



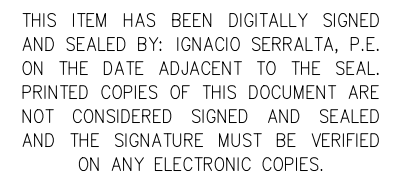
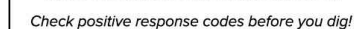
RICHARD RAMIREZ, COUNCIL MEMBER SEAT 3

INDEX OF SHEETS

A detailed street map of the project location in Miami. The map shows a grid of streets. A thick black line highlights the project area, which includes SW 88th Pl, SW 88th Ct, SW 87th Pl, SW 87th Ct, and SW 87th Av. A black arrow points to the intersection of SW 88th Pl and SW 198th St, labeled "PROJECT LOCATION". Other streets shown include SW 197th Te, SW 198th Te, SW 199th St, SW 200th St, SW 200th Ter, SW 89th Av, SW 89th Ct, SW 88th Ct, SW 87th Pl, SW 87th Ct, SW 87th Av, SW 90th Av Rd, Old Cutler Rd, and Franjo Rd.

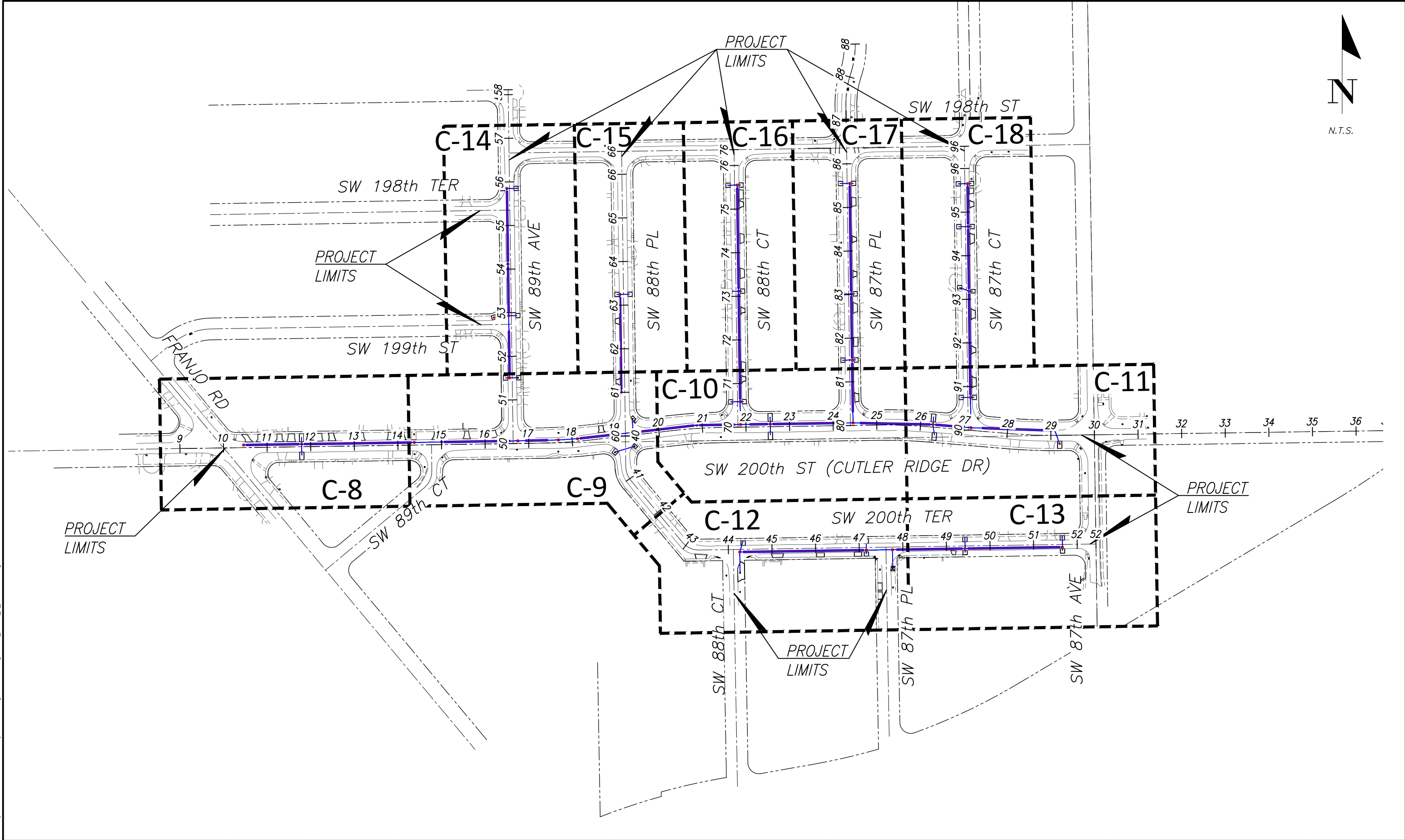
 LOCATION MAP
SCALE : N.T.S.

PREPARED BY:



<u><i>REVISIONS-SUBMITTALS</i></u>			
<u><i>REV.</i></u>	<u><i>DATE</i></u>	<u><i>BY</i></u>	<u><i>DESCRIPTION</i></u>
<i>COVER SHEET</i>			
DATE:9/25/2023		SHEET: C-1	

Filename: F:\Engineering\SRS Projects\2022\2222 - Cutler Bay - Cutler Ridge Pines\Design\2222 - PAGE_2_LAYOUT.dwg - Plot Date: 4.8.2019



REV.	DATE	BY:	DESCRIPTION

DESIGNED BY:	O.B.
DRAWN BY:	O.B.
CHECKED BY:	J.C.F.
DATE:	9/25/2023

SEAL:	
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5001 Southwest 74th Court, Suite 201
Miami, Florida 33155-4453
TEL: 305-662-8887, FAX: 305-662-8858
WWW.SRS-CORP.COM

CONSULTING ENGINEERS

EB-00007317



Cutler Bay
FLORIDA

CUTLER BAY
TOWN HALL

10720 CARIBBEAN
BOULEVARD
CUTLER BAY, FL 33189
PHONE: (305) 234-4262
FAX: (305) 234-4251

CUTLER RIDGE PINES ROADWAY AND DRAINAGE IMPROVEMENTS

PROJECT LAYOUT

SCALE:	AS SHOWN
PROJECT NO.:	2222
DWG. NO.:	SHEET:
	C-2

THE USE OF THESE PLANS AND SPECIFICATIONS SHALL BE RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED AND PUBLICATION THEREOF IS EXPRESSLY LIMITED TO SUCH USE. RE-USE, REPRODUCTION OR PUBLICATION BY ANY METHOD, IN WHOLE OR IN PART, IS PROHIBITED. VISUAL CONTACT WITH THESE PLANS AND SPECIFICATIONS SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF THE ACCEPTANCE OF THE RESTRICTIONS.

Filename: F:\Engineering\SRS Projects\2022\2222 - Cutler Bay - Cutler Ridge Pines\Design\2222_PAGE_3-5_GENERAL NOTES.dwg - Plot Date: 4/8/2019

GENERAL NOTES:

- 1
- EXISTING TOPOGRAPHIC AND TREE LOCATION INFORMATION HAS BEEN OBTAINED FROM THE SURVEY PREPARED BY: HADONNE LAND SURVEYORS AND MAPPERS ON 11/23/2022.
- 2
- ALL ELEVATIONS REFER TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD-29).
- 3
- FLOOD CRITERIA ELEVATION IS 9.56 NGVD-29 (AVERAGE) FEET BASED ON MIAMI DADE COUNTY FLOOD CRITERIA MAPS. OCTOBER WATER LEVEL 2.50 NGVD-29
https://gis-mdc.opendata.arcgis.com/datasets/county-flood-criteria-2022/explore?location=25.582428%2C-80.334180%2C17.79&style=ELEV
- 4
- IN ACCORDANCE WITH THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP (FIRM) COMMUNITY PANEL No. 120218, MAP No. 0604, SUFFIX L, THIS PROJECT IS LOCATED IN FLOOD ZONE "AH" EL. 7.00
https://gis-mdc.opendata.arcgis.com/apps/miami-dade-preliminary-flood-zones-viewer/explore
- 5
- ALL PUBLIC LAND CORNERS AND MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE PROTECTED BY THE CONTRACTOR AS FOLLOWS: CORNERS AND MONUMENTS IN CONFLICT WITH THE WORK AND IN DANGER OF BEING DAMAGED, DESTROYED OR COVERED HAVE TO BE PROPERLY REFERENCED BY A PROFESSIONAL LAND SURVEYOR IN ACCORDANCE WITH THE MINIMUM TECHNICAL STANDARDS OF THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS PRIOR TO BEGINNING WORK AT THAT SITE. THE CONTRACTOR SHALL RETAIN THE LAND SURVEYOR OF REFERENCE, AND RESTORE UPON COMPLETION OF THE WORK, ALL SUCH CORNERS AND MONUMENTS AND SHALL FURNISH TO THE ENGINEER A SIGNED AND SEALED COPY OF THE LAND SURVEYOR'S REFERENCE DRAWING.
- 6
- ALL BENCH MARK MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED AND REFERENCED BY THE CONTRACTOR IN THE SAME WAY AS PUBLIC LAND CORNERS EXCEPT THAT THE LAND SURVEYOR SHALL NOT BE REQUIRED TO RESTORE THE BENCH MARK UPON COMPLETION OF THE WORK. THE CONTRACTOR SHALL PROMPTLY TRANSMIT ALL DISPLACED OR DAMAGED N.G.V.D. DISCS TO THE ENGINEER, WHO WILL NOTIFY THE GEODETIC INFORMATION CENTER.
- 7
- ALL CONSTRUCTION ASSOCIATED WITH THIS PROJECT SHALL BE IN ACCORDANCE WITH APPLICABLE CODES & AUTHORITIES HAVING JURISDICTION, INCLUDING BUT NOT LIMITED TO THE TOWN OF CUTLER BAY PUBLIC WORKS DEPARTMENT, MIAMI-DADE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS DEPARTMENT STANDARDS, THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT), MIAMI-DADE COUNTY'S REGULATORY AND ECONOMIC RESOURCES (RER). ANY DISCREPANCY MUST BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE TOWN OF CUTLER BAY AND ENGINEER OF RECORD (EOR).
- 8
- CONTRACTOR WILL SECURE AND PAY ALL PERMIT FEES FOR THE WORK NECESSARY TO COMPLETE THIS PROJECT. CONTRACTOR SHALL COORDINATE EFFORTS WITHIN THE CITY'S PUBLIC WORKS DEPARTMENT.
- 9
- CONTRACTOR SHALL USE A STREET SWEEPER (USING WATER OR OTHER EQUIPMENT) FOR CONTROLLING AND REMOVING DUST. APPROVAL OF THE USE OF SUCH EQUIPMENT IS CONTINGENT UPON ITS DEMONSTRATED ABILITY TO DO THE WORK. CLEANING AND SWEEPING IS TO BE INCLUDED IN CONTRACTOR'S M.O.T. OR TRAFFIC PAY ITEM AND SHALL BE DONE ON A DAILY BASIS (MIN).
- 10
- PERMANENT TURNOUTS AND DRIVEWAYS CONNECTIONS TO PRIVATE PROPERTY THAT LIE OUTSIDE THE LIMITS OF RIGHT-OF-WAY AND WHERE ACCESS RIGHTS HAVE NOT BEEN ACQUIRED SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TURNOUT DETAILS AND STANDARD SPECIFICATIONS FOR THESE PLANS. THE CONTRACTOR SHALL NOT ISOLATE ADJACENT AND/OR THE REMAINDER OF THE PROPERTY UNLESS ACCESS RIGHTS ARE ACQUIRED. ACCESS SHALL BE PROVIDED TO SUCH PROPERTY WHENEVER CONSTRUCTION INTERFERES WITH THE EXISTING MEANS OF ACCESS.
- 11
- 48 HOURS PRIOR TO DIGGING CONTRACTOR SHALL COORDINATE WITH ALL UNDERGROUND UTILITY SERVICE COMPANIES TO VERIFY LOCATION OF ALL UNDERGROUND UTILITIES, ADDITIONALLY, CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE CALL OF FLORIDA, INC. (811) TO ASSURE THAT ALL UTILITIES HAVE BEEN IDENTIFIED.
- 12
- CONTRACTOR SHALL VERIFY, PHOTOGRAPH AND INVENTORY THE EXACT LOCATION OF ALL EXISTING TREES, STRUCTURES, PAVEMENT OR OTHER FEATURES. ANY EXISTING STRUCTURE, PAVEMENT, TREE OR OTHER EXISTING FEATURE THAT IS IN CONFLICT OR DAMAGED, EXPOSED OR IN ANY WAY DISTURBED BY CONSTRUCTION PERFORMED UNDER THE CONTRACT AND PROVIDE COPIES TO THE TOWN OF CUTLER BAY AND THE ENGINEER. THEY SHALL BE RESTORED PROMPTLY TO ITS ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE PROJECT.
- 13
- THE LOCATION AND SIZE OF THE UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE ONLY. THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR DURING CONSTRUCTION. ADDITIONAL UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY ALL UTILITIES BY ELECTRONIC METHODS AND BY HAND EXCAVATION IN COORDINATION WITH ALL UTILITY COMPANIES, PRIOR TO BEGINNING ANY CONSTRUCTION OPERATION, ANY AND ALL CONFLICTS OF EXISTING UTILITIES WITH PROPOSED IMPROVEMENTS MUST BE RESOLVED BY THE ARCHITECT/ENGINEER AND THE OWNER. THIS WORK BY THE CONTRACTOR SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.

- 14
- THE CONTRACTOR SHALL NOTIFY THE CITY IN WRITING AT LEAST 48 HOURS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- 15
- UNDERGROUND UTILITY INFORMATION SHOWN HEREON WAS TAKEN FROM "AS-BUILT" DATA PROVIDED BY THE VARIOUS UTILITY COMPANIES AND SUPPLEMENTED BY FIELD MEASUREMENTS WHEN OBTAINABLE.
- 16
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A PROPER STAGING AREA APPROVED BY THE TOWN OF CUTLER BAY. STOCKPILING OF MATERIAL IN ROADWAY IS NOT ALLOWED.
- 17
- UTILITIES NEEDED TO BE ADJUSTED WILL BE ADJUSTED BY OTHERS. CONTRACTOR WILL BE RESPONSIBLE FOR SCHEDULING THESE ADJUSTMENTS WITH THE UTILITY COMPANY.
- 18
- THE CONTRACTOR SHALL REQUEST THE LOCATION OF ANY WATER, SEWER OR GAS LATERALS NOT SHOWN IN THE PLANS SERVICING PROPERTIES ADJACENT TO THE PROJECT BEFORE EXCAVATING, THE ADDITIONAL COST OF EXCAVATING AROUND THE LATERALS SERVICING SAID PROPERTIES SHALL BE INCLUDED IN HIS BID.
- 19
- THE CONTRACTOR IS TO USE CAUTION WHEN WORKING, SPECIALLY IN OR AROUND AREAS OF OVERHEAD TRANSMISSION LINES AND UNDERGROUND UTILITIES.
- 20
- ANY WATER AND SEWER LINES TO BE ADJUSTED SHALL BE APPROVED BY THE MIAMI-DADE DEPARTMENT OF WATER AND SEWER. THE CONTRACTOR SHALL NOTIFY THE TOWN OF CUTER BAY FOR ANY CONFLICTS DURING CONSTRUCTION FOR ANY IMPROVEMENTS SHOWN ON THE DRAWINGS
- 21
- ALL EXISTING ROCK BASE MATERIAL WHICH IS REMOVED IS TO BE INCORPORATED IN THE STABILIZED PORTION OF THE SUBGRADE, AS DIRECTED BY THE ENGINEER.
- 22
- NONE OF THE EXISTING ROCK BASE THAT IS REMOVED IS TO BE INCORPORATED INTO THE PROPOSED LIMEROCK BASE
- 23
- ALL DISPOSAL OF EXCESS AND UNSUITABLE EXCAVATED MATERIAL, DEMOLITION, VEGETATION, RUBBISH AND DEBRIS SHALL BE MADE OUTSIDE THE LIMITS OF CONSTRUCTION AT A LEGAL DISPOSAL SITE PROVIDED BY THE CONTRACTOR AT HIS/HER OWN EXPENSE, WITH THE PRIOR APPROVAL OF THE ENGINEER. MATERIAL CLEARED FROM THE SITE SHALL NOT BE DEPOSITED ON ADJACENT AND/OR NEARBY PROPERTY.
- 24
- ALL EXCESS MATERIALS AS DESIGNATED BY THE ENGINEER ARE TO BE DISPOSED OF BY THE CONTRACTOR IN AREAS PROVIDED BY HIM AND AT THE CONTRACTOR'S EXPENSE.
- 25
- ALL DRAINAGE CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF TOWN OF CUTLER BAY AND MIAMI-DADE COUNTY DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER).
- 26
- CONTRACTOR TO PROTECT EXISTING INLETS AND DRAINAGE COMPONENTS, ADJACENT TO CONSTRUCTION, THAT MAY BE SILTED OR EXPOSED TO DEBRIS, DURING CONSTRUCTION. INLETS AND OTHER DRAINAGE COMPONENTS THAT ARE SILTED OR FULL OF DEBRIS AFTER CONSTRUCTION TO BE DESILTED/CLEANED BY CONTRACTOR PRIOR TO FINAL INSPECTION AND ACCEPTANCE.
- 27
- ALL GRASS AREAS AFFECTED BY CONSTRUCTION SHALL BE RESODDED.
- 28
- ALL UNSUITABLE MATERIAL UNDER THE PAVEMENT SHALL BE REMOVED AND REPLACED WITH ACCEPTABLE MATERIALS BEFORE PROCEEDING WITH CONSTRUCTION.
- 29
- ALL MUCK AND ORGANIC MATERIALS FOUND WITHIN THE CONSTRUCTION AREA SHALL BE REMOVED AND REPLACED WITH CLEAN FILL MATERIAL IN 6 INCH LIFTS COMPACTED TO NOT LESS THAN 95% MAXIMUM DENSITY AT OPTIMUM MOISTURE IN ACCORDANCE WITH AASHTO T-180.
- 30
- THE CONTRACTOR SHOULD TAKE SPECIAL NOTE OF THE SOIL CONDITIONS THROUGHOUT THIS PROJECT. ANY SPECIAL SHORING, SHEETING OR OTHER PROCEDURES NECESSARY TO PROTECT ADJACENT PROPERTY, EITHER PUBLIC OR PRIVATE, DURING EXCAVATION OF SUBSOIL MATERIAL AND EXFILTRATION TRENCH OR DURING THE FILING OF ANY AREA, OR FOR ANY OPERATION DURING CONSTRUCTION SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR, THE ONLY EXCEPTION WILL BE THE PROTECTION OF UTILITIES. ALL UTILITIES SHALL BE MAINTAINED BY THE OWNER OF THE UTILITY.
- 31
- ANY PUBLIC OR PRIVATE PROPERTY DAMAGED BY CONTRACTOR AT ANY TIME DURING CONSTRUCTION SHALL BE REPLACED OR REPAIRED TO ORIGINAL CONDITION, AT NO EXPENSE TO THE OWNER OR THE TOWN OF CUTLER BAY.
- 32
- EXISTING CHAIN LINK FENCE, CONCRETE WALL AND METAL FENCE WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED UNLESS OTHERWISE INDICATED.
- 33
- CONTRACTOR SHALL ADJUST ALL EXISTING VALVES BOXES, CATCH BASINS GRATES, MANHOLES COVERS, ETC. TO MEET NEW GRADES WHERE APPLICABLE.
- 34
- ALL VALVES, A.R.V.'S, AND MANHOLES TO BE RAISED AND ADJUSTED TO PROPOSED ROADWAY ELEVATION.
- 35
- SODDING TO BE USED AT LOCATIONS WHERE EXISTING LAWNS ARE DISTURBED OR AS DIRECTED BY THE ENGINEER.

- 36
- ALL TREES ARE TO REMAIN, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. CONTRACTOR MUST TAKE CARE NOT TO DAMAGE ANY TREE OR PALM WITHIN CONSTRUCTION AREA. SMALL TREES OR PALMS MAY BE RELOCATED AS DIRECTED BY THE TOWN OF CUTLER BAY. TREE PERMIT MUST BE OBTAINED PRIOR TO CONSTRUCTION. THERE ARE LARGE TREES WITH EXTENSIVE ROOT NETWORKS ON THE GROUND THAT ARE IMPACTING ADJACENT SIDEWALKS, CURBS AND PAVEMENT. THE CONTRACTOR SHALL BE REQUIRED TO COORDINATE WITH AN ARBORIST TO ENSURE THAT ROOT AND TREE PRUNING ACTIVITIES ARE CONDUCTED IN A MANNER THAT IT DOES NOT HARM OR DESTROY THE TREE.
- 37
- RADII ON CURB RETURNS ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- 38
- PROVIDE A SMOOTH TRANSITION WHERE NEW PAVEMENT, SIDEWALK, OR CURB MEETS EXISTING GRASS AREAS.
- 39
- PRIOR TO REMOVAL AND/OR RELOCATION OF EXISTING TREES, IF REQUIRED, THE CONTRACTOR MUST OBTAIN APPROVAL FROM THE TOWN OF CUTLER BAY AS WELL AS D.E.R.M. OTHERWISE CONTRACTOR SHALL PROTECT EXISTING TREES WHERE APPLICABLE WITHIN THE LIMITS OF CONSTRUCTION
- 40
- WHERE NEW PAVEMENT MEETS EXISTING CONNECTION SHALL BE MADE IN A NEAT STRAIGHT LINE AND FLUSH WITH EXISTING PAVEMENT. SAW CUT AT EXISTING PAVEMENT JOINT MATCHING TO NEW PAVEMENT.
- 41
- ANY DISCREPANCY FOUND BETWEEN THE PLANS AND THE QUANTITIES SHEET MUST BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE MUNICIPALITY/COUNTY AND ENGINEER OF RECORD (EOR). AN R.F.I. MUST BE PROVIDED AND SHOULD OUTLINE THE SPECIFIC ISSUE OR DISCREPANCY, PROVIDE SUPPORTING DOCUMENTATION OR EVIDENCE, AND SEEK CLARIFICATION OR APPROVAL BEFORE PROCEEDING WITH THE PROJECT/TASK.

DRAINAGE

- 1
- CONTRACTOR SHALL KEEP NEW AND EXISTING INLETS CLEAN OF PAVING MATERIALS AND DEBRIS. INLETS LOCATED NEAR CONSTRUCTION ACTIVITIES SHOULD BE PROTECTED BY APPROPRIATE EROSION CONTROL DEVICES.
- 2
- THERE SHALL BE NO MORE THAN 3 LATERAL DRAINAGE INSTALLATION WITHOUT BACKFILLING. LATERAL DRAINAGE SHALL NOT LAG MORE THAN 72 HOURS BEHIND THE START OF EXCAVATION.
- 3
- GRADES SHOWN ARE "FINISHED" GRADES.
- 4
- DRAINAGE SYSTEM SHALL BE CLEANED AND DESILTED PRIOR TO PW FINAL INSPECTION APPROVAL.
- 5
- EXISTING STRUCTURES AND PIPES TO REMAIN WITHIN LIMITS OF CONSTRUCTION SHALL BE VACUUM CLEANED.
- 6
- ANY EXISTING DRAINAGE COMPONENTS TO REMAIN THAT ARE DAMAGED AS A RESULT OF THE CONSTRUCTION ARE TO BE RESTORED TO EXISTING EQUIVALENT OR BETTER CONDITIONS AT THE CONTRACTOR'S EXPENSE.

