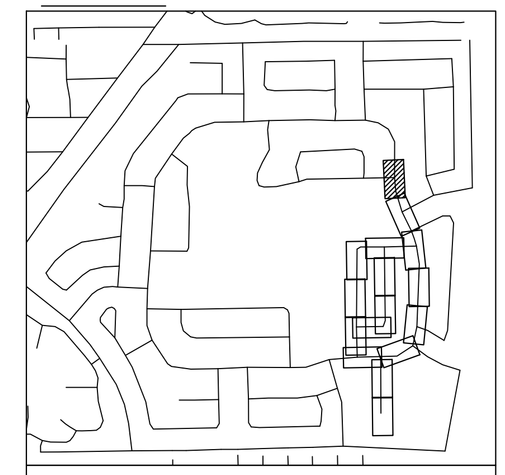
No.	REVISIONS	DATE	BY



NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON ★ LICENSE ★ No 85268 ★ STATE OF FLORIDA ★ PROFESSIONAL ENGINEER
DATE: [illegible]

KHA PROJECT 043145105
DATE MAY 2025
SCALE AS SHOWN
DESIGNED BY TS
DRAWN BY DM
CHECKED BY SV

PAVING GRADING AND DRAINAGE PLAN

SAGA BAY DRAINAGE IMPROVEMENTS-EAST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

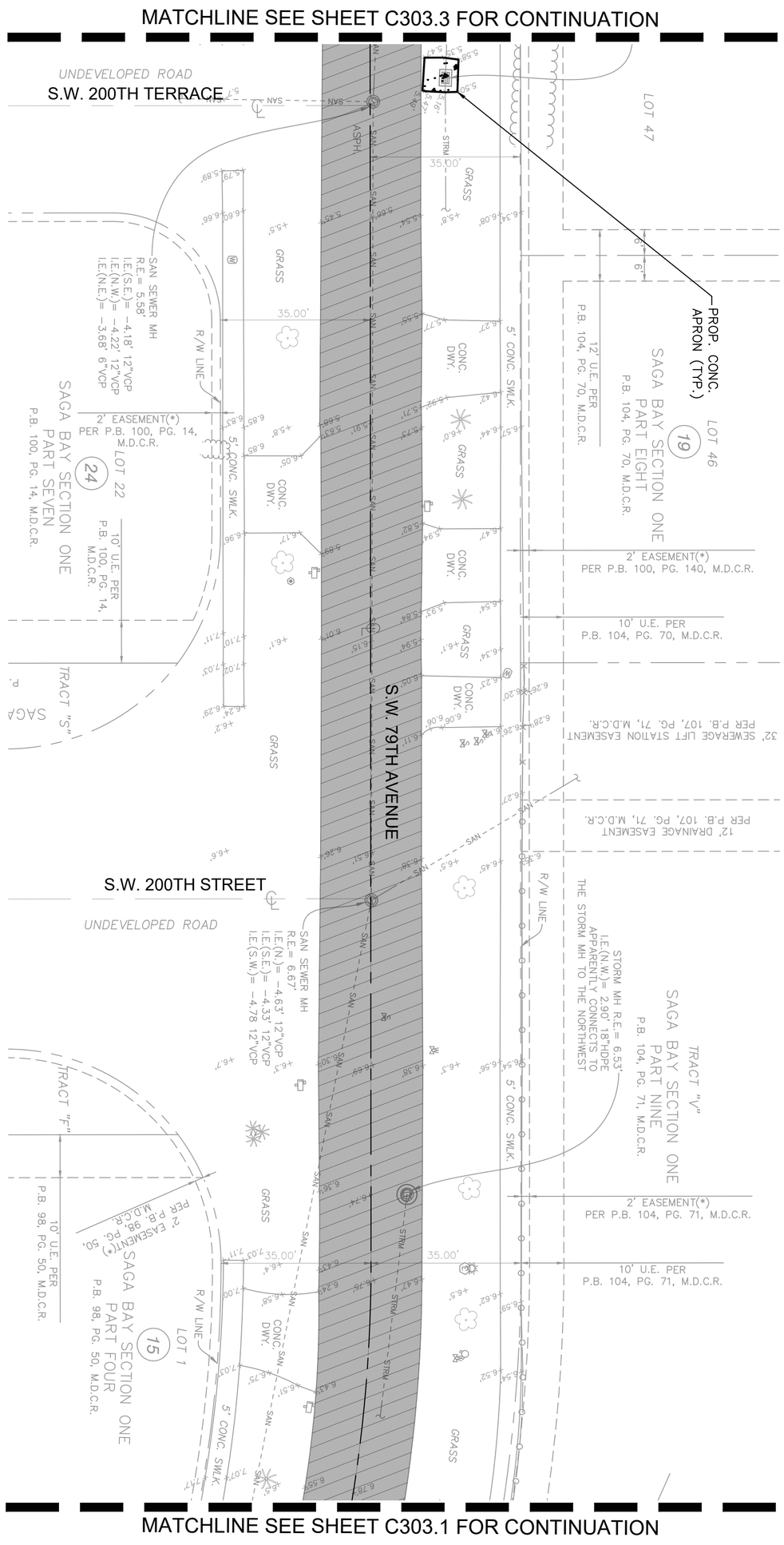
SHEET NUMBER
C303.1

Plotted By:Baptiste, Eliana Sheet Set:SAGA BAY DRAINAGE IMPROVEMENTS Layout:C303.1 Paving Grading and Drainage Plan August 05, 2025 - 12:30:12pm K:\Mi_ofc\Data\043_jobs\043145105_saga bay drainage improvements\CAD\plansheets\C300.1 Paving, Grading, and Drainage Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Town of Cutler Bay | ITB | No. 25-04
Saga Bay Stormwater Improvements Project
Page 303 of 329

Plotted By: Beziner, Eliana Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C303.2 Paving Grading and Drainage Plan August 05, 2025 12:30:20pm K:\ftl_civil\043 jobs\043145105 saga bay drainage improvements\CAD\plansheets\C300.1 Paving, Grading, and Drainage Plan.dwg

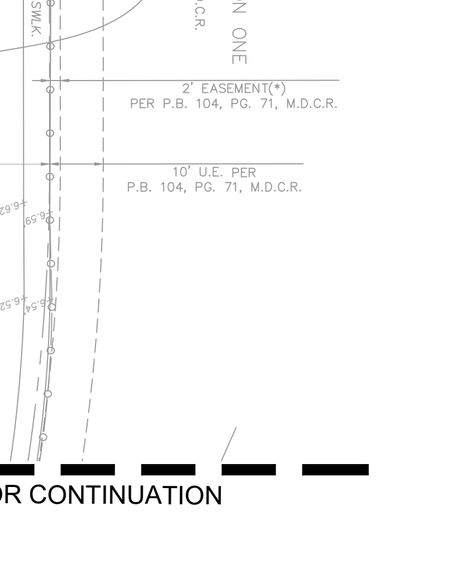
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



GRAPHIC SCALE IN FEET
0 10 20 40

NORTH

KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.

811 Know what's below. Call before you dig. www.callsunshine.com

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

SHEET NUMBER C303.2

SAGA BAY DRAINAGE IMPROVEMENTS-EAST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

PAVING GRADING AND DRAINAGE PLAN

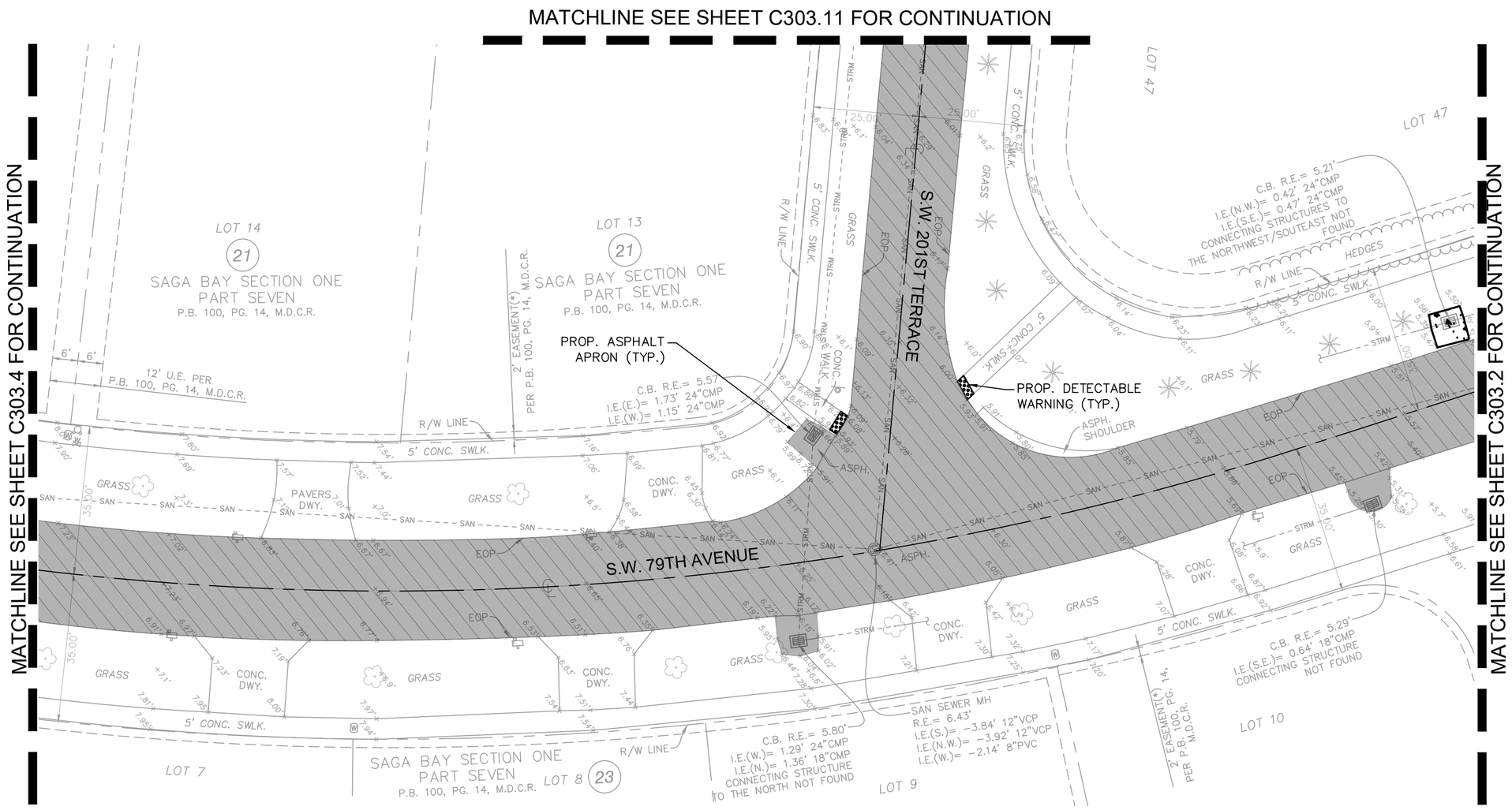
KHA PROJECT 043145105
DATE MAY 2025
SCALE AS SHOWN
DESIGNED BY TS
DRAWN BY DM
CHECKED BY SV

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: 8/5/2025

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

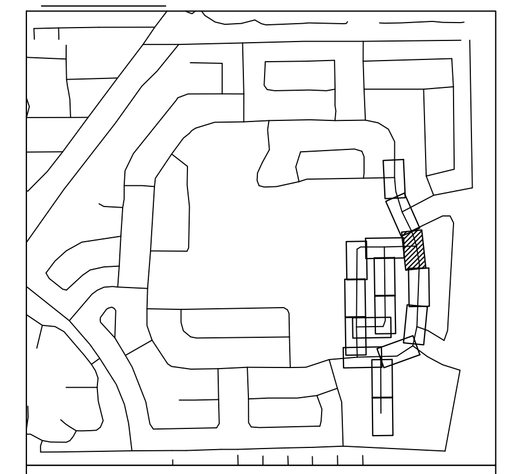
No.	REVISIONS	DATE	BY



NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.

KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
www.callsunshine.com

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON
No 85268
STATE OF FLORIDA
PROFESSIONAL ENGINEER
DATE:

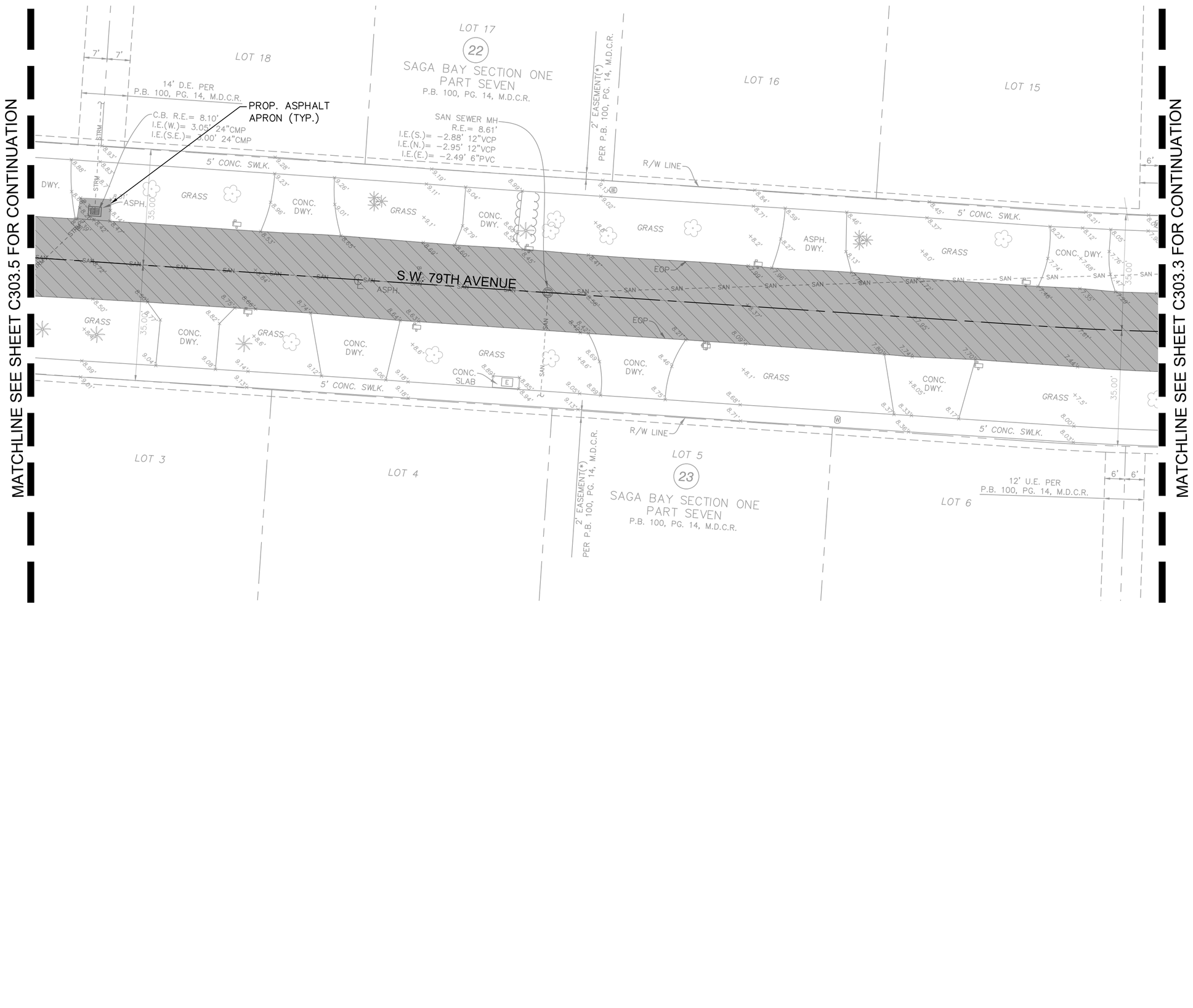
KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

PAVING GRADING AND DRAINAGE PLAN

SAGA BAY DRAINAGE IMPROVEMENTS-EAST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C303.3

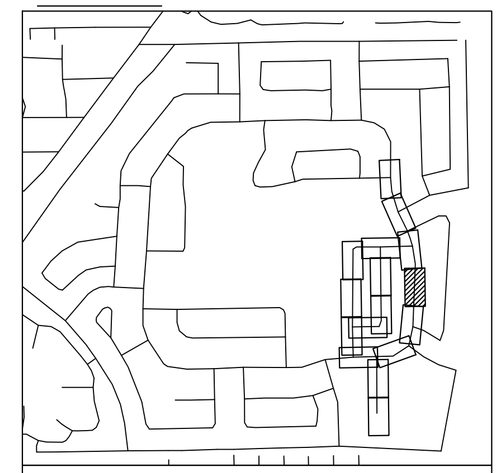
Plotted By:Raphael Filipe Sheet Set:SAGA BAY DRAINAGE IMPROVEMENTS Layout:C303.3 Paving Grading and Drainage Plan August 06, 2025 12:30:30pm K:\MI_civil\043_jobs\043145105_saga bay drainage improvements\CAD\sheetsets\C400.1 Paving, Grading and Drainage Plans.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.

KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
www.callbeforeyoudig.com

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON FLORIDA LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: 10/1/2025

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

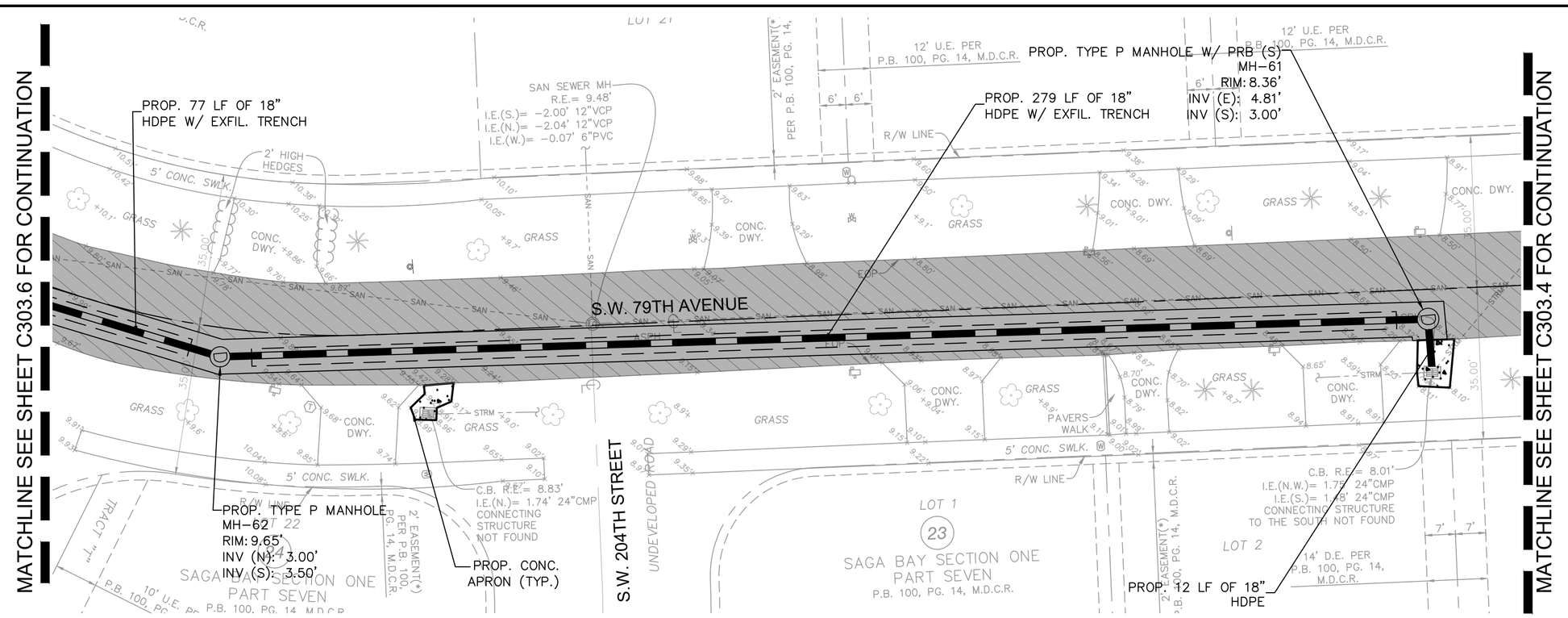
PAVING GRADING AND DRAINAGE PLAN

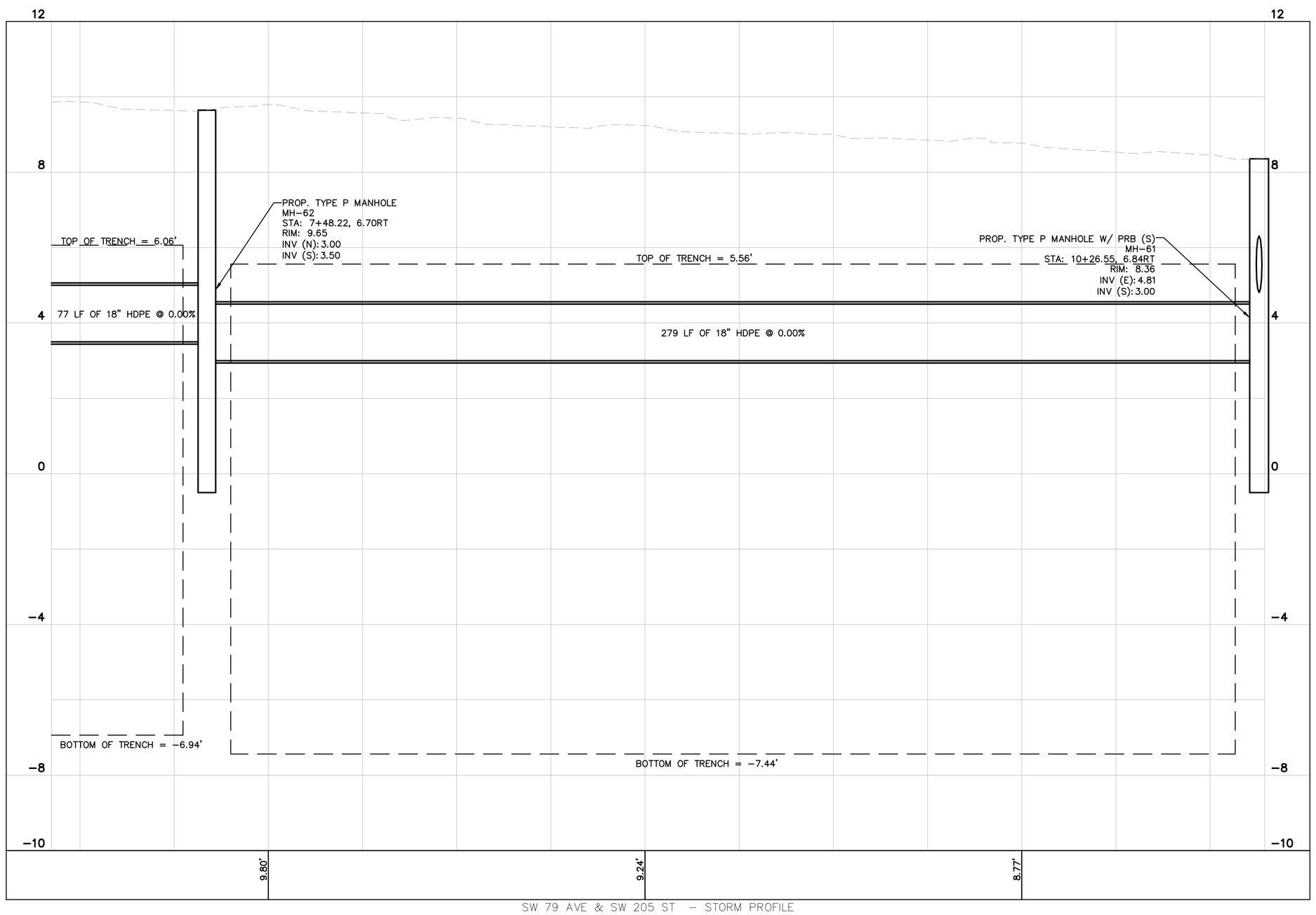
SAGA BAY DRAINAGE IMPROVEMENTS-EAST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C303.4

Plotted By:Raphael Filpo Sheet Set:SAGA BAY DRAINAGE IMPROVEMENTS Layout:C303.4 Paving Grading and Drainage Plan August 06, 2025 12:30:40pm K:\MI_civil\043_jobs\043145105_saga bay drainage improvements\CAD\plansheets\C400.1 Paving, Grading and Drainage Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Town of Cutler Bay | ITB No. 25-04
Saga Bay Drainage Improvements
Page 326 of 329
Packet Pg. 326
Attachment: Exhibit A (ITB 25-04 Saga Bay Drainage Improvements)

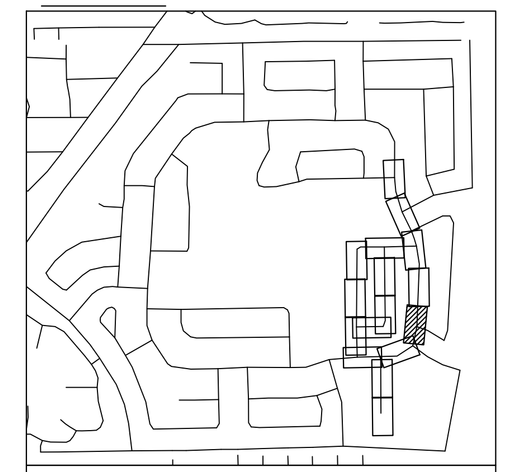




SW 79 AVE & SW 205 ST - STORM PROFILE
STA 542' TO STA 865'
1"=20' (HORZ.)
1"=2' (VERT)

GRAPHIC SCALE IN FEET
0 10 20 40

KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON ★ LICENSE No 85268 ★ STATE OF FLORIDA ★ PROFESSIONAL ENGINEER
DATE: 10/31/2025