PRE-CONSTRUCTION RESPONSIBILITIES

- 1
- PRIOR TO THE COMMENCEMENT OF THE CONSTRUCTION AND THE RECEIPT OF THE "NOTICE TO PROCEED" THE CONTRACTOR SHALL CONTACT THE TOWN OF CUTLER BAY AND ARRANGE A PRE-CONSTRUCTION CONFERENCE TO INCLUDE THE ENGINEER OF RECORD. THE CONTRACTOR SHALL SUBMIT A CONSTRUCTION SCHEDULE AND BE PREPARED TO DISCUSS ANY CONCERNS OR COORDINATION EFFORTS AND REQUIREMENTS WITH THE PARTIES INVOLVED.
- 2
- THE CONTRACTOR SHALL OBTAIN A SUNSHINE STATE ONE CALL OF FLORIDA, INC. CERTIFICATION NUMBER AT LEAST 48 HOURS PRIOR TO BEGINNING ANY EXCAVATION. CONTACT 811, WWW.SUNSHINE811.COM

PROJECT RECORD DOCUMENTS

- 1
- DURING THE DAILY PROGRESS OF THE JOB THE CONTRACTOR SHALL RECORD THE EXACT LOCATION, LENGTH, AND ELEVATION OF ALL PROPOSED IMPROVEMENTS ON HIS SET OF CONSTRUCTION DRAWINGS.
- 2
- UPON COMPLETION OF CONSTRUCTION AND PRIOR TO FINAL PAYMENT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER TWO COMPLETE SETS OF ALL "AS-BUILT" CONSTRUCTION DRAWINGS, THE DRAWINGS SHALL INCLUDE CHANGES AND DIMENSIONS, LOCATIONS AND ELEVATIONS OF ALL IMPROVEMENTS AND SHALL BE IN ACCORDANCE WITH THE "SURVEY WORK" SECTION OF THE "SPECIFICATIONS AND CONTRACT DOCUMENTS" FOR THIS PROJECT.
- 3
- ALL "AS-BUILT" INFORMATION AND ELEVATIONS SHALL BE CERTIFIED BY A FLORIDA REGISTERED LAND SURVEYOR AND ALL FINAL MEASUREMENTS ARE TO BE IN THE FORM OF FIELD NOTES, PLANS AND CD (PDF FORMAT).

				DESIGNED BY: O.B.	SEAL:	 <div>5001 Southwest 74th Court, Suite 201 Miami, Florida 33155-4453 TEL. 305-662-8887, FAX 305-662-8858 WWW.SRS-CORP.COM</div>	 <div>CUTLER BAY TOWN HALL 10720 CARIBBEAN BOULEVARD CUTLER BAY, FL 33189 PHONE: (305) 234-4262 FAX: (305) 234-4251</div>	CUTLER RIDGE PINES ROADWAY AND DRAINAGE IMPROVEMENTS	GENERAL NOTES	SCALE: AS SHOWN	
				DRAWN BY: O.B.						PROJECT NO.: 2222	
				CHECKED BY: J.C.F.						DWG. NO.:	SHEET:
REV.	DATE	BY:	DESCRIPTION	DATE: 9/25/2023							C-3

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UTILITIES

- 1 TWO FULL BUSINESS DAYS (48 HOURS) PRIOR TO DIGGING, THE CONTRACTOR SHALL CONTACT 811,
WWW.SUNSHINE811.COM TO REQUEST UTILITY LOCATIONS BEFORE BEGINNING ANY CONSTRUCTION
ACTIVITIES.
- 2 EXISTING UTILITIES SHALL BE MAINTAINED IN SERVICE DURING CONSTRUCTION UNLESS OTHERWISE
APPROVED BY THE UTILITY OWNER. ALL EXISTING UTILITIES ARE TO REMAIN UNLESS OTHERWISE
NOTED.
- 3 IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO (VERTICALLY AND HORIZONTALLY)
PROTECT ALL EXISTING UTILITIES ON THIS PROJECT. ANY DAMAGE TO UTILITIES SHALL BE
IMMEDIATELY REPORTED TO THE UTILITY OWNER. THE OWNER RESERVES THE RIGHT TO REMEDY
SUCH DAMAGE BY ORDERING OUTSIDE PARTIES TO MAKE SUCH REPAIRS AT THE EXPENSE TO THE
CONTRACTOR.
- 4 THE CONTRACTOR IS ADVISED THAT PROPERTIES ADJACENT TO THE PROJECT HAVE ELECTRIC,
TELEPHONE, GAS, WATER AND/OR SEWER SERVICE LATERALS WHICH MAY NOT BE SHOWN IN PLANS.
THE CONTRACTOR MUST REQUEST THE LOCATION OF THESE LATERAL SERVICES FROM THE UTILITY
COMPANIES. THE ADDITIONAL COST OF EXCAVATING, INSTALLING, BACKFILLING AND COMPACTING
AROUND THESE LATERAL SERVICES MUST BE INCLUDED IN THE BID RELATED ITEM FOR THE WORK
BEING DONE.
- 5 UTILITY OWNERS:
- | | | | |
|--------------------------|--------------|--------------------------|--------------|
| – ATLANTIC BROADBAND | 786-251-5989 | – FLORIDA POWER & LIGHT | 386-586-6403 |
| – COMCAST CABLE | 954-447-8405 | – LEVEL 3 COMMUNICATIONS | 786-256-1554 |
| – FLORIDA CITY GAS | 786-575-8547 | – M-D WATER & SEWER | 786-268-5320 |
| – PUBLIC WORKS & TRAFFIC | 786-345-0986 | – AT&T | 561-997-0240 |

ENVIRONMENTAL NOTES

- 1 DUE TO THE LIMITED SCOPE OF WORK, NO IMPACTS TO EXISTING HISTORICAL AND CULTURAL
RESOURCES ARE EXPECTED AS A RESULT OF THE PROPOSED ACTION.
- 2 NO STAGING OR OTHER ACTIVITIES FOR THIS PROJECT SHOULD OCCUR WITHIN THE DRIPLINE OF
EXISTING TREES.
- 3 PREVENT DAMAGING TREES AND PLANTERS WITHIN OR IMMEDIATELY ADJACENT TO THE PROJECT'S
RIGHT-OF-WAY.
- 4 AN ARBORIST CERTIFIED BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE SHALL BE PRESENT ON
SITE TO MONITOR CONSTRUCTION ACTIVITIES NEAR EXISTING TREES AND DIRECT ALL ROOT PRUNING
AND/OR CANOPY TRIMMING ACTIVITIES.
- 5 TREE PROTECTION SHOULD BE INSTALLED AROUND TREES TO REMAIN LOCATED ADJACENT TO
CONSTRUCTION ACTIVITIES PER FDOT STANDARDS PLANS FY 2023-24, INDEX 110-100
- 6 THE CONTRACTOR SHALL NOT REMOVE, RELOCATE OR PRUNE ANY TREES WITHOUT PRIOR APPROVAL
FROM THE TOWN. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS FROM THE TOWN OF
CUTLER BAY PUBLIC WORKS DEPARTMENT PRIOR TO ANY TREE REMOVAL/RELOCATION.
- 7 CONTRACTOR SHALL REMOVE/CONTROL DUST USING WATER OR OTHER EQUIPMENT CAPABLE OF
CONTROLLING DUST.
- 8 THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A DERM CLASS V DEWATERING PERMIT IF
DEWATERING IS PROPOSED.

TRAFFIC CONTROL PLANS

- 1 TRAFFIC CONTROLS SHALL BE IN ACCORDANCE WITH THE PROJECT PLANS, THE CURRENT EDITION
OF THE FDOT, STANDARDS PLANS FY 2023-24 (102 SERIES), THE STANDARD SPECIFICATION FOR
ROAD AND BRIDGE CONSTRUCTION, AND 2009 (MUTCD) MANUAL OF UNIFORM CONTROL DEVICE FOR
STREETS AND HIGHWAYS, EDITION WITH REVISION NUMBERS 1, 2, AND 3, DATED JULY 2022
- 2 NOTIFICATION OF LANE CLOSURES OR TEMPORARY DETOURS SHALL BE ACCOMPLISHED 14 WORKING
DAYS PRIOR TO CLOSURE. DETOUR OR MOT PHASE CHANGE SHALL BE SUBMITTED WITH THE
REQUIRED LANE CLOSURE FORM, SKETCHES, CALCULATIONS, AND OTHER DATA TO PUBLIC WORKS
DEPT.
- 3 AT THE DISCRETION OF THE ENGINEER, IF A LANE CLOSURE CAUSES EXTENDED CONGESTION OR
DELAY, THE CONTRACTOR SHALL BE DIRECTED TO REOPEN THE CLOSED LANE(S) UNTIL SUCH TIME
THAT THE TRAFFIC FLOW HAS RETURNED TO AN ACCEPTABLE LEVEL.
- 4 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.
- 5 LANE CLOSURE SHALL OCCUR ONLY DURING NON-PEAK HOURS ON NON-EVENT
DAYS/NIGHTS/WEEKENDS. NON PEAK HOURS 9:00 AM TO 3:30 PM WEEKDAYS AND SATURDAYS.
EXCEPTIONS MAY BE GRANTED UPON WRITTEN REQUEST TO THE CITY.
- 6 TRAFFIC CONTROL PLANS FOR ALL PHASES ARE DESIGNED FOR NON-PEAK HOURS ONLY. THE
CONTRACTOR SHALL KEEP ALL EXISTING LANES OPEN DURING PEAK HOURS IN THESE PHASES.

- 7 AS DETERMINED BY THE ENGINEER, THE CONTRACTOR SHALL COVER WORK ZONE SIGNS WHEN CONDITIONS NO LONGER WARRANT THEIR USE. COST OF COVERING AND UNCOVERING THE SIGNS SHALL BE INCLUDED IN MAINTENANCE OF TRAFFIC PAY ITEM.
- 8 CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMMEDIATE REMOVAL OF STORM WATER FROM ROADWAYS UTILIZED FOR MAINTAINING TRAFFIC IN A MANNER APPROVED BY THE ENGINEER. COST FOR REMOVING THE WATER SHALL BE INCLUDED IN MAINTENANCE OF TRAFFIC PAY ITEM.
- 9 TEMPORARY LANE TRANSITIONS, SHIFTS, AND CROSSEOVERS SHALL HAVE SOLID LANE AND EDGE LINES FOR THE LENGTH OF THE TRANSITION, SHIFT OR CROSSEOVER. IN ADDITION, SOLID LANE AND EDGE LINES SHALL EXTEND 100 FT ON TANGENT BEYOND EACH END OF THE TRANSITION, SHIFT, OR CROSSEOVER. EXCEPTION SHALL BE THROUGH INTERSECTIONS WHERE 2 FT TO 4 FT SKIP LINES WILL BE PLACED.
- 10 ALL TEMPORARY STRIPES AND MARKINGS SHALL BE PAINT ONLY, UNLESS OTHERWISE SPECIFIED ON THE PLANS OR APPROVED BY THE ENGINEER. COST OF TEMPORARY STRIPING SHALL BE INCLUDED IN MOT PAY ITEM.
- 11 EACH EXISTING STREET NAME AND STOP SIGN AFFECTED BY CONSTRUCTION SHALL BE RELOCATED AND MAINTAINED IN AN APPROPRIATE LOCATION FOR THE DURATION OF THE PROJECT. WHEN NO LONGER AFFECTED BY CONSTRUCTION, THESE SIGNS SHALL BE RESTORED TO THEIR ORIGINAL POSITION. COST OF TEMPORARILY RELOCATING AND RESTORING THE SIGNS SHALL BE INCLUDED IN MAINTENANCE OF TRAFFIC PAY ITEM.
- 12 FOR DROP OFFS, THE CONTRACTOR'S SHALL FOLLOW TO THE FDOT, STANDARDS PLANS FY 2023-24 INDEX NO. 102-600 SHEET 8 OF 11. THE CONTRACTOR SHALL USE SHOULDER TREATMENT DETAIL WHEN NO BARRIERS ARE REQUIRED IN THE PLANS
- 13 CONTRACTOR SHALL PREPARE AND SUBMIT AN ACCEPTABLE MOT PLAN FOR THE PROJECT. THE MOT PLAN SHALL BE SUBMITTED TO THE TOWN OF CUTLER BAY'S PUBLIC WORKS DEPARTMENT FOR REVIEW AND APPROVAL.
- 14 LANE CLOSURES SHALL NOT BE PERMITTED DURING SCHOOL SPEED ZONE HOURS WHERE SUCH CLOSURES WILL AFFECT TRAFFIC FLOW IN THE VICINITY OF THE SCHOOL SPEED ZONES.

WORK ZONE LIMITS

- 1 THE LENGTH OF AN OPEN TRENCH SHALL NOT EXCEED 500 FT. PROPERTY ACCESS SHALL BE MAINTAINED IN ACCORDANCE TO ARTICLE 102- 5.5 OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION LATEST EDITION.
- 2 NO MORE THAN TWO BLOCKS OF STREET SHALL BE UNDER CONSTRUCTION AT A TIME AND ALL WORK AND RESTORATION SHALL BE COMPLETED ON ONE OF SUCH BLOCKS BEFORE WORK MAY BEGIN IN A NEW BLOCK. FINAL RESURFACING SHALL BE PLACED WITHIN 48 HOURS OF THE MILLING OPERATION.

INTERSECTIONS

- 1 ADJACENT INTERSECTIONS SHALL NOT BE CONSTRUCTED SIMULTANEOUSLY UNLESS DIRECTED BY THE
ENGINEER
- 2 INTERSECTIONS SHALL BE RECONSTRUCTED WORKING ON A CONTINUOUS DAILY BASIS UNTIL
COMPLETE AND UNTIL THE STRUCTURAL COURSE IS PLACED.
- 3 M.O.T. TRANSITIONS AND TEMPORARY INTERSECTION CROSSOVERS WHERE CONSTRUCTION HAS
CAUSED GRADE DIFFERENCES BETWEEN THE EXISTING AND NEW ROADWAYS SHALL BE CONSTRUCTED
USING A 1:20 TYPE SP ASPHALT CONCRETE SLOPE TO ACCOMMODATE VEHICULAR TRAFFIC FROM
ANY DIRECTION. ALL MATERIAL AND WORK, INCLUDING ITS REMOVAL, SHALL BE INCLUDED IN
MAINTENANCE OF TRAFFIC PAY ITEM.

PEDESTRIANS, BICYCLES, AND WHEELCHAIRS

- 1 AT THE END OF EACH WORK DAY OR WHENEVER THE WORK ZONE BECOMES INACTIVE, ANY DROP
OFF GREATER THAN 6 IN. ADJACENT TO THE PEDESTRIAN, BICYCLE, AND WHEELCHAIR TRAVEL PATHS
SHALL BE BACKFILLED FLUSH WITH THE SAID PATHS OR PROTECTED WITH TEMPORARY FENCE,
CONCRETE BARRIER WALL OR APPROVED HANDRAIL. COST SHALL BE INCLUDED IN THE PAY ITEM
102-1, MAINTENANCE OF TRAFFIC.
- 2 CONSTRUCTION ACTIVITIES THAT INVOLVES SIDEWALKS ON BOTH SIDES OF THE STREET ARE NOT
ALLOWED UNLESS APPROVED BY THE ENGINEER.

SIGNING AND PAVEMENT MARKINGS

- 1 ALL SIGNING AND PAVEMENT MARKINGS SHALL CONFORM WITH THE CURRENT EDITION OF THE FDOT, STANDARDS PLANS FY 2023–24, THE 2023 FDOT DESIGN MANUAL, AND 2009 (MUTCD) MANUAL OF UNIFORM CONTROL DEVICE FOR STREETS AND HIGHWAYS
- 2 ALL EXISTING SIGNS ARE TO REMAIN UNLESS OTHERWISE SPECIFIED. BEFORE STARTING THE PROJECT, THE CONTRACTOR WILL REVIEW EXISTING SIGNS SHOWN ON THE PLANS TO BE RELOCATED OR TO REMAIN. THE CONTRACTOR WILL NOTIFY IN WRITING TO THE PROJECT ENGINEER OF ANY MISSING SIGNS BEFORE CONSTRUCTION STARTS. SIGNS DAMAGED BY THE CONTRACTOR'S OPERATIONS WILL BE REPLACED AT NO COST TO THE DEPARTMENT. IF EXISTING SIGNS TO BE RELOCATED HAVE A DAMAGED POLE OR A POLE NOT MEETING HEIGHT SPECIFICATION REQUIREMENTS, THE COST OF A NEW POLE WILL BE INCLUDED IN THE RELOCATION BID ITEM.





- 3 ALL PAVEMENT MARKINGS, MESSAGES, AND ARROWS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED.
- 4 REFLECTIVE PAVEMENT MARKERS ARE TO BE PLACED AS INDICATED
- 5 MATCH EXISTING PAVEMENT MARKINGS AT THE BEGINNING AND AT THE END OF THE PROJECT AND AT ALL SIDE STREETS WITHOUT JOGS OR OFFSETS.
- 6 THE CONTRACTOR SHALL REMOVE EXISTING MARKINGS BY FDOT APPROVED METHOD WITHOUT DAMAGE TO THE FRICTION COURSE.
- 7 SIGN ASSEMBLY LOCATIONS SHOWN ON PLANS WHICH ARE IN CONFLICT WITH LIGHTING, UTILITIES, DRIVEWAYS, WHEELCHAIR RAMPS, ETC. MAY BE ADJUSTED SLIGHTLY AS DIRECTED BY THE ENGINEER. EXTREME LOCATION CHANGES MUST BE APPROVED BY MIAMI-DADE SIGNALS AND SIGNS DIVISION.
- 8 THE CONTRACTOR SHALL RELOCATE ALL EXISTING POST-MOUNTED STREET NAME AND STOP SIGNS TO A VISIBLE AREA UNDISTURBED BY THE CONSTRUCTION SO AS TO MINIMIZE DAMAGE TO THE SIGNS. NEW STREET NAME SIGNS WILL BE ATTACHED AT THE TOP OF THE NEW STOP SIGNS ON MINOR SIDE STREETS AT THE END OF CONSTRUCTION.
- 9 EXTRUDED ALUMINUM SIGN SUPPORT CLAMPS ARE NOT ACCEPTABLE. ALL RELOCATED SIGNS MUST COMPLY WITH THE FDOT, STANDARDS PLANS FY 2023-24, INDEX 700-010 AS IF THEY WERE NEW SIGNS. IF EXISTING CLAMPS, BRACKETS, POLES, ETC. NEED TO BE REPLACED THE COST SHALL BE INCLUDED IN THE RELOCATION PAY ITEM.
- 10 REFLECTIVE PAVEMENT MARKERS AS PER FDOT STANDARD INDEX NO 706-001
- 11 NEW STREET NAME SIGNS SHALL BE PER MIAMI DADE COUNTY STANDARDS AND MUTCD.

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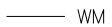
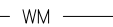


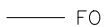
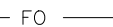


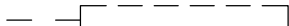
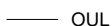






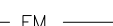















			DESIGNED BY: O.B.	SEAL:			CUTLER BAY TOWN HALL 10720 CARIBBEAN BOULEVARD CUTLER BAY, FL 33189 PHONE: (305) 234-4262 FAX: (305) 234-4251	CUTLER RIDGE PINES ROADWAY AND DRAINAGE IMPROVEMENTS	GENERAL NOTES	SCALE: AS SHOWN	
			DRAWN BY: O.B.							PROJECT NO.: 2222	
			CHECKED BY: J.C.F.							DWG. NO.:	SHEET: C-4
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












ABBREVIATIONS:

BLDG.	=	BUILDING
C.B.	=	CATCH BASIN
	=	BASE LINE
	=	CENTER LINE
C.O.	=	CLEANOUT
CONC.	=	CONCRETE
CONN.	=	CONNECTION
CONT.	=	CONTINUATION
CONST.	=	CONSTRUCT
DET.	=	DETAIL
D.I.P.	=	DUCTILE IRON PIPE
EXIST.	=	EXISTING
F.F.E.	=	FINISHED FLOOR ELEVATION
F.H. / FH	=	FIRE HYDRANT
F.M. / FM	=	FORCE MAIN
H.D.P.E.	=	HIGH DENSITY POLYETHYLENE
HORIZ.	=	HORIZONTAL
INV.	=	INVERT
L.F.	=	LINEAR FEET
M-DWASD	=	MIAMI-DADE WATER AND SEWER DEPT.
M-DPW	=	MIAMI DADE PUBLIC WORKS
M.E.G.	=	MATCH EXISTING GRADE
MIN.	=	MINIMUM
P.I.V.	=	POST INDICATOR VALVE
P.G.P.	=	PROPOSED GRADING POINT
P.G.L.	=	PROPOSED GRADING LINE
P/L, 	=	PROPERTY LINE
PROP.	=	PROPOSED
SAN.	=	SANITARY SEWER
R/W, ROW	=	RIGHT OF WAY
SEC.	=	SECTION
SERV.	=	SERVICE
S/L, 	=	SECTION LINE
STA.	=	STATION
STD.	=	STANDARD
SWK.	=	SIDEWALK
T.O.P.	=	TOP OF PIPE
U.S.F.	=	US FOUNDRY
VERT.	=	VERTICAL
W.M. / WM	=	WATER MAIN
W.S.	=	WATER SERVICE
T.B.F.V.	=	TO BE FIELD VERIFIED

UTILITIES LEGEND:

	WM		WM	EXISTING WATER MAIN (UNDERGROUND)
	SAN		SAN	EXISTING SANITARY SEWER MAIN (UNDERGROUND)
	FO		FO	EXISTING COMMUNICATION CONDUIT (UNDERGROUND)
	E		E	EXISTING F.P.L. CONDUIT (UNDERGROUND)
				EXISTING EXFILTRATION DRAIN (UNDERGROUND)
	OUL		OUL	EXISTING F.P.L. CONDUIT (OVERHEAD)
				PROPOSED EXFILTRATION DRAIN (UNDERGROUND)
				PROPOSED SOLID DRAINAGE PIPE (UNDERGROUND)
	S-#			PROPOSED DRAINAGE STRUCTURE (INLET/M.H.) ID
	E-#			EXISTING DRAINAGE STRUCTURE (INLET) ID
	FM		FM	EXISTING FORCE MAIN (UNDERGROUND)
				EXISTING CATCH BASIN
				PROP. CATCH BASIN
				PROP. DRAINAGE MANHOLE
				EXISTING DRAINAGE MANHOLE
				EXISTING SAN. SEWER MANHOLE
				EXISTING WATER MAIN VALVE BOX
				EXISTING FORCE MAIN VALVE BOX
				EXISTING WATER METER
				EXISTING ELECTRICAL PANEL/PULL BOX
				EXISTING COMMUNICATION PANEL/PULL BOX
	FH			EXISTING FIRE HYDRANT

ROADWAY PLANS LEGEND:

	AMOUNT OF SIDEWALK FLAG TO BE REPLACED
	EXISTING SANITARY SEWER / DRAINAGE MANHOLE TO BE ADJUSTED BY A LICENSED CONTRACTOR
	EXISTING WATER/FORCE MAIN/GAS VALVE BOX & LID TO BE ADJUSTED BY A LICENSED CONTRACTOR
	EXISTING WATER METER BOX TO BE REPLACED
	<u>CONTINGENCY:</u> REPLACE EXIST. CONCRETE DRIVEWAY BY 6" CONCRETE DRIVEWAY (MATCH EXIST. LAYOUT AND STAMP PATTERN)
	EXIST. SD PIPE TO BE CUT AND INSTALL PROP. DRAINAGE MANHOLE. RECONNECT EXIST. SD PIPE TO PROP. DRAINAGE MANHOLE W/ 4 LF OF SOLID PIPE
	CONSTRUCT 6" CONC. SIDEWALK, HANDICAP RAMPS, DRIVEWAYS & INLET APRONS
	AREA TO BE RESODDED.
	PROP. DETECTABLE WARNING PER FDOT INDEX 522-002
	MILLING EXISTING ASPHALT PAVEMENT (1/2" AVERAGE) RESURFACING WITH 1 LIFT (1") OF SP-9.5 ASPHALTIC CONCRETE SURFACE COURSE (INSTALL W/ THE SECOND LIFT OF THE PAVEMENT RESTORATION AND NEW PAVEMENT)
	<u>CONTINGENCY:</u> EXIST. ASPHALT DRIVEWAY TO BE RESURFACED W/ 1" SP-9.5 CONCRETE ASPHALT.
	<u>CONTINGENCY:</u> EXIST. PAVER DRIVEWAY TO BE RESURFACED. SEE PAVER DRIVEWAY RESTORATION DETAIL SHEET C-33
	<u>NEW PAVEMENT/ WIDENING/ DRAINAGE TRENCH RESTORATION</u>
	- 2 LIFTS OF (1") SP-9.5 ASPHALTIC CONC.
	- 8" MIN. BASE COURSE COMPACTED TO MIN. 98% (MODIFIED PROCTOR) MIN. LBR=100 PER AASHTO T-180)
	- 12" STABILIZED SUBBASE, COMPACTED TO MIN. 98%, MIN. LBR=40, PER AASHTO T-180