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

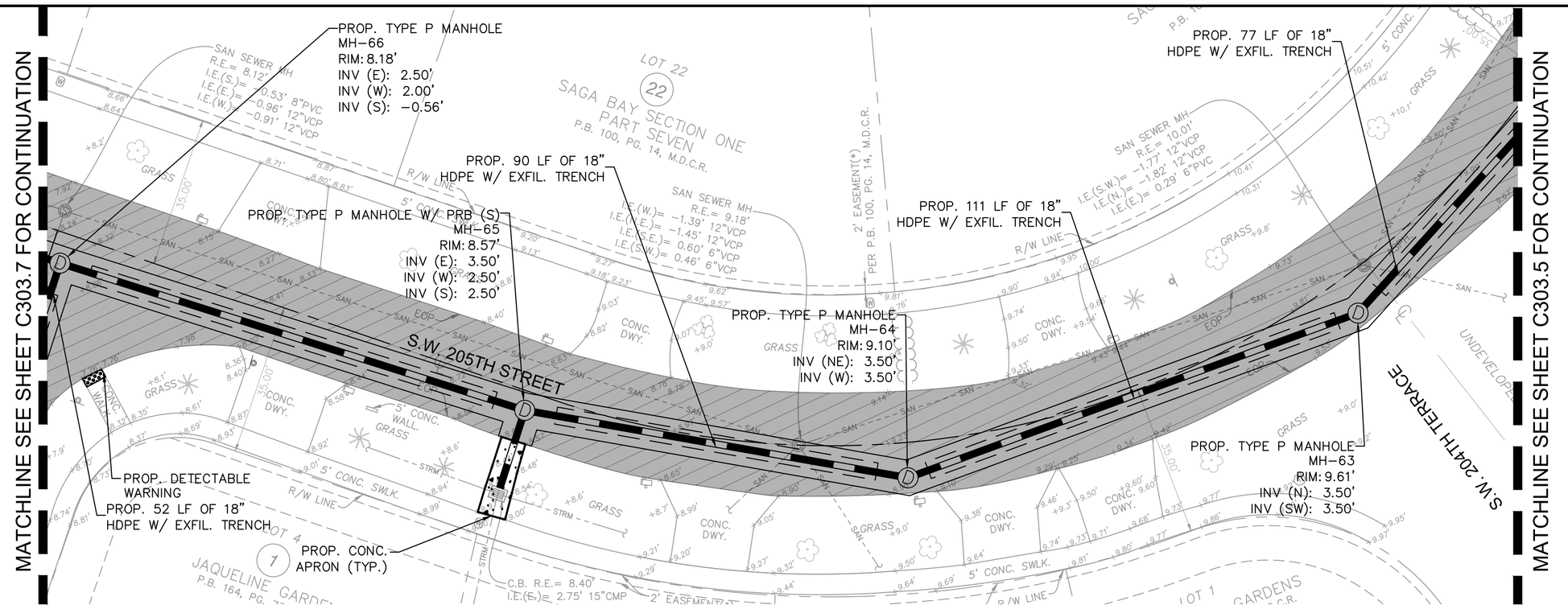
PAVING GRADING AND DRAINAGE PLAN

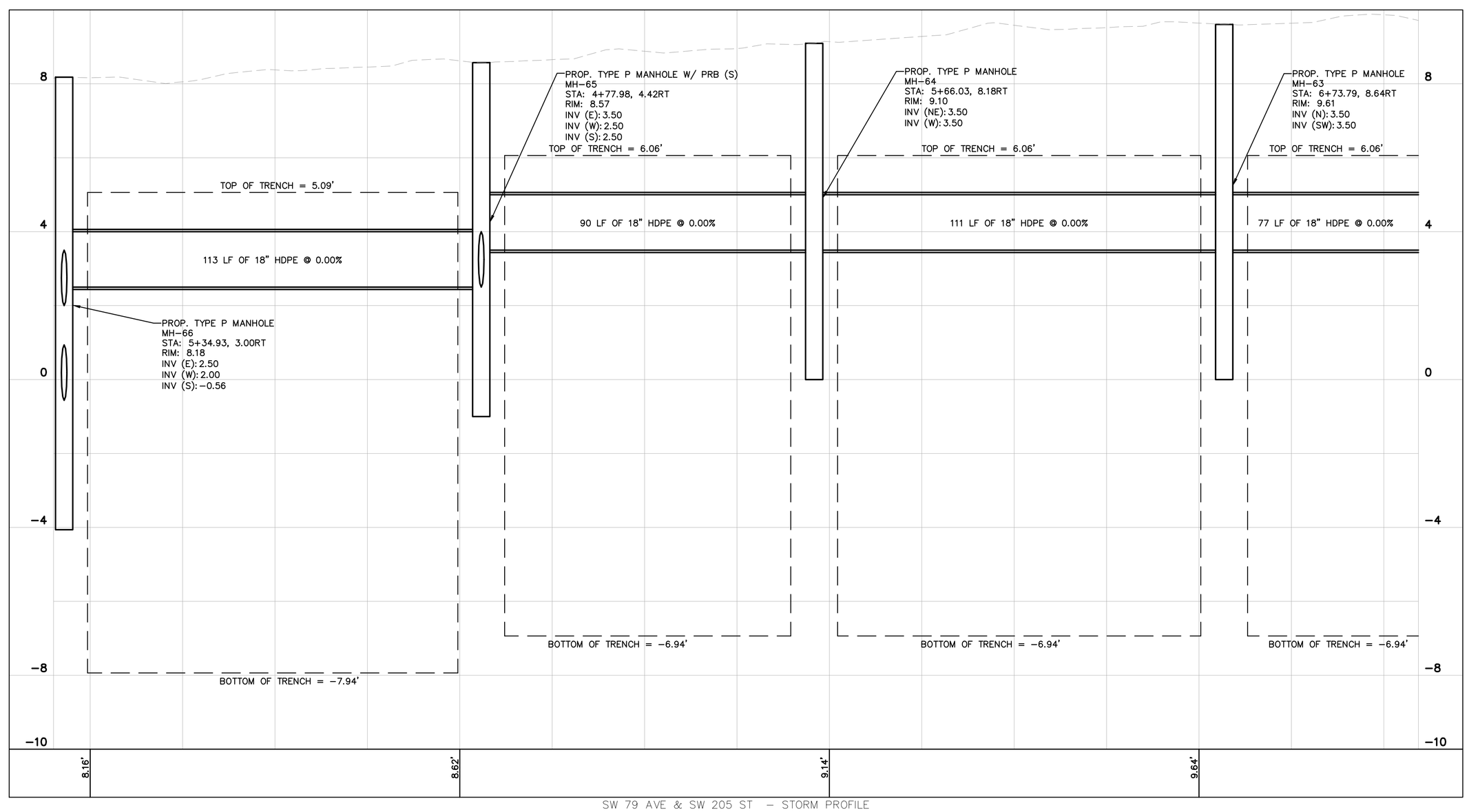
SAGA BAY DRAINAGE IMPROVEMENTS-EAST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C303.5

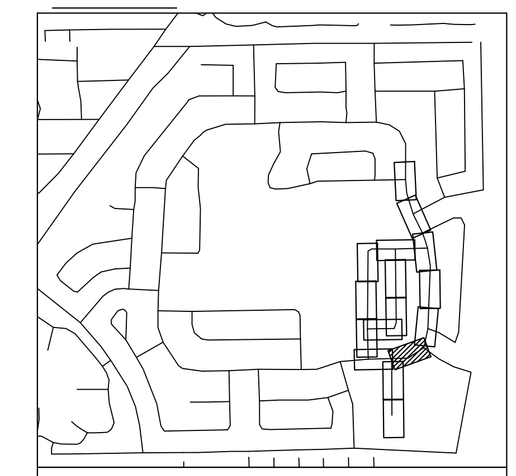
KNOW WHAT'S BELOW CALL 811 BEFORE YOU DIG
811 Sunshine 811 It's free. It's the law. It's the law.
www.callsunshine.com

Plotted By: Rodriguez, Eliana Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C303.5 Paving, Grading and Drainage Plan August 05, 2025 12:30:52pm K:\MIA_civil\043145105 saga bay drainage improvements\CAD\plansheets\C300.1 Paving, Grading and Drainage Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.





SW 79 AVE & SW 205 ST – STORM PROFILE
STA 190' TO STA 559'
1"=20' (HORZ.)
1"=2' (VERT)



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: 12/31/2025

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

PAVING GRADING AND DRAINAGE PLAN

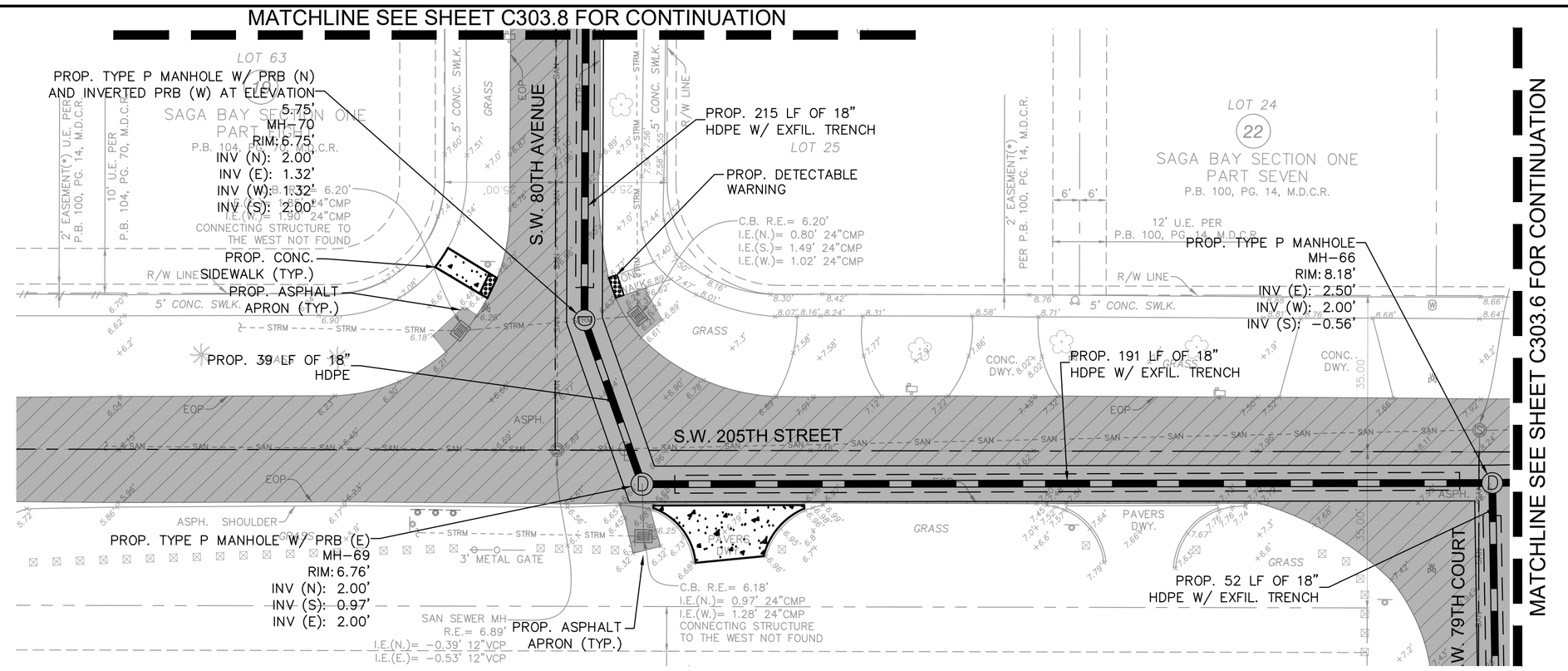
SAGA BAY DRAINAGE IMPROVEMENTS-EAST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

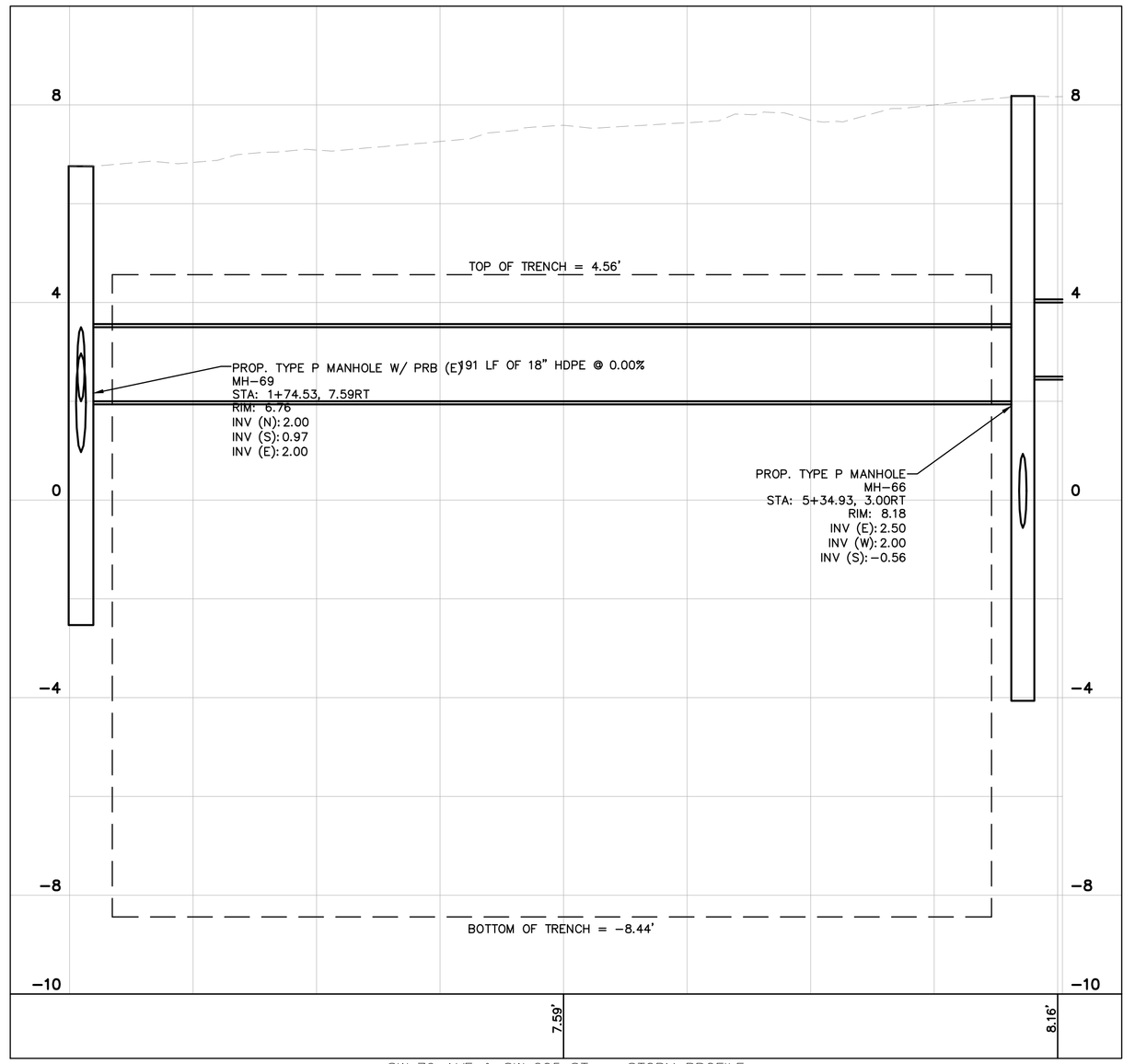
SHEET NUMBER
C303.6

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG www.callbeforeyoudig.com

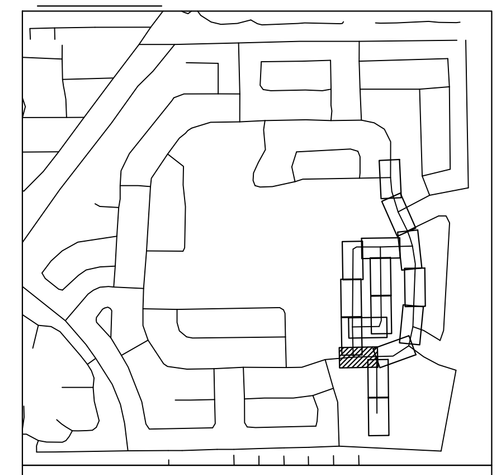
Plotted By: Brahmer, Elianne Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C303 & Paving Grading and Drainage Plan August 05, 2025 12:31:07pm K:\MI_miami\043145105 saga bay drainage improvements\CAD\plotsheet\C300.1 Paving, Grading, and Drainage Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Town of Cutler Bay | ITB No. 25-04
Saga Bay Drainage Improvements Project
Page 308 of 320





SW 79 AVE & SW 205 ST – STORM PROFILE
STA 0' TO STA 201'
1"=20' (HORZ.)
1"=2' (VERT)



NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.

KNOW WHAT'S BELOW CALL 811 BEFORE YOU DIG
811 Sunshine 811 Inc. It's the Law
www.callsunshine.com

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER

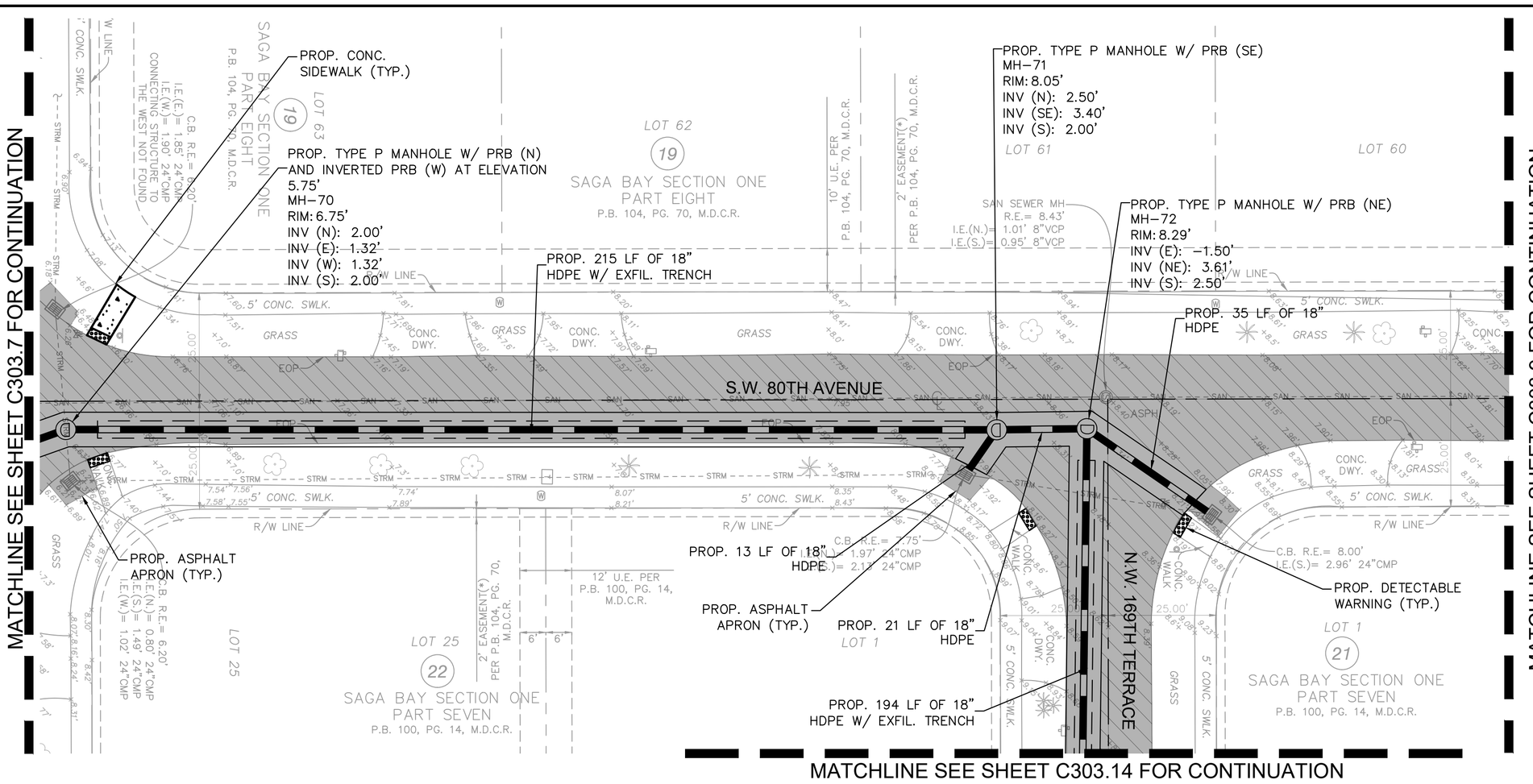
KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

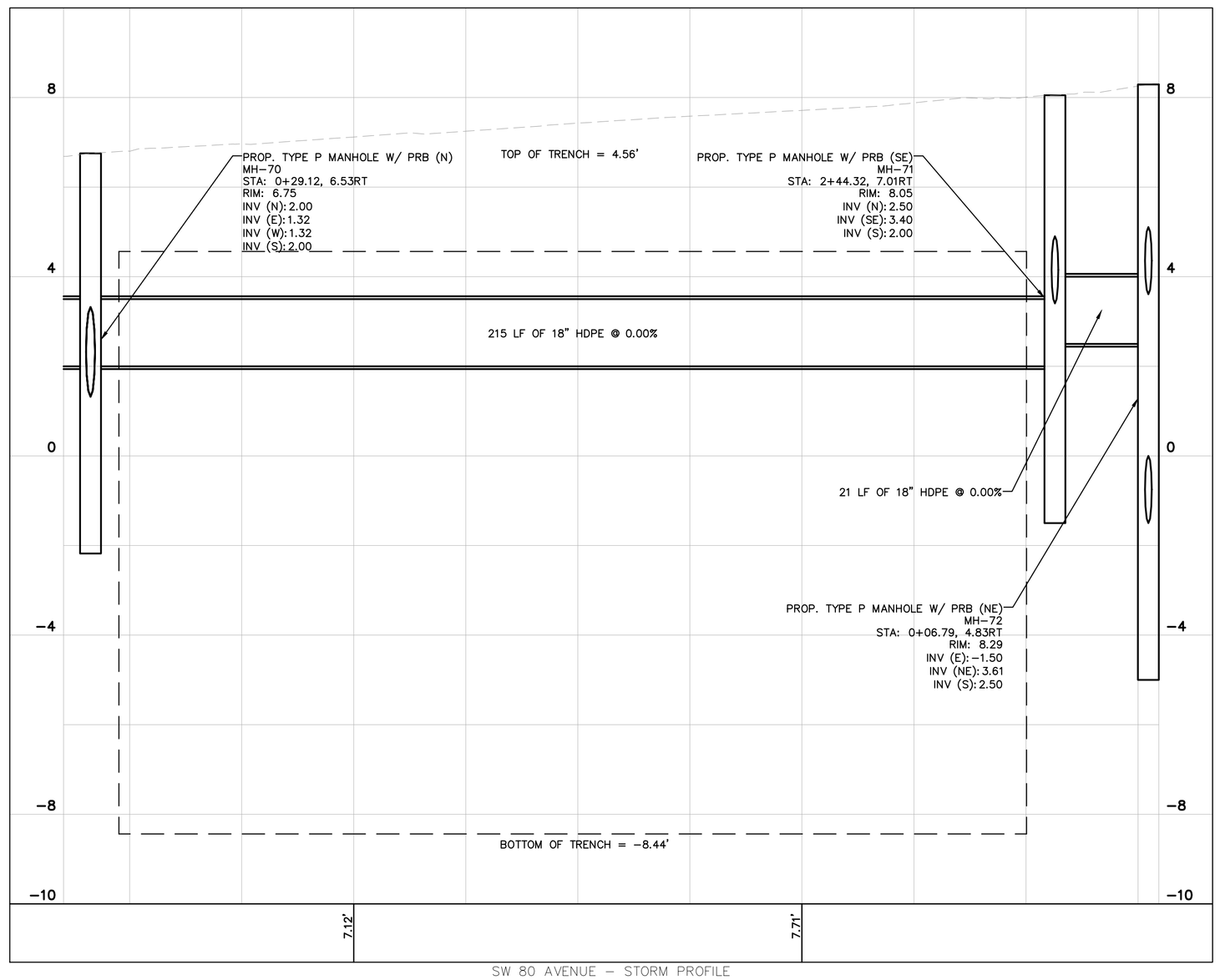
PAVING GRADING AND DRAINAGE PLAN

SAGA BAY DRAINAGE IMPROVEMENTS-EAST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C303.7

Plotted By: Rainier Flores, Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS, Layout: C303.7 Paving Grading and Drainage Plan, August 05, 2025 12:31:12pm, K:\Mi_ofc\Fl\043_Jobs\043145105_saga bay drainage improvements\CAD\plansheet\C300.1 Paving, Grading, and Drainage Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



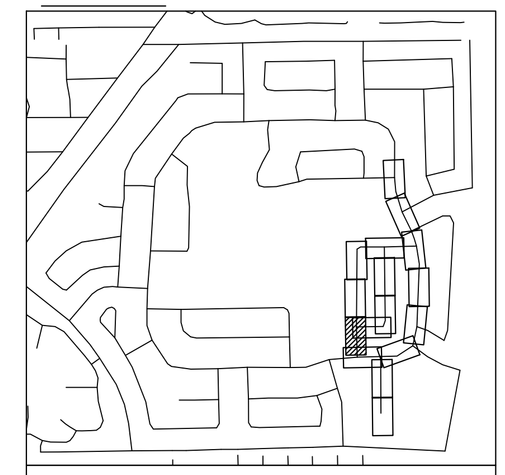


SW 80 AVENUE – STORM PROFILE
STA 35' TO STA 280'
1"=20' (HORZ.)
1"=2' (VERT)

NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.

KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG!
www.sunshine811.com

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER

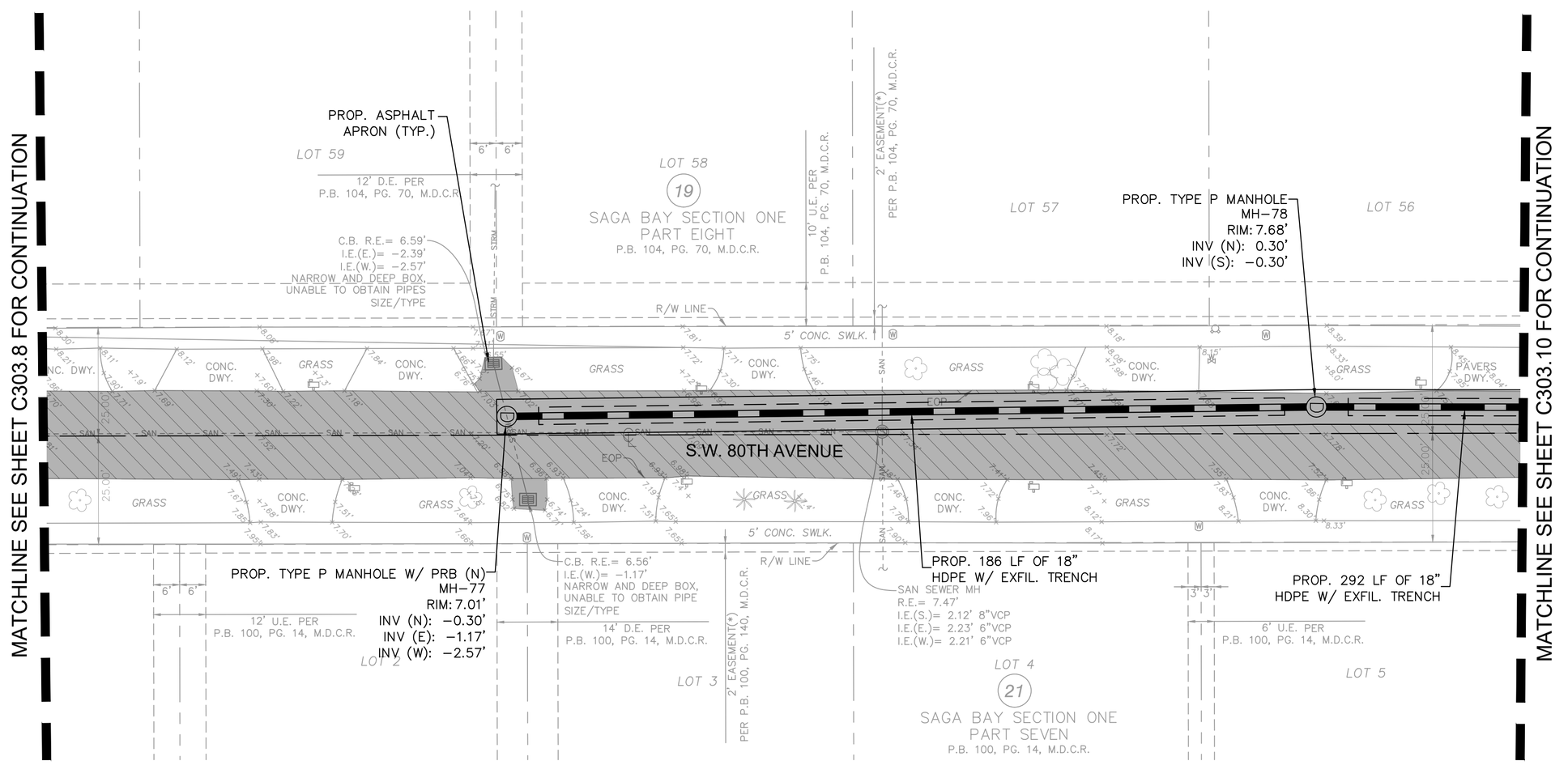
KHA PROJECT 043145105	
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

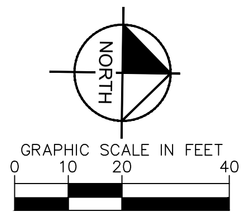
PAVING GRADING AND DRAINAGE PLAN

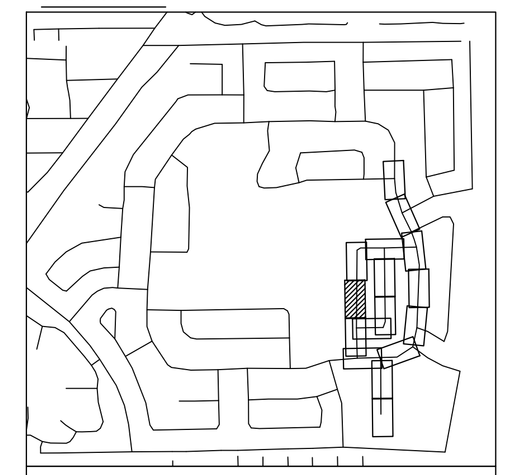
SAGA BAY DRAINAGE IMPROVEMENTS-EAST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C303.8

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.
Plotted By:Rainier, Filiza Sheet Set:SAGA BAY DRAINAGE IMPROVEMENTS Layout:C303.8 Paving Grading and Drainage Plan August 05, 2025 - 12:31:27pm K:\Mia_civil\043145105 saga bay drainage improvements\CAD\plansheets\C300.1 Paving, Grading, and Drainage Plan.dwg





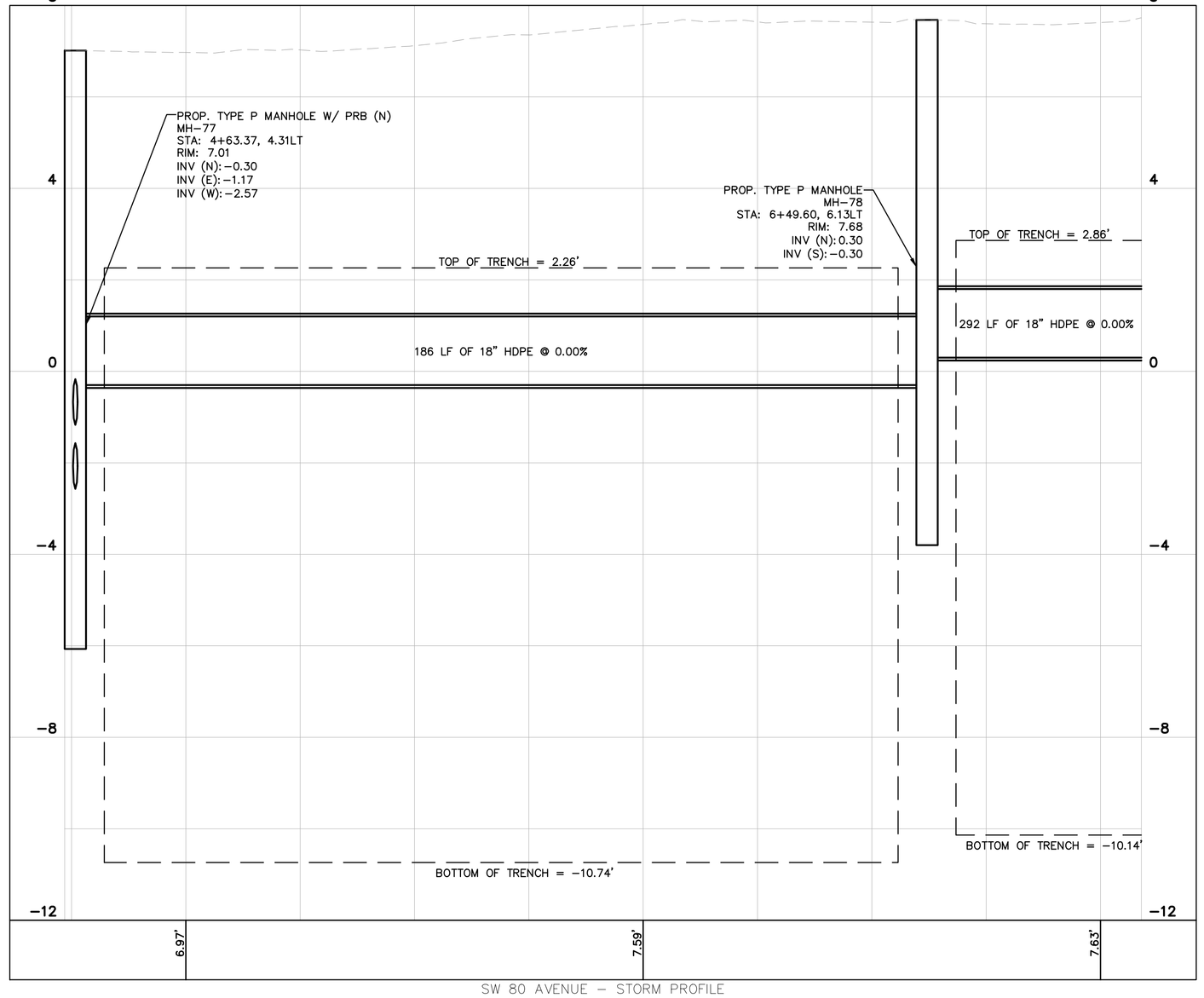


LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.



SW 80 AVENUE - STORM PROFILE
STA 473' TO STA 709'
1"=20' (HORZ.)
1"=2' (VERT)

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

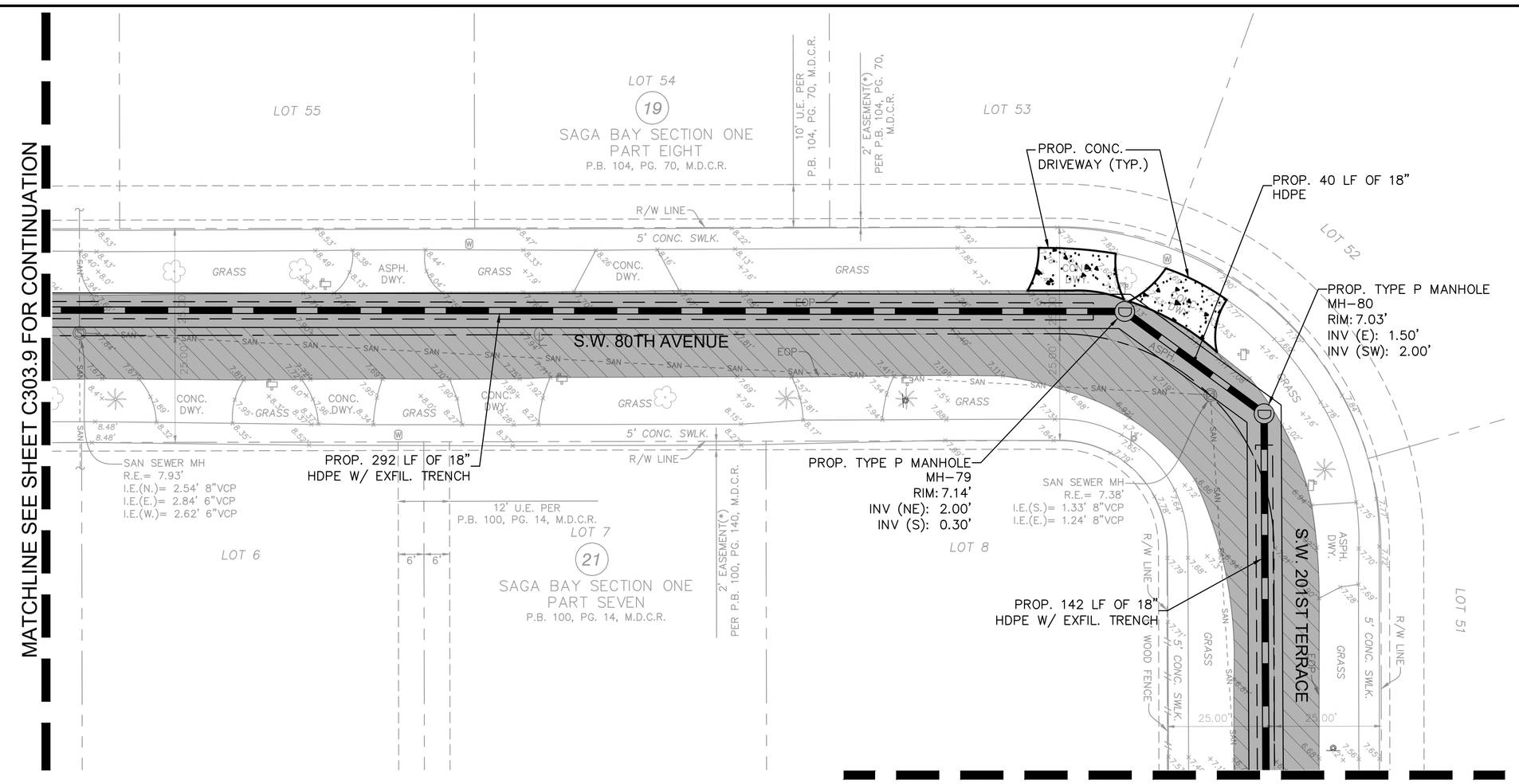
PAVING GRADING AND DRAINAGE PLAN

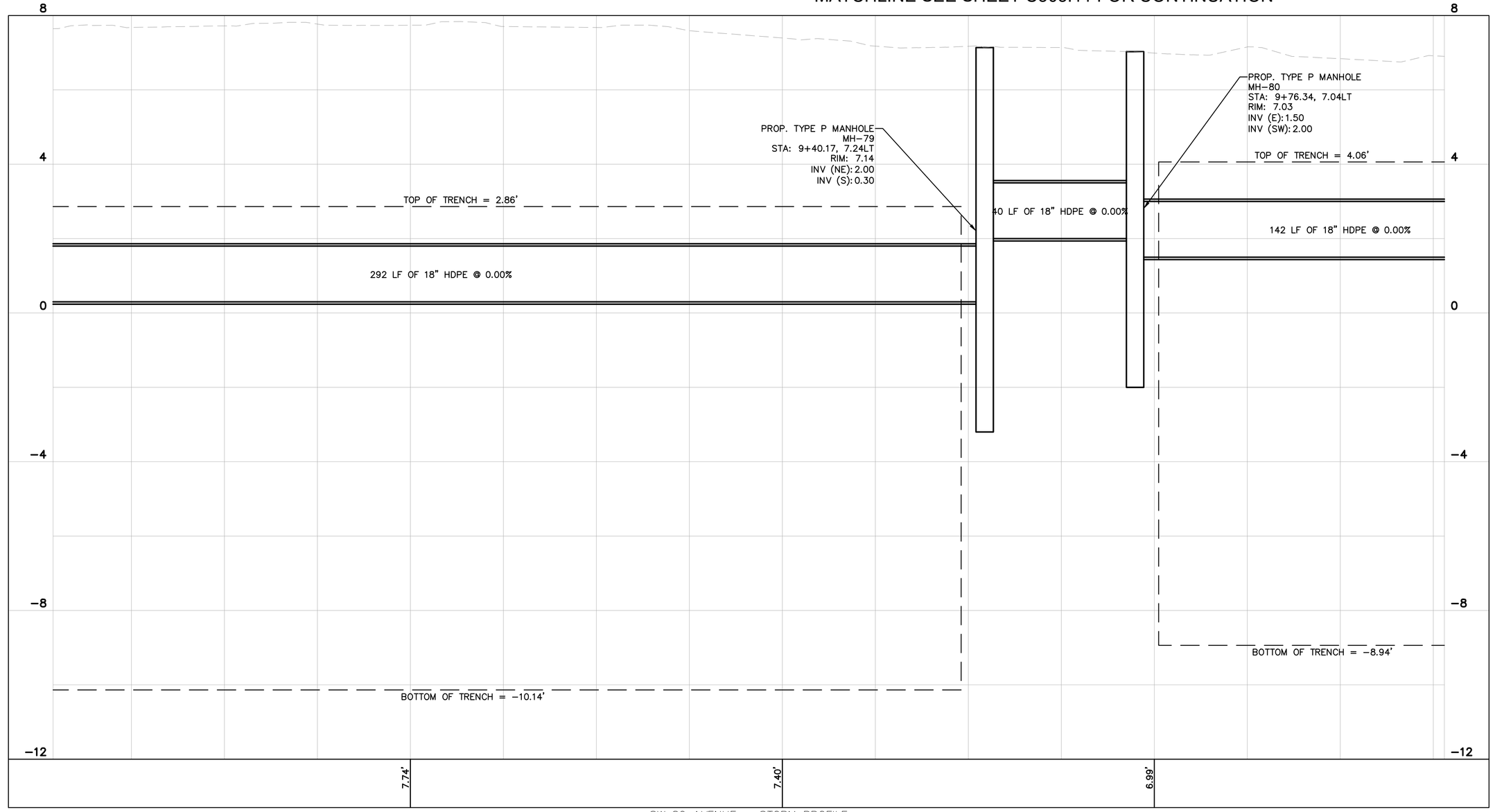
SAGA BAY DRAINAGE IMPROVEMENTS-EAST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C303.9

811 KNOW WHAT'S BELOW CALL OR CLICK BEFORE YOU DIG
It's fast, it's free, it's the law.
www.callsunshine.com

Plotted By: Rapinder Filone, Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS, Layout: C303.9 Paving Grading and Drainage Plan, August 05, 2025 12:31:32pm, K:\FLL_civil\043145105 - saga bay drainage improvements\CAD\plotsheets\C303.9 Paving Grading and Drainage Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

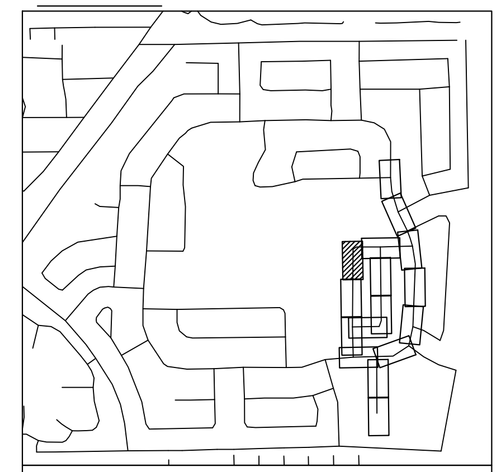




SW 80 AVENUE – STORM PROFILE
STA 704' TO STA 1078'
1"=20' (HORZ.)
1"=2' (VERT)

GRAPHIC SCALE IN FEET
0 10 20 40

KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

PAVING GRADING AND DRAINAGE PLAN

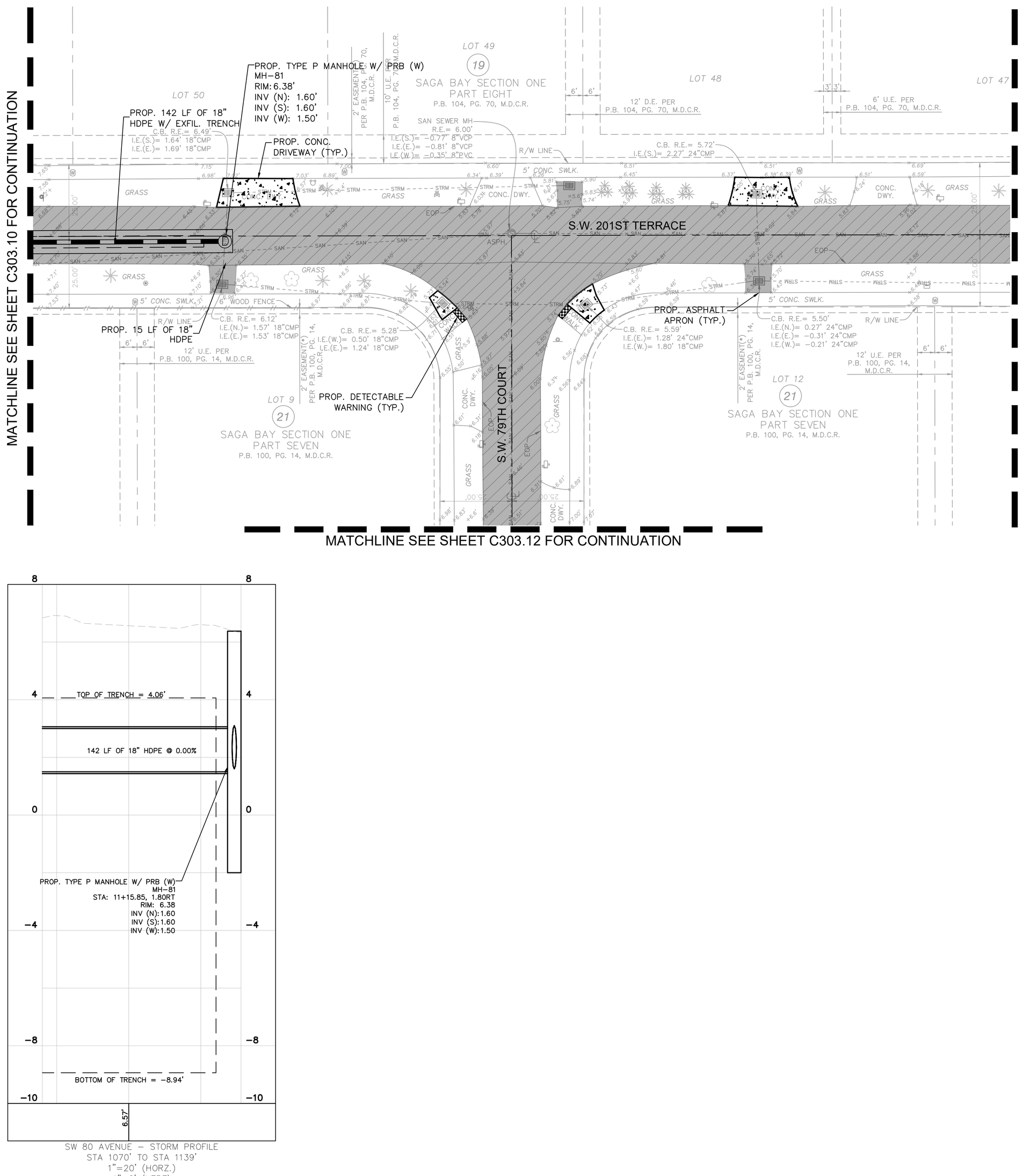
SAGA BAY DRAINAGE IMPROVEMENTS-EAST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C303.10

KNOW WHAT'S BELOW Call 811 BEFORE YOU DIG
It's fast, it's free, it's the law.
www.callsunshine.com

Plotted By: Rapinder Filipos Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C303.10 Paving, Grading and Drainage Plan August 05, 2025 12:31:42pm K:\HI...dig\043145105.saga bay drainage improvements\CAD\sheets\C300.1 Paving, Grading and Drainage Plan.dgn
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Town of Cutler Bay | ITB No. 25-04
Saga Bay Drainage Improvements Project
Page 9 of 329

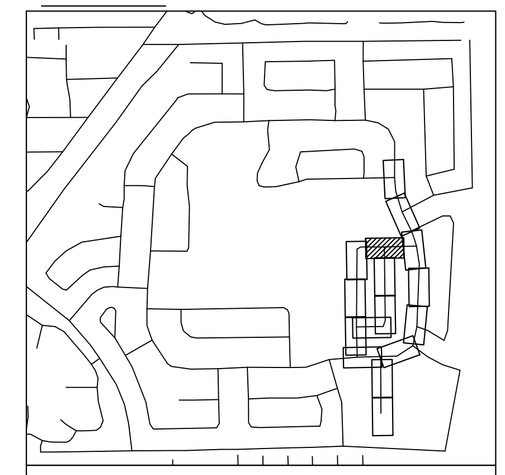


SW 80 AVENUE – STORM PROFILE
STA 1070' TO STA 1139'
1"=20' (HORZ.)
1"=2' (VERT)

NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.

KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG!
It's fast. It's free. It's the law.
www.sunshine811.com

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER

KHA PROJECT 043145105		
DATE MAY 2025		
SCALE	AS SHOWN	
DESIGNED BY	TS	
DRAWN BY	DM	
CHECKED BY	SV	

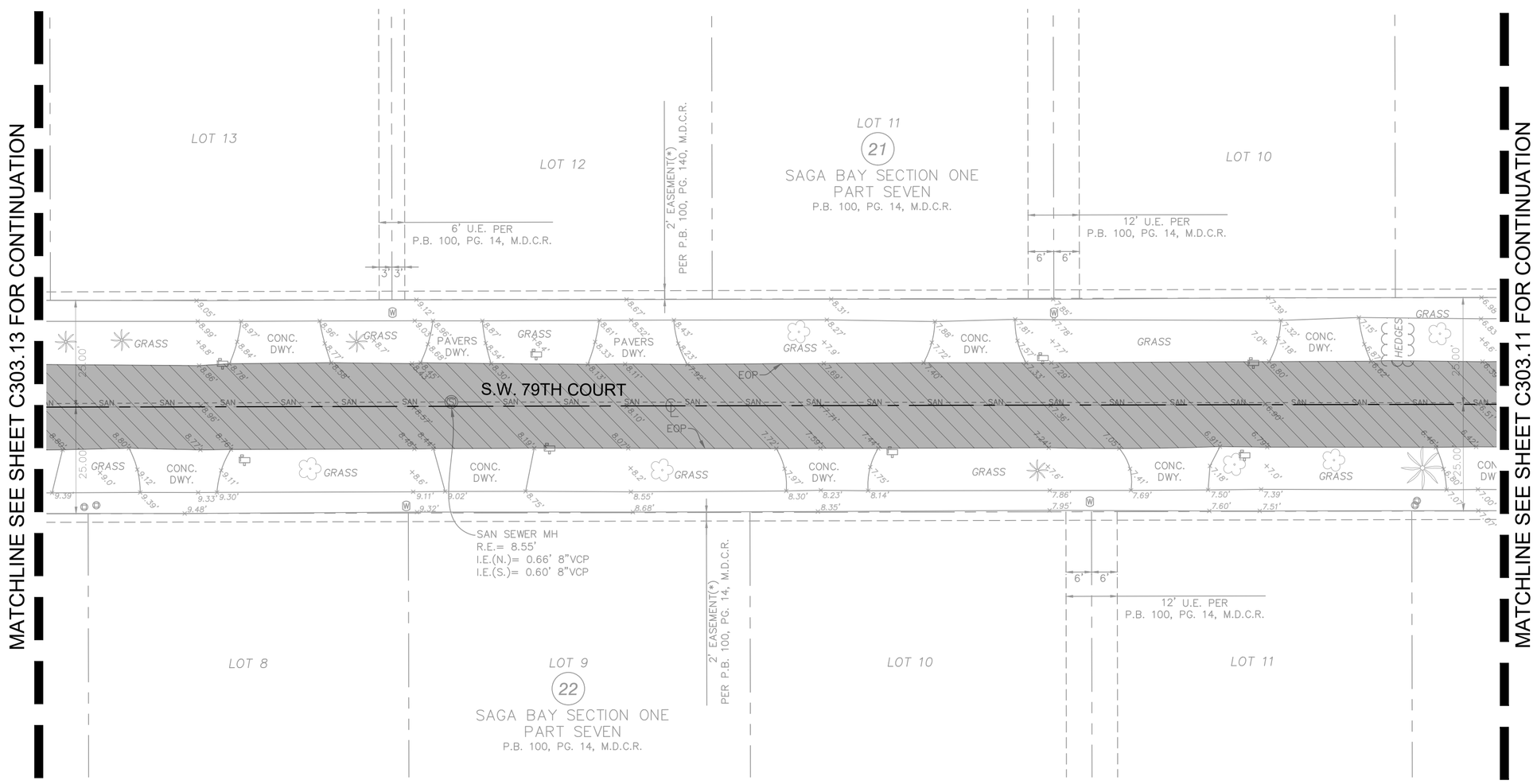
PAVING GRADING AND DRAINAGE PLAN

SAGA BAY DRAINAGE IMPROVEMENTS-EAST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C303.11

Plotted By:Rainier Flores Sheet Set:SAGA BAY DRAINAGE IMPROVEMENTS Layout:C303.11 Paving Grading and Drainage Plan August 05, 2025 12:31:52pm K:\MI_civil\043145105 saga bay drainage improvements\C4D\plansheets\C303.1 Paving Grading and Drainage Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

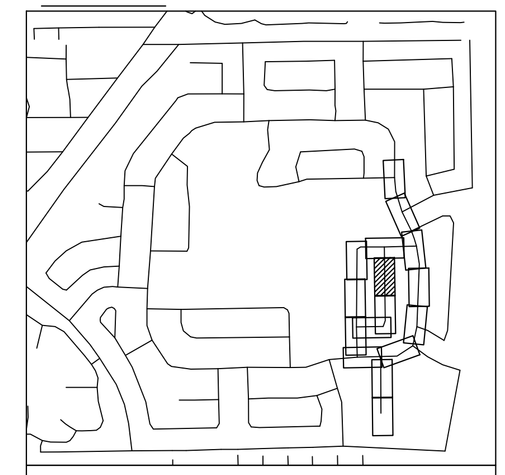
Town of Cutler Bay | ITB No. 25-04
Saga Bay Drainage Improvements Phase 3
Page 313 of 329



NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
Sunshine State One Call of Florida, Inc.
www.callsunshine.com

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON ★ LICENSE ★ No 85268 ★ STATE OF FLORIDA ★ PROFESSIONAL ENGINEER
DATE: 10/1/2025

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

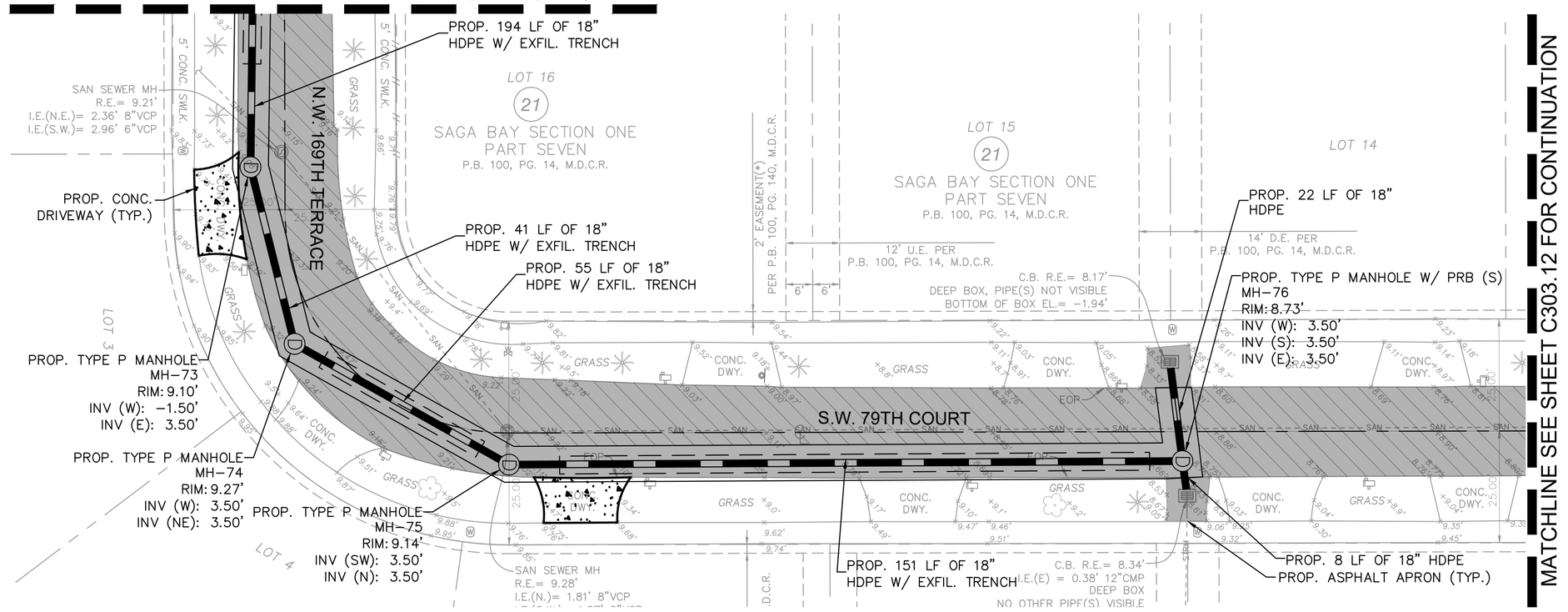
PAVING GRADING AND DRAINAGE PLAN

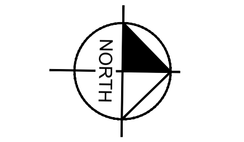
SAGA BAY DRAINAGE IMPROVEMENTS-EAST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C303.12

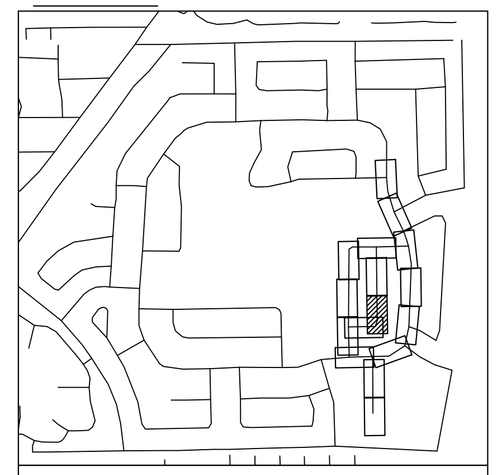
Plotted By:Baptiste, Eliana Sheet Set:SAGA BAY DRAINAGE IMPROVEMENTS Layout:C303.12 Paving, Grading and Drainage Plan August 06, 2025 - 12:31:50pm K:\FTL_civil\043 Jobs\043145106 saga bay drainage improvements\CAD\xlconstruct\C300.1 Paving, Grading and Drainage Plan.dgn
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Town of Cutler Bay | ITB No. 25-04
Saga Bay Drainage Improvements Project
Page 314 of 330