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				DRAWN BY: O.B.							PROJECT NO.: 2222
				CHECKED BY: J.C.F.							DWG. NO.:
REV.	DATE	BY:	DESCRIPTION	DATE: 9/25/2023							SHEET: C-5

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PAY ITEM DESCRIPTION

1	CONTRACTOR SHALL FURNISH AS-BUILT PLANS SIGNED AND SEALED BY AND PROFESSIONAL LAND SURVEYOR TO THE TOWN OF CUTLER BAY
102-1	TO BE ACCOMPLISHED IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION. PUBLIC WORKS MANUAL OF MIAMI DADE COUNTY, THE LATEST REVISIONS OF THE AFOREMENTIONED MANUALS AT TIME OF CONSTRUCTION WITH ENGINEER APPROVAL, AND IN ACCORDANCE WITH THE LATEST FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS INDEX 102 SERIES. INCLUDES THE COST OF CONSTRUCTION OF TEMPORARY PAVEMENT & ITS SUBSEQUENT REMOVAL.
104-18	THIS ITEM IS TO BE USED IN ACCORDANCE WITH THE PLANS, STANDARDS, AND/OR EROSION AND SEDIMENT CONTROL MANUAL FOR THE PROTECTION OF EXISTING INLETS. PAYMENT PER EACH INLET INCLUDES ALL WORK AND MATERIALS FOR A COMPLETE SYSTEM. PROPOSED INLETS: THE PAYMENT FOR PROTECTING NEW INLETS IS INCIDENTAL TO THE COST OF THE NEW INLET. CURB INLET FILTERS, CURB INSERT PROTECTION SYSTEMS, PIPE END CAP FILTERS, DITCH BOTTOM INLET PROTECTION SYSTEMS ("CAPS", BARRIERS, AND OTHER MATERIALS), ARE INCLUDED IN THIS PAY ITEM.
110-1-1	CONSISTS OF COMPLETE REMOVAL AND DISPOSAL OF ALL VEGETATION, DEBRIS, DRAINAGE STRUCTURES, DRAINAGE PIPES, FLEXIBLE PAVEMENT, OR ANY OTHER OBSTRUCTIONS IN ALL AREAS WHERE EXCAVATION IS TO BE DONE, OR WHERE EMBANKMENTS OR STRUCTURES WILL BE CONSTRUCTED. THIS INCLUDES ROADWAY AREA, DITCH AREA, BORROW AND MATERIAL PITS, AND AREAS WHERE CULVERTS OR PIPELINES WILL BE CONSTRUCTED. ALSO INCLUDES SHRUB AND TREE TRIMMING. ALL DEBRIS SHOULD BE DISPOSED OF IN LEGAL AREAS PROVIDED BY THE CONTRACTOR.
110-4-10	CONSISTS OF REMOVING AND DISPOSING OF EXISTING CONCRETE PAVEMENT, CONCRETE SIDEWALKS, CONCRETE APRONS, DITCH PAVEMENT, CONCRETE PAVERS, AND CURB AND GUTTER.
120-4	THE DISPOSAL OF MUCK, CLAY, ROCK, OR OTHER UNSUITABLE MATERIAL THAT COULD EXIST.
120-6	INCLUDES ALL WORK AND MATERIALS (SUITABLE MATERIAL) PER FDOT SECTION 120 AND INDEX 120-001 REPLACE WITH CLEAN FILL THE VOLUME OF SUBSOIL EXCAVATION (PAY ITEM 120-4).
125-1	INCLUDES EXCAVATION FOR BOX CULVERTS, PIPE CULVERTS (SOLID PIPE), INLETS, MANHOLES, AND SIMILAR STRUCTURES. BASE AND SUB-BASE EXCAVATION WITHIN TRENCH RESTORATION IS INCLUDED IN THIS PAID ITEM. THESE ARE ESTIMATED QUANTITIES AND MAY BE INCREASED OR DECREASED.
160-4	INCLUDES ALL WORK AND MATERIALS SPECIFIED IN SECTION 160 (FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION), INCLUDING FURNISHING, SPREADING, AND MIXING OF ALL STABILIZING MATERIAL REQUIRED AND ANY REPROCESSING OF STABILIZATION AREAS NECESSARY TO ATTAIN THE SPECIFIED BEARING VALUE.
327-70-16	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 MARKER
425-1-SERIES 425-2-SERIES	INCLUDES: POLLUTION RETARDANT BAFFLE, FRAME, GRATES, COVERS, MATERIALS, METAL PIPE ENCASEMENT, INLET PROTECTION (PAY ITEM DESCRIPTION 104-18), LABOR AND CONSTRUCTION SHALL BE INCLUDED IN COST OF STRUCTURES.
425-5 & 425-6	WITHIN PAVEMENT AREA, MANHOLES AND VALVE BOXES TO BE ADJUSTED AS NECESSARY.
430-174-SERIES	INCLUDES FURNISHING AND PLACING: PIPE PLUGS, PIPE FITTING, CAPS, CONCRETE JACKET AND SOLID PIPES.
443-174-SERIES	INCLUDES: EXCAVATION TO PLAN ELEVATION (15 FEET DEEP, SEE DETAILS SHEETS), FURNISHING AND PLACING: (PIPE PLUGS, PIPE FITTINGS, PERFORATED PIPES, BALLAST ROCK AND BACKFILLING WITH SELECT FILL, FILTER FABRIC AND ALL APPLICABLE ITEMS REQUIRED TO CONSTRUCT DRAIN). ALSO, IT IS INCLUDED THE ADDITIONAL COST OF EXCAVATING AROUND THE LATERALS SERVICING SAID PROPERTIES.
522-2	ESTIMATED QUANTITY FOR: DRIVEWAYS, SIDEWALK, RAMPS, APRON, AND CONC. SLAB (REINFORCED) TO BE CONSTRUCTED AT LOCATIONS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
526-1-1	INCLUDES ALL LABOR AND MATERIALS (PAVER, SAND LEVELING COURSE, 6" LIMEROCK, AND ANY PROCESSING OR MATERIAL NECESSARY TO COMPLETE PAVER INSTALLATION.)
570-1-2	INCLUDES TOPSOIL LAYER AND SOD TO BE USED IN THE RESTORATION OF LAWNS AND MAY BE INCREASED OR DECREASED AS DIRECTED BY THE TOWN OF CUTLER BAY. BAHIA SOD OR TO MATCH EXISTING SOD.

QUANTITIES AND PAY ITEM NOTES:

1. EXCESS AND/OR UNDESIRABLE MATERIAL TO BE DISPOSED OF BY CONTRACTOR IN LEGAL AREAS PROVIDED BY HIM. NO SEPARATE PAYMENT WILL BE MADE FOR THIS ITEM.
2. EXCESS MATERIAL TO BE DISPOSED OF BY THE CONTRACTOR IN AREAS PROVIDED BY HIM. NO SEPARATE PAYMENT WILL BE MADE FOR THIS ITEM.
3. ANY EXCAVATED MATERIAL, IF UNSUITABLE, SHALL NOT BE USED IN THE CONSTRUCTION OF THE EMBANKMENT.
4. ASPHALT DRIVEWAY RESTORATION IS INCLUDED IN THE PAY ITEM 334-1-13 (CONTINGENCY).
5. THE CONTINGENCY ITEM MUST BE APPROVED BY THE ENGINEER ON RECORD AND THE TOWN.
6. THE 5 L.F. OF SOLID PIPE ON BOTH SIDES OF THE FRENCH DRAIN ARE INCLUDED IN THE QUANTITIES LISTED UNDER PAY ITEMS 430-174-SERIES AND 125-1 (EXCAVATION)
7. THE PRICE FOR CUTTING AND RECONNECTING EXISTING DRAINAGE PIPES TO THE PROPOSED DRAINAGE SYSTEM IS INCLUDED IN PAY ITEMS 425-1-SERIES AND 425-2-SERIES.
8. REFER TO FDOT'S "DESIGN QUANTITIES AND ESTIMATES" (DQE) FOR MORE INFORMATION ON THE PAYMENT ITEM DESCRIPTIONS.

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				DRAWN BY: O.B.						PROJECT NO.: 2222	
				CHECKED BY: J.C.F.						DWG. NO.:	SHEET:
REV.	DATE	BY:	DESCRIPTION	DATE: 9/25/2023							C-6

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ROADWAY				
Item	Pay Item No.	Description	Quantity	Unit Measure
1	001	AS BUILT	1	LS
2	101-1	MOBILIZATION	1	LS
3	102-1	MAINTENANCE OF TRAFFIC	1	LS
4	102-14	TRAFFIC CONTROL OFFICER ALLOWANCE	300	HR
5	104-18	INLET PROTECTION SYSTEM (EXISTING INLETS)	28	EA
6	110-1-1	CLEARING AND GRUBBING	1	LS
7	110-4-10	REMOVAL OF EXISTING CONCRETE	460	SY
8	125-1	EXCAVATION FOR STRUCTURES AND SOLID PIPES	5,381	CY
9	160-4	TYPE B STABILIZATION	4,465	SY
10	285-706	LIMEROCK BASE (8") (OPTIONAL BASE,BASE GROUP 06)	4,465	SY
11	327-70-16	MILLING EXISTING ASPHALT PAVEMENT (1/2" AVG. DEPTH)	13,150	SY
12	334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C, SP-9.5 (1")	1,250	TN
13	425-1-2B	SD-3.1 SWALE INLET TYPE D-1 (17" x 27") < 10' (M-DPWD PAY ITEM)	38	EA
14	425-1-2A	SD-2.2 SWALE INLET TYPE D-3 (36" Dia.) < 10' (M-DPWD PAY ITEM)	2	EA
15	425-1-481	INLETS, CURB, TYPE 8, <10'	4	EA
16	425-1-482	INLETS, CURB, TYPE 8, >10'	1	EA
17	425-1-604	SD-2.7 SWALE INLETS (TYPE-P), <10' (M-DPWD PAY ITEM)	1	EA
18	425-1-604A	SD-2.7 SWALE INLETS (TYPE-P), >10' (M-DPWD PAY ITEM)	2	EA
19	425-2-41	SD-2.7 MANHOLES, P-7, < 10' (M-DPWD PAY ITEM)	12	EA
20	425-2-42	SD-2.7 MANHOLES, P-7, > 10' (M-DPWD PAY ITEM)	9	EA
21	425-2-71	SD-2.6 MANHOLES, J-7, < 10' (M-DPWD PAY ITEM)	7	EA
22	425-2-72	SD-2.6 MANHOLES, J-7, > 10' (M-DPWD PAY ITEM)	8	EA
23	425-5	MANHOLE, ADJUST	26	EA
24	425-6	VALVE BOXES, ADJUST	20	EA
25	425-79	CORE AND TIE-IN TO EXISTING DRAIN STRUCTURE (18" PIPE, INCL. MORTAR SEAL) (M-DPWD PAY ITEM)	6	EA
26	430-94-1	DESILTING PIPE, 0 - 24	610	LF
27	430-174-115	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 15"SD	55	LF
28	430-174-118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18"SD (HDPE)	1,855	LF
29	443-70-3	EXFILTRATION DRAIN (18")	4,050	LF
30	520-1-10	CONCRETE CURB & GUTTER, TYPE F	125	LF
31	520-2-4	CONCRETE CURB, TYPE D	60	LF
32	520-3	VALLEY GUTTER- CONCRETE	35	LF
33	522-2	CONCRETE SIDEWALK (6" THICK) (SIDEWALK, RAMP, APRON, DRIVEWAY & SALB)	1,450	SY
34	527-2	DETECTABLE WARNINGS	150	SF
35	570-1-2	PERFORMANCE TURF, SOD	6,000	SY
36	1080-211	UTILITY FIXTURE, VALVE/METER BOX, FURNISH & INSTALL	3	EA

PAVEMENT MARKING AND SIGNAGE				
Item	Pay Item No.	Description	Quantity	Unit Measure
37	710-11-101	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	0.03	GM
38	710-11-123	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR CROSSWALK AND ROUNDABOUT, 12"	2,000	LF
39	710-11-125	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR STOP LINE OR CROSSWALK, 24"	330	LF
40	710-11-201	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	0.50	GM
41	711-1-11	W1-2A-R CURVE ADVISORY SPEED RIGHT SIGN (PANEL ONLY)	2	EA
42	711-1-11	W1-2A-L CURVE ADVISORY SPEED LEFT SIGN (PANEL ONLY)	2	EA
43	700-1-11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	4	AS
44	700-1-50	SINGLE POST SIGN, RELOCATE	8	AS
45	700-1-60	SINGLE POST SIGN, REMOVE	1	AS
46	706-1-1	RAISED PAVEMENT MARKER, TYPE B WITHOUT FINAL SURFACE MARKINGS (Y/Y)	96	EA
47	706-1-1	RAISED PAVEMENT MARKER, TYPE B WITHOUT FINAL SURFACE MARKINGS (BLUE)	5	EA
48	711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	2,000	LF
49	711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	330	LF
50	711-16-101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	0.03	GM
51	711-16-201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	0.50	GM

CONTINGENCY ITEMS				
Item	Pay Item No.	Description	Quantity	Unit Measure
52	110-4-10	REMOVAL OF EXISTING CONCRETE AND PAVERS +(30% ITEM # 7)	590	SY
53	120-4	SUBSOIL EXCAVATION	100	CY
54	120-6	EMBANKMENT	100	CY
55	334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C, SP-9.5 (1") DRIVEWAYS + (10% ITEM # 12)	145	TN
56	522-2	CONCRETE DRIVEWAYS (6" THICK) + (30% ITEM # 33)	750	SY
57	526-1-1	PAVERS, ARCHITECTURAL, ROADWAY	120	SY

				DESIGNED BY: O.B.	SEAL:
				DRAWN BY: O.B.	
				CHECKED BY: J.C.F.	
				DATE: 9/25/2023	
REV.	DATE	BY:	DESCRIPTION		



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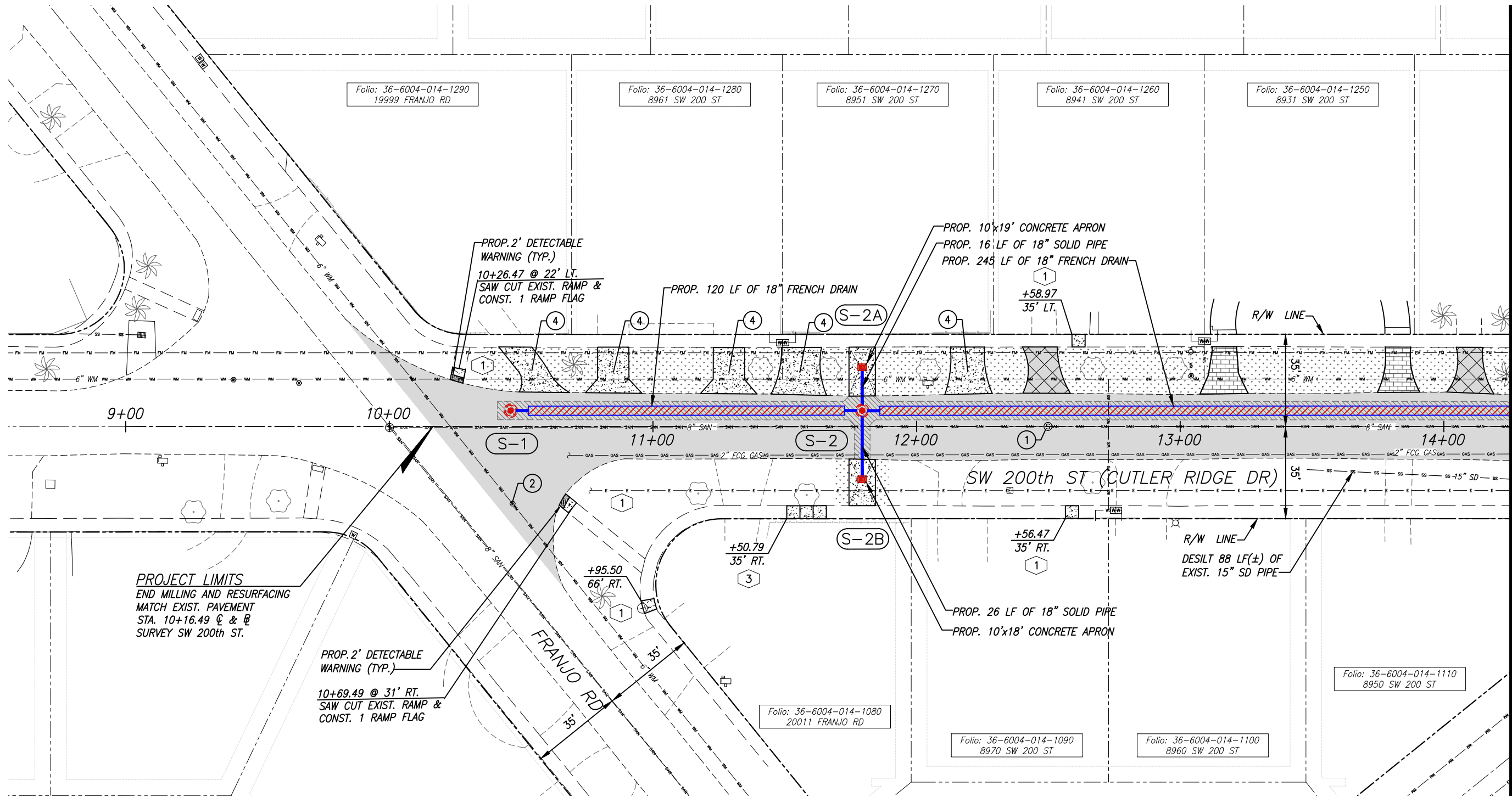
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CUTLER RIDGE PINES
ROADWAY AND DRAINAGE
IMPROVEMENTS

SUMMARY OF QUANTITIES

SCALE: AS SHOWN	
PROJECT NO.: 2222	
DWG. NO.:	SHEET: C-7

File: F:\Engineering\SRS Projects\2022\2222 - Cutler Bay - Cutler Ridge Pines\Design\2222 - PAGE_8_18 - ROADWAY PLAN.dwg - Plot Date: 4.8.2019



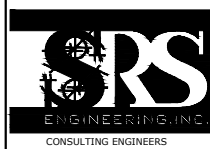
MATCH LINE STA. 14+25 (FOR CONTINUATION SEE SHEET C-9)

- NOTE:
- FOR LEGEND AND ABBREVIATIONS, SEE SHEET C-5
 - ALL EXISTING BROKEN SIDEWALKS SHALL BE REPLACED (SAW CUT), INSTALLS SIDEWALK FLAGS AS REQUIRED. SEE DETAIL "SIDEWALK FLAG REPLACEMENT" ON SHEET C-33, FOR THE AREA TO BE RESODDED.
 - ACCESSIBLE RAMP SHALL BE MAX. SLOPE 1:12 W/ 2' DETECTABLE WARNING SURFACE AS PER FDOT 522-002

REV.	DATE	BY:	DESCRIPTION

DESIGNED BY:	O.B.
DRAWN BY:	O.B.
CHECKED BY:	J.C.F.
DATE:	9/25/2023

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CUTLER RIDGE PINES ROADWAY AND DRAINAGE IMPROVEMENTS

ROADWAY PLAN

SCALE:	AS SHOWN
PROJECT NO.:	2222
DWG. NO.:	SHEET:
	C-8

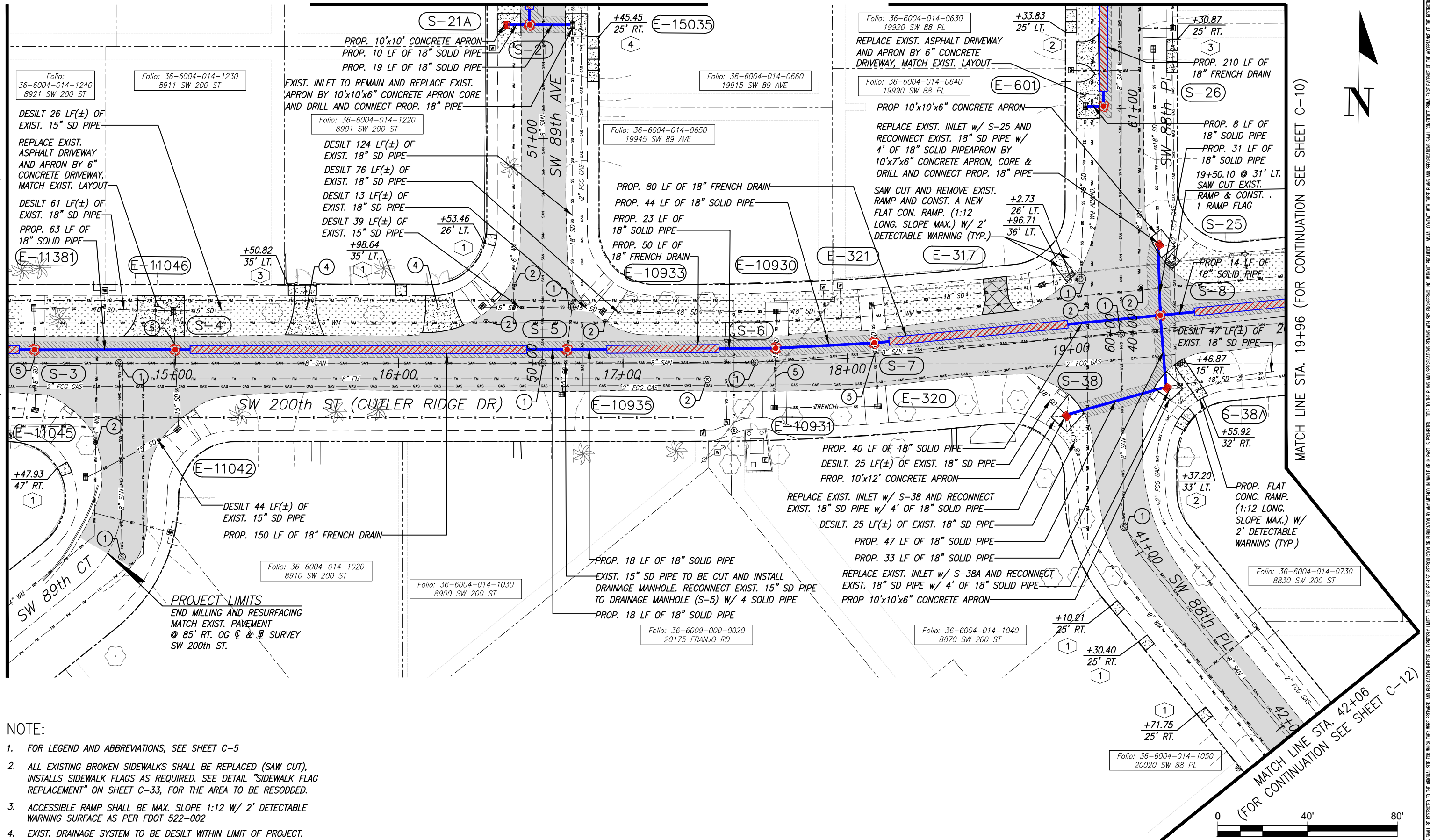
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MATCH LINE STA. 14+25 (FOR CONTINUATION SEE SHEET C-8)

MATCH LINE STA. 51+60 (FOR CONTINUATION SEE SHEET C-14)

MATCH LINE STA. 61+46 (FOR CONTINUATION SEE SHEET C-15)



- NOTE:
- FOR LEGEND AND ABBREVIATIONS, SEE SHEET C-5
 - ALL EXISTING BROKEN SIDEWALKS SHALL BE REPLACED (SAW CUT), INSTALLS SIDEWALK FLAGS AS REQUIRED. SEE DETAIL "SIDEWALK FLAG REPLACEMENT" ON SHEET C-33, FOR THE AREA TO BE RESODDED.
 - ACCESSIBLE RAMP SHALL BE MAX. SLOPE 1:12 W/ 2' DETECTABLE WARNING SURFACE AS PER FDOT 522-002
 - EXIST. DRAINAGE SYSTEM TO BE DESILT WITHIN LIMIT OF PROJECT.

REV.	DATE	BY:	DESCRIPTION

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CHECKED BY:	J.C.F.
DATE:	9/25/2023

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CUTLER RIDGE PINES ROADWAY AND DRAINAGE IMPROVEMENTS

ROADWAY PLAN	
SCALE: AS SHOWN	PROJECT NO.: 2222
DWG. NO.:	SHEET: C-9

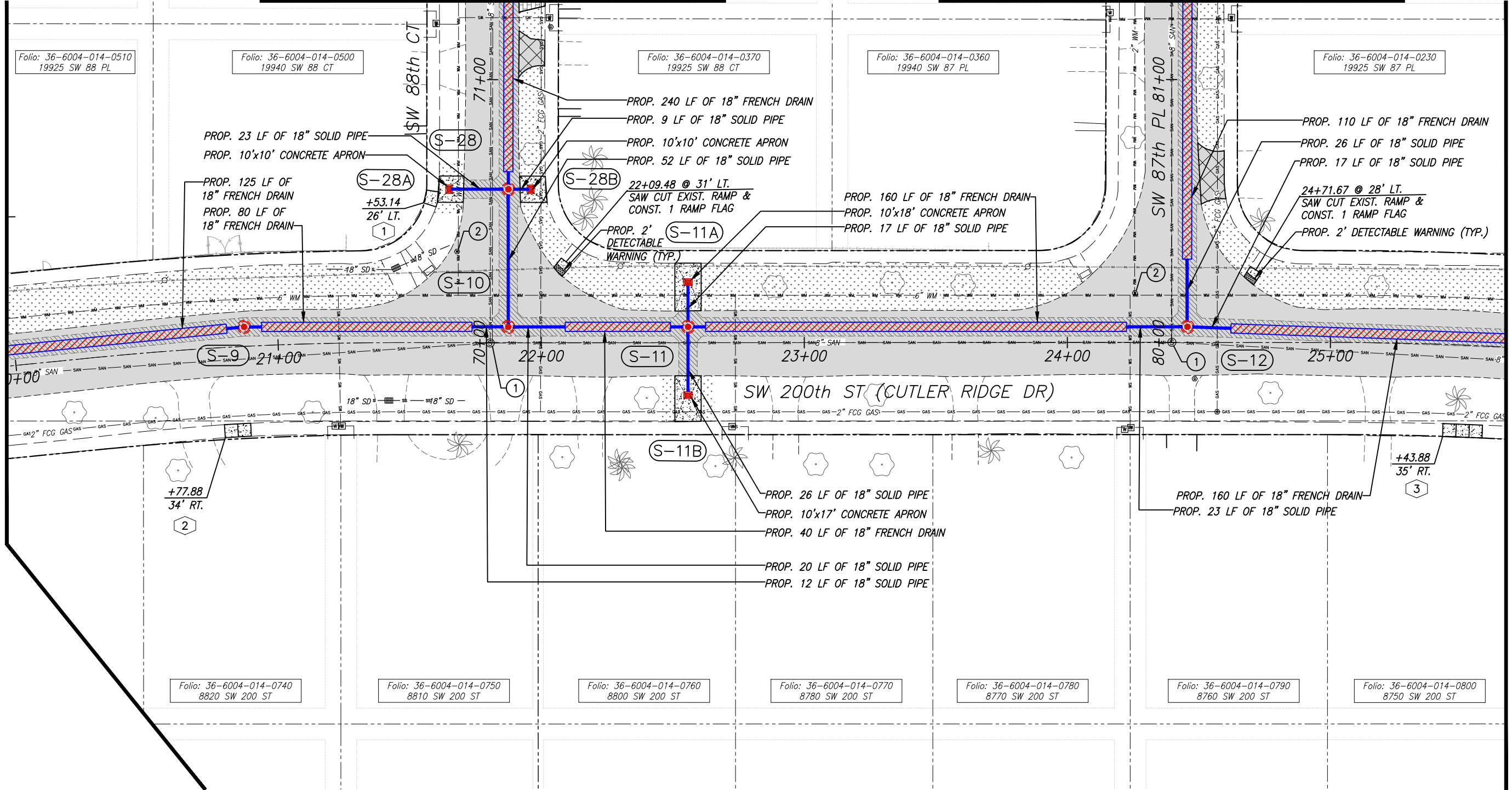
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MATCH LINE STA. 71+30 (FOR CONTINUATION SEE SHEET C-16)

MATCH LINE STA. 81+30 (FOR CONTINUATION SEE SHEET C-17)

MATCH LINE STA. 19+96 (FOR CONTINUATION SEE SHEET C-9)

MATCH LINE STA. 25+67 (FOR CONTINUATION SEE SHEET C-11)



NOTE:

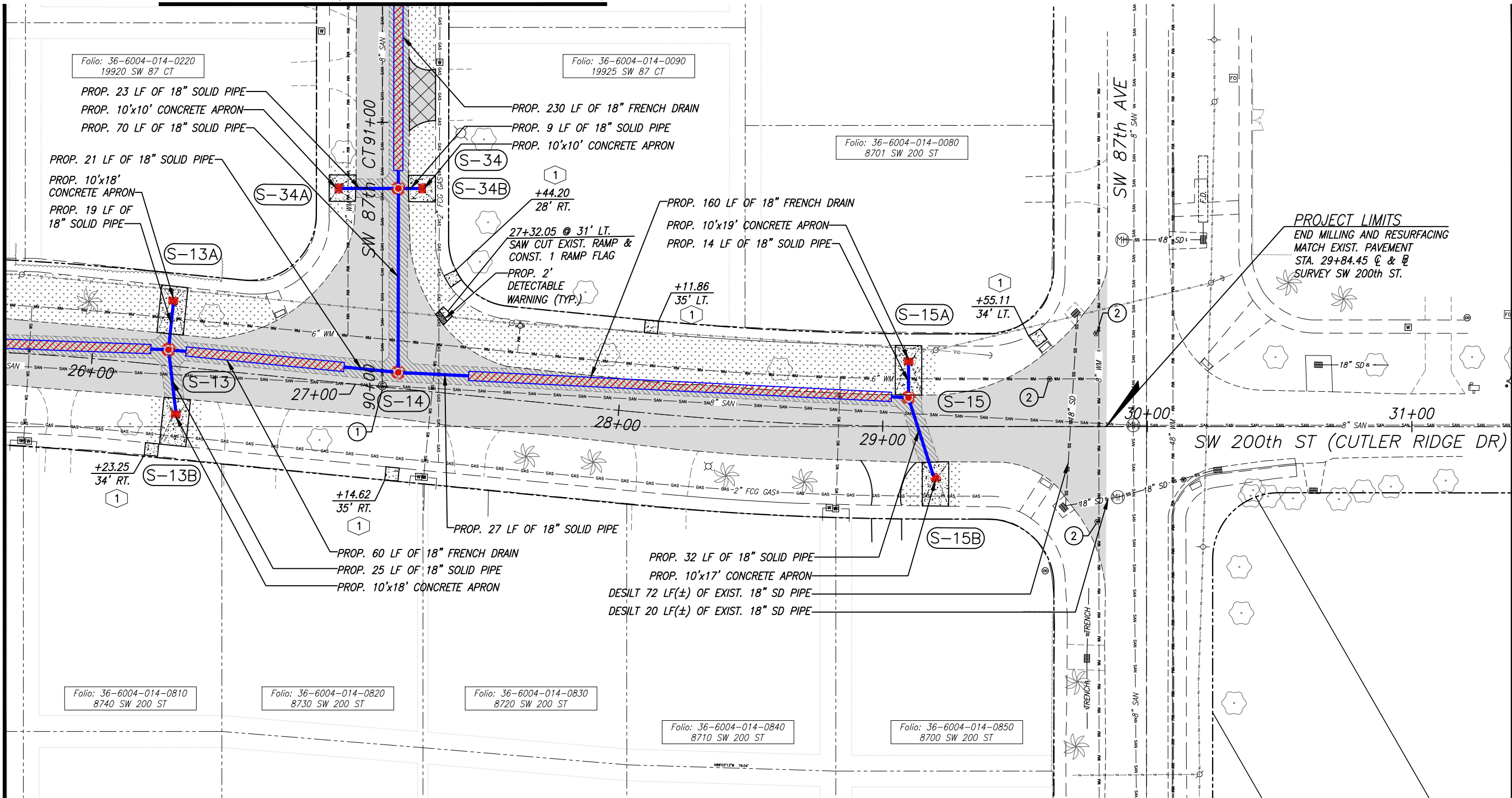
1. FOR LEGEND AND ABBREVIATIONS, SEE SHEET C-5
2. ALL EXISTING BROKEN SIDEWALKS SHALL BE REPLACED (SAW CUT), INSTALLS SIDEWALK FLAGS AS REQUIRED. SEE DETAIL "SIDEWALK FLAG REPLACEMENT" ON SHEET C-33, FOR THE AREA TO BE RESODDED.
3. ACCESSIBLE RAMP SHALL BE MAX. SLOPE 1:12 W/ 2' DETECTABLE WARNING SURFACE AS PER FDOT 522-002
4. EXIST. DRAINAGE SYSTEM TO BE DESILT WITHIN LIMIT OF PROJECT.



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				DRAWN BY: O.B.						PROJECT NO.: 2222	
				CHECKED BY: J.C.F.						DWG. NO.:	
				DATE: 9/25/2023						SHEET: C-10	
REV.	DATE	BY:	DESCRIPTION								

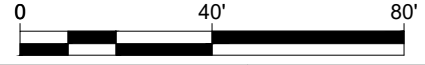
MATCH LINE STA. 91+45 (FOR CONTINUATION SEE SHEET C-18)

MATCH LINE STA. 25+67 (FOR CONTINUATION SEE SHEET C-10)



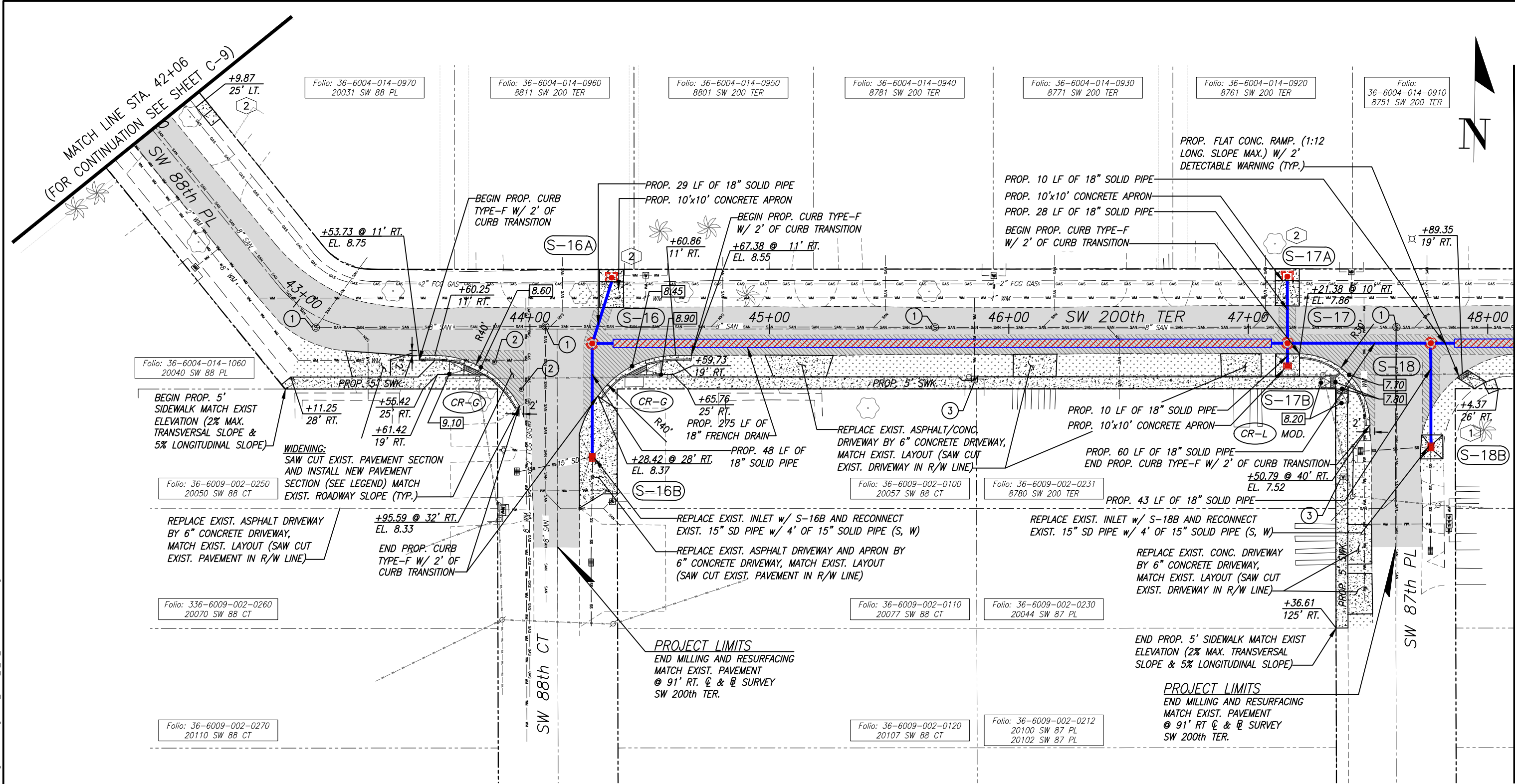
MATCH LINE STA. 14+25 (FOR CONTINUATION SEE SHEET C-12)

- NOTE:
1. FOR LEGEND AND ABBREVIATIONS, SEE SHEET C-5
 2. ALL EXISTING BROKEN SIDEWALKS SHALL BE REPLACED (SAW CUT), INSTALLS SIDEWALK FLAGS AS REQUIRED. SEE DETAIL "SIDEWALK FLAG REPLACEMENT" ON SHEET C-33, FOR THE AREA TO BE RESODDED.
 3. ACCESSIBLE RAMP SHALL BE MAX. SLOPE 1:12 W/ 2' DETECTABLE WARNING SURFACE AS PER FDOT 522-002



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				DRAWN BY: O.B.						PROJECT NO.: 2222	
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				DATE: 9/25/2023						SHEET: C-11	

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NOTE:

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- EXIST. DRAINAGE SYSTEM TO BE DESILT WITHIN LIMIT OF PROJECT.

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CUTLER RIDGE PINES ROADWAY AND DRAINAGE IMPROVEMENTS

ROADWAY PLAN

SCALE:
AS SHOWN

PROJECT NO.:
2222

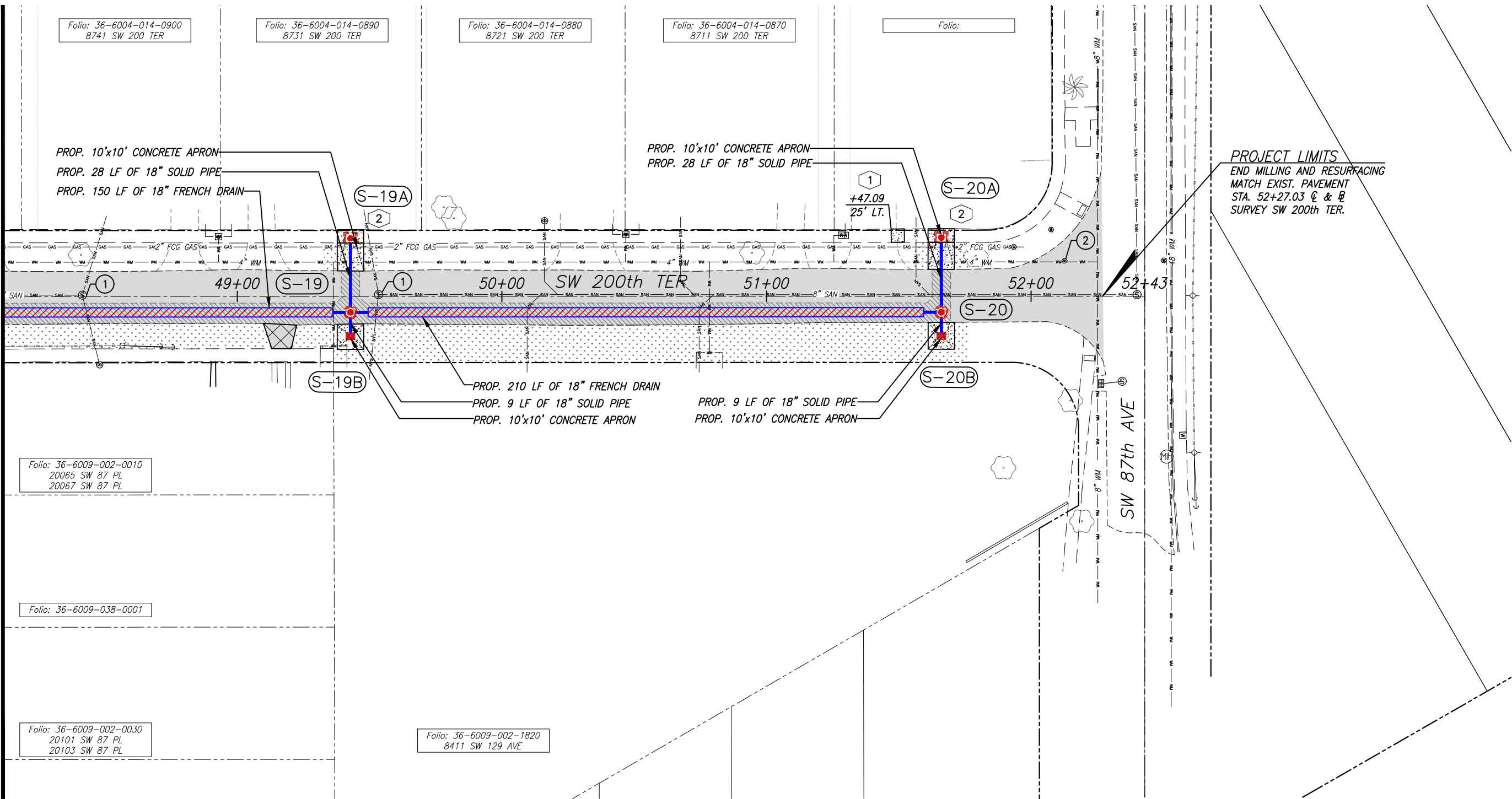
DWG. NO.:
C-12

MATCH LINE STA. 48+11 (FOR CONTINUATION SEE SHEET C-13)

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MATCH LINE STA. 48+11 (FOR CONTINUATION SEE SHEET C-12)



- NOTE:
- FOR LEGEND AND ABBREVIATIONS, SEE SHEET C-5
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 - ACCESSIBLE RAMP SHALL BE MAX. SLOPE 1:12 W/ 2' DETECTABLE WARNING SURFACE AS PER FDOT 522-002



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CUTLER RIDGE PINES ROADWAY AND DRAINAGE IMPROVEMENTS

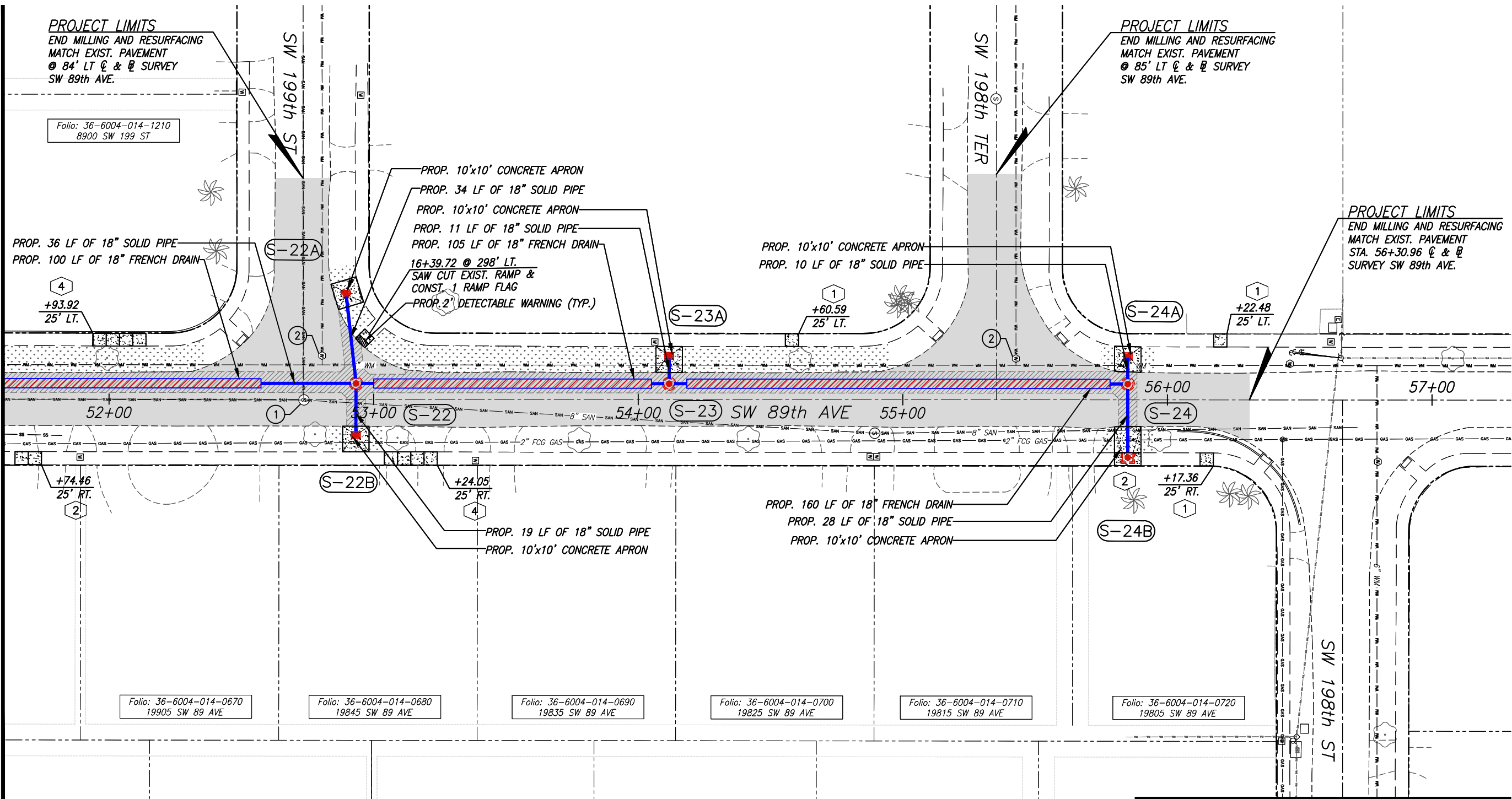
ROADWAY PLAN

SCALE:	AS SHOWN
PROJECT NO.:	2222
DWG. NO.:	SHEET:
	C-13

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MATCH LINE STA. 51+60 (FOR CONTINUATION SEE SHEET C-9)