KEY MAP

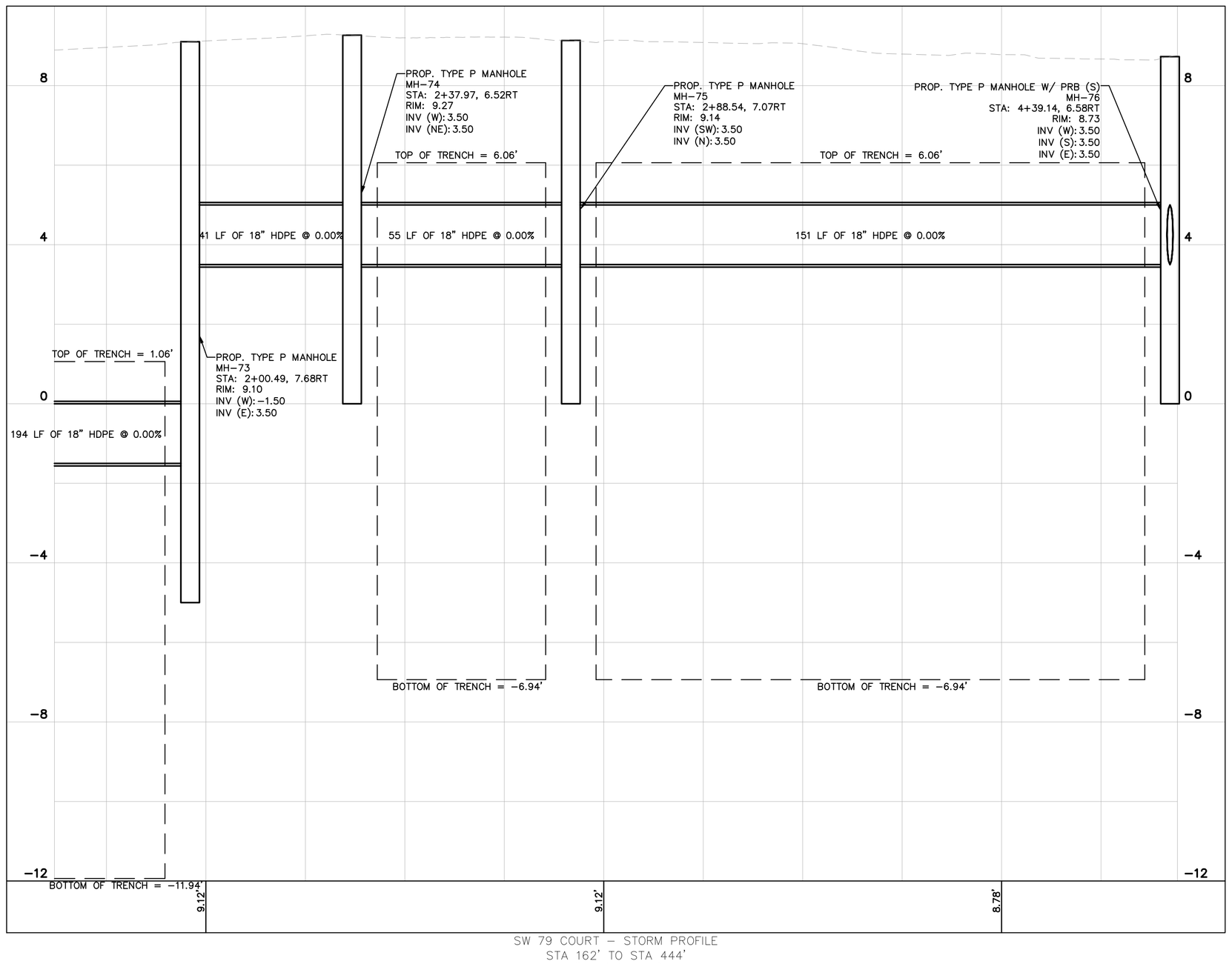


LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.



SW 79 COURT – STORM PROFILE
STA 162' TO STA 444'
1"=20' (HORZ.)
1"=2' (VERT)

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON FLORIDA LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: 10/1/2025

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

PAVING GRADING AND DRAINAGE PLAN

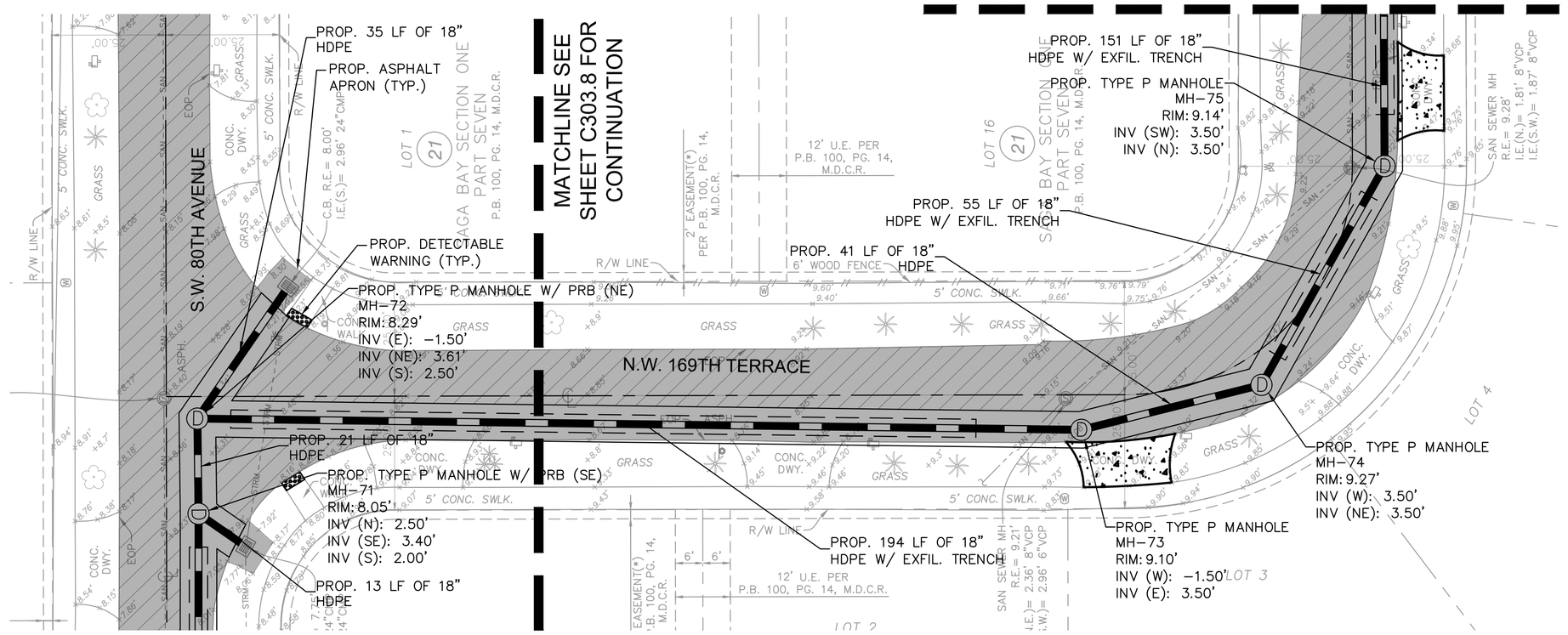
SAGA BAY DRAINAGE IMPROVEMENTS-EAST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

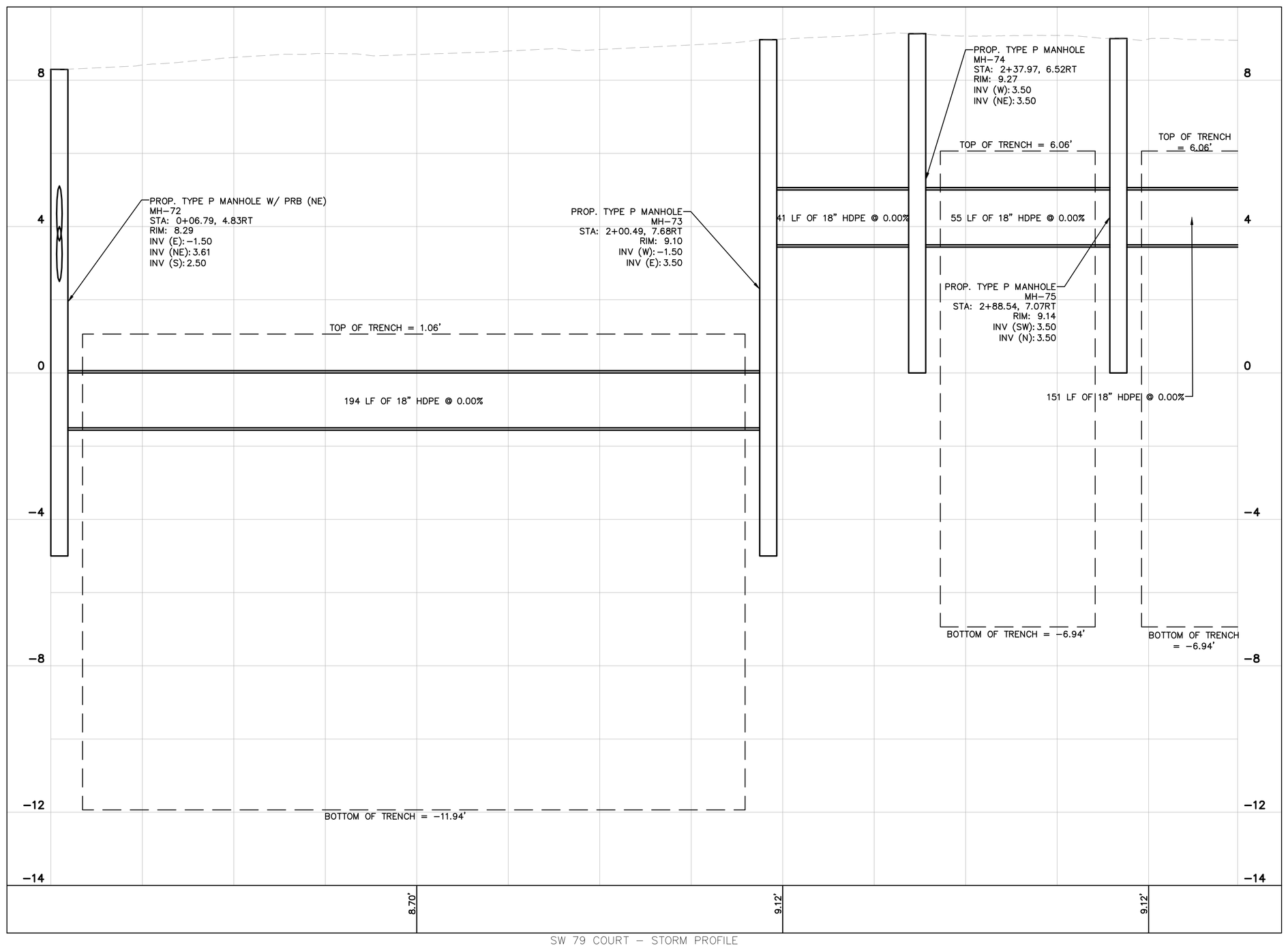
SHEET NUMBER
C303.13

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG www.callbeforeyoudig.com

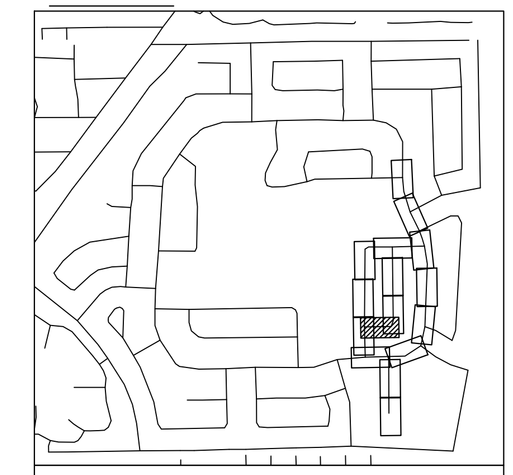
Plotted By: Raylene Filoso Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C303.13 Paving, Grading and Drainage Plan August 06, 2025 - 12:32:11pm K:\FTL_civil\043145105 saga bay drainage improvements\CAD\plansheets\C303.1 Paving, Grading and Drainage Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Town of Cutler Bay | ITB No. 25-04
Saga Bay - Segment 2 Drainage Improvements Project
Page 315 of 329





SW 79 COURT – STORM PROFILE
STA 0' TO STA 324'
1"=20' (HORZ.)
1"=2' (VERT)



KEY MAP

LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER DATE

KHA PROJECT 043145105			
DATE MAY 2025			
SCALE	AS SHOWN		
DESIGNED BY	TS	DM	SV
DRAWN BY			
CHECKED BY			

PAVING GRADING AND DRAINAGE PLAN

SAGA BAY DRAINAGE IMPROVEMENTS-EAST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

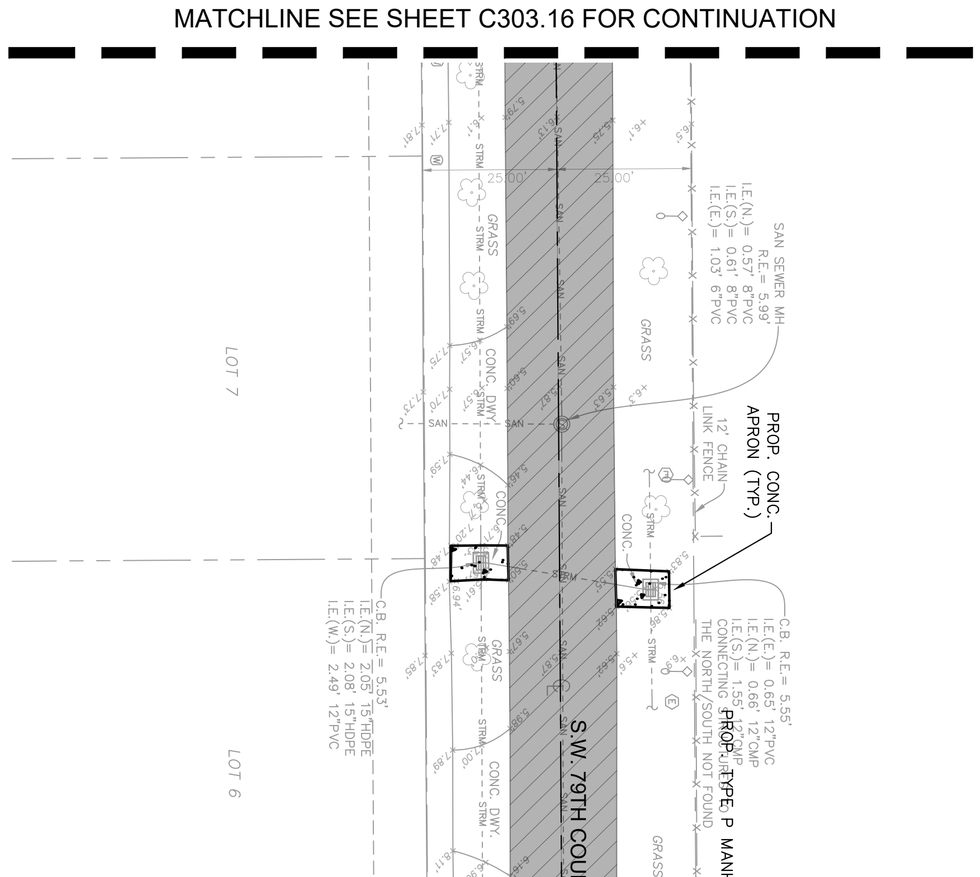
SHEET NUMBER
C303.14

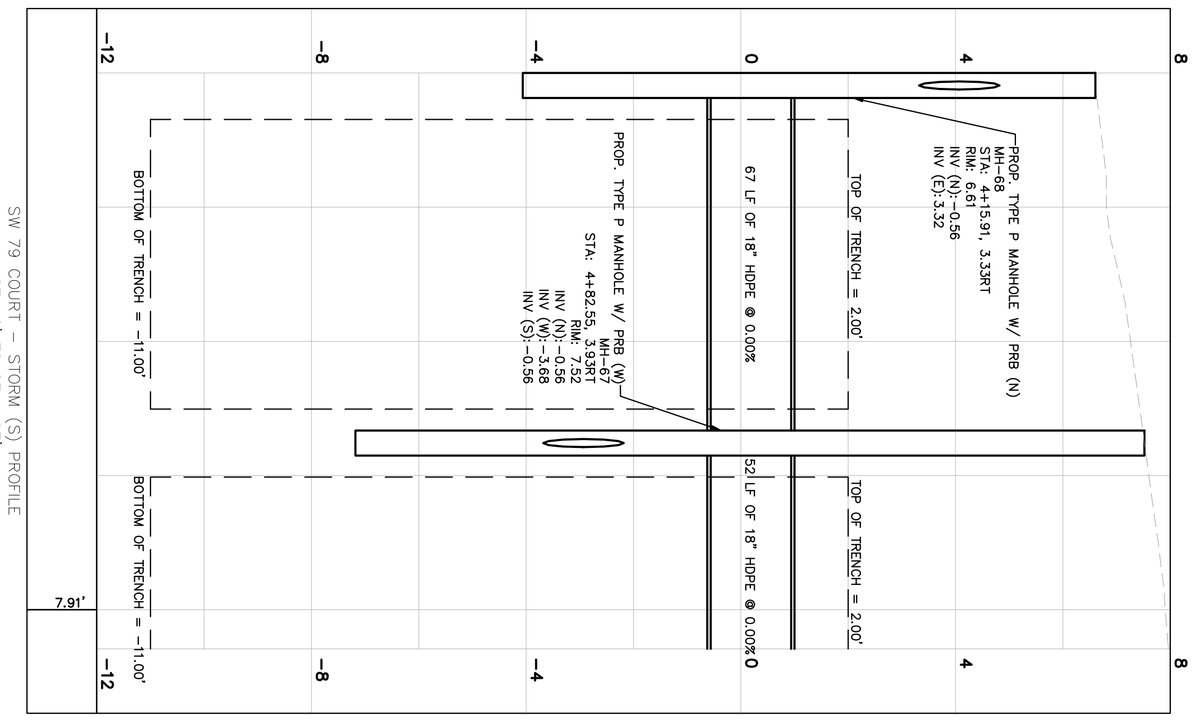
811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG! Sunshine811.com

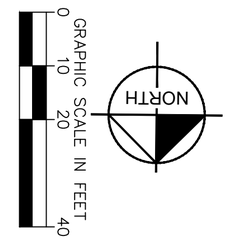
Plotted By:Rainier, Flores Sheet Set:SAGA BAY DRAINAGE IMPROVEMENTS Layout:C303.14 Paving Grading and Drainage Plan August 05, 2025 12:32:21pm K:\MI_civil\043145106_saga bay drainage improvements\CAD\sheetset\C300.1 Paving, Grading, and Drainage Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

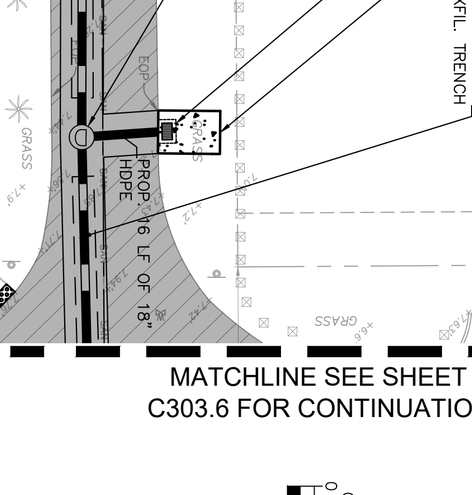
Plotted By: Beziner, Eliana Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C303.15 Paving Grading and Drainage Plan August 05, 2025 12:32:33pm K:\ftl_civil\043 jobs\043145105 saga bay drainage improvements\CAD\plansheets\C300.1 Paving, Grading, and Drainage Plan.dwg

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.









LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG www.callsunshine.com

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

SHEET NUMBER C303.15

SAGA BAY DRAINAGE IMPROVEMENTS-EAST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

PAVING GRADING AND DRAINAGE PLAN

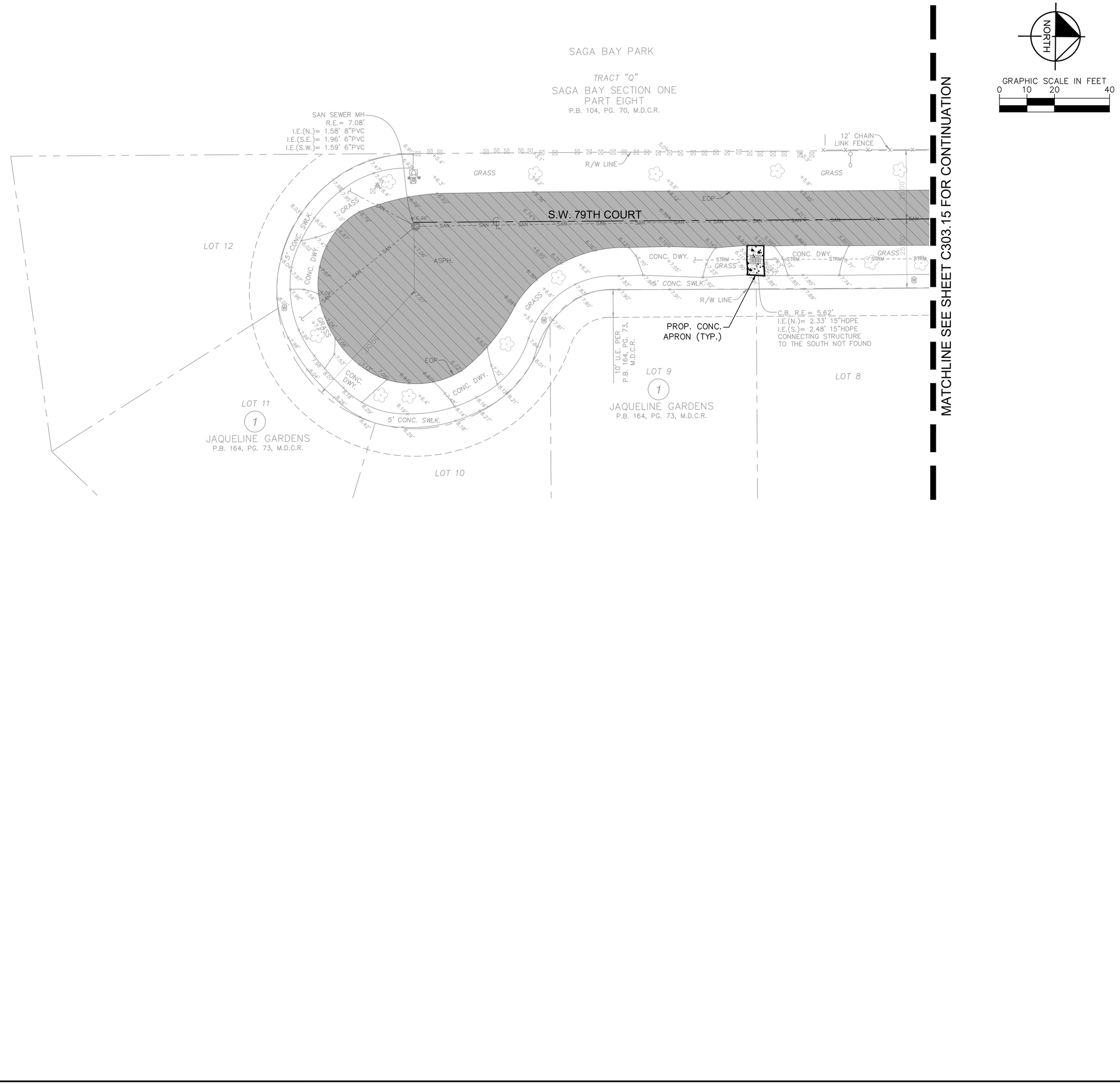
KHA PROJECT 043145105
DATE MAY 2025
SCALE AS SHOWN
DESIGNED BY TS
DRAWN BY DM
CHECKED BY SV

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: 8/5/2025

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

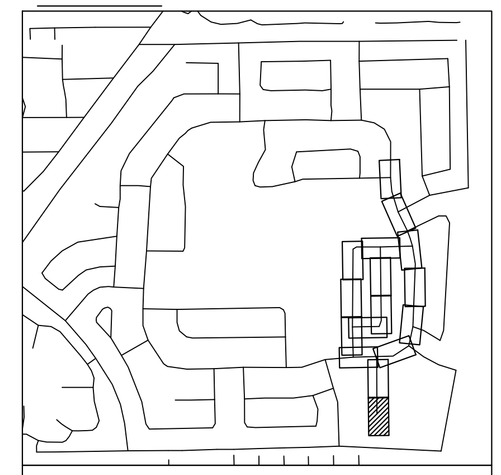
No.	REVISIONS	DATE	BY



NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN PIPE
- EXISTING WATER MAIN PIPE
- EXISTING OVERHEAD WIRE
- EXISTING STORM CATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- EXISTING LIGHTPOLE
- PROP. STORM MANHOLE
- PROP. STORM CATCH BASIN
- PROPOSED MILLING AND RESURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED DRAIN PIPE
- PROPOSED DRAIN PIPE W/ EXFILTRATION TRENCH

NOTES

1. ALL AREAS DAMAGED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO PAVEMENT MARKINGS, ASPHALT, SWALE, SIDEWALK, AND DRIVEWAYS, SHALL BE RESTORED, AT THE CONTRACTOR'S EXPENSE, TO ORIGINAL CONDITION.
2. CONTRACTOR TO MAINTAIN DRAINAGE FLOW DURING AND AFTER CONSTRUCTION.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. NO EXISTING TREES SHALL BE REMOVED UNLESS OTHERWISE SPECIFIED.
5. SHOULD ANY EXISTING TREE BE REQUIRED TO BE REMOVED OR RELOCATED BASED ON PROPOSED WORK, CONTRACTOR TO COORDINATE MODIFIED WORK WITH ENGINEER. SHOULD TREE REMOVAL/RELOCATION BE REQUIRED, CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
6. ALL EXISTING MAILBOXES IMPACTED BY CONSTRUCTION SHALL BE MODIFIED/RELOCATED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
7. ALL SIDEWALKS TO BE 4" THICK, EXCEPT THOSE TRAVERSING DRIVEWAYS SHALL BE 6" THICK, AS PER SIDEWALK DETAIL.
8. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
9. ALL SIDEWALK RAMPS AND DETECTABLE WARNINGS TO MEET FDOT STANDARDS.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. UTILITIES CROSSING THROUGH EXFILTRATION TRENCH TO BE SLEEVED UNLESS CAST IRON OR DUCTILE IRON SANITARY SEWER, OR CAST IRON, DUCTILE AND STEEL WATER MAIN.
12. CONTRACTOR TO REPLACE DAMAGED OR MISSING CONCRETE SIDEWALK AT THE REQUEST OF THE TOWN OR EOR.

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
Sunshine811.com

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON ★ LICENSE ★ No 85268 ★ STATE OF FLORIDA ★ PROFESSIONAL ENGINEER
DATE: 10/1/2025

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

PAVING GRADING AND DRAINAGE PLAN

SAGA BAY DRAINAGE IMPROVEMENTS-EAST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C303.16

Plotted By:Baptiste Filsaime Sheet Set:SAGA BAY DRAINAGE IMPROVEMENTS Layout:C303.16 Paving Grading and Drainage Plan August 06, 2025 - 12:32:40pm K:\MI_civil\043145105 saga bay drainage improvements\C4D\standard\C303.1 Paving, Grading and Drainage Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Town of Cutler Bay / ITB No. 25-04
Saga Bay Stormwater Improvements Project
Page 218 of 230

MIAMI-DADE COUNTY
Building Business Every Day
WATER & SEWER DEPARTMENT

ITEM	ISSUE DATE	APPROVED BY
	10/1/2017	D.V.