MATCH LINE (FOR CONTINUATION SEE SHEET C-15)

NOTE:

1. FOR LEGEND AND ABBREVIATIONS, SEE SHEET C-5
2. ALL EXISTING BROKEN SIDEWALKS SHALL BE REPLACED (SAW CUT), INSTALLS SIDEWALK FLAGS AS REQUIRED. SEE DETAIL "SIDEWALK FLAG REPLACEMENT" ON SHEET C-33, FOR THE AREA TO BE RESODDED.
3. ACCESSIBLE RAMP SHALL BE MAX. SLOPE 1:12 W/ 2' DETECTABLE WARNING SURFACE AS PER FDOT 522-002

REV.	DATE	BY:	DESCRIPTION

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CHECKED BY:	J.C.F.
DATE:	9/25/2023

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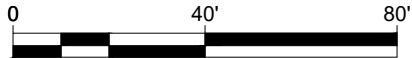


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CUTLER RIDGE PINES
ROADWAY AND DRAINAGE
IMPROVEMENTS

ROADWAY PLAN	
DWG. NO.:	SHEET:
2222	C-14

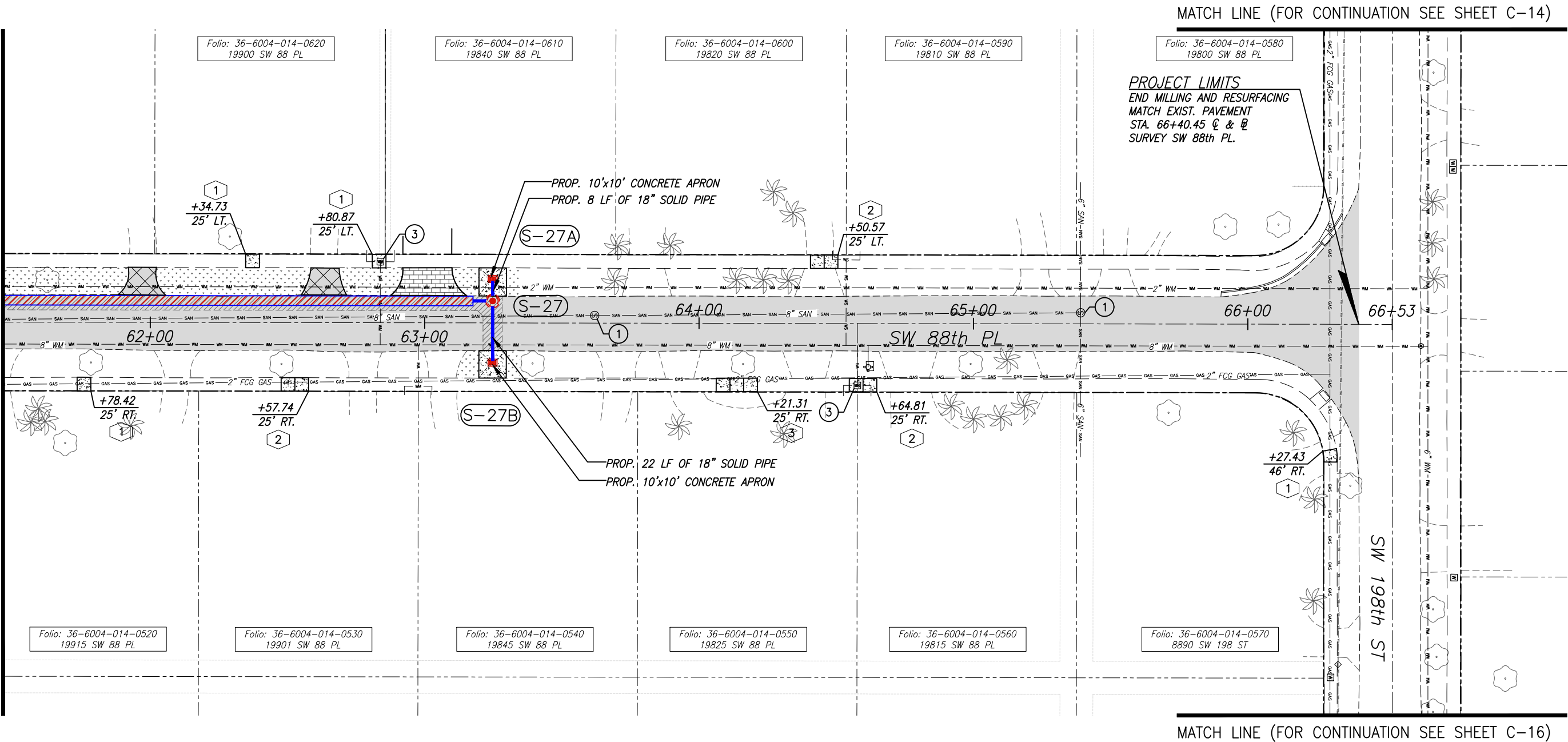
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PROJECT NO.:	2222
DWG. NO.:	SHEET:
2222	C-14



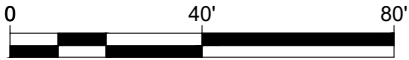
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MATCH LINE STA. 61+46 (FOR CONTINUATION SEE SHEET C-9)



- NOTE:
- FOR LEGEND AND ABBREVIATIONS, SEE SHEET C-5
 - ALL EXISTING BROKEN SIDEWALKS SHALL BE REPLACED (SAW CUT), INSTALLS SIDEWALK FLAGS AS REQUIRED. SEE DETAIL "SIDEWALK FLAG REPLACEMENT" ON SHEET C-33, FOR THE AREA TO BE RESODDED.
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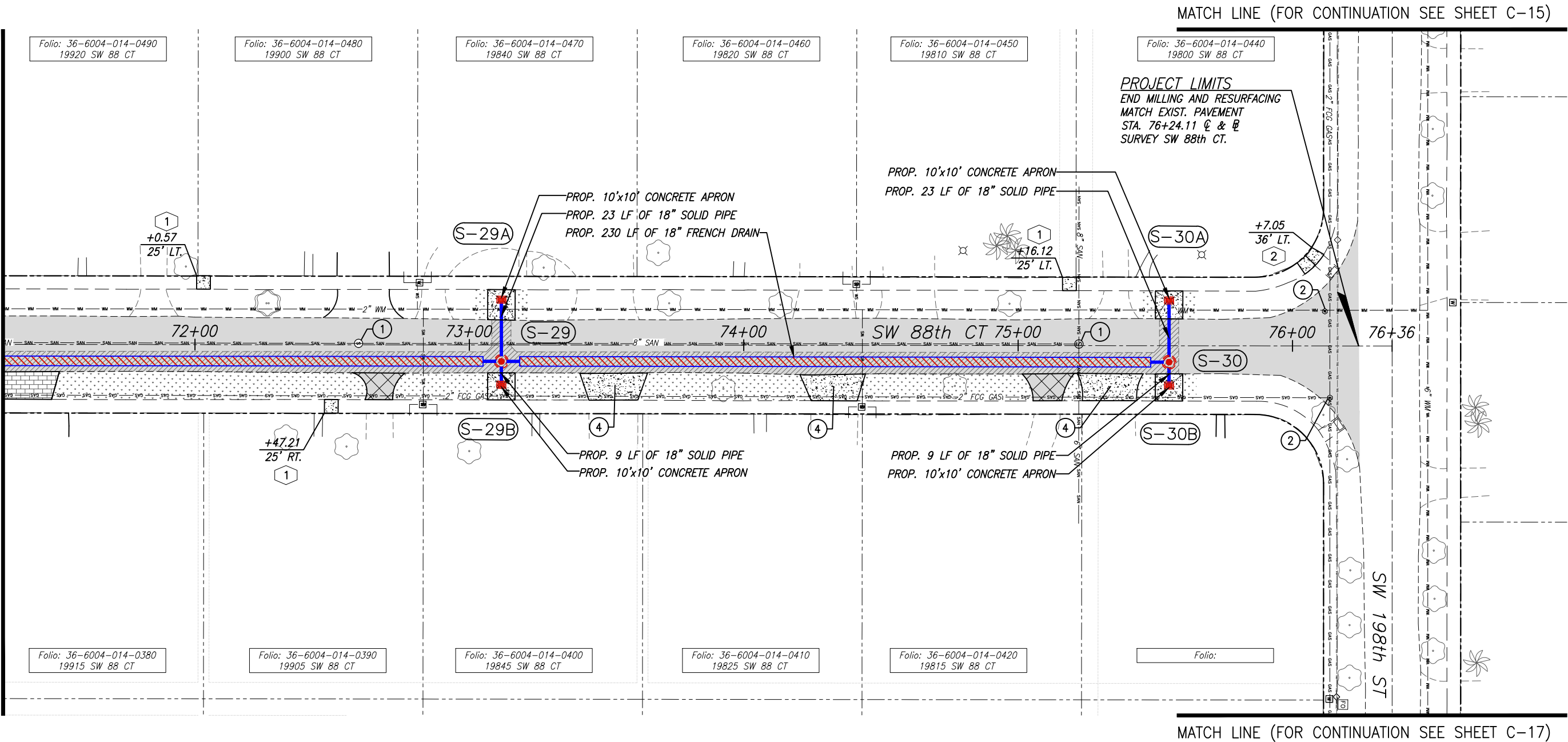
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ROADWAY AND DRAINAGE
IMPROVEMENTS

ROADWAY PLAN

SCALE: AS SHOWN
PROJECT NO.: 2222
DWG. NO.:
SHEET: C-15

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MATCH LINE STA. 71+30 (FOR CONTINUATION SEE SHEET C-10)



MATCH LINE (FOR CONTINUATION SEE SHEET C-17)

- NOTE:
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CUTLER RIDGE PINES
ROADWAY AND DRAINAGE
IMPROVEMENTS

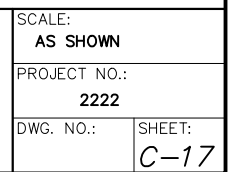
ROADWAY PLAN

SCALE: AS SHOWN
PROJECT NO.: 2222
DWG. NO.:
SHEET: C-16

MATCH LINE (FOR CONTINUATION SEE SHEET C-18)



1. FOR LEGEND AND ABBREVIATIONS, SEE SHEET C-5
2. ALL EXISTING BROKEN SIDEWALKS SHALL BE REPLACED (SAW CUT),
INSTALLS SIDEWALK FLAGS AS REQUIRED. SEE DETAIL "SIDEWALK FLAG
REPLACEMENT" ON SHEET C-33, FOR THE AREA TO BE RESODDED.
3. ACCESSIBLE RAMP SHALL BE MAX. SLOPE 1:12 W/ 2' DETECTABLE
WARNING SURFACE AS PER FDOT 522-002



Revision / Engineering				DESIGNED BY: O.B.
				DRAWN BY: O.B.
				CHECKED BY: J.C.F.
				DATE: 9/25/2023
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SEAL:	



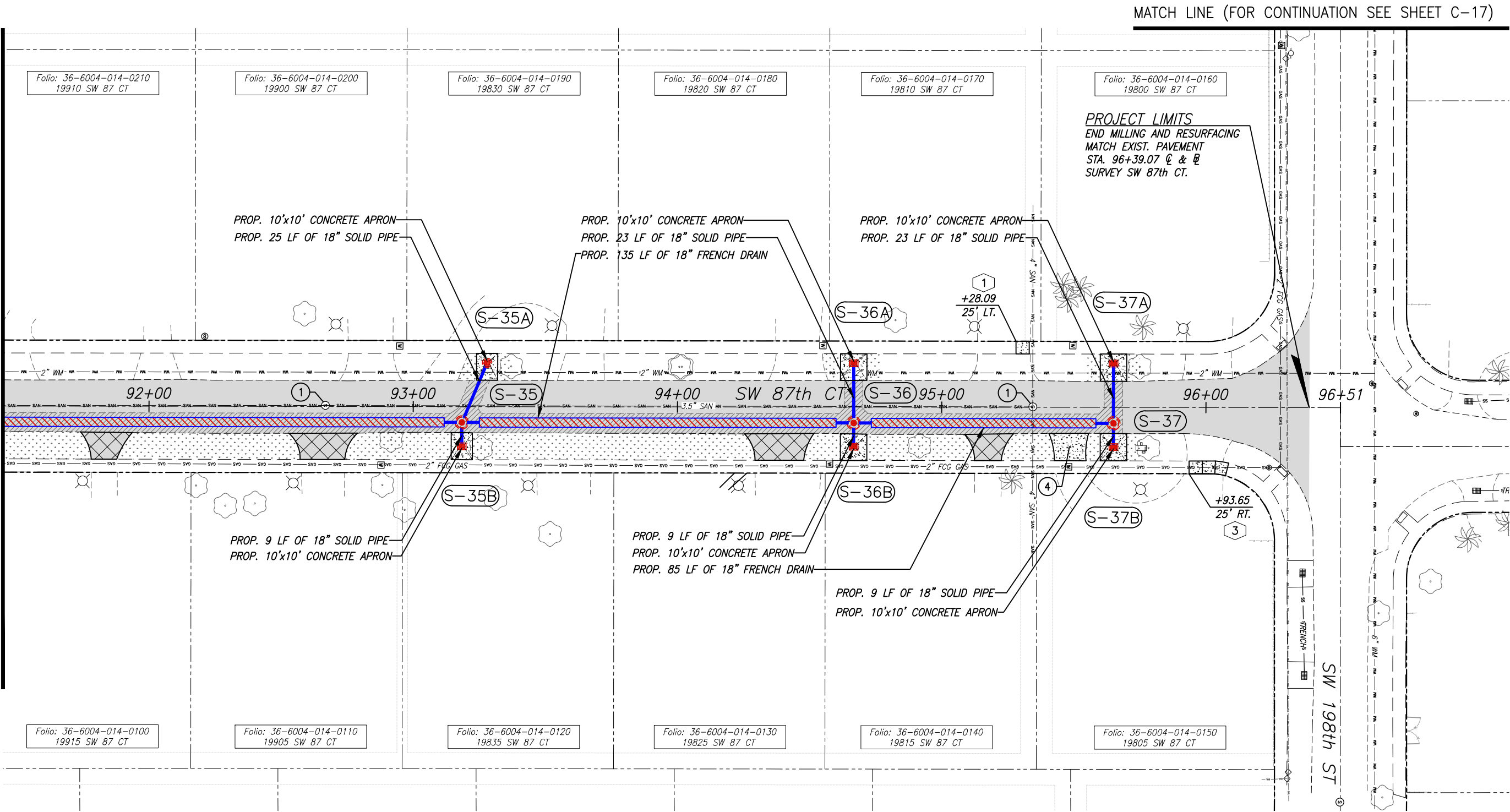
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CUTLER RIDGE PINES ROADWAY AND DRAINAGE IMPROVEMENTS

ROADWAY PLAN

File: F:\Engineering\SRS Projects\2022\2222 - Cutler Bay - Cutler Ridge Pines\Design\2222 - Cutler Bay - Roadway Plan.dwg - Plot Date: 4/8/2019

MATCH LINE STA. 91+45 (FOR CONTINUATION SEE SHEET C-11)

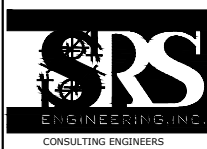


- NOTE:
- FOR LEGEND AND ABBREVIATIONS, SEE SHEET C-5
 - ALL EXISTING BROKEN SIDEWALKS SHALL BE REPLACED (SAW CUT), INSTALLS SIDEWALK FLAGS AS REQUIRED. SEE DETAIL "SIDEWALK FLAG REPLACEMENT" ON SHEET C-33, FOR THE AREA TO BE RESODDED.
 - ACCESSIBLE RAMP SHALL BE MAX. SLOPE 1:12 W/ 2' DETECTABLE WARNING SURFACE AS PER FDOT 522-002

REV.	DATE	BY:	DESCRIPTION

DESIGNED BY:	O.B.
DRAWN BY:	O.B.
CHECKED BY:	J.C.F.
DATE:	9/25/2023

SEAL:



5001 Southwest 74th Court, Suite 201
Miami, Florida 33155-4453
TEL: 305-662-8887, FAX 305-662-8858
WWW.SRS-CORP.COM

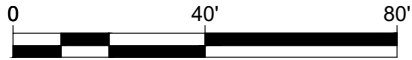
EB-00007317



CUTLER BAY
TOWN HALL
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PHONE: (305) 234-4262
FAX: (305) 234-4251

CUTLER RIDGE PINES ROADWAY AND DRAINAGE IMPROVEMENTS

ROADWAY PLAN



SCALE:	AS SHOWN
PROJECT NO.:	2222
DWG. NO.:	SHEET:
	C-18

THE USE OF THESE PLANS AND SPECIFICATIONS SHALL BE RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED AND PUBLICATION THEREOF IS EXPRESSLY LIMITED TO SUCH USE. RE-USE, REPRODUCTION OR PUBLICATION BY ANY METHOD, IN WHOLE OR IN PART, IS PROHIBITED. TITLE TO THE PLANS AND SPECIFICATIONS REMAINS WITH SRS ENGINEERING, INC. WITHOUT PREJUDICE. VISUAL CONTACT WITH THESE PLANS AND SPECIFICATIONS SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF THE ACCEPTANCE OF THE RESTRICTIONS.

File: F:\Engineering\SRS Projects\2022\2222 - Cutler Bay - Cutler Ridge Pines\Design\2222 - PAGE_19_32_DRAINAGE STRUCTURES.dwg - Plot Date: 4/8/2019

SW 200TH ST (CUTLER RIDGE DR)

15

E-11381

STA. 14+37.40 @ 24.60' LT.
EXIST. C.B. TO REMAIN
CONST. 6" CONC. APRON
RIM EL.= 7.06

10

5

0

-5

-10

SW 200TH ST (CUTLER RIDGE DR)

15

S-2A

STA. 11+79.40 @ 22.50' LT.
CONST. INLET TYPE D-1
W/ FRAME & GRATE U.S.F. 4700-6223
PER M-DPW STANDARD DETAILS SD-3.1
W/ 6" CONCRETE APRON
RIM EL.= 7.75
BOTTOM EL.= -0.40
INV. EL.= 1.60 (S)

10

5

0

-5

-10

SW 200TH ST (CUTLER RIDGE DR)

15

S-1

STA. 10+46.00 @ 6.10' LT.
CONST. M.H. TYPE P-7T
W/ FRAME & COVER U.S.F.-310A
PER M-DPW STANDARD DETAILS SD-2.7

RIM EL.= 9.58
BOTTOM EL.= 2.25
INV. EL.= 4.25 (E)

10

5

0

-5

-10

STA. 14+65.6 (±) (6' LT)
EXIST. 4" W.M. (TBFV)
(4" COVER ASSUMED)

S-4

63 LF OF 18" SOLID PIPE

E-11381

S-3

E-11045

EXIST. 6" F.M.
INV. EL. 2.40 (±)

EXIST. 6" W.M.
T.O.P. 3.00 (±)
(TBFV)

EXIST. 8" SAN.
INV. EL. 0.67 (±)

EXIST. 2" GAS
(TBFV)

EXIST. ELECT.
(TBFV)

EXIST. 15" S.D. PIPE

EXIST. 15" S.D. PIPE

INV. EL.=3.82

INV. EL.=0.25

INV. EL.=3.82

INV. EL.=2.70

EXIST. 15" S.D. PIPE

STA. 12+72.8 (±) (6' LT)
EXIST. WATER SERVICE (TBFV)
(2.5" COVER ASSUMED)

245 LF OF 18" FRENCH DRAIN

S-2A

S-2

S-2B

EXIST. 6" F.M.
INV. EL. 4.50 (±)

EXIST. 6" W.M.
T.O.P. 4.60 (±)
(TBFV)

EXIST. 2" GAS
(TBFV)

EXIST. ELECT.
(TBFV)

INV. EL.=1.60

PROP. 16 L.F. (±) OF 18" HDPE SOLID PIPE @ 1.00%

INV. EL.=1.44

INV. EL.=4.25

EXIST. 8" SAN.
INV. EL. 1.31 (±)

INV. EL.=3.34

INV. EL.=2.70

PROP. 26 L.F. (±) OF 18" HDPE SOLID PIPE @ 1.00%

INV. EL.=3.60

120 LF OF 18" FRENCH DRAIN

S-1

EXIST. 6" F.M.
INV. EL. 5.00 (±)

EXIST. 6" W.M.
T.O.P. 5.30 (±)
(TBFV)

EXIST. 8" SAN.
INV. EL. 1.82 (±)

INV. EL.=4.25

S-1

15

S-3

STA. 14+37.60 @ 6.00' LT.
CONST. M.H. TYPE P-7T
W/ FRAME & COVER U.S.F.-310A
PER M-DPW STANDARD DETAILS SD-2.7

10

RIM EL.= 7.19

BOTTOM EL.= -1.75

INV. EL.= 3.82 (S) RECONNECT EXIST. PIPE

INV. EL.= 3.82 (N) RECONNECT EXIST. PIPE

INV. EL.= 2.70 (W) BAFFLE

INV. EL.= 0.25 (E)

5

0

E-11045

STA. 14+38.00 @ 20.90' RT.
EXIST. C.B. TO REMAIN
CONST. 6" CONC. APRON
RIM EL.= 6.44

-5

-10

S-2

STA. 11+79.40 @ 6.00' LT.
CONST. M.H. TYPE J-7T
W/ FRAME & COVER U.S.F.-310A
PER M-DPW STANDARD DETAILS SD-2.6

15

RIM EL.= 8.79

BOTTOM EL.= -1.00

INV. EL.= 4.25 (W) BAFFLE

INV. EL.= 2.70 (E) BAFFLE

INV. EL.= 1.44 (N)

INV. EL.= 3.34 (S)

10

5

0

S-2B

STA. 11+79.40 @ 20.00' RT.
CONST. INLET TYPE D-1
W/ FRAME & GRATE U.S.F. 4700-6223
PER M-DPW STANDARD DETAILS SD-3.1
W/ 6" CONCRETE APRON
RIM EL.= 7.75
BOTTOM EL.= 1.60
INV. EL.= 3.60 (N)

-5

-10

15

10

5

0

-5

-10

NOTE:

THE CONTRACTOR SHALL VERIFY EXIST.
STRUCTURES INVERTS PRIOR TO ORDERING AND
CONSTRUCTING OF THE DRAINAGE SYSTEM.

SCALE: 1"=10' (VERT.)

1"=10' (HORI.)

(TBFV) = TO BE FIELD VERIFIED

DESIGNED BY:
O.B.

DRAWN BY:
O.B.

CHECKED BY:
J.C.F.