STANDARD DETAIL

POTABLE WATER MAIN, WASTEWATER & STORM SEWER CONFLICT

GS 1.5
SHEET 1 OF 2

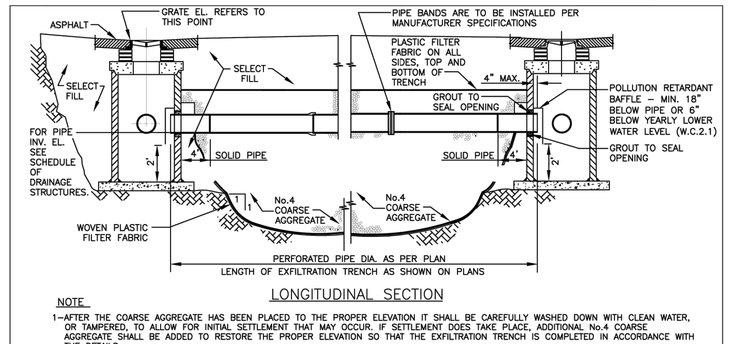
CROSS REF. | SPEC. REF.

LOCATION OF PUBLIC WATER SYSTEM MAINS ACCORDANCE WITH F.A.C. RULE 62-555.314

OTHER PIPE	HORIZONTAL SEPARATION	CROSSINGS (1)	JOINT SPACING @ CROSSINGS (FULL LENGTH OF PIPE CENTERED)
Storm Sewer; Stormwater Force Main; Reclaimed Water (2)	Water Main 3 ft. minimum	Water Main 12 inches is the minimum.	Alternate: 3 ft minimum Water Main
Vacuum Sanitary Sewer	Water Main 10 ft. preferred 3 ft. minimum	Water Main 12 inches preferred 6 inches minimum	Alternate: 3 ft minimum Water Main
Gravity or Pressure; Sanitary Sewer; Sanitary Sewer Force Main; Reclaimed Water (4)	Water Main 10 ft. preferred 6 ft. minimum (3)	Water Main 12 inches is the minimum.	Alternate: 6 ft minimum Water Main
On-Site Sewage Treatment & Disposal System	10 ft minimum	-	-

NOTES:

(1) WATER MAIN SHOULD BE ABOVE OTHER PIPE. WHEN WATER MAIN MUST BE BELOW OTHER PIPE, THE MINIMUM SEPARATION IS 12 INCHES.
(2) RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
(3) 3 FT. GRAVITY SANITARY SEWER WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST 6 INCHES ABOVE THE TOP OF THE GRAVITY SANITARY SEWER.
(4) RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.



MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS	APPROVED 04/16/2015	REVISED 02/08/2011 09/26/2012 10/19/2012	STANDARD STORM DRAINAGE DETAIL EXFILTRATION TRENCH (FRENCH DRAIN)	SD 1.1 SHEET 1 OF 2

NOTES CONTINUED

3. THE MINIMUM PIPE DIAMETER FOR DRAINAGE SYSTEM WITHIN THE ROADWAY RIGHT-OF-WAY SHALL BE 18 INCHES. 15 INCH PIPE MAY BE USED IN PRIVATE ROADWAYS.
4. NO TREES TO BE PLANTED WITHIN 5 FEET OF THE EDGE OF THE TRENCH.
5. TYPE "P" S.D. 2.6 STRUCTURE IS RECOMMENDED FOR SMALL DRAINAGE AREAS LESS THAN 0.2 ACRE PER CATCH BASIN.
6. TYPE "P" S.D. 2.7 STRUCTURE IS RECOMMENDED FOR AREAS LARGER THAN 0.2 ACRE.
7. THE INVERTS OF PIPES SHALL BE AT MINIMUM ELEVATIONS AS SHOWN IN W.C. 2.2.
8. PIPES CAN BE ALLOWED BELOW MEAN HIGH OCTOBER WATER TABLE DUE TO UTILITY CONFLICTS OR IN ORDER TO PROVIDE THE REQUIRED MINIMUM COVER.
9. NEOPRENE GASKET REQUIRED FOR BAFFLES ON ALL CONTACT EDGES MOUNTED ON WALL.
10. OIL AND GREASE BAFFLE IS REQUIRED FOR ALL DRAINAGE STRUCTURES PRECEDING AN OUTFALL OR EXFILTRATION TRENCHES, IN PROJECTS LOCATED IN WELLFIELD PROTECTION AREAS, ROAD INTERSECTIONS WITH TRAFFIC LIGHTS, AND LARGE PARKING LOTS WHICH INCLUDE 15 PARKING SPACES OR MORE.
11. OIL AND GREASE BAFFLE MAY BE WAIVED IN SUBURBAN RESIDENTIAL AREAS.

GENERAL NOTES FOR PIPE CULVERTS

CONTRACTOR HAS THE OPTION OF INSTALLING ANY PIPE MEETING THE REQUIREMENTS OF SECTION 443-2 OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AS LONG AS THE MANUFACTURER IS LISTED, AT THE TIME OF PIPE INSTALLATION, IN FDOT'S LIST OF PRODUCERS WITH ACCEPTED QUALITY CONTROL PROGRAMS. PIPES WITH LESS THAN A 100-YEAR CERTIFICATION CANNOT BE USED ON SECTION LINE, HALF SECTION LINE, COLLECTOR ROADWAYS, AND ARTERIALS. 50-YEAR PIPE CERTIFICATION REQUIRED FOR ALL OTHER MINOR/LOCAL ROADWAYS.

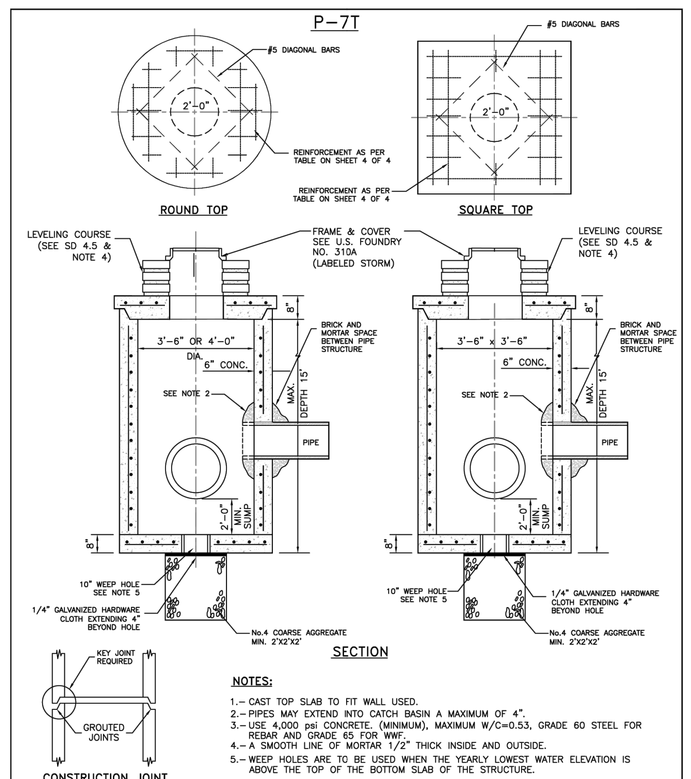
MINIMUM NUMBER OF PERFORATION IN PIPE CULVERTS

PIPE DIAMETER (Inches)	OUTER SHELL	LINER
	No. of 3/8" Dia. Holes (PER LIN. FT. OF PIPE)	No. of 5/8" Dia. Holes (PER LIN. FT. OF PIPE)
15	100	50
18	120	60
24	160	80
30	200	100
36	240	120
42	275	140
48	315	150
54	355	180
60	395	200
72	470	235
84	550	275

NOTE:
PERFORATIONS SHALL BE UNIFORMLY SPACED AROUND THE FULL PERIPHERY OF THE PIPE TO WITHIN 4" OF EACH END OF EACH LENGTH OF PIPE. THE NUMBER OF PERFORATIONS PER LINEAR FOOT OF PIPE AND THE DIAMETER OF THE PERFORATIONS SHALL BE AS SHOWN ON THE ABOVE TABLE.

MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS	APPROVED 04/16/2015	REVISED 06-04-86 10-22-13 05-02-81	STANDARD STORM DRAINAGE DETAIL EXFILTRATION TRENCH (PIPE CULVERT NOTES)	SD 1.1 SHEET 2 OF 2

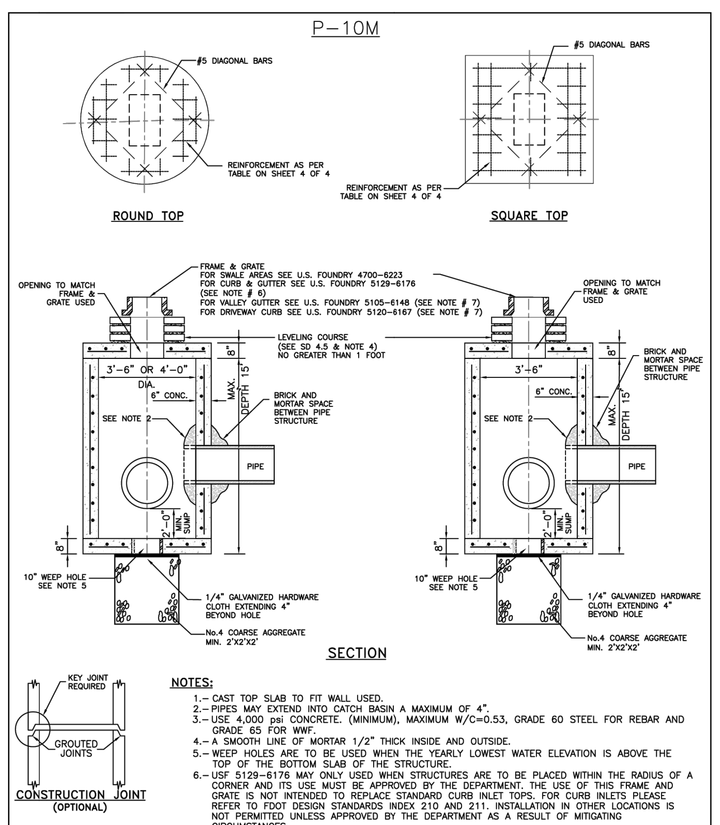
P-7T



NOTES:
1.- CAST TOP SLAB TO FIT WALL USED.
2.- PIPES MAY EXTEND INTO CATCH BASIN A MAXIMUM OF 4".
3.- USE 4,000 psi CONCRETE, (MINIMUM), MAXIMUM W/C=0.53, GRADE 60 STEEL FOR REBAR AND GRADE 65 FOR WWF.
4.- A SMOOTH LINE OF MORTAR 1/2" THICK INSIDE AND OUTSIDE.
5.- WEEP HOLES ARE TO BE USED WHEN THE YEARLY LOWEST WATER ELEVATION IS ABOVE THE TOP OF THE BOTTOM SLAB OF THE STRUCTURE.

MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS	APPROVED 5/8/2018	REVISED 5/8/2018	STANDARD STORM DRAINAGE DETAIL MANHOLE AND INLET (TYPE P)	SD 2.7 SHEET 1 OF 4

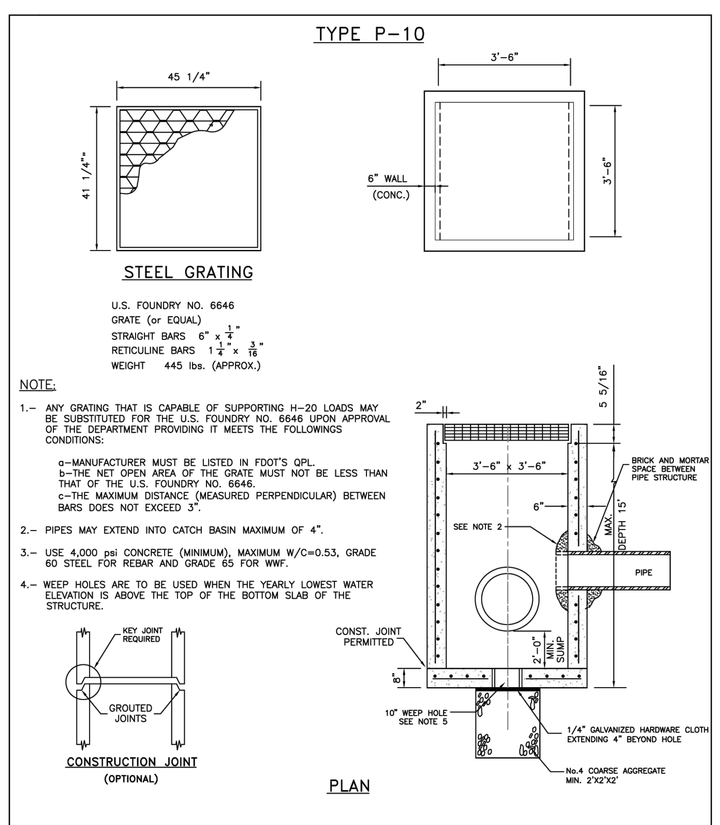
P-10M



NOTES:
1.- CAST TOP SLAB TO FIT WALL USED.
2.- PIPES MAY EXTEND INTO CATCH BASIN A MAXIMUM OF 4".
3.- USE 4,000 psi CONCRETE, (MINIMUM), MAXIMUM W/C=0.53, GRADE 60 STEEL FOR REBAR AND GRADE 65 FOR WWF.
4.- A SMOOTH LINE OF MORTAR 1/2" THICK INSIDE AND OUTSIDE.
5.- WEEP HOLES ARE TO BE USED WHEN THE YEARLY LOWEST WATER ELEVATION IS ABOVE THE TOP OF THE BOTTOM SLAB OF THE STRUCTURE.
6.- USF 5129-6176 MAY ONLY USED WHEN STRUCTURES ARE TO BE PLACED WITHIN THE RADIUS OF A CORNER AND ITS USE MUST BE APPROVED BY THE DEPARTMENT. THE USE OF THIS FRAME AND GRATE IS NOT INTENDED TO REPLACE STANDARD CURB INLET TOPS. FOR CURB INLETS PLEASE REFER TO FDOT DESIGN STANDARDS INDEX 210 AND 211. INSTALLATION IN OTHER LOCATIONS IS NOT PERMITTED UNLESS APPROVED BY THE DEPARTMENT AS A RESULT OF MITIGATING CIRCUMSTANCES.

MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS	APPROVED 5/8/2018	REVISED 5/8/2018	STANDARD STORM DRAINAGE DETAIL MANHOLE AND INLET (TYPE P)	SD 2.7 SHEET 2 OF 4

TYPE P-10



MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS	APPROVED 5/8/2018	REVISED 5/8/2018	STANDARD STORM DRAINAGE DETAIL MANHOLE AND INLET (TYPE P)	SD 2.7 SHEET 3 OF 4

SQUARE STRUCTURE

Standard Detail	Width (ft)	Length (ft)	Height (ft)	Wall Thickness (in)	Wall Steel	Top Slab Thickness (in)	Top Slab Steel	Bottom Slab Thickness (in)	Bottom Slab Steel
2.7	3.5	3.5	0.0 - 5.0	6.0	#4@10"H #4@10"V	8.0	#4@7" E.W.	8.0	#4@10" E.W.
2.7	3.5	3.5	5.1 - 10.0	6.0	#4@9"H #4@10"V	8.0	#4@6" E.W.	8.0	#4@10" E.W.
2.7	3.5	3.5	10.1-15.0	6.0	#5@6"H #4@10"V	8.0	#4@6.5" E.W.	8.0	#4@10" E.W.

ROUND STRUCTURE

Standard Detail	Dia. (ft) Min.	Dia. (ft) Max.	Height (ft)	Wall Thickness (in)	Wall Steel	Top Slab Thickness (in)	Top Slab Steel	Bottom Slab Thickness (in)	Bottom Slab Steel
2.7	3.5	4.0	0.0 - 5.0	6.0	8 x 8 W20 or #4@10"E.W	8.0	#4@7" E.W.	8.0	#4@10" E.W.
2.7	3.5	4.0	5.1 - 10.0	6.0	8 x 8 W20 or #4@10"E.W	8.0	#4@6" E.W.	8.0	#4@10" E.W.
2.7	3.5	4.0	10.1 - 15.0	6.0	8 x 8 W20 or #4@10"E.W	8.0	#4@6.5" E.W.	8.0	#4@10" E.W.

MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS	APPROVED 5/8/2018	REVISED 5/8/2018	STANDARD STORM DRAINAGE DETAIL MANHOLE AND INLET (TYPE P)	SD 2.7 SHEET 4 OF 4

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON ★ No 85268 ★ STATE OF FLORIDA ★ PROFESSIONAL ENGINEER

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

KHA PROJECT 043145105
DATE MAY 2025
SCALE AS SHOWN | DESIGNED BY TS | DRAWN BY DM | CHECKED BY SV | DATE

PAVING GRADING AND DRAINAGE DETAILS

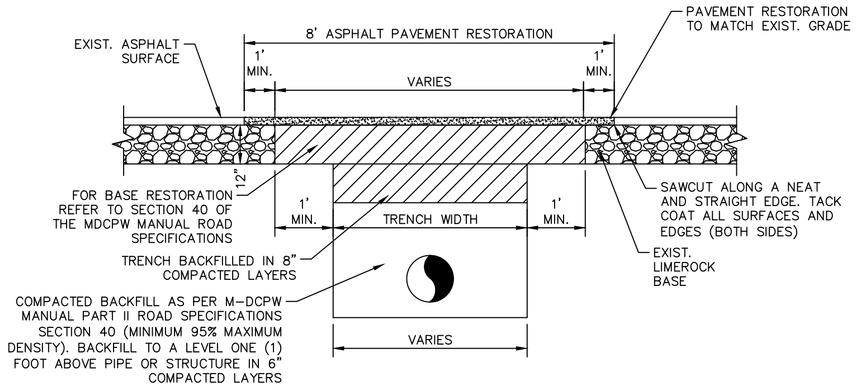
SAGA BAY DRAINAGE IMPROVEMENTS-EAST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C303.17

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By:Rainier, Flinn, Sheet Set:SAGA BAY DRAINAGE IMPROVEMENTS, Layout:C303.17 Paving Grading and Drainage Details, August 06, 2025, 12:32:51pm, K:\MI_civil\043145105_saga bay drainage improvements\C4D\plansheets\C303.1 Paving, Grading and Drainage Details.dwg

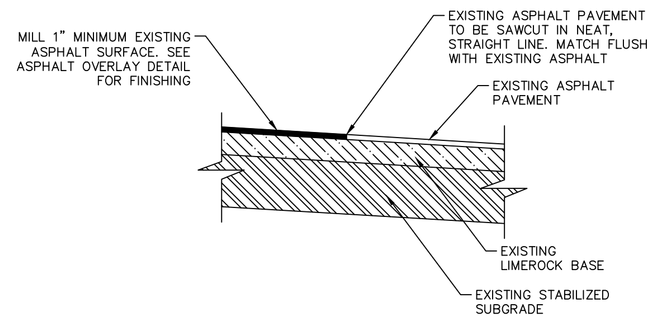


GENERAL NOTES:

1. BASE MATERIAL SHALL BE PLACED IN 6 INCH MAXIMUM LAYERS AND EACH LAYER THOROUGHLY ROLLED OR TAMPED TO 98% OF MAXIMUM DENSITY, PER AASHTO T-180. BASE MATERIAL SHALL HAVE A MINIMUM LBR OF 100.
2. ASPHALTIC CONCRETE PAVEMENT JOINTS SHALL BE MECHANICALLY SAWED.
3. SURFACE TREATED PAVEMENT JOINTS SHALL BE LAPPED AND FEATHERED. PAVEMENT MATERIAL SHALL BE 2-1/2" FDOT TYPE SP-9.5 (FINE MIX) FIRST LIFT AND 1" (MIN.) FDOT FC-9.5 TOP LIFT, SEE OVERLAY DETAIL. MATCH EXISTING GRADES AT LIMIT OF SAWCUT.
4. BID PRICES FOR PIPE AND/OR FRENCH DRAIN SHALL INCLUDE PAVEMENT RESTORATION TO MATCH EXISTING GRADES. CONTRACTOR SHALL NOT LEAVE MORE THAN 1,100-FEET OF EXPOSED LIMEROCK BASE AT ANY TIME DURING THE TRENCH/PAVEMENT RESTORATION PROCESS.
5. WHEN TRENCHING OUTSIDE THE PAVEMENT AREA, ASPHALT AND BASE MATERIAL REFERENCED IN GENERAL NOTES ARE NOT REQUIRED. RESTORE OR REPLACE ALL PUBLIC OR PRIVATE PROPERTY TO A CONDITION AT LEAST EQUAL TO THAT EXISTING IMMEDIATELY PRIOR TO COMMENCEMENT OF CONSTRUCTION. ALL IMPACTED AREAS SHALL BE COMPACTED TO 95% DENSITY IN 6-INCH MAXIMUM LIFTS.
6. PAVEMENT RESTORATION FOR LONGITUDINAL CUTS SHALL INCLUDE FULL LANE WIDTH RESURFACING FOR EACH LANE WITHIN WHICH THE CUT EXTENDS.
7. IN SOME CASES IT WILL BE NECESSARY TO OVERLAY MORE THAN ONE (1) LANE WITH ASPHALTIC CONCRETE TO SATISFY PAVEMENT SLOPE.
8. CONTRACTOR MAY ELECT TO BACKFILL WITH 1:0 SAND-CEMENT MIX.

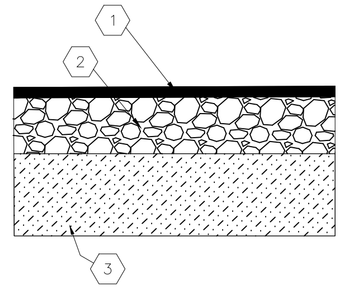
TRENCH/PAVEMENT RESTORATION

NOT TO SCALE



ASPHALT MILLING DETAIL

NOT TO SCALE

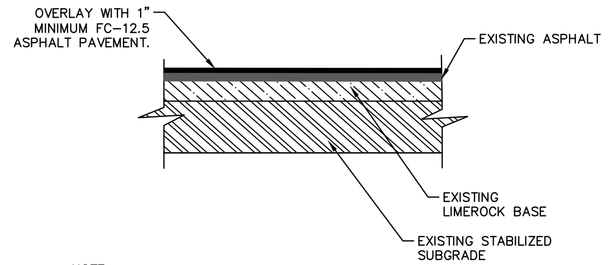


PAVING LEGEND

1. 1" ASPHALT SURFACE TYPE SP-9.5 OR APPROVED EQUAL (BOTTOM) AND 1" MIN. FC-9.5 TOP LIFT
2. 8" LIMEROCK BASE COMPACTED IN 1 LIFT WITH MINIMUM LBR OF 100
3. 12" THICK SUBGRADE COMPACTED AND STABILIZED WITH MINIMUM DESIGN LBR OF 40 COMPACTED TO AT LEAST 98% OF MAXIMUM DRY DENSITY (AASHTO T-180)

PAVEMENT CROSS-SECTION

NOT TO SCALE

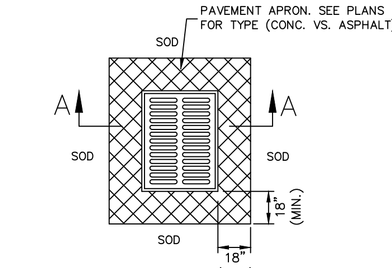


NOTE:

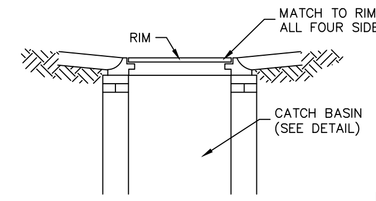
CONTRACTOR TO PROVIDE SMOOTH AND CONTINUOUS GRADING DURING ASPHALT OVERLAY PROCESS TO AVOIDS AREAS OF STANDING WATER. COST SHALL BE INCLUDED IN THE ASPHALTIC CONCRETE SURFACE COURSE OVERLAY PAY ITEM.

ASPHALT OVERLAY DETAIL

NOT TO SCALE



PLAN



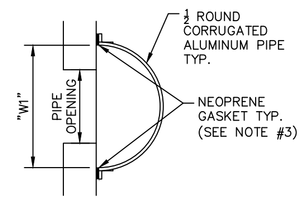
SECTION 'A - A'

NOTES:

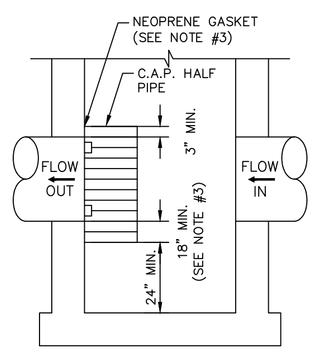
1. IN GRASS AREA, ALL GRATES SHALL HAVE A MINIMUM 1.5' PAVEMENT APRON AROUND.
2. IN PAVER AREA, ALL GRATES SHALL HAVE A MINIMUM 1.5' PAVEMENT APRON AROUND

PAVEMENT APRON w/ INLET

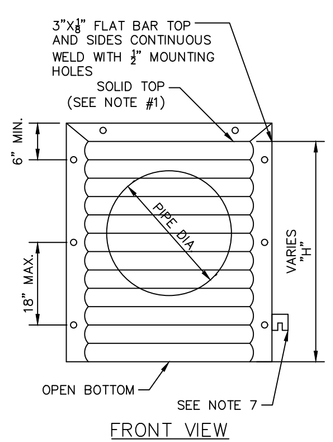
NOT TO SCALE



TOP VIEW
RECTANGULAR STRUCTURE



SIDE VIEW



FRONT VIEW

NOTES:

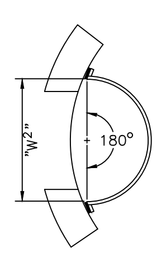
1. ALUMINUM SHEET OF SAME THICKNESS (GAUGE) AS PIPE SHALL BE WELDED TO CLOSE OPENING AT THE TOP.
2. NEOPRENE ADHESIVE BACKED GASKET, OR APPROVED EQUAL (1"X2") SHALL BE INSTALLED ON THE SIDES AND TOP OF ALL BAFFLES.
3. POLLUTION RETARDANT BAFFLES TO BE FASTENED IN PLACE WITH ⅜"x4" STEEL "RED HEADS", OR APPROVED EQUAL.
4. ALL EXFILRATION TRENCHES SHALL HAVE A POLLUTION RETARDANT BAFFLE AT EACH CONNECTION POINT TO A STRUCTURE (SEE EXFILTRATION TRENCH DETAIL).
5. FIBERGLASS BAFFLES ARE NOT PERMITTED.
6. MOUNTING BRACKETS MAY BE ADDED TO FLAT BARS TO EASE INSTALLATION IN ROUND STRUCTURES, SPACING TO MATCH HOLES IN FLAT BARS.
7. ALL STRUCTURES DISCHARGING INTO ANY RETENTION OR DETENTION AREAS SHALL HAVE BAFFLE MECHANISMS INSTALLED

POLLUTION RETARDANT BAFFLE

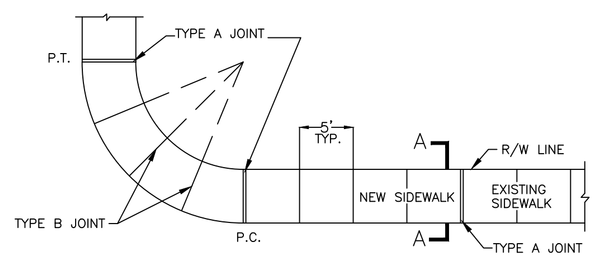
NOT TO SCALE

PIPE DIA.	W [1] (IN)	W [2] (IN)	T (GAUGE)	H (IN)
15"	21"	21"	16	VARIES
18"	24"	24"	16	VARIES
21"	30"	30"	16	VARIES
24"	30"	36"	16	VARIES
30"	36"	42"	14	VARIES
36"	42"	48"	14	VARIES
42"	48"	54"	14	VARIES
48"	54"	60"	14	VARIES
54"	60"	66"	14	VARIES

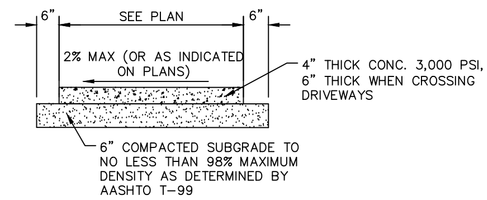
[1] RECTANGULAR STRUCTURE
[2] ROUND STRUCTURE



TOP VIEW
ROUND STRUCTURE



PLAN VIEW



SECTION A-A

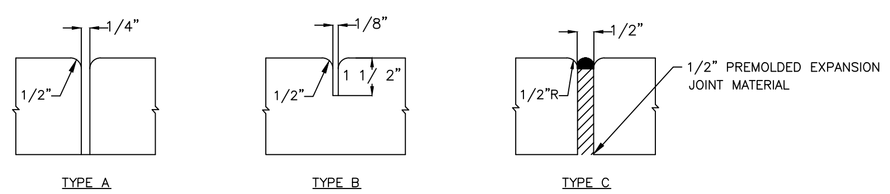


TABLE OF SIDEWALK THICKNESS - T	
LOCATION	
STANDARD SIDEWALK	4"
AT DRIVEWAYS AND OTHER AREAS	6"

TABLE OF SIDEWALK JOINTS	
	LOCATION
A	P.C. AND P.T. OF CURVES. JUNCTION OF EXISTING AND NEW SIDEWALK.
B	5'-0" CENTER TO CENTER ON SIDEWALK.
C	WHERE SIDEWALK ABUTS CONCRETE CURBS, DRIVEWAYS, AND SIMILAR STRUCTURES

NOTES:

1. PLACE #10/10 6x6 WIRE MESH IN THE PORTION OF THE SIDEWALK THAT CROSSES THE DRIVEWAY ONLY.
2. STANDARD SIDEWALK TO BE 3000 PSI @ 28 DAYS
3. CONCRETE FOR SIDEWALK AT DRIVEWAYS AND LOADING ZONES SHALL BE 4000 PSI @ 28 DAYS (HEAVY DUTY).
4. CURE ALL CONCRETE WITH CLEAN SAND, PLASTIC MEMBRANE, OR OTHER APPROVED METHOD.
5. TOOLED JOINTS TO OCCUR AT INTERVALS EQUAL TO WIDTH OF SIDEWALK
6. SIDEWALK TO HAVE BROOM FINISH PERPENDICULAR TO PATH OF TRAVEL.
7. CONTRACTOR SHALL REPAIR AND RESTORE ALL AREAS WITHIN THE ABUTTING R/W DISTURBED DURING CONSTRUCTION TO A CONDITION EQUAL TO OR BETTER THAN EXISTING AT NO ADDITIONAL COST TO THE OWNER.
8. ALL DEMOLISHED SIDEWALKS AND ADDITIONS ARE TO BE REPLACED WITH CONCRETE SIDEWALK TO MATCH EXISTING AT NO ADDITIONAL COST TO THE OWNER.
9. ALL DEMOLISHED SIDEWALK RAMPS ARE TO BE REPLACED AS PER ADA STANDARDS AND INCLUDE ADA COMPLIANT DETECTABLE WARNINGS AT NO ADDITIONAL COST TO THE OWNER.