DATE:
9/25/2023

SEAL:



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CONSULTING ENGINEERS

EB-00007317



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CUTLER BAY, FL 33189
PHONE: (305) 234-4262
FAX: (305) 234-4251

CUTLER RIDGE PINES ROADWAY AND DRAINAGE IMPROVEMENTS

DRAINAGE STRUCTURES

SCALE:
AS SHOWN

PROJECT NO.:

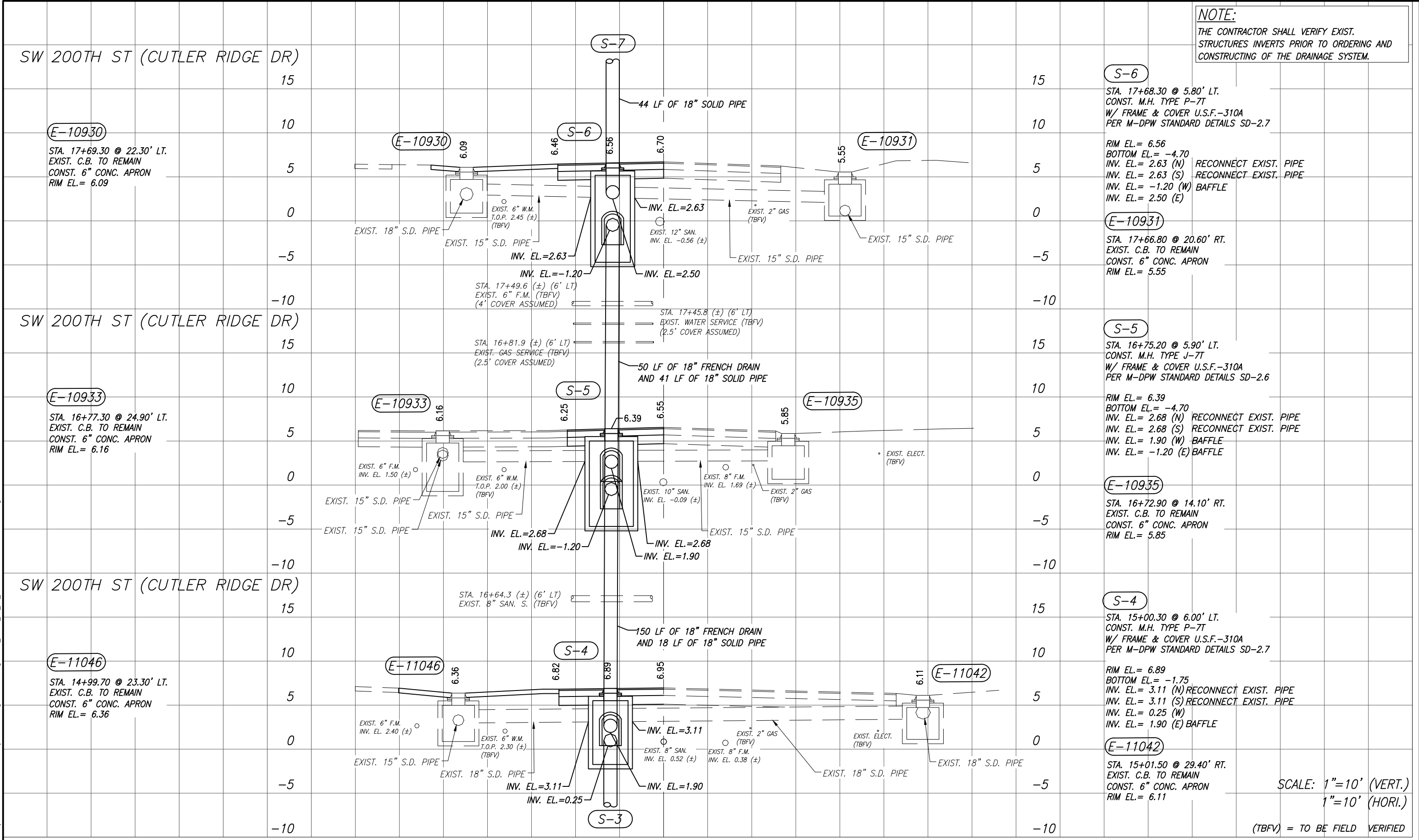
2222

DWG. NO.:

SHEET:

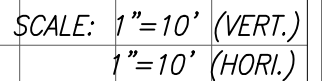
C-19

Filepath: F:\Engineering\SRS Projects\2022\2222 - Cutler Bay - Drainage Structures.dwg - Plot Date: 4/8/2019



DESIGNED BY: O.B.				SEAL:				CUTLER RIDGE PINES ROADWAY AND DRAINAGE IMPROVEMENTS				DRAINAGE STRUCTURES			
DRAWN BY: O.B.				SRS ENGINEERING INC. CONSULTING ENGINEERS				CUTLER BAY TOWN HALL 10720 CARIBBEAN BOULEVARD CUTLER BAY, FL 33189 PHONE: (305) 234-4262 FAX: (305) 234-4251				PROJECT NO.: 2222			
CHECKED BY: J.C.F.				Cutler Bay FLORIDA INCORPORATED 2001				DWG. NO.: C-20				SHEET: C-20			
DATE: 9/25/2023				5001 Southwest 74th Court, Suite 201 Miami, Florida 33155-4453 TEL. 305-662-8887, FAX 305-662-8858 WWW.SRS-CORP.COM				REV. DATE BY: DESCRIPTION							

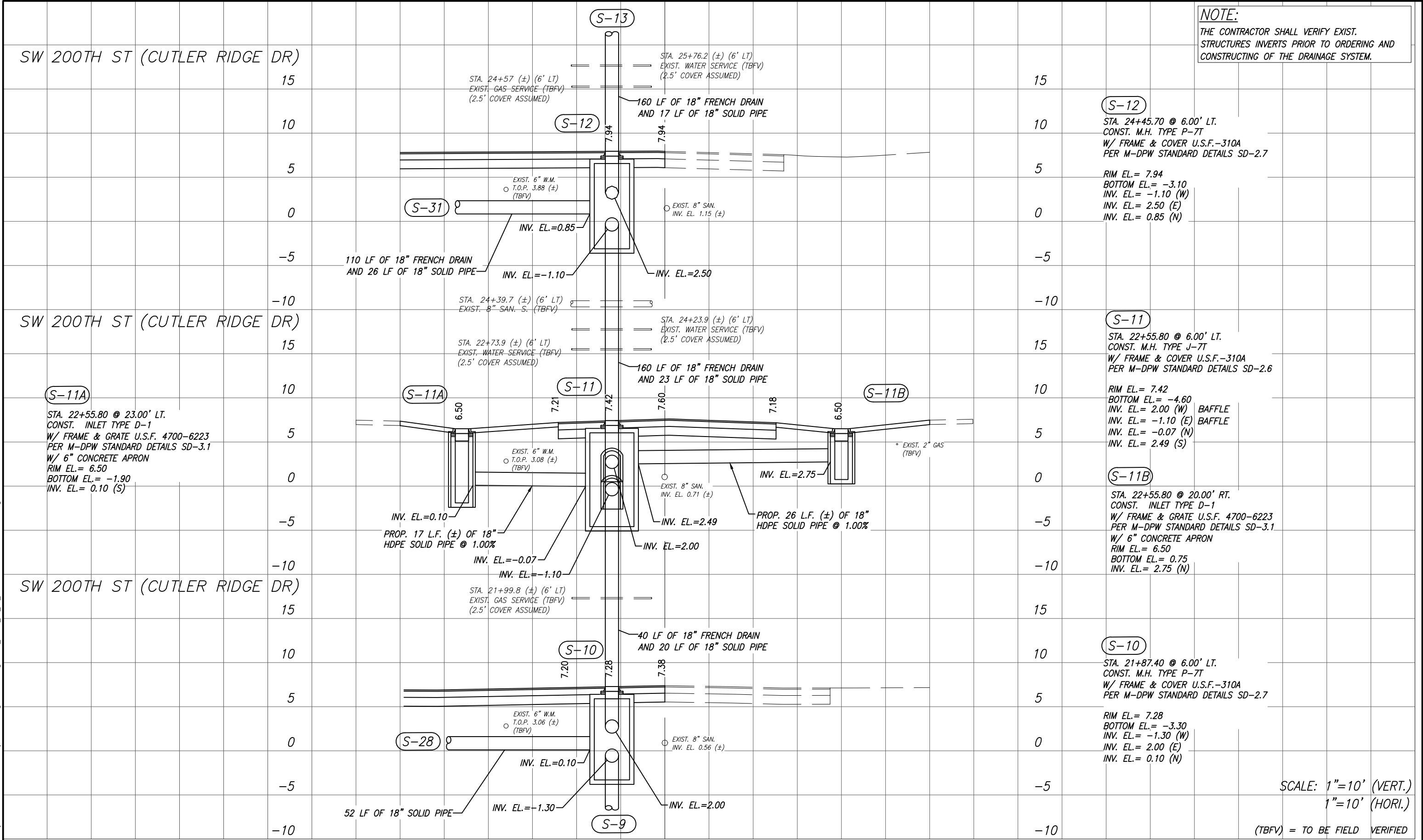
THE CONTRACTOR SHALL VERIFY EXIST.
STRUCTURES INVERTS PRIOR TO ORDERING AND
CONSTRUCTING OF THE DRAINAGE SYSTEM.



Filenam e: F:\Engineering\SRS Projects\2022\2222 - Cutler Bay - Cutler Ridge Pines\Design\2222 PAGE 19 32 DRAINAGE STRUCTURES.dwg - Plot Date: 4.8.2019

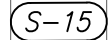
				DESIGNED BY: O.B.	SEAL:	 <div>5001 Southwest 74th Court, Suite 201 Miami, Florida 33155-4453 TEL. 305-662-8887, FAX 305-662-8858 WWW.SRS-CDRP.COM</div>	 <div>CUTLER BAY TOWN HALL 10720 CARIBBEAN BOULEVARD CUTLER BAY, FL 33189 PHONE: (305) 234-4262 FAX: (305) 234-4251</div>	CUTLER RIDGE PINES ROADWAY AND DRAINAGE IMPROVEMENTS	DRAINAGE STRUCTURES	SCALE: AS SHOWN
			DRAWN BY: O.B.	PROJECT NO.: 2222						
			CHECKED BY: J.C.F.	DWG. NO.:						SHEET:
REV.	DATE	BY:	DESCRIPTION	DATE: 9/25/2023						C-21

File: F:\Engineering\SRSS Projects\2022\2222 - Cutler Bay - Drainage Structures.dwg - Plot Date: 4.8.2019



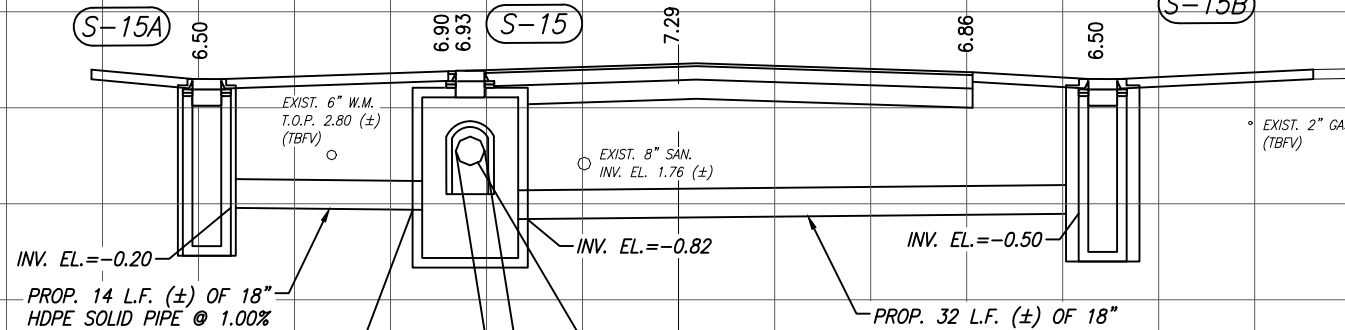
DESIGNED BY: O.B.				SEAL:				CUTLER RIDGE PINES ROADWAY AND DRAINAGE IMPROVEMENTS				SCALE: AS SHOWN			
DRAWN BY: O.B.				5001 Southwest 74 th Court, Suite 201 Miami, Florida 33155-4453 TEL. 305-662-8887, FAX 305-662-8858 WWW.SRS-CORP.COM				CUTLER BAY TOWN HALL 10720 CARIBBEAN BOULEVARD CUTLER BAY, FL 33189 PHONE: (305) 234-4262 FAX: (305) 234-4251				PROJECT NO.: 2222			
CHECKED BY: J.C.F.				DATE: 9/25/2023				DWG. NO.: C-22				SHEET: C-22			
REV.				DATE				BY:				DESCRIPTION			

THE CONTRACTOR SHALL VERIFY EXIST.
STRUCTURES INVERTS PRIOR TO ORDERING AND
CONSTRUCTING OF THE DRAINAGE SYSTEM.



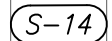
(S-15A)

STA. 29+09.60 @ 24.60' LT.
CONST. INLET TYPE D-1
W/ FRAME & GRATE U.S.F. 4700-6223
PER M-DPW STANDARD DETAILS SD-3.1
W/ 6" CONCRETE APRON
RIM EL.= 6.50
BOTTOM EL.= -2.20
INV. EL.= -0.20 (S)



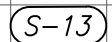
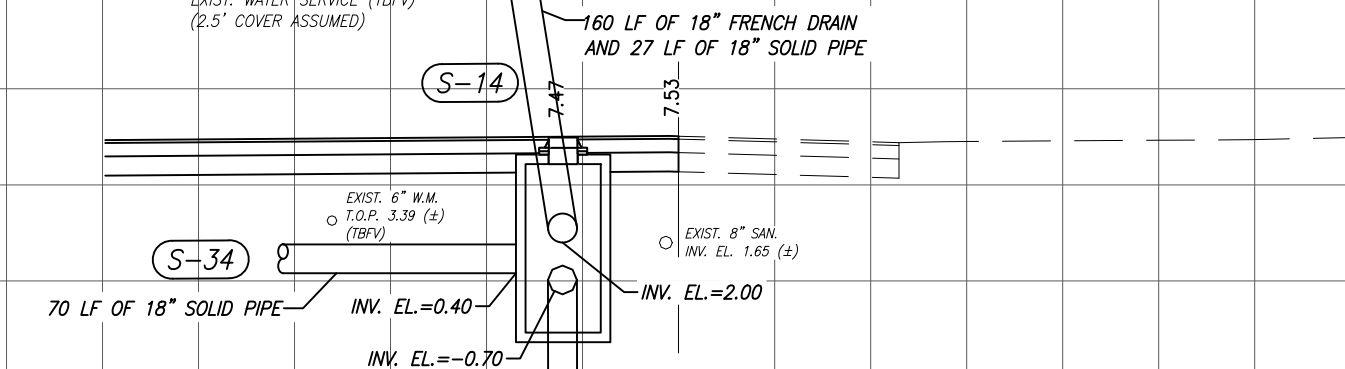
(S-15B)

STA. 29+19.90 @ 19.50' RT.
CONST. INLET TYPE D-1
W/ FRAME & GRATE U.S.F. 4700-6223
PER M-DPW STANDARD DETAILS SD-3.1
W/ 6" CONCRETE APRON
RIM EL.= 6.50
BOTTOM EL.= -2.50
INV. EL.= -0.50 (N)



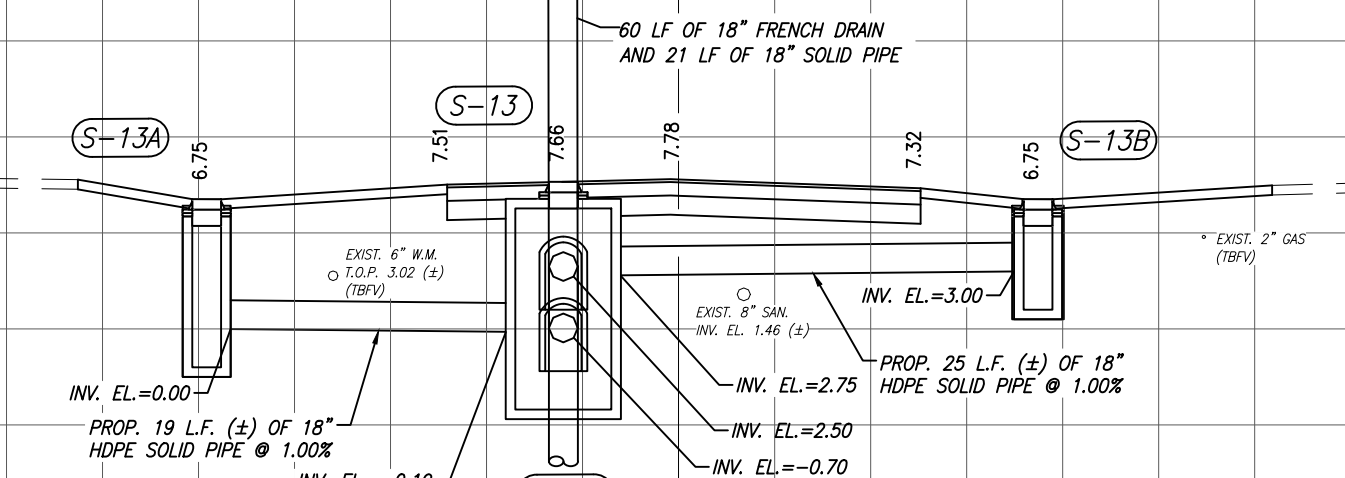
STA. 27+15.60 @ 6.00' LT.
CONST. M.H. TYPE P-7T
W/ FRAME & COVER U.S.F.-310A
PER M-DPW STANDARD DETAILS SD-2.7

RIM EL. = 7.47
 BOTTOM EL. = -2.70
 INV. EL. = -0.70 (W)
 INV. EL. = 2.00 (E)
 INV. EL. = 0.40 (N)



STA. 26+28.40 @ 6.00' LT.
CONST. M.H. TYPE J-7T
W/ FRAME & COVER U.S.F.-310A
PER M-DPW STANDARD DETAILS SD-2.6

RIM EL.= 7.66	
BOTTOM EL.= -4.20	
INV. EL.= 2.50 (W)	BAFFLE
INV. EL.= -0.70 (E)	BAFFLE
INV. EL.= -0.19 (N)	
INV. EL.= 2.75 (S)	



(S-13B)

STA. 26+33.60 @ 18.00' RT.
CONST. INLET TYPE D-1
W/ FRAME & GRATE U.S.F. 4700-6223
PER M-DPW STANDARD DETAILS SD-3.1
W/ 6" CONCRETE APRON
RIM EL. = 6.75
BOTTOM EL. = 1.00
INV. EL. = 3.00 (N) (TRF)

SCALE:	$1''=10'$	(VERT.)
	$1''=10'$	(HORI.)

(TBFV) = TO BE FIELD VERIFIED

				DESIGNED BY: O.B.
				DRAWN BY: O.B.
				CHECKED BY: J.C.F.
REV.	DATE	BY:	DESCRIPTION	DATE: 9/25/2023

SEAL:



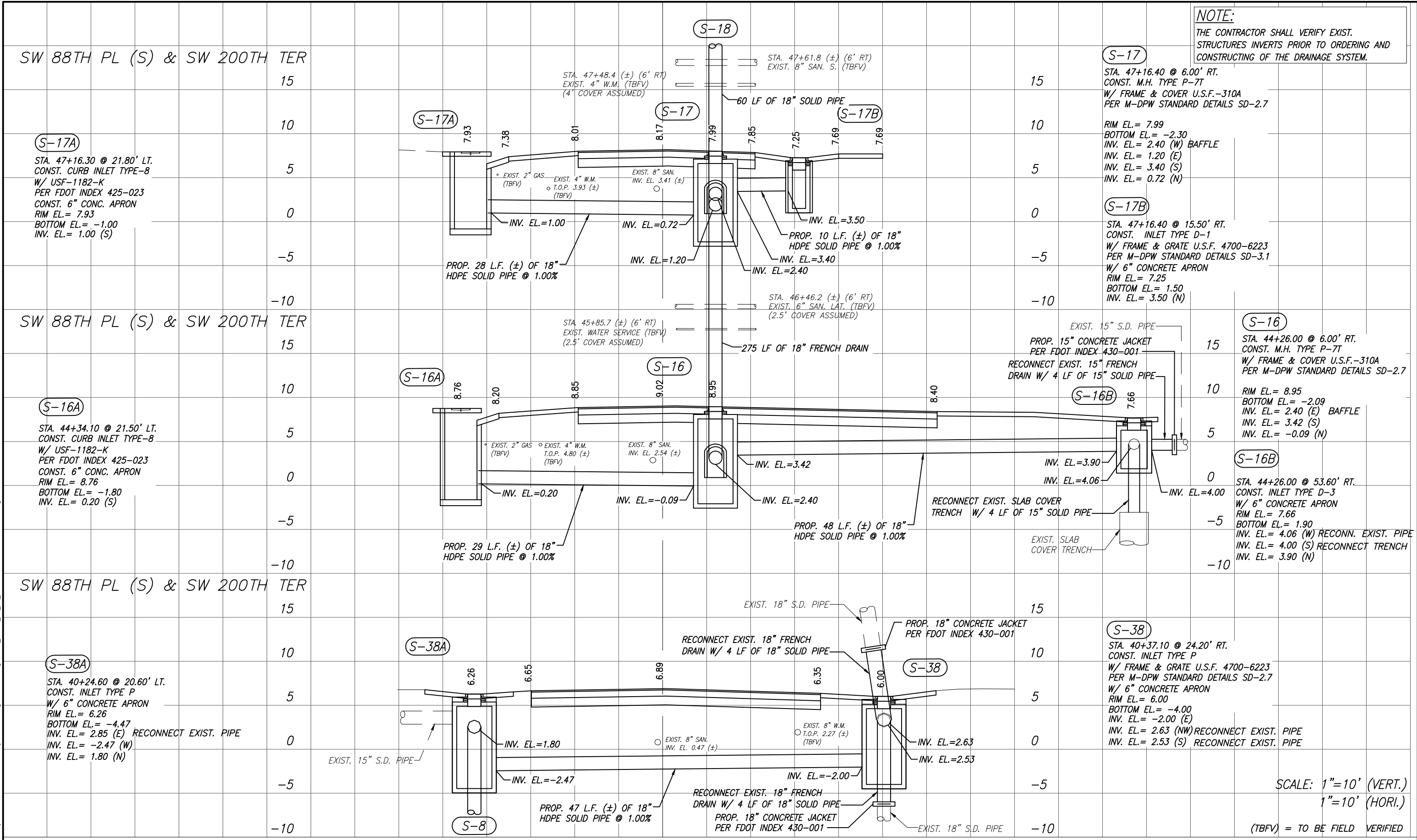
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PHONE: (305) 234-4262
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CUTLER RIDGE PINES ROADWAY AND DRAINAGE IMPROVEMENTS

DRAINAGE STRUCTURES



SCALE: AS SHOWN	
PROJECT NO.: 2222	
DWG. NO.:	SHEET: C-23

File: F:\Engineering\SRS Projects\2022\2222 - Cutler Ridge Pines\Design\2222 - PAGE_19_32_DRAINAGE STRUCTURES.dwg - Plot Date: 4/8/2019



REV.	DATE	BY:	DESCRIPTION

DESIGNED BY: O.B.	SEAL:
DRAWN BY: O.B.	
CHECKED BY: J.C.F.	
DATE: 9/25/2023	

 SRS ENGINEERING CONSULTING ENGINEERS	5001 Southwest 74th Court, Suite 201 Miami, Florida 33155-4453 TEL. 305-662-8887, FAX 305-662-8858 WWW.SRS-CORP.COM	 Cutler Bay FLORIDA	CUTLER BAY TOWN HALL 10720 CARIBBEAN BOULEVARD CUTLER BAY, FL 33189 PHONE: (305) 234-4262 FAX: (305) 234-4251	CUTLER RIDGE PINES ROADWAY AND DRAINAGE IMPROVEMENTS	DRAINAGE STRUCTURES	SCALE: AS SHOWN PROJECT NO.: 2222 DWG. NO.: SHEET: C-24
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File name: F:\Engineering\SRS Projects\2022\2222 - Cutler Bay - Cutler Ridge Pines\Design\2222 - PAGE_19_32_DRAINAGE STRUCTURES.dwg - Plot Date: 4.8.2019

NOTE:

THE CONTRACTOR SHALL VERIFY EXIST.
STRUCTURES INVERTS PRIOR TO ORDERING AND
CONSTRUCTING OF THE DRAINAGE SYSTEM.