SIDEWALK DESIGN STANDARDS

NOT TO SCALE

KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG

It's fast, it's free, it's the law.

www.callbeforeyoudig.com

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.

8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

KHA PROJECT 043145105	
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

PAVING GRADING AND DRAINAGE DETAILS

SAGA BAY DRAINAGE IMPROVEMENTS-EAST
PREPARED FOR
TOWN OF CUTLER BAY

CUTLER BAY FLORIDA

SHEET NUMBER
C303.18

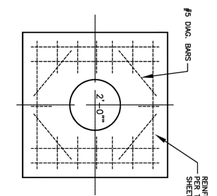
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By: Rainier, Flinn Sheet: Sat-SAGA BAY DRAINAGE IMPROVEMENTS Layout: C303.18 Paving Grading and Drainage Details August 06, 2025 12:33:00pm K:\MI_civil\043145106_saga bay drainage improvements\CAD\plansheets\C303.1 Paving, Grading and Drainage Details.dwg

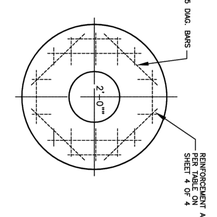
Plotted By: Beziner, Eliana Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C303.19 Paving Grading and Drainage Details August 05, 2025 12:33:08pm K:\ftl_civil\043 jobs\043145105 saga bay drainage improvements\CAD\plansheets\C301.1 Paving, Grading, and Drainage Details.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

J-7T

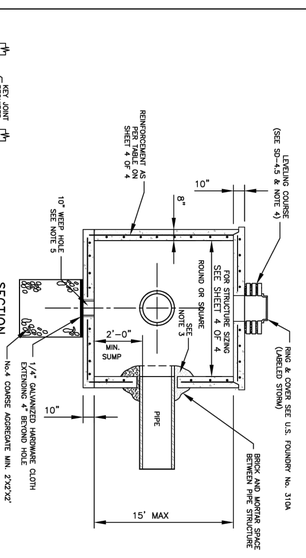
SQUARE TOP



ROUND TOP



SECTION



NOTES:

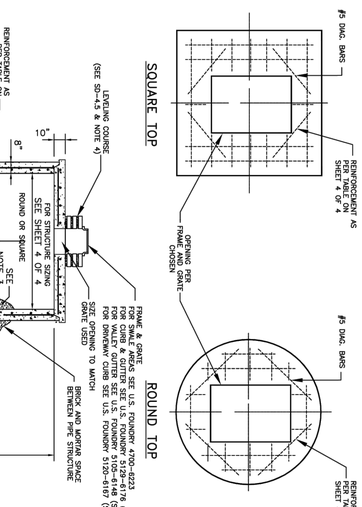
1- CAST TOP SLAB TO FIT WALL USED.
2- USE 4,000 psi CONCRETE. (MINIMUM), MAXIMUM W/C=0.53, GRADE 60 STEEL FOR REBAR AND 65 FOR WWF.
3- PIPES MAY EXTEND INTO CATCH BASIN A MAXIMUM OF 4".
4- APPLY A SMOOTH LINE OF MORTAR 1/2" THICK INSIDE AND OUTSIDE.
5- WEEP HOLES ARE TO BE USED WHEN THE YEARLY LOWEST WATER ELEVATION IS ABOVE THE TOP OF THE BOTTOM SLAB OF THE STRUCTURE.

CONSTRUCTION JOINT (OPTIONAL)

MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS	APPROVED 5/9/2018	REVISED 5/9/2018 9/15/2013 9/26/2012 8/2/2011	STANDARD STORM DRAINAGE DETAIL MANHOLE AND INLET (TYPE J)	SD 2.6 SHEET 1 OF 4

J-10M

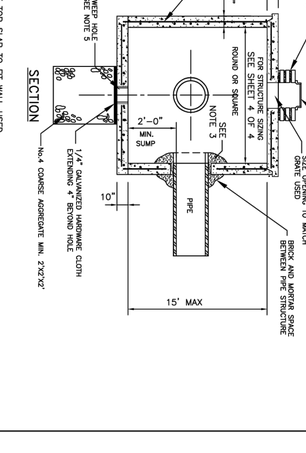
SQUARE TOP



ROUND TOP

FRAME & GRATE
FOR SMALL AREAS SEE U.S. FOUNDRY #7001-6223 (SEE NOTE # 6)
FOR VALLEY GUTTER SEE U.S. FOUNDRY 5100-6148 (SEE NOTE # 7)
FOR DRIVEWAY CURB SEE U.S. FOUNDRY 5120-6167 (SEE NOTE # 7)
GRATE USED TO MATCH

SECTION



NOTES:

1- CAST TOP SLAB TO FIT WALL USED.
2- USE 4,000 psi CONCRETE. (MINIMUM), MAXIMUM W/C=0.53 GRADE 60 STEEL FOR REBAR AND 65 FOR WWF.
3- PIPES MAY EXTEND INTO CATCH BASIN A MAXIMUM OF 4".
4- A SMOOTH LINE OF MORTAR 1/2" THICK INSIDE AND OUTSIDE.
5- WEEP HOLES ARE TO BE USED WHEN THE YEARLY LOWEST WATER ELEVATION IS ABOVE THE TOP OF THE BOTTOM SLAB OF THE STRUCTURE.
6- USE OF THIS FRAME AND GRATE IS NOT INTENDED TO REPLACE STANDARD CURB INLET TOPS. FOR CURB INLETS OF A CORNER AND ITS USE MUST BE APPROVED BY THE DEPARTMENT. THE USE OF THIS FRAME AND GRATE IS NOT PERMITTED ON ROADWAYS WITH POSTED SPEEDS GREATER THAN 30 MPH.
7- ALTERNATIVE GRATE 5112-6143 MAY BE USED ON NON-RESIDENTIAL ROADWAYS.

CONSTRUCTION JOINT (OPTIONAL)

MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS	APPROVED 5/9/2018	REVISED 5/9/2018 9/15/2013 9/26/2012 8/2/2011	STANDARD STORM DRAINAGE DETAIL MANHOLE AND INLET (TYPE J)	SD 2.6 SHEET 2 OF 4

J-10

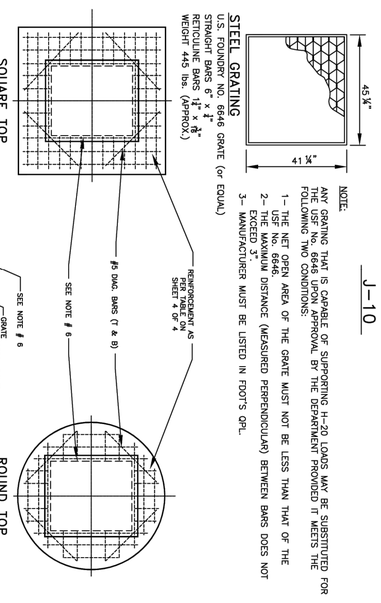
ANY GRATING THAT IS CAPABLE OF SUPPORTING H-20 LOADS MAY BE SUBSTITUTED FOR THE USF No. 6646 UPON APPROVAL BY THE DEPARTMENT PROVIDED IT MEETS THE FOLLOWING TWO CONDITIONS:

1- THE NET OPEN AREA OF THE GRATE MUST NOT BE LESS THAN THAT OF THE USF No. 6646.
2- THE MAXIMUM DISTANCE (MEASURED PERPENDICULAR) BETWEEN BARS DOES NOT EXCEED 3".
3- MANUFACTURER MUST BE LISTED IN FDOT'S QPL.

STEEL GRATING

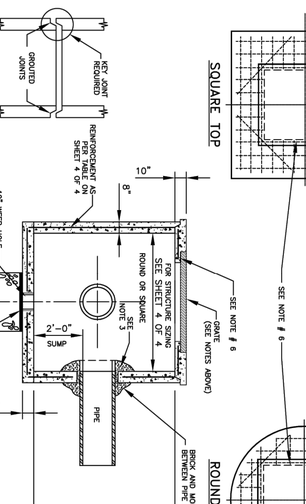
U.S. FOUNDRY NO. 6646 GRATE (or EQUAL)
STRAIGHT BARS 6" x 1" x $\frac{5}{8}$"
RETICULINE BARS 1" x $\frac{5}{8}$"
WEIGHT 445 lbs. (APPROX.)

SQUARE TOP



ROUND TOP

SECTION



NOTES:

1- CAST TOP SLAB TO FIT WALL USED.
2- USE 4,000 psi CONCRETE (MINIMUM), MAXIMUM W/C=0.53 GRADE 60 STEEL FOR REBAR AND 65 FOR WWF.
3- PIPES MAY EXTEND INTO CATCH BASIN A MAXIMUM OF 4".
4- APPLY A SMOOTH LINE OF MORTAR 1/2" THICK INSIDE AND OUTSIDE.
5- WEEP HOLES ARE TO BE USED WHEN THE YEARLY LOWEST WATER ELEVATION IS ABOVE THE TOP OF THE BOTTOM SLAB OF THE STRUCTURE.
6- GRATE TO BE SUPPORTED ON ALL SIDES.
7- STANDARD GRATE IS NOT RECOMMENDED IN HEAVY TRAFFIC AREAS OR WHERE THEY WOULD BE SUBJECTED TO CONSTANT STANDING SEATS AT DOWN GRADE APPROACHES.

CONSTRUCTION JOINT (OPTIONAL)

MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS	APPROVED 5/9/2018	REVISED 5/9/2018 9/15/2013 9/26/2012 8/2/2011	STANDARD STORM DRAINAGE DETAIL MANHOLE AND INLET (TYPE J)	SD 2.6 SHEET 3 OF 4

Standard Detail	Width (ft) Min.	Length (ft) Max.	Height (ft)	Wall Thickness (in)	Wall Steel	Top Slab Thickness (in)	Top Slab Steel	Bottom Slab Thickness (in)	Bottom Slab Steel
2.6	8	8	0.0 - 5.0	8	#4@7"H #4@10"V	10	#6@6" E.W.	10	#5@8.5" E.W.
2.6	8	8	5.1 - 10.0	8	#6@7.5"H #4@10"V	10	#6@6" E.W.	10	#5@8.5" E.W.
2.6	8	8	10.1-15.0	8	#7@7"H #4@10"V	10	#6@6" E.W.	10	#5@8.5" E.W.

SQUARE STRUCTURE

Standard Detail	Dia. (ft) Min.	Dia. (ft) Max.	Height (ft)	Wall Thickness (in)	Wall Steel	Top Slab Thickness (in)	Top Slab Steel	Bottom Slab Thickness (in)	Bottom Slab Steel
2.6	5	7	0.0 - 5.0	8	8 x 8 W20 or #4@10"E.W	10	#6@6" E.W.	10	#5@8.5" E.W.
2.6	5	7	5.1 - 10.0	8	8 x 8 W20 or #4@10"E.W	10	#6@6" E.W.	10	#5@8.5" E.W.
2.6	5	7	10.1 - 15.0	8	8 x 8 W20 or #4@10"E.W	10	#6@6" E.W.	10	#5@8.5" E.W.

ROUND STRUCTURE

MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS	APPROVED 5/9/2018	REVISED 5/9/2018 11/28/2012 8/2/2011	STANDARD STORM DRAINAGE DETAIL MANHOLE AND INLET (TYPE J)	SD 2.6 SHEET 4 OF 4

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

SHEET NUMBER C303.19

SAGA BAY DRAINAGE IMPROVEMENTS-EAST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

PAVING GRADING AND DRAINAGE DETAILS

KHA PROJECT 043145105
DATE MAY 2025
SCALE AS SHOWN
DESIGNED BY TS
DRAWN BY DM
CHECKED BY SV

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: 8/5/2025

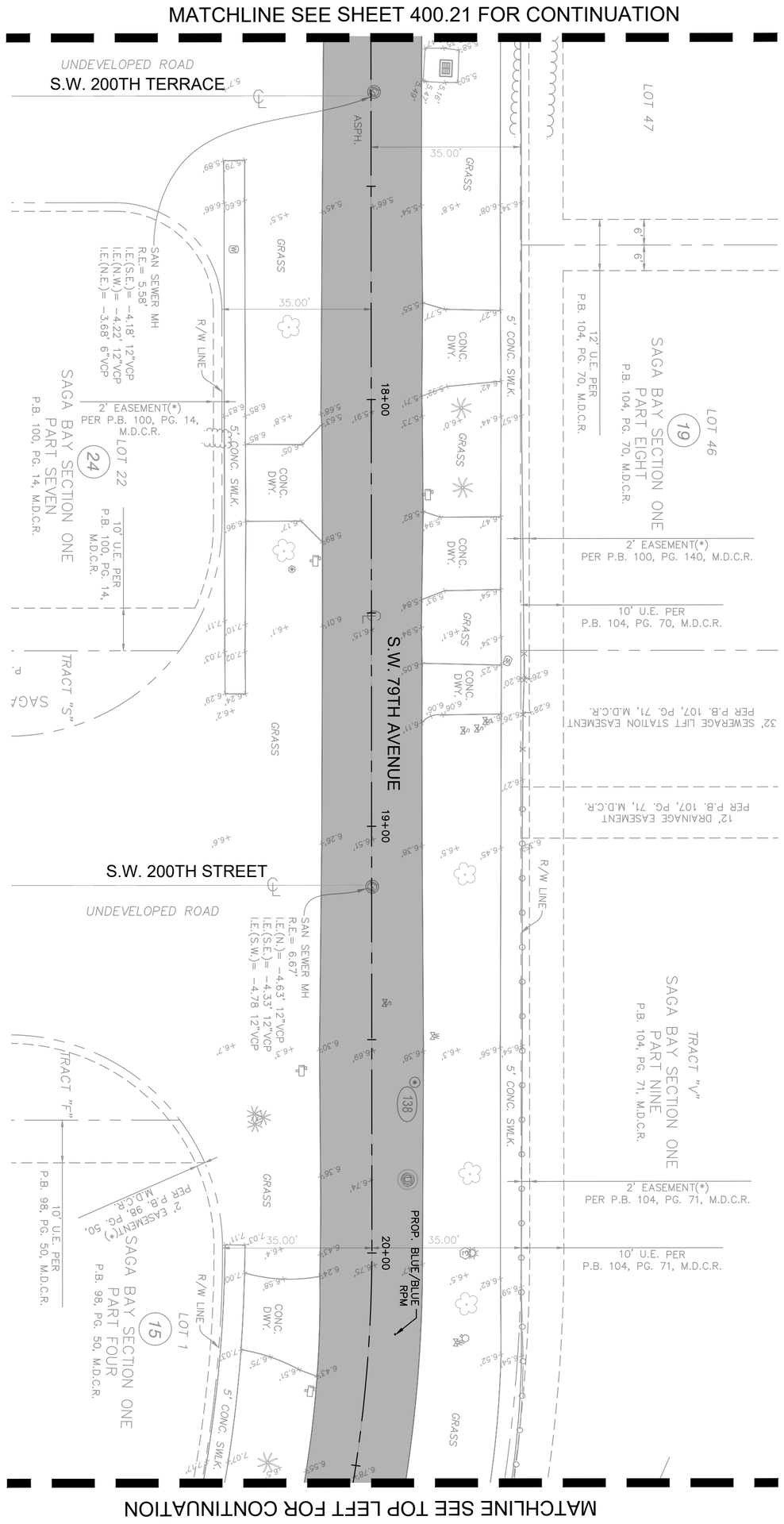
Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

No.	REVISIONS	DATE	BY

Plotted By: Beziner, Eliana Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C403.1 Signing and Pavement Marking Plan August 05, 2025 12:33:35pm K:\ftl_civil\043 jobs\043145105 saga bay drainage improvements\CAD\plansheets\C400.1 Signing and Pavement Marking Plan.dwg

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



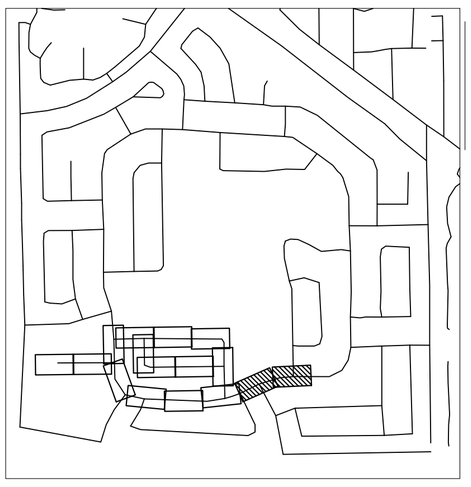
GRAPHIC SCALE IN FEET 0 10 20 39.9

NORTH

GRAPHIC SCALE IN FEET 0 10 20 40

NORTH

KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING STORM CATCH BASIN
- EXISTING SIGN
- EXISTING POWER POLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROP. PAVEMENT OVERLAY

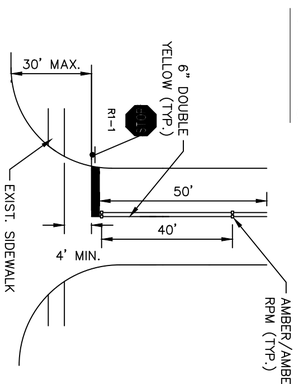
NOTES

1. ALL PAVEMENT MARKING AND SIGNING SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), MIAMI-DADE TRAFFIC ENGINEERING.
2. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. CONTRACTOR SHALL PAINT MARKINGS THEN AFTER 14 DAY CURING PERIOD PLACE THERMOPLASTIC PAVEMENT MARKINGS.
3. ONE BI-DIRECTIONAL YELLOW REFLECTIVE PAVEMENT MARKER SHALL BE PROVIDED AT 40' INTERVALS ON EACH SIDE OF DOUBLE YELLOW STRIPES AND AT 40' INTERVALS WITHIN SKIP CENTERLINE MARKINGS.

DETAILS

STOP BAR & STRIPING DETAIL

NOT TO SCALE



NOTES:

1. EXISTING STOP SIGNS AND STOP BARS SHALL BE RELOCATED AS NEEDED TO COMPLY WITH MINIMUM/MAXIMUM DIMENSIONS SHOWN. ALL RELOCATIONS SHALL BE PREFORMED AT NO ADDITIONAL COST TO THE OWNER.
2. ALL STOP BARS SHALL BE LOCATED AS PER MIAMI-DADE COUNTY STANDARD DETAIL R18.2.
3. DETAILS IN FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) ROADWAY STANDARD PLANS FOR ROAD CONSTRUCTION, AND MIAMI-DADE COUNTY PUBLIC WORKS MANUAL SHALL BE USED WHERE APPLICABLE.
4. REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED AS NOTED IN PLANS AND DETAILS. ALL STRIPING SHALL BE THERMOPLASTIC.
5. ALL EXISTING SIGNS SHALL BE PROTECTED DURING CONSTRUCTION AND SHALL REMAIN. CONTRACTOR IS RESPONSIBLE TO REPLACE/REPAIR ANY DAMAGE TO SIGNAGE AS A RESULT OF CONSTRUCTION AT NO COST TO THE OWNER.
6. ALL EXISTING PAVEMENT MARKINGS SHALL BE REPLACED FOLLOWING RESURFACING.

811 KNOW WHAT'S BELOW ALWAYS CALL BEFORE YOU DIG www.callsunshine.com

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

SHEET NUMBER C403.1

SAGA BAY DRAINAGE IMPROVEMENTS-EAST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SIGNING AND PAVEMENT MARKING PLAN

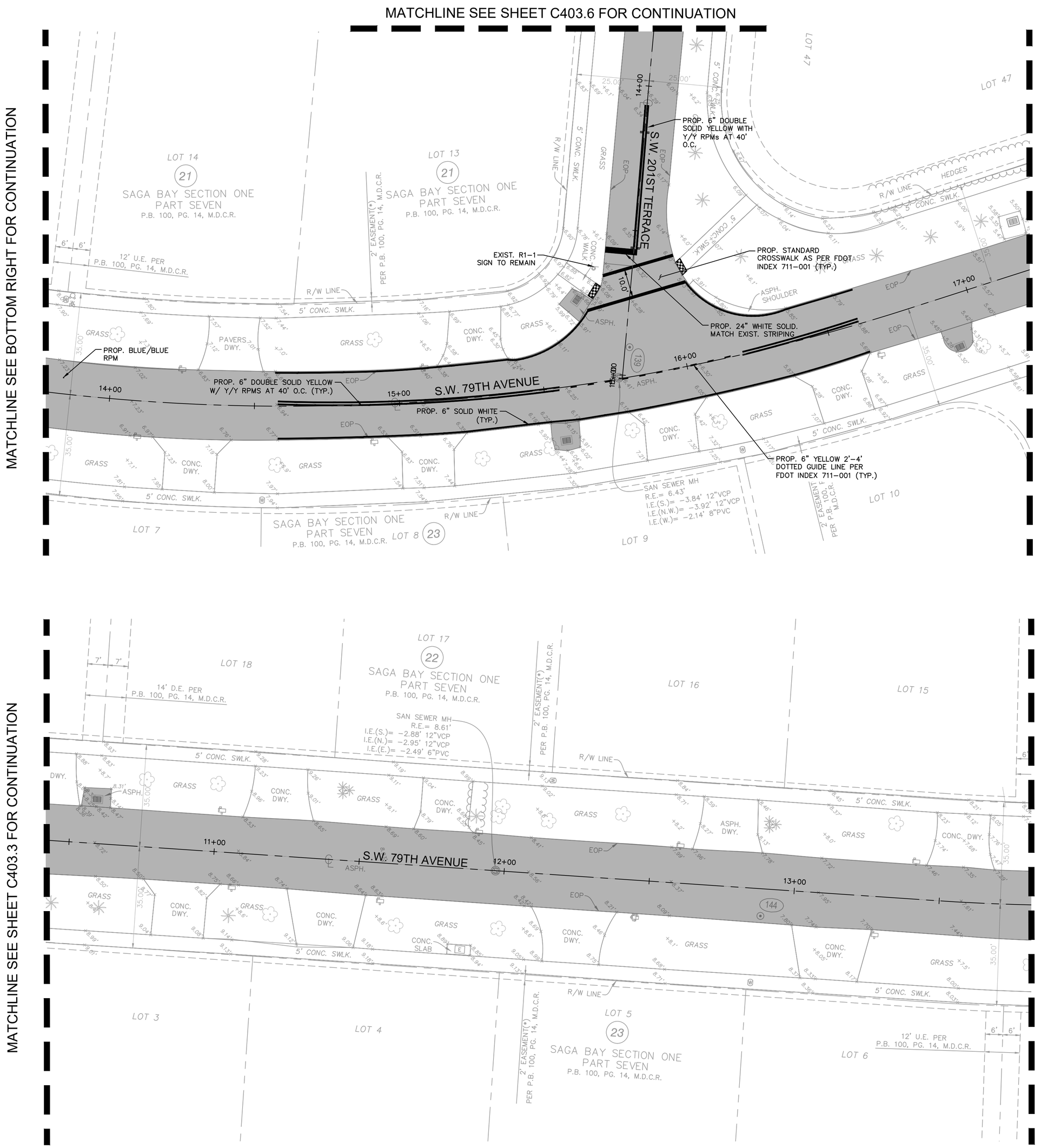
KHA PROJECT 043145105
DATE MAY 2025
SCALE AS SHOWN
DESIGNED BY TS
DRAWN BY DM
CHECKED BY SV

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: 08/05/25

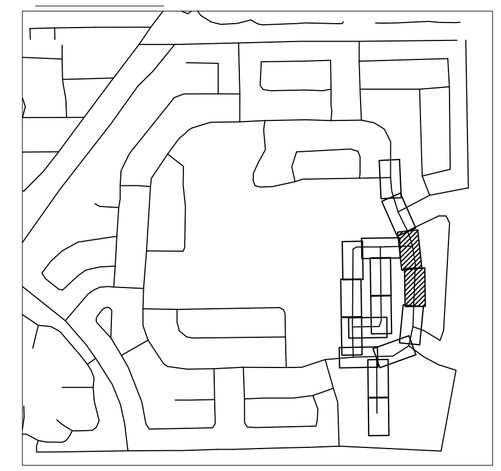
Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

No.	REVISIONS	DATE	BY



KEY MAP



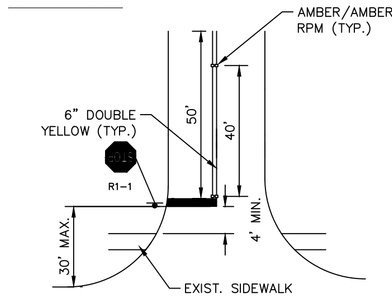
LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING STORM CATCH BASIN
- EXISTING SIGN
- EXISTING POWER POLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROP. PAVEMENT OVERLAY

NOTES

1. ALL PAVEMENT MARKING AND SIGNING SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), MIAMI-DADE TRAFFIC ENGINEERING.
2. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. CONTRACTOR SHALL PAINT MARKINGS THEN AFTER 14 DAY CURING PERIOD PLACE THERMOPLASTIC PAVEMENT MARKINGS.
3. ONE BI-DIRECTIONAL YELLOW REFLECTIVE PAVEMENT MARKER SHALL BE PROVIDED AT 40' INTERVALS ON EACH SIDE OF DOUBLE YELLOW STRIPES AND AT 40' INTERVALS WITHIN SKIP CENTERLINE MARKINGS.