SW 89TH AVE

S-21A

STA. 51+50.80 @ 16.50' LT.
CONST. INLET TYPE D-1
W/ FRAME & GRATE U.S.F. 4700-6223
PER M-DPW STANDARD DETAILS SD-3.1
W/ 6" CONCRETE APRON
RIM EL.= 7.00
BOTTOM EL.= -1.50
INV. EL.= 0.50 (E)

15

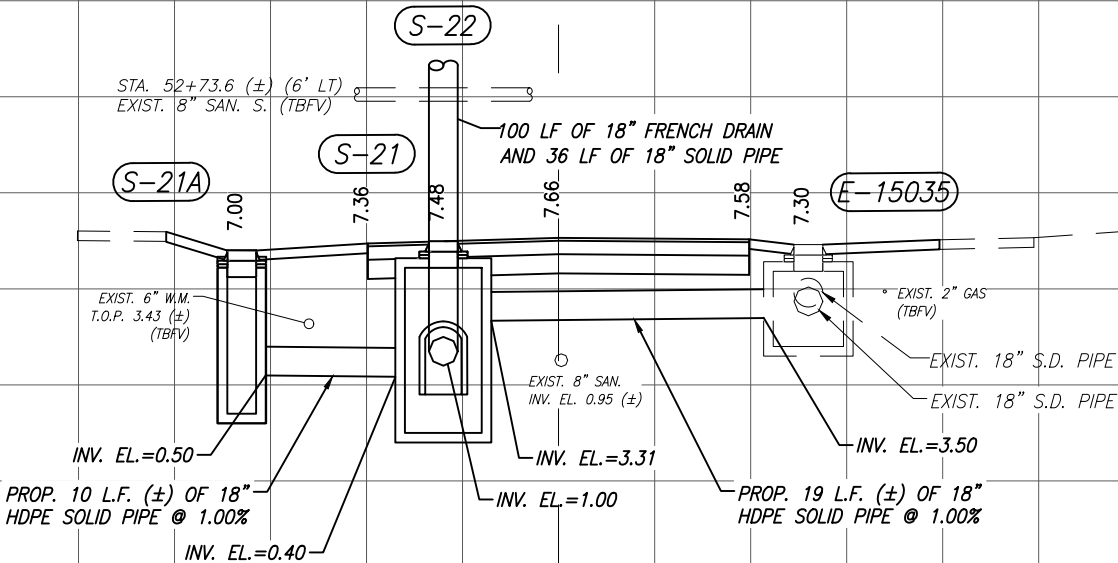
10

5

0

-5

-10



S-21

STA. 51+50.80 @ 6.00' LT.
CONST. M.H. TYPE P-7T
W/ FRAME & COVER U.S.F.-310A
PER M-DPW STANDARD DETAILS SD-2.7

RIM EL.= 7.48
BOTTOM EL.= -2.50
INV. EL.= 0.40 (W)
INV. EL.= 3.31 (E)
INV. EL.= 1.00 (N) BAFFLE
E-15035

STA. 51+50.70 @ 13.00' RT.
EXIST. C.B. TO REMAIN
CONST. 6" CONC. APRON
RIM EL.= 7.30
BOTTOM EL.= 2.00
INV. EL.= 4.05 (S)
INV. EL.= 3.60 (N)
INV. EL.= 3.50 (W)

CORE AND DRILL

15

10

5

0

-5

-10

SCALE: 1"=10' (VERT.)
1"=10' (HORI.)

(TBFV) = TO BE FIELD VERIFIED

DESIGNED BY:
O.B.
DRAWN BY:
O.B.
CHECKED BY:
J.C.F.
DATE:
9/25/2023

SEAL:



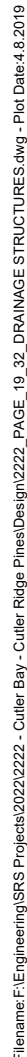
CUTLER BAY
TOWN HALL
10720 CARIBBEAN
BOULEVARD
CUTLER BAY, FL 33189
PHONE: (305) 234-4262
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CUTLER RIDGE PINES
ROADWAY AND DRAINAGE
IMPROVEMENTS

DRAINAGE STRUCTURES

SCALE:
AS SHOWN
PROJECT NO.:
2222
DWG. NO.:
SHEET:
C-26

THE CONTRACTOR SHALL VERIFY EXIST.
STRUCTURES INVERTS PRIOR TO ORDERING AND
CONSTRUCTING OF THE DRAINAGE SYSTEM.



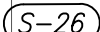
				DESIGNED BY: O.B.	SEAL:	 <div> 5001 Southwest 74th Court, Suite 201 Miami, Florida 33155-4453 TEL: 305-662-8887, FAX 305-662-8858 WWW.SRS-CORP.COM </div>	 <div> CUTLER BAY TOWN HALL 10720 CARIBBEAN BOULEVARD CUTLER BAY, FL 33189 PHONE: (305) 234-4262 FAX: (305) 234-4251 </div>	<h1>CUTLER RIDGE PINES ROADWAY AND DRAINAGE IMPROVEMENTS</h1>	<h1>DRAINAGE STRUCTURES</h1>	SCALE: AS SHOWN	<div>PROJECT NO.: 2222</div> <div>DWG. NO.: SHEET: C-27</div>
				DRAWN BY: O.B.						PROJECT NO.:	
				CHECKED BY: J.C.F.						2222	
				DATE: 9/25/2023						DWG. NO.:	
REV.	DATE	BY:	DESCRIPTION								

<p>SW 88TH PL (N)</p>															<p>NOTE: THE CONTRACTOR SHALL VERIFY EXIST. STRUCTURES INVERTS PRIOR TO ORDERING AND CONSTRUCTING OF THE DRAINAGE SYSTEM.</p>																													
<p>E-601 STA. 61+01.00 @ 16.00' LT. EXIST. C.B. TO REMAIN CONST. 6" CONC. APRON RIM EL.= 6.32 BOTTOM EL.= -1.29 INV. EL.= 2.62 (S) INV. EL.= -0.20 (E) CORE AND DRILL</p>															<p>STA. 61+16.9 (±) (8' LT) EXIST. WATER SERVICE (TBFV) (2.5' COVER ASSUMED)</p>															<p>STA. 62+83.8 (±) (8' LT) EXIST. WATER SERVICE (TBFV) (2.5' COVER ASSUMED)</p>														
<p>15</p>															<p>15</p>															<p>15</p>														
<p>10</p>															<p>10</p>															<p>10</p>														
<p>5</p>															<p>5</p>															<p>5</p>														
<p>0</p>															<p>0</p>															<p>0</p>														
<p>-5</p>															<p>-5</p>															<p>-5</p>														
<p>-10</p>															<p>-10</p>															<p>-10</p>														
<p>E-317 INV. EL.= -0.20</p>															<p>S-26 STA. 61+00.90 @ 8.00' LT. CONST. M.H. TYPE P-7T W/ FRAME & COVER U.S.F.-310A PER M-DPW STANDARD DETAILS SD-2.7 RIM EL.= 6.67 BOTTOM EL.= -2.28 INV. EL.= -0.28 (W) INV. EL.= 1.45 (N) BAFFLE</p>															<p>S-27 210 LF OF 18" FRENCH DRAIN</p>														
<p>EXIST. 18" S.D. PIPE</p>															<p>EXIST. 18" S.D. PIPE</p>															<p>EXIST. 8" SAN. INV. EL. 0.74 (±)</p>														
<p>PROP. 8 L.F. (±) OF 18" HDPE SOLID PIPE @ 1.00%</p>															<p>INV. EL.= -0.28</p>															<p>INV. EL.= 1.45</p>														
<p>SCALE: 1"=10' (VERT.) 1"=10' (HORI.)</p>															<p>(TBFV) = TO BE FIELD VERIFIED</p>															<p>SCALE: 1"=10' (VERT.) 1"=10' (HORI.)</p>														

	SCALE: 1"=10' (VERT.)	
	1"=10' (HORI.)	
(TBFV) = TO BE FIELD	VERIFIED	

				DESIGNED BY: O.B.	SEAL:	 <p>5001 Southwest 74th Court, Suite 201 Miami, Florida 33155-4453 TEL. 305-662-8887, FAX 305-662-8858 WWW.SRS-CORP.COM</p> <p>CONSULTING ENGINEERS EB-00007317</p>	 <p>CUTLER BAY TOWN HALL</p> <p>10720 CARIBBEAN BOULEVARD CUTLER BAY, FL 33189 PHONE: (305) 234-4262 FAX: (305) 234-4251</p>	CUTLER RIDGE PINES ROADWAY AND DRAINAGE IMPROVEMENTS	DRAINAGE STRUCTURES	SCALE: AS SHOWN		
				DRAWN BY: O.B.						PROJECT NO.: 2222		
				CHECKED BY: J.C.F.						DWG. NO.:		SHEET: C-28
				DATE: 9/25/2023								
REV.	DATE	BY:	DESCRIPTION									

THE CONTRACTOR SHALL VERIFY EXIST.
STRUCTURES INVERTS PRIOR TO ORDERING AND
CONSTRUCTING OF THE DRAINAGE SYSTEM.

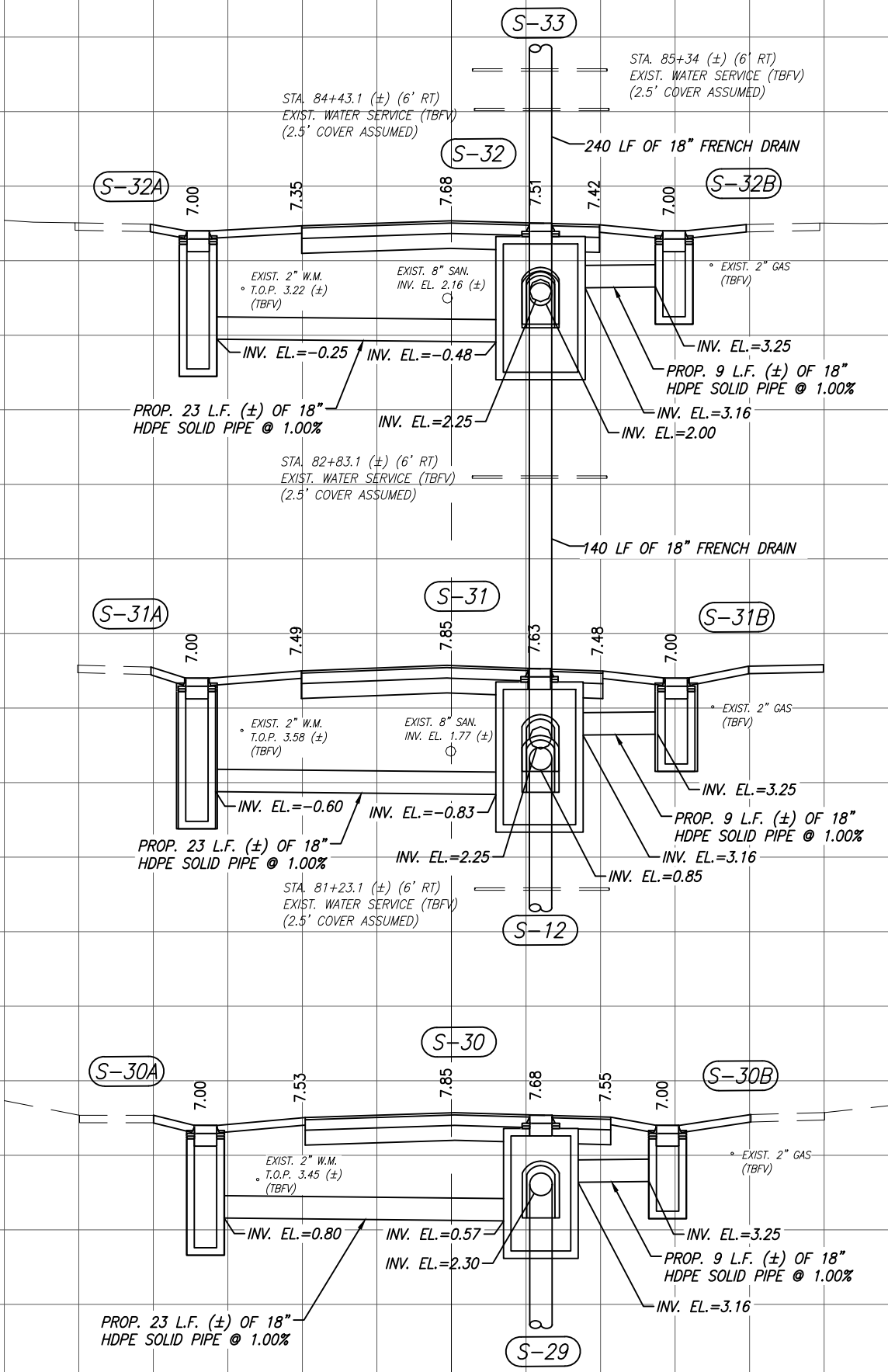


STA. 63+24.80 @ 14.50' RT.
CONST. INLET TYPE D-1
W/ FRAME & GRATE U.S.F. 4700-6223
PER M-DPW STANDARD DETAILS SD-3.1
W/ 6" CONCRETE APRON
RIM EL. = 6.50
BOTTOM EL. = -2.00
INV. EL. = 0.00 (W)

(TBFV) = TO BE FIELD VERIFIED

SCALE: AS SHOWN	
PROJECT NO.: 2222	
DWG. NO.:	SHEET: C-29

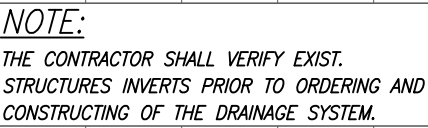
THE CONTRACTOR SHALL VERIFY EXIST.
STRUCTURES INVERTS PRIOR TO ORDERING AND
CONSTRUCTING OF THE DRAINAGE SYSTEM.



SCALE:	1"=10' (VERT.)
	1"=10' (HORI.)

(TBFV) = TO BE FIELD VERIFIED

<div>SW 87TH PL</div> <div><div><div>S-32A</div><div>STA. 83+01.70 @ 17.00' LT. CONST. INLET TYPE D-1 W/ FRAME & GRATE U.S.F. 4700-6223 PER M-DPW STANDARD DETAILS SD-3.1 W/ 6" CONCRETE APRON RIM EL.= 7.00 BOTTOM EL.= -2.25 INV. EL.= -0.25 (E)</div></div><div><div>S-32</div><div>STA. 84+43.1 (±) (6' RT) EXIST. WATER SERVICE (TBFV) (2.5' COVER ASSUMED)</div><div><div>S-32B</div><div>STA. 85+34 (±) (6' RT) EXIST. WATER SERVICE (TBFV) (2.5' COVER ASSUMED)</div></div></div><div><div>240 LF OF 18" FRENCH DRAIN</div><div>EXIST. 2" W.M. T.O.P. 3.22 (±) (TBFV)</div><div>EXIST. 8" SAN. INV. EL. 2.16 (±) O</div><div>EXIST. 2" GAS (TBFV)</div><div>PROP. 23 L.F. (±) OF 18" HDPE SOLID PIPE @ 1.00%</div><div>INV. EL.= -0.25</div><div>INV. EL.= -0.48</div><div>INV. EL.= 2.25</div><div>PROP. 9 L.F. (±) OF 18" HDPE SOLID PIPE @ 1.00%</div><div>INV. EL.= 3.25</div><div>INV. EL.= 3.16</div><div>INV. EL.= 2.00</div></div><div><div>S-32A</div><div>7.00</div><div>7.35</div><div>7.68</div><div>7.51</div><div>7.42</div><div>7.00</div><div>S-32B</div></div><div><div>STA. 82+83.1 (±) (6' RT) EXIST. WATER SERVICE (TBFV) (2.5' COVER ASSUMED)</div></div><div><div>140 LF OF 18" FRENCH DRAIN</div><div>EXIST. 2" W.M. T.O.P. 3.58 (±) (TBFV)</div><div>EXIST. 8" SAN. INV. EL. 1.77 (±) O</div><div>EXIST. 2" GAS (TBFV)</div><div>PROP. 23 L.F. (±) OF 18" HDPE SOLID PIPE @ 1.00%</div><div>INV. EL.= -0.60</div><div>INV. EL.= -0.83</div><div>INV. EL.= 2.25</div><div>PROP. 9 L.F. (±) OF 18" HDPE SOLID PIPE @ 1.00%</div><div>INV. EL.= 3.25</div><div>INV. EL.= 3.16</div><div>INV. EL.= 0.85</div></div><div><div>S-31A</div><div>7.00</div><div>7.49</div><div>7.85</div><div>7.63</div><div>7.48</div><div>7.00</div><div>S-31B</div></div><div><div>STA. 81+23.1 (±) (6' RT) EXIST. WATER SERVICE (TBFV) (2.5' COVER ASSUMED)</div></div><div><div>S-30</div><div>STA. 75+55.00 @ 16.50' LT. CONST. INLET TYPE D-1 W/ FRAME & GRATE U.S.F. 4700-6223 PER M-DPW STANDARD DETAILS SD-3.1 W/ 6" CONCRETE APRON RIM EL.= 7.00 BOTTOM EL.= -1.20 INV. EL.= 0.80 (E)</div><div><div>S-30A</div><div>STA. 75+55.00 @ 6.00' RT. CONST. M.H. TYPE P-7T W/ FRAME & COVER U.S.F.-310A PER M-DPW STANDARD DETAILS SD-2.7</div><div><div>S-30B</div><div>STA. 75+55.00 @ 14.50' RT. CONST. INLET TYPE D-1 W/ FRAME & GRATE U.S.F. 4700-6223 PER M-DPW STANDARD DETAILS SD-3.1 W/ 6" CONCRETE APRON RIM EL.= 7.00 BOTTOM EL.= 1.25 INV. EL.= 3.25 (W)</div></div></div><div><div>EXIST. 2" W.M. T.O.P. 3.45 (±) (TBFV)</div><div>EXIST. 2" GAS (TBFV)</div><div>PROP. 23 L.F. (±) OF 18" HDPE SOLID PIPE @ 1.00%</div><div>INV. EL.= 0.80</div><div>INV. EL.= 0.57</div><div>INV. EL.= 2.30</div><div>PROP. 9 L.F. (±) OF 18" HDPE SOLID PIPE @ 1.00%</div><div>INV. EL.= 3.25</div><div>INV. EL.= 3.16</div></div><div><div>S-30A</div><div>7.00</div><div>7.53</div><div>7.85</div><div>7.68</div><div>7.55</div><div>7.00</div><div>S-30B</div></div><div><div>S-29</div><div>7.00</div><div>7.53</div><div>7.85</div><div>7.68</div><div>7.55</div><div>7.00</div><div>S-30B</div></div><div><div>STA. 81+50.00 @ 17.00' LT. CONST. INLET TYPE D-1 W/ FRAME & GRATE U.S.F. 4700-6223 PER M-DPW STANDARD DETAILS SD-3.1 W/ 6" CONCRETE APRON RIM EL.= 7.00 BOTTOM EL.= -2.60 INV. EL.= -0.60 (E)</div><div><div>S-31A</div><div>STA. 81+48.40 @ 5.90' RT. CONST. M.H. TYPE J-7T W/ FRAME & COVER U.S.F.-310A PER M-DPW STANDARD DETAILS SD-2.6</div><div><div>S-31B</div><div>STA. 81+50.00 @ 15.00' RT. CONST. INLET TYPE D-1 W/ FRAME & GRATE U.S.F. 4700-6223 PER M-DPW STANDARD DETAILS SD-3.1 W/ 6" CONCRETE APRON RIM EL.= 7.00 BOTTOM EL.= 1.25 INV. EL.= 3.25 (W)</div></div></div><div><div>EXIST. 2" W.M. T.O.P. 3.58 (±) (TBFV)</div><div>EXIST. 8" SAN. INV. 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EL. 2.16 (±) O</div><div>EXIST. 2" GAS (TBFV)</div><div>PROP. 23 L.F. (±) OF 18" HDPE SOLID PIPE @ 1.00%</div><div>INV. EL.= -0.25</div><div>INV. EL.= -0.48</div><div>INV. EL.= 2.25</div><div>PROP. 9 L.F. (±) OF 18" HDPE SOLID PIPE @ 1.00%</div><div>INV. EL.= 3.25</div><div>INV. EL.= 3.16</div><div>INV. EL.= 2.00</div></div><div><div>S-32A</div><div>7.00</div><div>7.35</div><div>7.68</div><div>7.51</div><div>7.42</div><div>7.00</div><div>S-32B</div></div><div><div>STA. 82+83.1 (±) (6' RT) EXIST. WATER SERVICE (TBFV) (2.5' COVER ASSUMED)</div></div><div><div>140 LF OF 18" FRENCH DRAIN</div><div>EXIST. 2" W.M. T.O.P. 3.58 (±) (TBFV)</div><div>EXIST. 8" SAN. INV. EL. 1.77 (±) O</div><div>EXIST. 2" GAS (TBFV)</div><div>PROP. 23 L.F. (±) OF 18" HDPE SOLID PIPE @ 1.00%</div><div>INV. EL.= -0.60</div><div>INV. EL.= -0.83</div><div>INV. EL.= 2.25</div><div>PROP. 9 L.F. (±) OF 18" HDPE SOLID PIPE @ 1.00%</div><div>INV. EL.= 3.25</div><div>INV. EL.= 3.16</div><div>INV. EL.= 0.85</div></div><div><div>S-31A</div><div>7.00</div><div>7.49</div><div>7.85</div><div>7.63</div><div>7.48</div><div>7.00</div><div>S-31B</div></div><div><div>STA. 81+23.1 (±) (6' RT) EXIST. WATER SERVICE (TBFV) (2.5' COVER ASSUMED)</div></div><div><div>S-30</div><div>STA. 75+55.00 @ 16.50' LT. CONST. INLET TYPE D-1 W/ FRAME & GRATE U.S.F. 4700-6223 PER M-DPW STANDARD DETAILS SD-3.1 W/ 6" CONCRETE APRON RIM EL.= 7.00 BOTTOM EL.= -1.20 INV. EL.= 0.80 (E)</div><div><div>S-30A</div><div>STA. 75+55.00 @ 6.00' RT. CONST. M.H. TYPE P-7T W/ FRAME & COVER U.S.F.-310A PER M-DPW STANDARD DETAILS SD-2.7</div><div><div>S-30B</div><div>STA. 75+55.00 @ 14.50' RT. CONST. INLET TYPE D-1 W/ FRAME & GRATE U.S.F. 4700-6223 PER M-DPW STANDARD DETAILS SD-3.1 W/ 6" CONCRETE APRON RIM EL.= 7.00 BOTTOM EL.= 1.25 INV. EL.= 3.25 (W)</div></div></div><div><div>EXIST. 2" W.M. T.O.P. 3.45 (±) (TBFV)</div><div>EXIST. 2" GAS (TBFV)</div><div>PROP. 23 L.F. (±) OF 18" HDPE SOLID PIPE @ 1.00%</div><div>INV. 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				DESIGNED BY: O.B.	SEAL:	 <div>5001 Southwest 74th Court, Suite 201 Miami, Florida 33155-4453 TEL: 305-662-8887, FAX 305-662-8858 WWW.SRS-CORP.COM</div>	 <div>CUTLER BAY TOWN HALL 10720 CARIBBEAN BOULEVARD CUTLER BAY, FL 33189 PHONE: (305) 234-4262 FAX: (305) 234-4251</div>	CUTLER RIDGE PINES ROADWAY AND DRAINAGE IMPROVEMENTS	DRAINAGE STRUCTURES	SCALE: AS SHOWN
				PROJECT NO.: 2222						
				DWG. NO.:						SHEET: C-31
REV.	DATE	BY:	DESCRIPTION	DATE: 9/25/2023						

Filepath: F:\Engineering\SRP Projects\2022\2222 - Cutler Bay - Cutler Ridge Pines\Design\2222 - PAGE_19_32_DRAINAGE STRUCTURES.dwg - Plot Date: 4/8/2019

NOTE:

THE CONTRACTOR SHALL VERIFY EXIST.
STRUCTURES INVERTS PRIOR TO ORDERING AND
CONSTRUCTING OF THE DRAINAGE SYSTEM.