DETAILS



STOP BAR & STRIPING DETAIL
NOT TO SCALE

NOTES:
1. EXISTING STOP SIGNS AND STOP BARS SHALL BE RELOCATED AS NEEDED TO COMPLY WITH MINIMUM/MAXIMUM DIMENSIONS SHOWN. ALL RELOCATIONS SHALL BE PREFORMED AT NO ADDITIONAL COST TO THE OWNER.
2. ALL STOP BARS SHALL BE LOCATED AS PER MIAMI-DADE COUNTY STANDARD DETAIL R18.2.
3. DETAILS IN FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) ROADWAY STANDARD PLANS FOR ROAD CONSTRUCTION, AND MIAMI-DADE COUNTY PUBLIC WORKS MANUAL SHALL BE USED WHERE APPLICABLE.
4. REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED AS NOTED IN PLANS AND DETAILS. ALL STRIPING SHALL BE THERMOPLASTIC.
5. ALL EXISTING SIGNS SHALL BE PROTECTED DURING CONSTRUCTION AND SHALL REMAIN. CONTRACTOR IS RESPONSIBLE TO REPLACE/REPAIR ANY DAMAGE TO SIGNAGE AS A RESULT OF CONSTRUCTION AT NO COST TO THE OWNER.
6. ALL EXISTING PAVEMENT MARKINGS SHALL BE REPLACED FOLLOWING RESURFACING.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: 10/1/2025

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

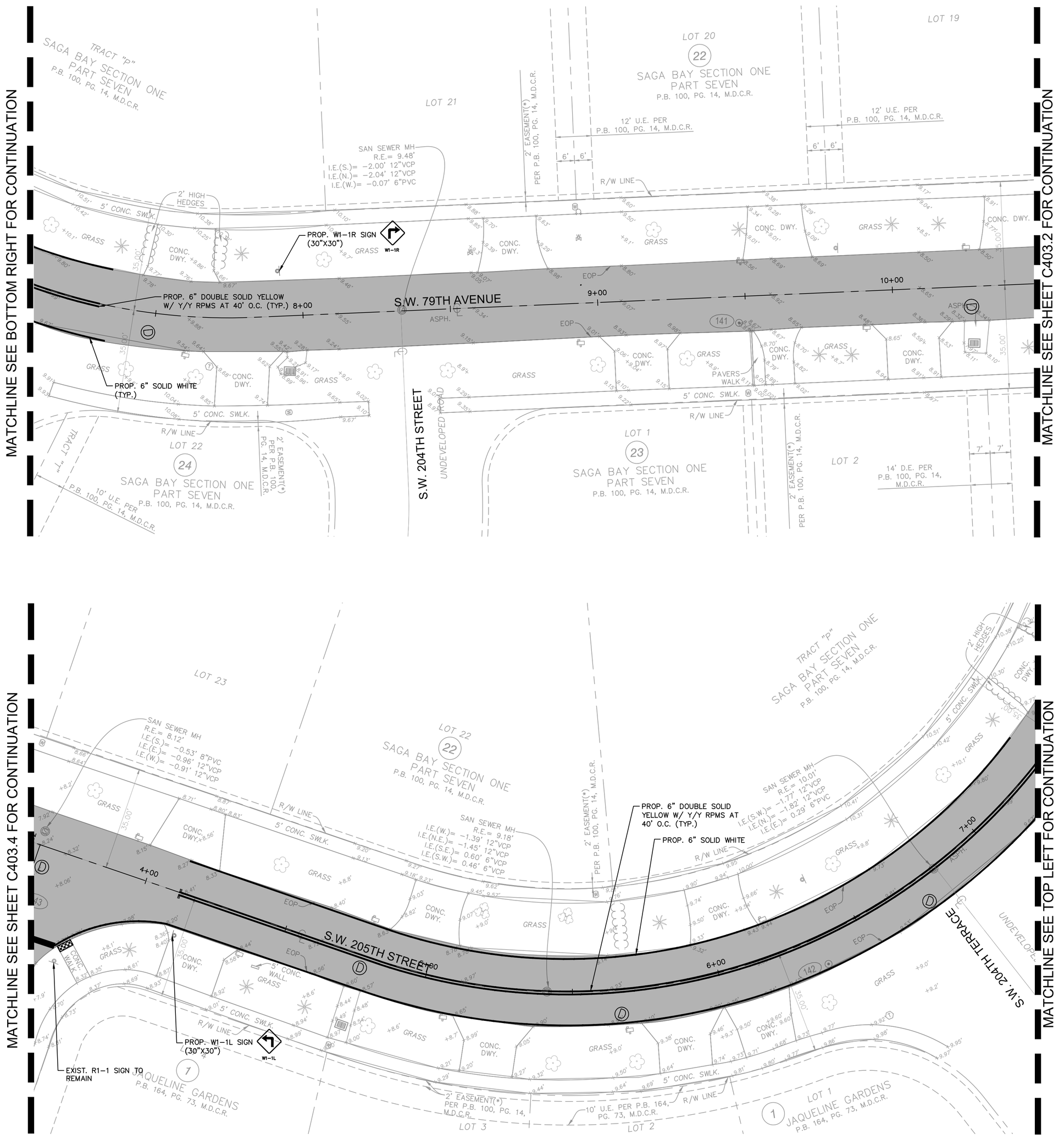
SIGNING AND PAVEMENT MARKING PLAN

SAGA BAY DRAINAGE IMPROVEMENTS-EAST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

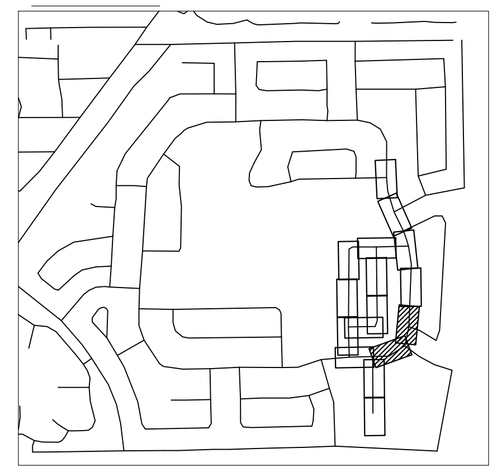
SHEET NUMBER
C403.2

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG www.callbeforeyoudig.com

Plotted By:Raziner, Eliana Sheet Set:SAGA BAY DRAINAGE IMPROVEMENTS Layout:C403.2 Signing and Pavement Marking Plan August 05, 2025 12:33:51pm K:\MI_dat\043145105.ppms bay drainage improvements\x\CAD\Volume1\x\C400.1 Signing and Pavement Marking Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.
Town of Cutler Bay | ITB No. 25-02
Saga Bay Storm Water Improvements Project
Page 232 of 232



KEY MAP



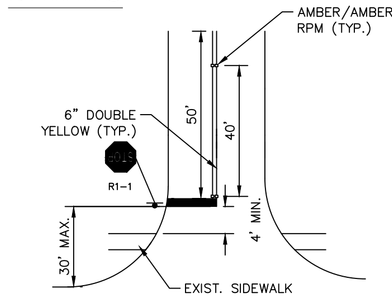
LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING STORM CATCH BASIN
- EXISTING SIGN
- EXISTING POWER POLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROP. PAVEMENT OVERLAY

NOTES

1. ALL PAVEMENT MARKING AND SIGNING SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), MIAMI-DADE TRAFFIC ENGINEERING.
2. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. CONTRACTOR SHALL PAINT MARKINGS THEN AFTER 14 DAY CURING PERIOD PLACE THERMOPLASTIC PAVEMENT MARKINGS.
3. ONE BI-DIRECTIONAL YELLOW REFLECTIVE PAVEMENT MARKER SHALL BE PROVIDED AT 40' INTERVALS ON EACH SIDE OF DOUBLE YELLOW STRIPES AND AT 40' INTERVALS WITHIN SKIP CENTERLINE MARKINGS.

DETAILS



STOP BAR & STRIPING DETAIL
NOT TO SCALE

NOTES:
1. EXISTING STOP SIGNS AND STOP BARS SHALL BE RELOCATED AS NEEDED TO COMPLY WITH MINIMUM/MAXIMUM DIMENSIONS SHOWN. ALL RELOCATIONS SHALL BE PREFORMED AT NO ADDITIONAL COST TO THE OWNER.
2. ALL STOP BARS SHALL BE LOCATED AS PER MIAMI-DADE COUNTY STANDARD DETAIL R18.2.
3. DETAILS IN FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) ROADWAY STANDARD PLANS FOR ROAD CONSTRUCTION, AND MIAMI-DADE COUNTY PUBLIC WORKS MANUAL SHALL BE USED WHERE APPLICABLE.
4. REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED AS NOTED IN PLANS AND DETAILS. ALL STRIPING SHALL BE THERMOPLASTIC.
5. ALL EXISTING SIGNS SHALL BE PROTECTED DURING CONSTRUCTION AND SHALL REMAIN. CONTRACTOR IS RESPONSIBLE TO REPLACE/REPAIR ANY DAMAGE TO SIGNAGE AS A RESULT OF CONSTRUCTION AT NO COST TO THE OWNER.
6. ALL EXISTING PAVEMENT MARKINGS SHALL BE REPLACED FOLLOWING RESURFACING.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

SIGNING AND PAVEMENT MARKING PLAN

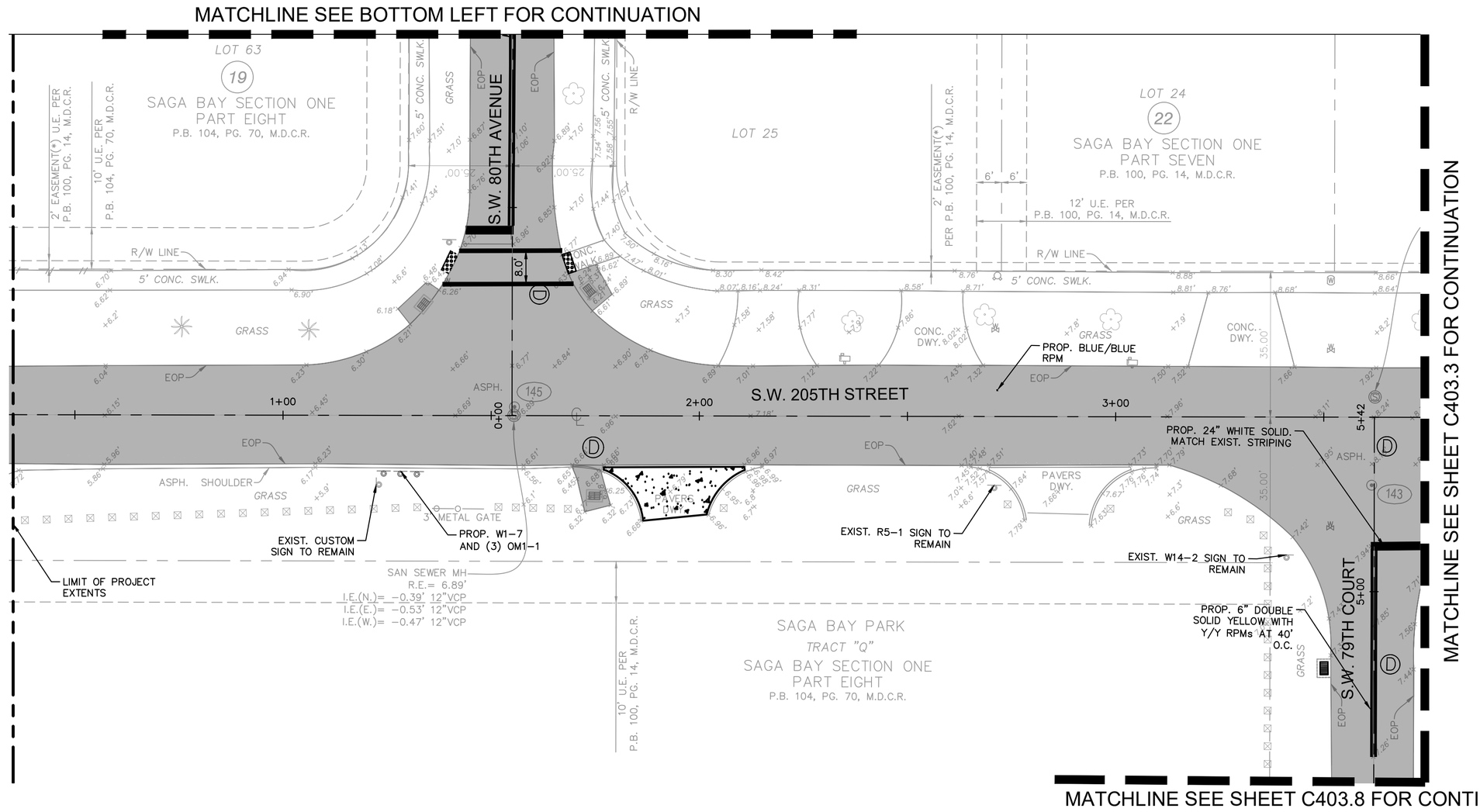
SAGA BAY DRAINAGE IMPROVEMENTS-EAST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

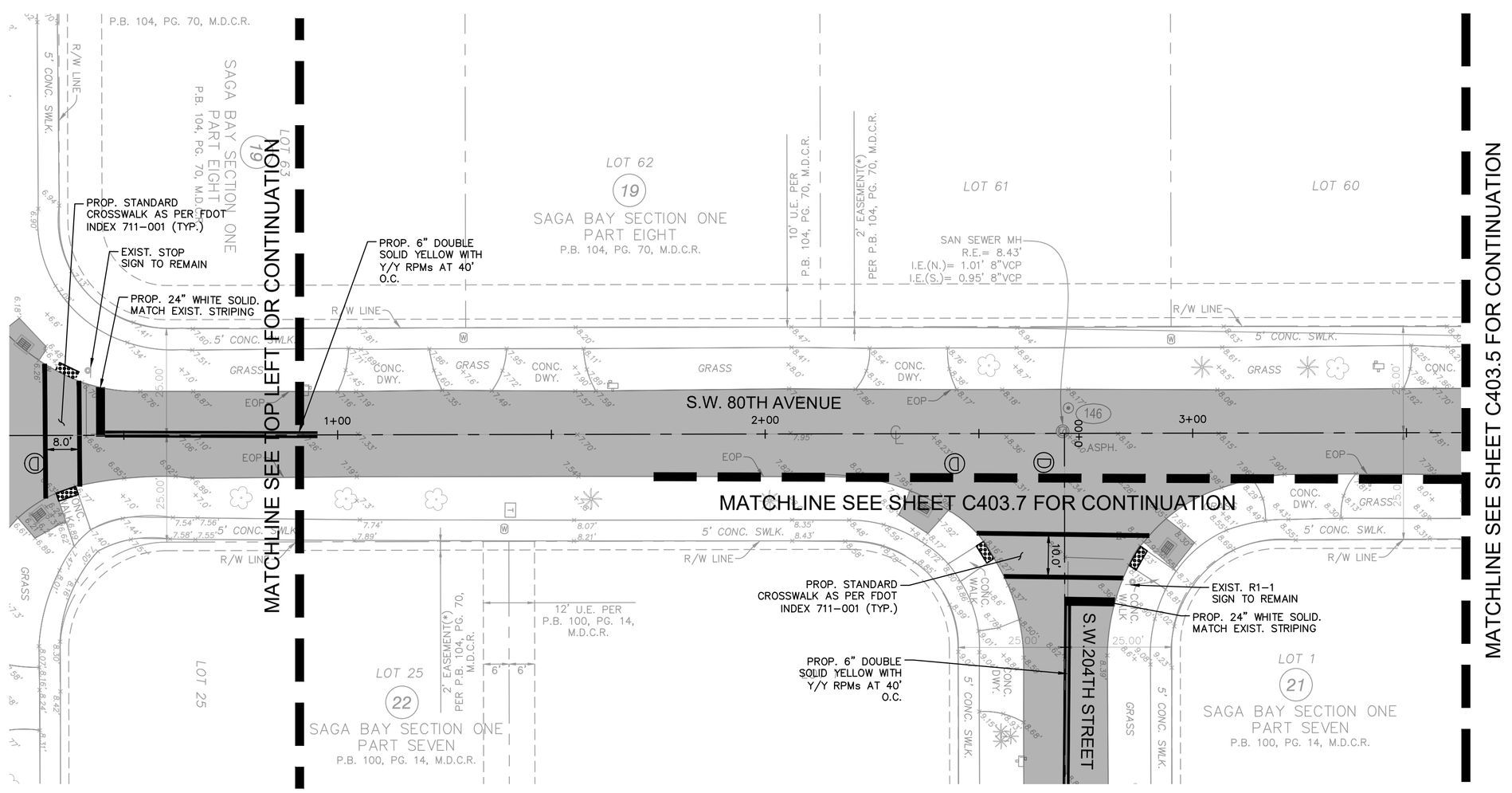
SHEET NUMBER
C403.3

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG www.callbeforeyoudig.com

Plotted By: Rodriguez, Eliana Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C403.3 Signing and Pavement Marking Plan August 05, 2025 12:34:07pm K:\MIA_civil\043145105 saga bay drainage improvements\C4D\sheetset\C4D01 Signing and Pavement Marking Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Town of Cutler Bay | ITB No. 25-04
Saga Bay Drainage Improvements Project
Page 324 of 329

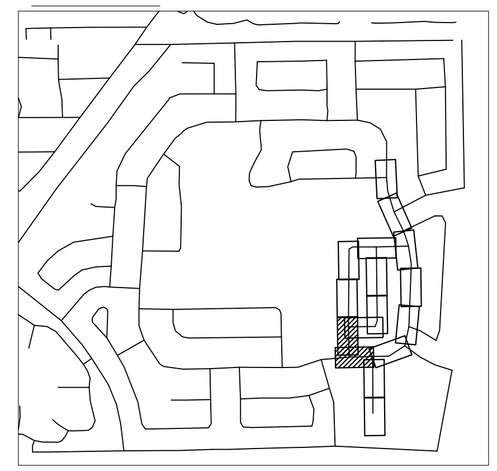




NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

KEY MAP



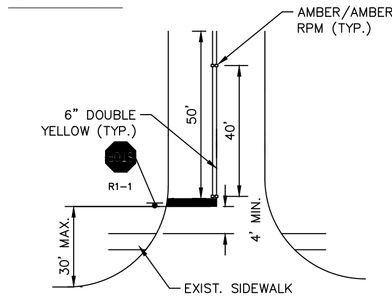
LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING STORM CATCH BASIN
- EXISTING SIGN
- EXISTING POWER POLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROP. PAVEMENT OVERLAY

NOTES

1. ALL PAVEMENT MARKING AND SIGNING SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), MIAMI-DADE TRAFFIC ENGINEERING.
2. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. CONTRACTOR SHALL PAINT MARKINGS THEN AFTER 14 DAY CURING PERIOD PLACE THERMOPLASTIC PAVEMENT MARKINGS.
3. ONE BI-DIRECTIONAL YELLOW REFLECTIVE PAVEMENT MARKER SHALL BE PROVIDED AT 40' INTERVALS ON EACH SIDE OF DOUBLE YELLOW STRIPES AND AT 40' INTERVALS WITHIN SKIP CENTERLINE MARKINGS.

DETAILS



STOP BAR & STRIPING DETAIL
NOT TO SCALE

NOTES:
1. EXISTING STOP SIGNS AND STOP BARS SHALL BE RELOCATED AS NEEDED TO COMPLY WITH MINIMUM/MAXIMUM DIMENSIONS SHOWN. ALL RELOCATIONS SHALL BE PREFORMED AT NO ADDITIONAL COST TO THE OWNER.
2. ALL STOP BARS SHALL BE LOCATED AS PER MIAMI-DADE COUNTY STANDARD DETAIL R18.2.
3. DETAILS IN FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) ROADWAY STANDARD PLANS FOR ROAD CONSTRUCTION, AND MIAMI-DADE COUNTY PUBLIC WORKS MANUAL SHALL BE USED WHERE APPLICABLE.
4. REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED AS NOTED IN PLANS AND DETAILS. ALL STRIPING SHALL BE THERMOPLASTIC.
5. ALL EXISTING SIGNS SHALL BE PROTECTED DURING CONSTRUCTION AND SHALL REMAIN. CONTRACTOR IS RESPONSIBLE TO REPLACE/REPAIR ANY DAMAGE TO SIGNAGE AS A RESULT OF CONSTRUCTION AT NO COST TO THE OWNER.
6. ALL EXISTING PAVEMENT MARKINGS SHALL BE REPLACED FOLLOWING RESURFACING.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
FILE:
DATE:

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

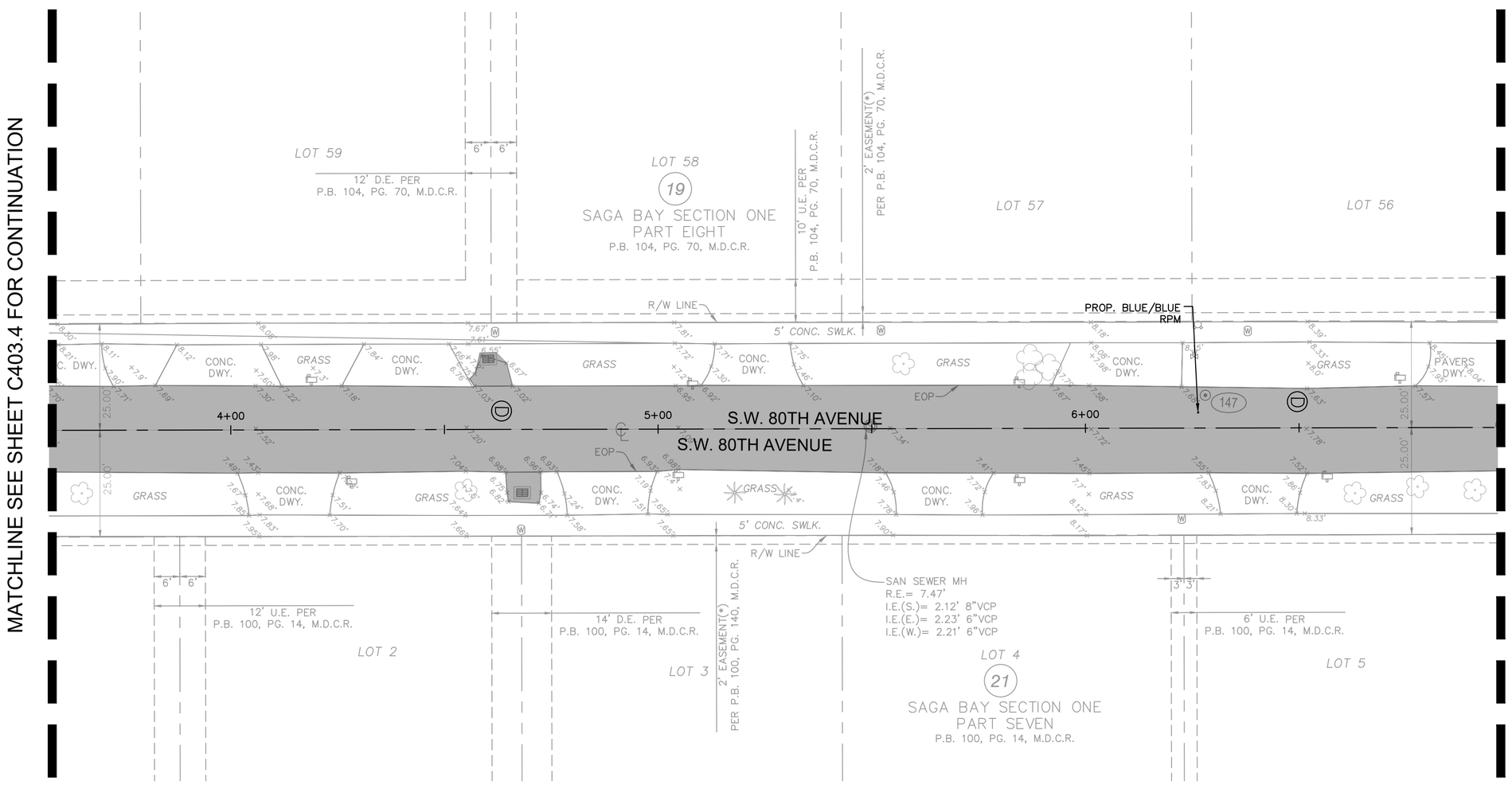
SIGNING AND PAVEMENT MARKING PLAN

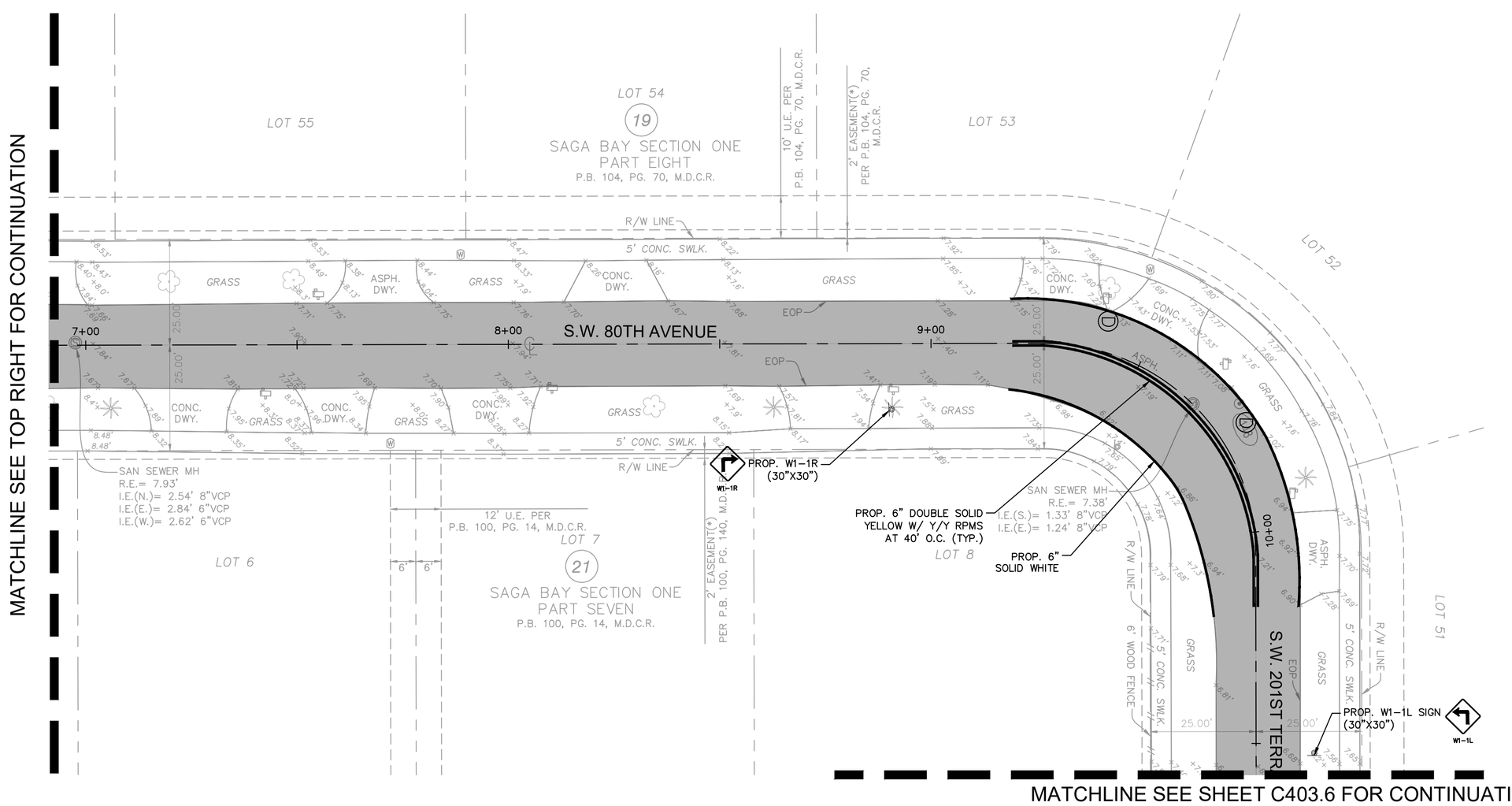
SAGA BAY DRAINAGE IMPROVEMENTS-EAST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C403.4

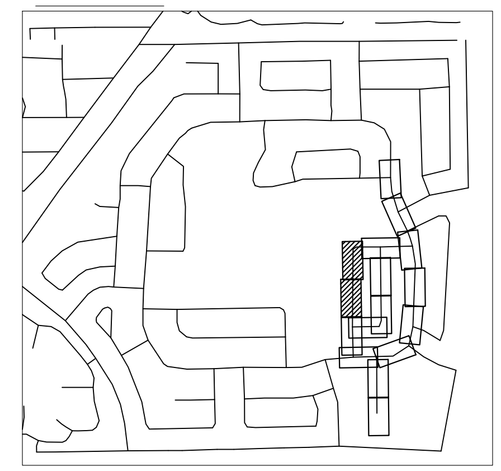
811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG www.callbeforeyoudig.com

Plotted By:Raziner Filpo Sheet Set:SAGA BAY DRAINAGE IMPROVEMENTS Layout:C403.4 Signing and Pavement Marking Plan August 05, 2025, 12:34:21pm K:\MI_civil\043145105 saga bay drainage improvements\CAD\sheetset\C4000.1 Signing and Pavement Marking Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.
Town of Cutler Bay | ITB No. 25-04
Saga Bay Drainage Improvements Project
Page 325 of 329





KEY MAP



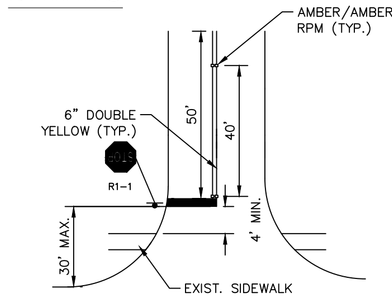
LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING STORM CATCH BASIN
- EXISTING SIGN
- EXISTING POWER POLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROP. PAVEMENT OVERLAY

NOTES

1. ALL PAVEMENT MARKING AND SIGNING SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), MIAMI-DADE TRAFFIC ENGINEERING.
2. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. CONTRACTOR SHALL PAINT MARKINGS THEN AFTER 14 DAY CURING PERIOD PLACE THERMOPLASTIC PAVEMENT MARKINGS.
3. ONE BI-DIRECTIONAL YELLOW REFLECTIVE PAVEMENT MARKER SHALL BE PROVIDED AT 40' INTERVALS ON EACH SIDE OF DOUBLE YELLOW STRIPES AND AT 40' INTERVALS WITHIN SKIP CENTERLINE MARKINGS.

DETAILS



STOP BAR & STRIPING DETAIL
NOT TO SCALE

NOTES:
1. EXISTING STOP SIGNS AND STOP BARS SHALL BE RELOCATED AS NEEDED TO COMPLY WITH MINIMUM/MAXIMUM DIMENSIONS SHOWN. ALL RELOCATIONS SHALL BE PREFORMED AT NO ADDITIONAL COST TO THE OWNER.
2. ALL STOP BARS SHALL BE LOCATED AS PER MIAMI-DADE COUNTY STANDARD DETAIL R18.2.
3. DETAILS IN FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) ROADWAY STANDARD PLANS FOR ROAD CONSTRUCTION, AND MIAMI-DADE COUNTY PUBLIC WORKS MANUAL SHALL BE USED WHERE APPLICABLE.
4. REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED AS NOTED IN PLANS AND DETAILS. ALL STRIPING SHALL BE THERMOPLASTIC.
5. ALL EXISTING SIGNS SHALL BE PROTECTED DURING CONSTRUCTION AND SHALL REMAIN. CONTRACTOR IS RESPONSIBLE TO REPLACE/REPAIR ANY DAMAGE TO SIGNAGE AS A RESULT OF CONSTRUCTION AT NO COST TO THE OWNER.
6. ALL EXISTING PAVEMENT MARKINGS SHALL BE REPLACED FOLLOWING RESURFACING.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON
FLORIDA PROFESSIONAL ENGINEER
No 85268
STATE OF FLORIDA
DATE:

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

SIGNING AND PAVEMENT MARKING PLAN

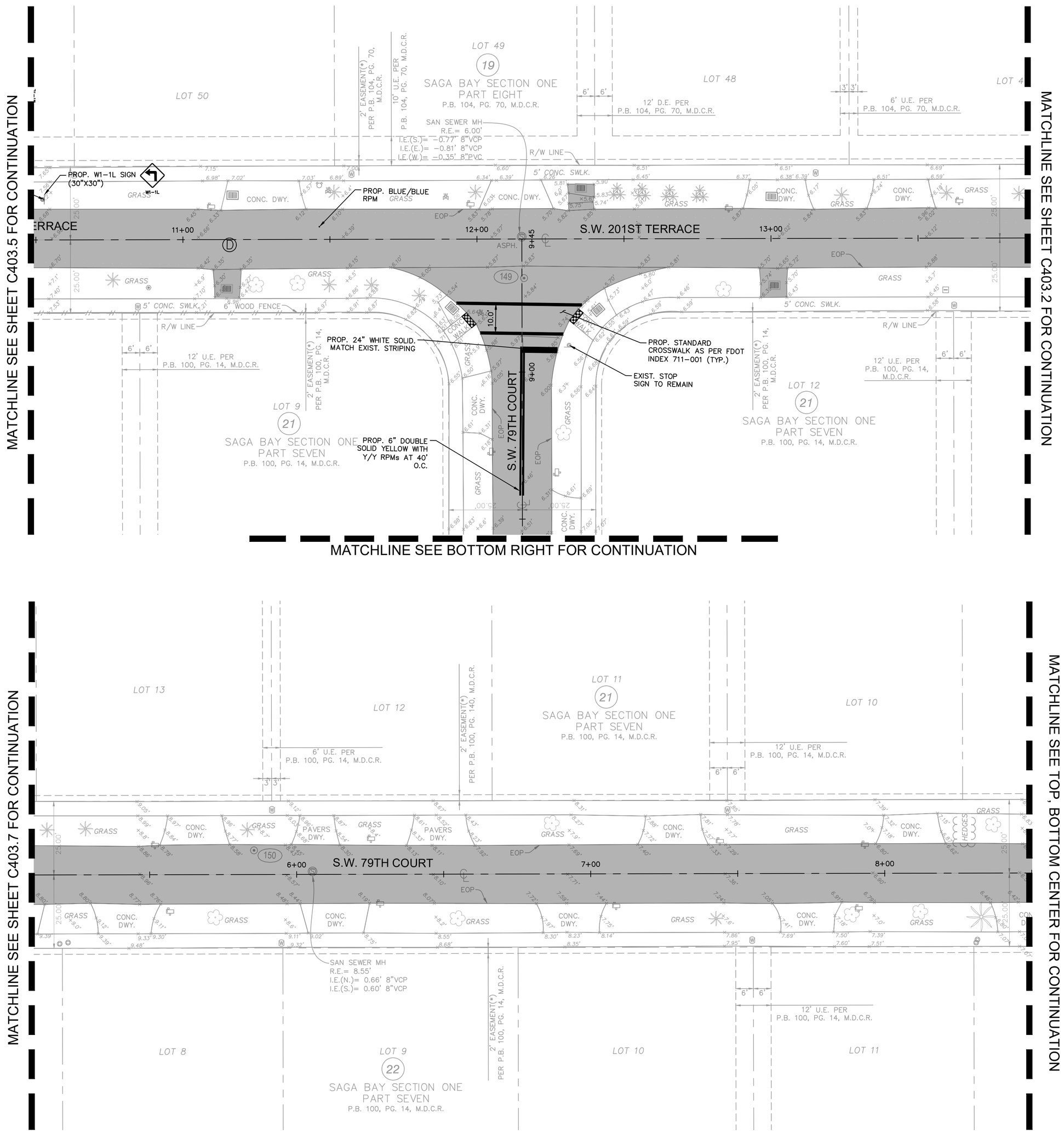
SAGA BAY DRAINAGE IMPROVEMENTS-EAST
PREPARED FOR
TOWN OF CUTLER BAY

CUTLER BAY FLORIDA

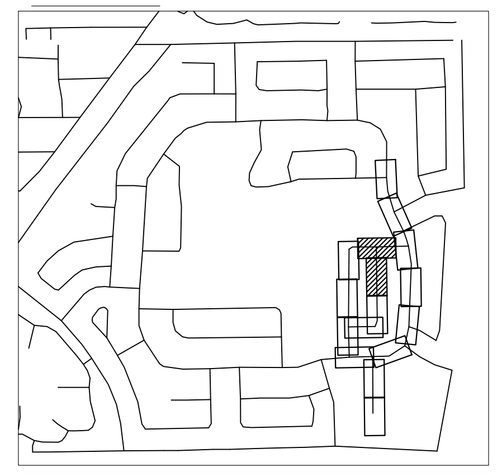
SHEET NUMBER
C403.5

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
www.callbeforeyoudig.com

Plotted By: Rainier Flores Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C403.5 Signing and Pavement Marking Plan August 05, 2025 12:34:36pm K:\MIA_civil\043145105 saga bay drainage improvements\CAD\sheetset\C400.1 Signing and Pavement Marking Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.
Town of Cutler Bay | ITB No. 25-04
Saga Bay Drainage Improvements
Page 326 of 329



KEY MAP



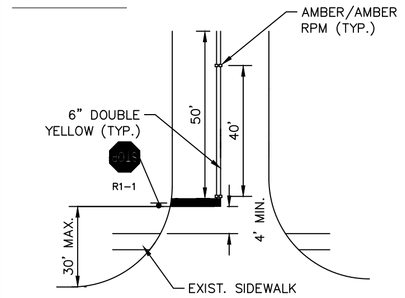
LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING STORM CATCH BASIN
- EXISTING SIGN
- EXISTING POWER POLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROP. PAVEMENT OVERLAY

NOTES

1. ALL PAVEMENT MARKING AND SIGNING SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), MIAMI-DADE TRAFFIC ENGINEERING.
2. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. CONTRACTOR SHALL PAINT MARKINGS THEN AFTER 14 DAY CURING PERIOD PLACE THERMOPLASTIC PAVEMENT MARKINGS.
3. ONE BI-DIRECTIONAL YELLOW REFLECTIVE PAVEMENT MARKER SHALL BE PROVIDED AT 40' INTERVALS ON EACH SIDE OF DOUBLE YELLOW STRIPES AND AT 40' INTERVALS WITHIN SKIP CENTERLINE MARKINGS.

DETAILS



STOP BAR & STRIPING DETAIL
NOT TO SCALE

NOTES:
1. EXISTING STOP SIGNS AND STOP BARS SHALL BE RELOCATED AS NEEDED TO COMPLY WITH MINIMUM/MAXIMUM DIMENSIONS SHOWN. ALL RELOCATIONS SHALL BE PREFORMED AT NO ADDITIONAL COST TO THE OWNER.
2. ALL STOP BARS SHALL BE LOCATED AS PER MIAMI-DADE COUNTY STANDARD DETAIL R18.2.
3. DETAILS IN FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) ROADWAY STANDARD PLANS FOR ROAD CONSTRUCTION, AND MIAMI-DADE COUNTY PUBLIC WORKS MANUAL SHALL BE USED WHERE APPLICABLE.
4. REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED AS NOTED IN PLANS AND DETAILS. ALL STRIPING SHALL BE THERMOPLASTIC.
5. ALL EXISTING SIGNS SHALL BE PROTECTED DURING CONSTRUCTION AND SHALL REMAIN. CONTRACTOR IS RESPONSIBLE TO REPLACE/REPAIR ANY DAMAGE TO SIGNAGE AS A RESULT OF CONSTRUCTION AT NO COST TO THE OWNER.
6. ALL EXISTING PAVEMENT MARKINGS SHALL BE REPLACED FOLLOWING RESURFACING.

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER

KHA PROJECT	043145105
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	TS
DRAWN BY	DM
CHECKED BY	SV

SIGNING AND PAVEMENT MARKING PLAN

SAGA BAY DRAINAGE IMPROVEMENTS-EAST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SHEET NUMBER
C403.6

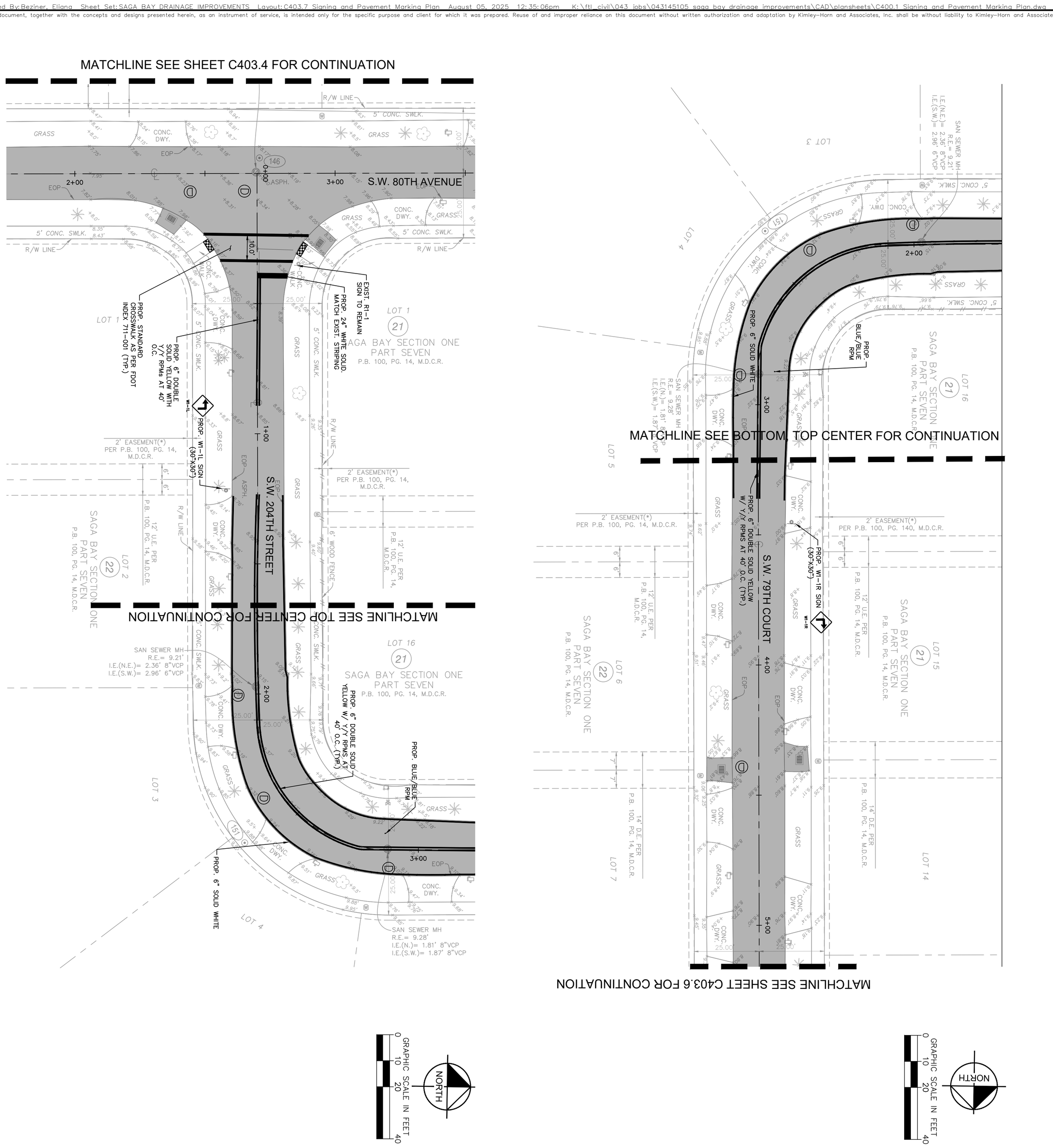
KNOW WHAT'S BELOW Call 811 BEFORE YOU DIG
811 Sunshine 811 Inc. It's the Law. It's the Law.
www.callsunshine.com

Plotted By: Rapinder Filipos Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C403.6 Signing and Pavement Marking Plan August 06, 2025 - 12:34:51pm K:\MI_dsk\043145105.zone bay drainage improvements\CAD\sheetset\C4000.1 Signing and Pavement Marking Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

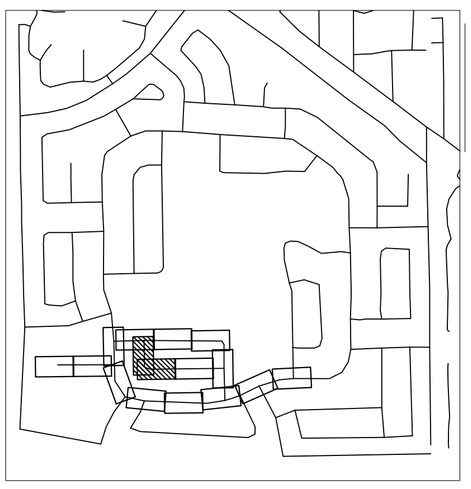
Town of Cutler Bay | ITB No. 25-04
Saga Bay Drainage Improvements Project
Page 227 of 230

Plotted By: Beziner, Eliana Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C403.7 Signing and Pavement Marking Plan August 05, 2025 12:35:06pm K:\ftl_civil\043 jobs\043145105 saga bay drainage improvements\CAD\plansheets\C400.1 Signing and Pavement Marking Plan.dwg

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



KEY MAP



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING STORM CATCH BASIN
- EXISTING SIGN
- EXISTING POWER POLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROP. PAVEMENT OVERLAY

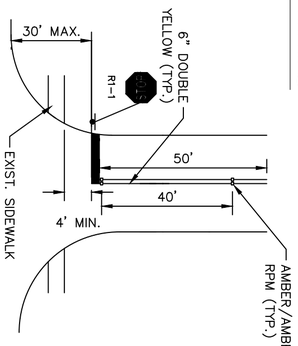
NOTES

1. ALL PAVEMENT MARKING AND SIGNING SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), MIAMI-DADE TRAFFIC ENGINEERING.
2. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. CONTRACTOR SHALL PAINT MARKINGS THEN AFTER 14 DAY CURING PERIOD PLACE THERMOPLASTIC PAVEMENT MARKINGS.
3. ONE BI-DIRECTIONAL YELLOW REFLECTIVE PAVEMENT MARKER SHALL BE PROVIDED AT 40' INTERVALS ON EACH SIDE OF DOUBLE YELLOW STRIPES AND AT 40' INTERVALS WITHIN SKIP CENTERLINE MARKINGS.

DETAILS

STOP BAR & STRIPING DETAIL

NOT TO SCALE



NOTES:

1. EXISTING STOP SIGNS AND STOP BARS SHALL BE RELOCATED AS NEEDED TO COMPLY WITH MINIMUM/MAXIMUM DIMENSIONS SHOWN. ALL RELOCATIONS SHALL BE PREFORMED AT NO ADDITIONAL COST TO THE OWNER.
2. ALL STOP BARS SHALL BE LOCATED AS PER MIAMI-DADE COUNTY STANDARD DETAIL R18.2.
3. DETAILS IN FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) ROADWAY STANDARD PLANS FOR ROAD CONSTRUCTION, AND MIAMI-DADE COUNTY PUBLIC WORKS MANUAL SHALL BE USED WHERE APPLICABLE.
4. REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED AS NOTED IN PLANS AND DETAILS. ALL STRIPING SHALL BE THERMOPLASTIC.
5. ALL EXISTING SIGNS SHALL BE PROTECTED DURING CONSTRUCTION AND SHALL REMAIN. CONTRACTOR IS RESPONSIBLE TO REPLACE/REPAIR ANY DAMAGE TO SIGNAGE AS A RESULT OF CONSTRUCTION AT NO COST TO THE OWNER.
6. ALL EXISTING PAVEMENT MARKINGS SHALL BE REPLACED FOLLOWING RESURFACING.

811 KNOW WHAT'S BELOW ALWAYS CALL BEFORE YOU DIG
It's free & it's the law
www.callsunshine.com

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

SHEET NUMBER C403.7

SAGA BAY DRAINAGE IMPROVEMENTS-EAST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SIGNING AND PAVEMENT MARKING PLAN

KHA PROJECT 043145105
DATE MAY 2025
SCALE AS SHOWN
DESIGNED BY TS
DRAWN BY DM
CHECKED BY SV

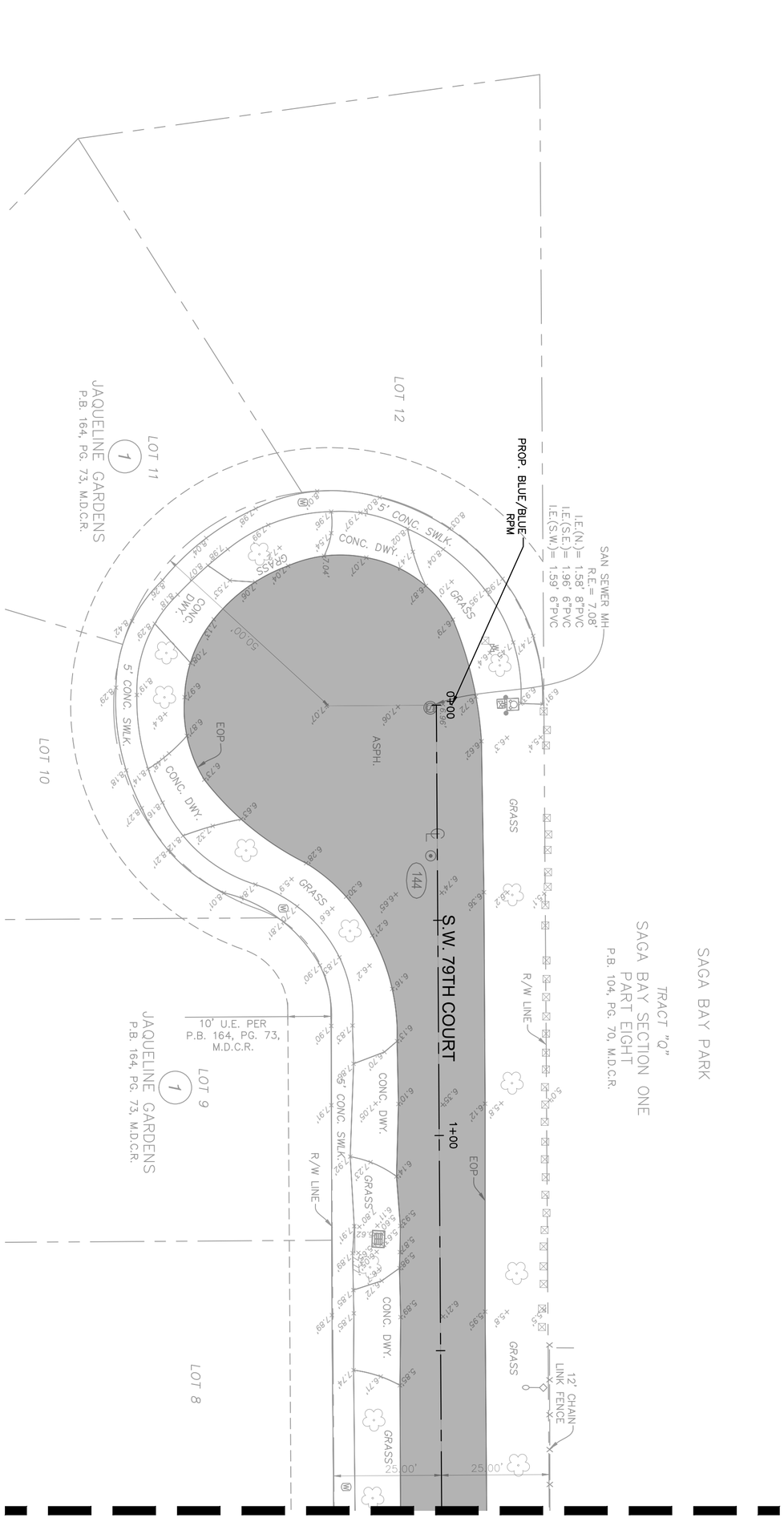
TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE:

Kimley»Horn

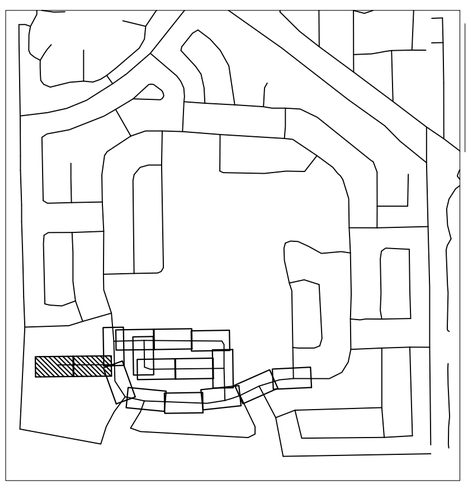
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

No.	REVISIONS	DATE	BY

Plotted By: Beziner, Eliana Sheet Set: SAGA BAY DRAINAGE IMPROVEMENTS Layout: C403.8 Signing and Pavement Marking Plan August 05, 2025 12:35:20pm K:\ftl_civil\043 jobs\043145105 saga bay drainage improvements\CAD\plansheets\C400.1 Signing and Pavement Marking Plan.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



KEY MAP



LEGEND

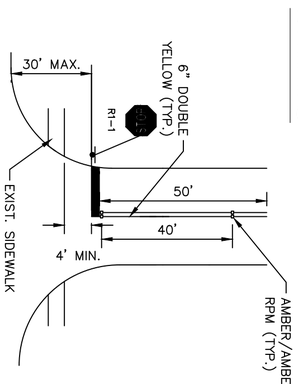
- PROPERTY LINE / RIGHT-OF-WAY
- CENTER LINE/ALIGNMENT
- EXISTING STORM CATCH BASIN
- EXISTING SIGN
- EXISTING POWER POLE
- EXISTING MAILBOX
- EXISTING VALVE
- EXISTING HYDRANT
- EXISTING GRADE
- PROP. PAVEMENT OVERLAY

NOTES

1. ALL PAVEMENT MARKING AND SIGNING SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), MIAMI-DADE TRAFFIC ENGINEERING.
2. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. CONTRACTOR SHALL PAINT MARKINGS THEN AFTER 14 DAY CURING PERIOD PLACE THERMOPLASTIC PAVEMENT MARKINGS.
3. ONE BI-DIRECTIONAL YELLOW REFLECTIVE PAVEMENT MARKER SHALL BE PROVIDED AT 40' INTERVALS ON EACH SIDE OF DOUBLE YELLOW STRIPES AND AT 40' INTERVALS WITHIN SKIP CENTERLINE MARKINGS.

DETAILS

STOP BAR & STRIPING DETAIL
NOT TO SCALE



NOTES:
1. EXISTING STOP SIGNS AND STOP BARS SHALL BE RELOCATED AS NEEDED TO COMPLY WITH MINIMUM/MAXIMUM DIMENSIONS SHOWN. ALL RELOCATIONS SHALL BE PREFORMED AT NO ADDITIONAL COST TO THE OWNER.
2. ALL STOP BARS SHALL BE LOCATED AS PER MIAMI-DADE COUNTY STANDARD DETAIL R18.2.
3. DETAILS IN FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) ROADWAY STANDARD PLANS FOR ROAD CONSTRUCTION, AND MIAMI-DADE COUNTY PUBLIC WORKS MANUAL SHALL BE USED WHERE APPLICABLE.
4. REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED AS NOTED IN PLANS AND DETAILS. ALL STRIPING SHALL BE THERMOPLASTIC.
5. ALL EXISTING SIGNS SHALL BE PROTECTED DURING CONSTRUCTION AND SHALL REMAIN. CONTRACTOR IS RESPONSIBLE TO REPLACE/REPAIR ANY DAMAGE TO SIGNAGE AS A RESULT OF CONSTRUCTION AT NO COST TO THE OWNER.
6. ALL EXISTING PAVEMENT MARKINGS SHALL BE REPLACED FOLLOWING RESURFACING.

811 KNOW WHAT'S BELOW ALWAYS CALL BEFORE YOU DIG www.callsunshine.com

This item has been digitally signed and sealed by Tiffany Stanton, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

SHEET NUMBER C403.8

SAGA BAY DRAINAGE IMPROVEMENTS-EAST
PREPARED FOR
TOWN OF CUTLER BAY
CUTLER BAY FLORIDA

SIGNING AND PAVEMENT MARKING PLAN

KHA PROJECT 043145105
DATE MAY 2025
SCALE AS SHOWN
DESIGNED BY TS
DRAWN BY DM
CHECKED BY SV

TIFFANY STANTON LICENSE No 85268 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: 10/1/25

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

No.	REVISIONS	DATE	BY