SW 87TH CT

15

10

5

0

-5

-10

SW 87TH CT

15

10

5

0

-5

-10

S-37

STA. 95+65.00 @ 6.00' RT.
CONST. M.H. TYPE P-7T
W/ FRAME & COVER U.S.F.-310A
PER M-DPW STANDARD DETAILS SD-2.7

RIM EL.= 6.92
BOTTOM EL.= -2.20
INV. EL.= 1.30 (S) BAFFLE
INV. EL.= -0.17 (W)
INV. EL.= 2.66 (E)

S-37B

STA. 95+65.00 @ 15.00' RT.
CONST. INLET TYPE D-1
W/ FRAME & GRATE U.S.F. 4700-6223
PER M-DPW STANDARD DETAILS SD-3.1
W/ 6" CONCRETE APRON
RIM EL.= 6.50
BOTTOM EL.= 0.75
INV. EL.= 2.75 (W)

S-36

STA. 94+66.70 @ 6.00' RT.
CONST. M.H. TYPE J-7T
W/ FRAME & COVER U.S.F.-310A
PER M-DPW STANDARD DETAILS SD-2.6

RIM EL.= 6.92
BOTTOM EL.= -2.20
INV. EL.= 1.75 (S) BAFFLE
INV. EL.= 1.30 (N) BAFFLE
INV. EL.= -0.18 (W)
INV. EL.= 2.66 (E)

S-36B

STA. 94+66.70 @ 15.00' RT.
CONST. INLET TYPE D-1
W/ FRAME & GRATE U.S.F. 4700-6223
PER M-DPW STANDARD DETAILS SD-3.1
W/ 6" CONCRETE APRON
RIM EL.= 6.50
BOTTOM EL.= 0.75
INV. EL.= 2.75 (W)

SCALE: 1"=10' (VERT.)
1"=10' (HORI.)

(TBFV) = TO BE FIELD VERIFIED

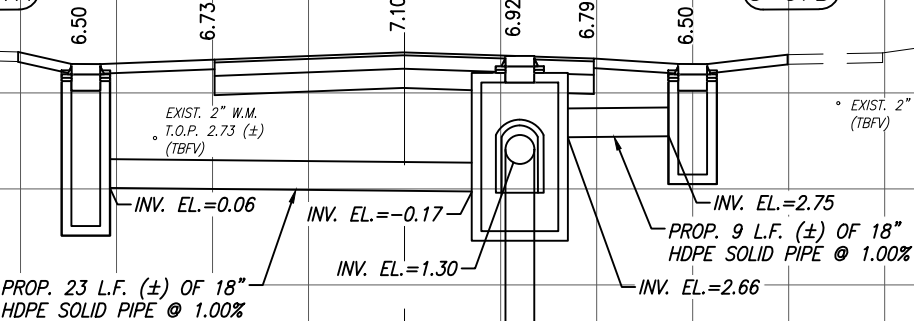
S-37A

STA. 95+65.00 @ 16.60' LT.
CONST. INLET TYPE D-1
W/ FRAME & GRATE U.S.F. 4700-6223
PER M-DPW STANDARD DETAILS SD-3.1
W/ 6" CONCRETE APRON
RIM EL.= 6.50
BOTTOM EL.= -1.94
INV. EL.= 0.06 (E)

S-37A

S-37

S-37B



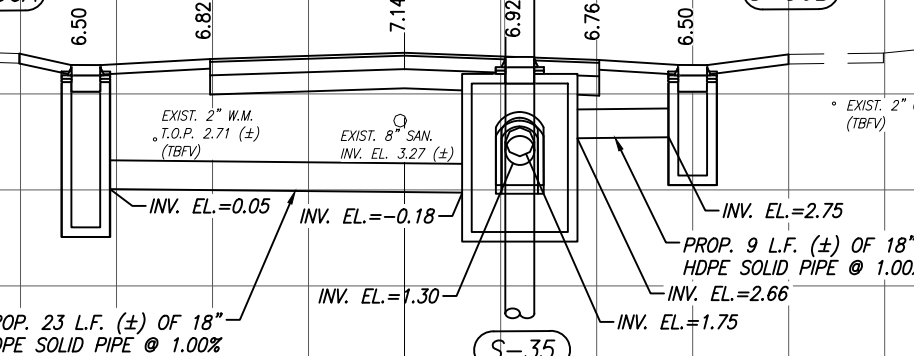
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STA. 94+66.70 @ 16.60' LT.
CONST. INLET TYPE D-1
W/ FRAME & GRATE U.S.F. 4700-6223
PER M-DPW STANDARD DETAILS SD-3.1
W/ 6" CONCRETE APRON
RIM EL.= 6.50
BOTTOM EL.= -1.95
INV. EL.= 0.05 (E)

S-36A

S-36

S-36B



REV.	DATE	BY:	DESCRIPTION
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DESIGNED BY:	O.B.
DRAWN BY:	O.B.
CHECKED BY:	J.C.F.
DATE:	9/25/2023

SEAL:



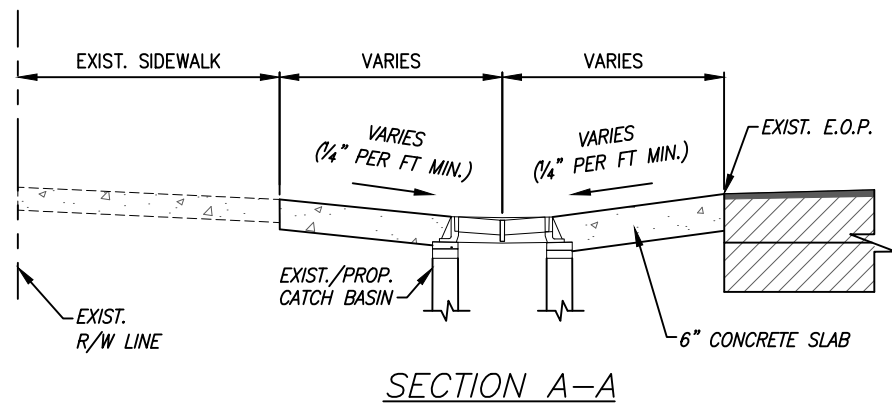
CUTLER BAY
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10720 CARIBBEAN
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CUTLER BAY, FL 33189
PHONE: (305) 234-4262
FAX: (305) 234-4251

CUTLER RIDGE PINES
ROADWAY AND DRAINAGE
IMPROVEMENTS

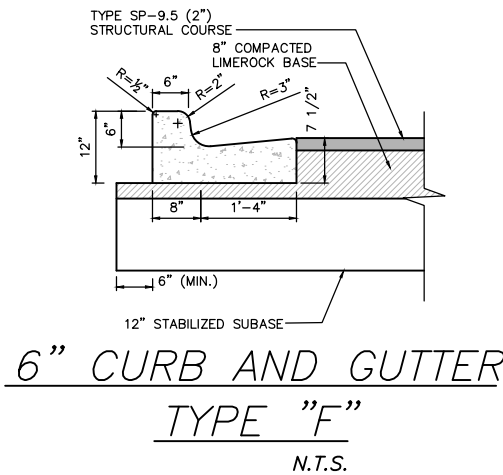
DRAINAGE STRUCTURES

SCALE:	AS SHOWN
PROJECT NO.:	2222
DWG. NO.:	SHEET:
	C-32

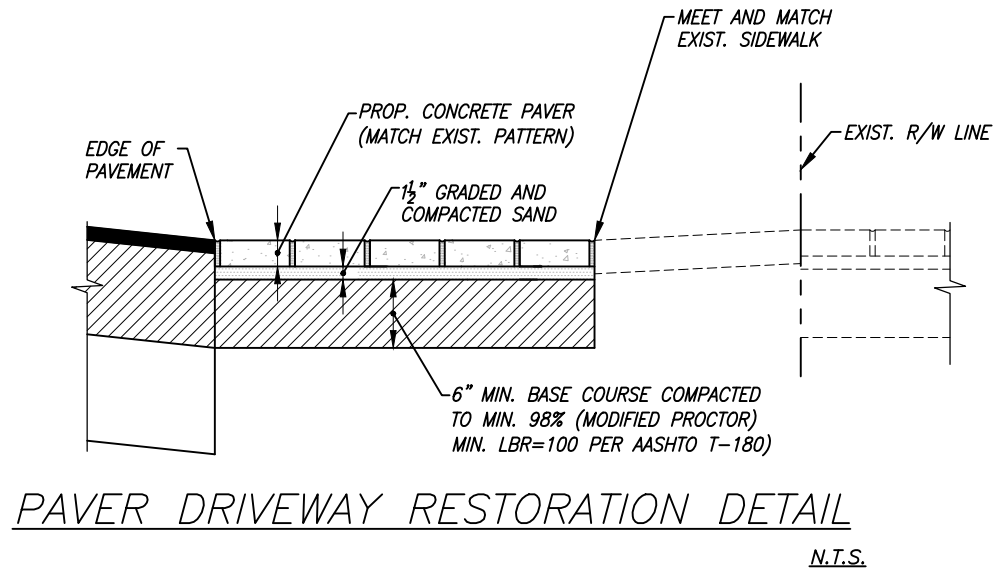
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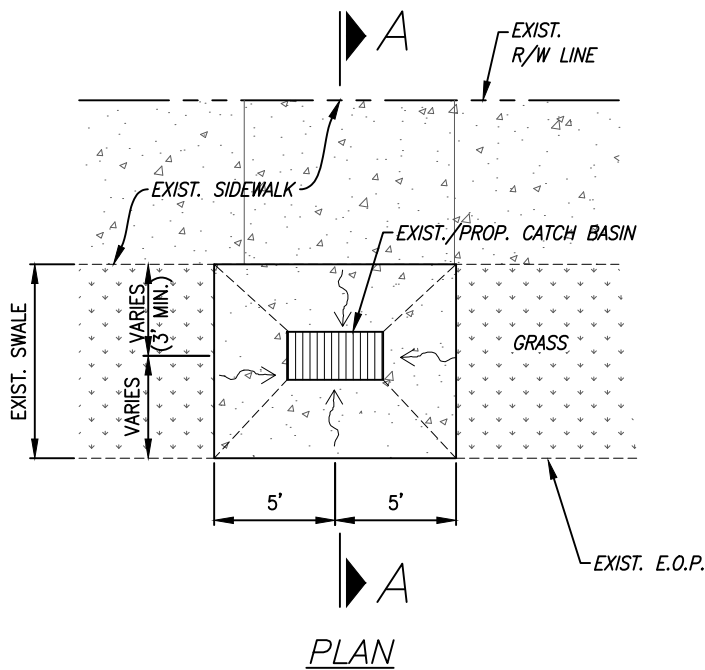
SECTION A-A



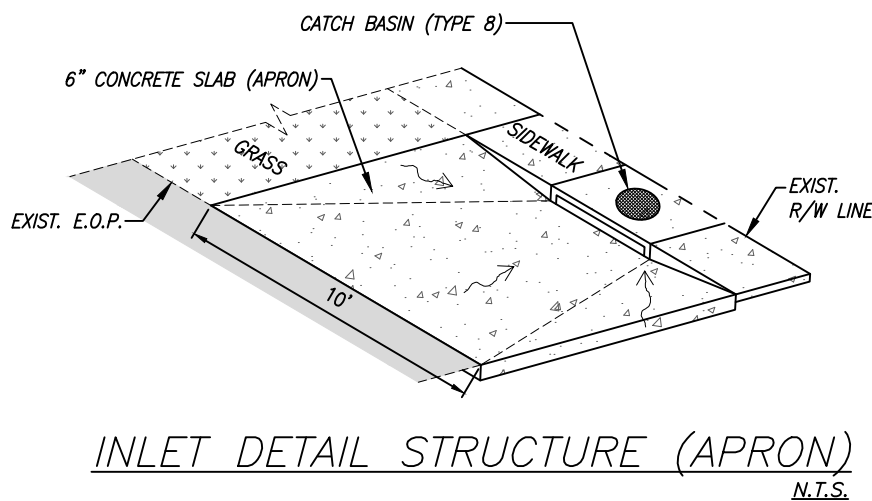
6" CURB AND GUTTER
TYPE "F"
N.T.S.



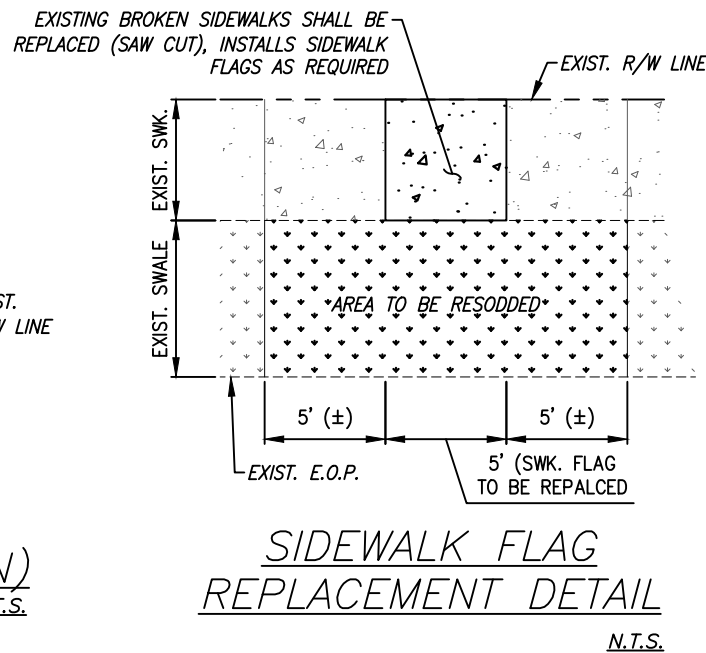
PAVER DRIVEWAY RESTORATION DETAIL
N.T.S.



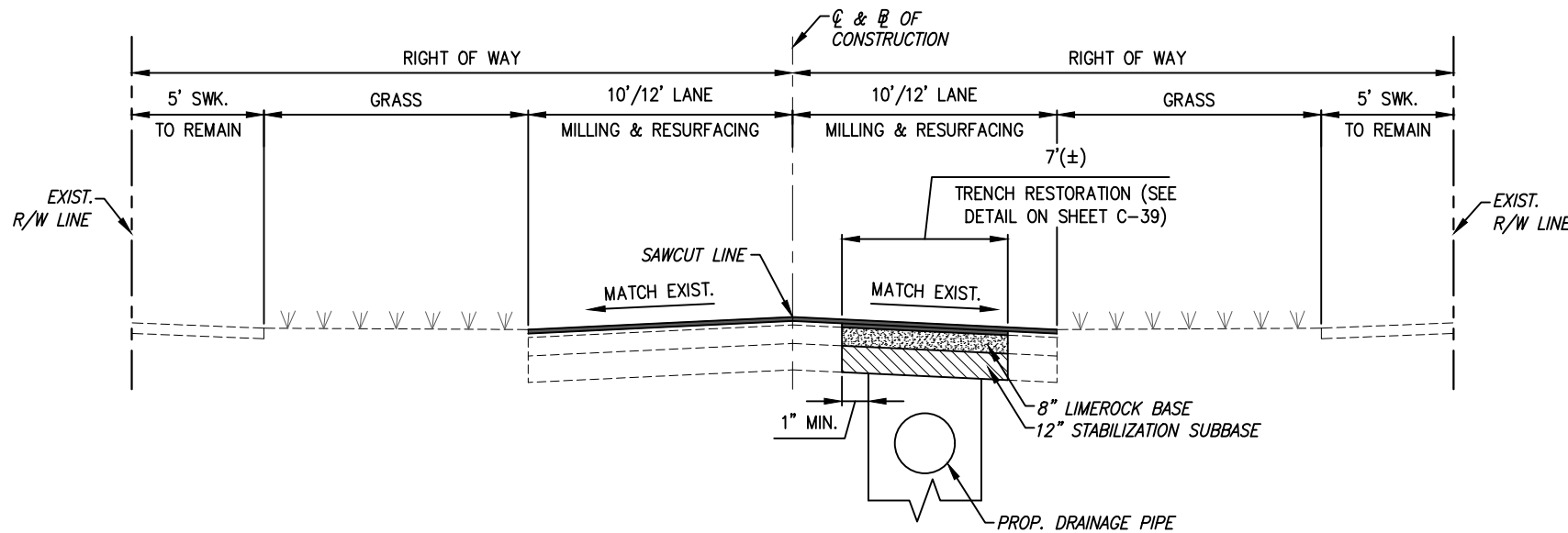
6" CONCRETE APRON DETAIL
N.T.S.



INLET DETAIL STRUCTURE (APRON)
N.T.S.



SIDEWALK FLAG
REPLACEMENT DETAIL
N.T.S.



TYPICAL SECTION
N.T.S.

MILLING AND RESURFACING
MILLING EXISTING ASPHALT PAVEMENT (1/2" AVERAGE)
RESURFACING WITH 1 LIFT (1") OF SP-9.5 ASPHALTIC
CONCRETE SURFACE COURSE (INSTALL W/ THE SECOND LIFT
OF THE PAVEMENT RESTORATION)

TRENCH RESTORATION (DRAINAGE)
12" STABILIZED SUBBASE, COMPACTED TO MIN. 98%, MIN.
LBR=40, PER AASHTO T-180

8" LIMEROCK BASE COURSE COMPACTED TO MIN. 98% (MODIFIED
PROCTOR) MIN. LBR=100 PER AASHTO T-180

2 LIFTS OF (1") SP-9.5 ASPHALTIC CONCRETE SURFACE COURSE

REV.	DATE	BY:	DESCRIPTION

DESIGNED BY: O.B.
DRAWN BY: O.B.
CHECKED BY: J.C.F.
DATE: 9/25/2023

SEAL:



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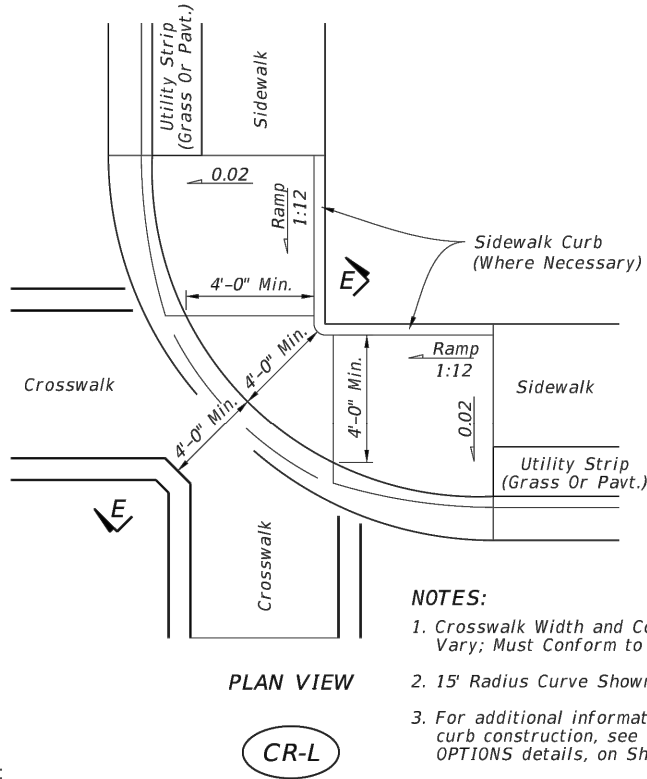
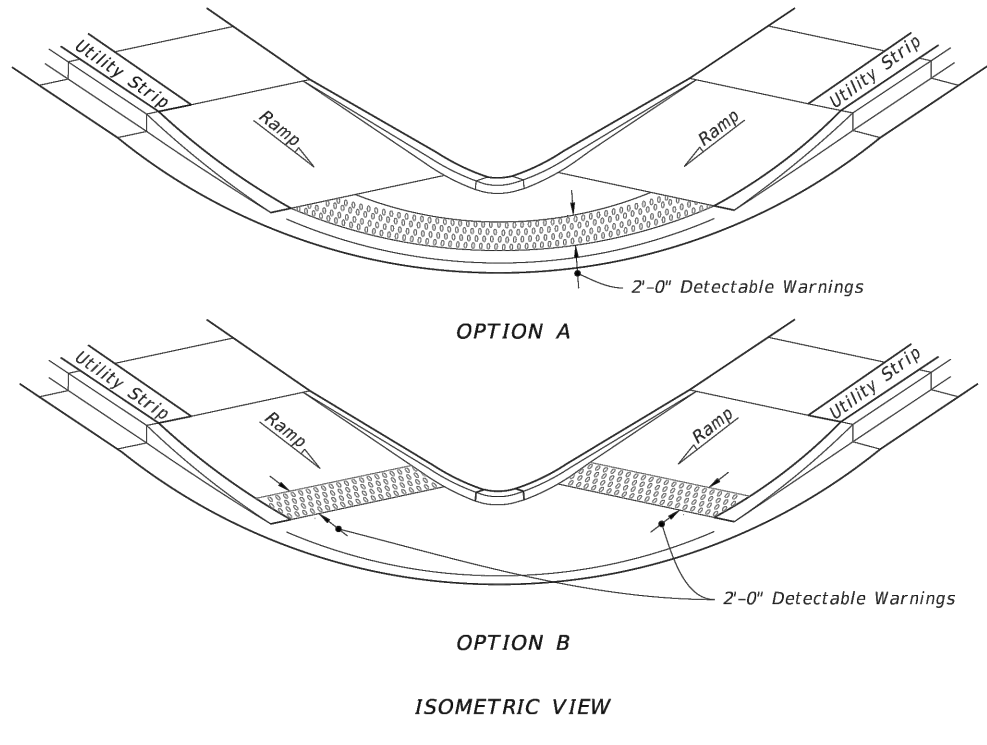
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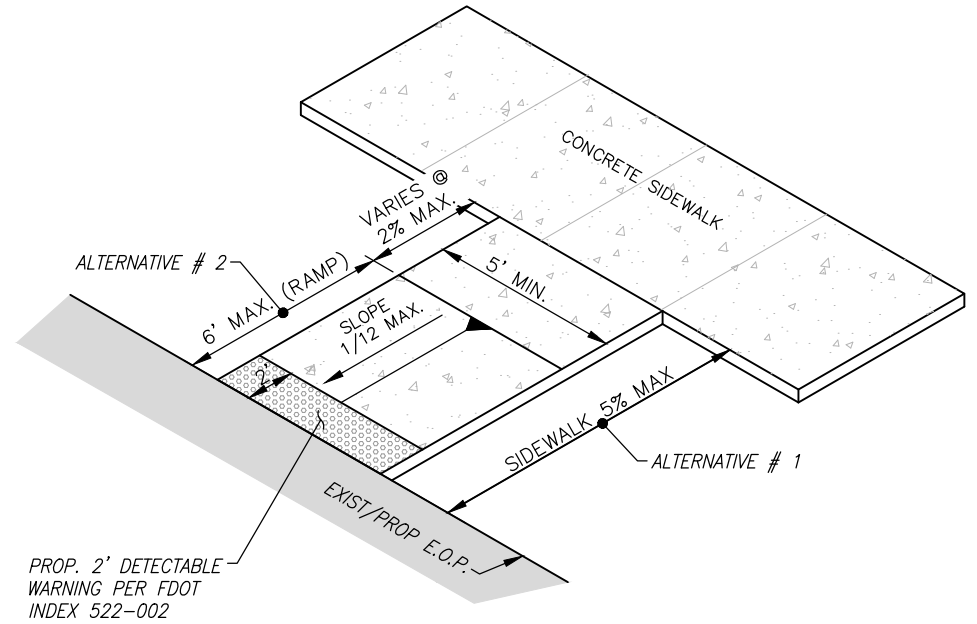
SCALE: AS SHOWN
PROJECT NO.: 2222
DWG. NO.:
SHEET: C-33

File: F:\Engineering\SRS Projects\2022\2222 - Cutler Ridge Pines\Design\2022 - PAGE_33_41_MISC_DETAILS.dwg - Plot Date: 4.8.2019



NOTES:

1. Crosswalk Width and Configuration Vary; Must Conform to Index 711-001.
2. 15' Radius Curve Shown for CR-L.
3. For additional information on sidewalk curb construction, see SIDEWALK CURB OPTIONS details, on Sheet 3.



ACCESSIBILITY FLUSH RAMP/SIDEWALK
N.T.S.

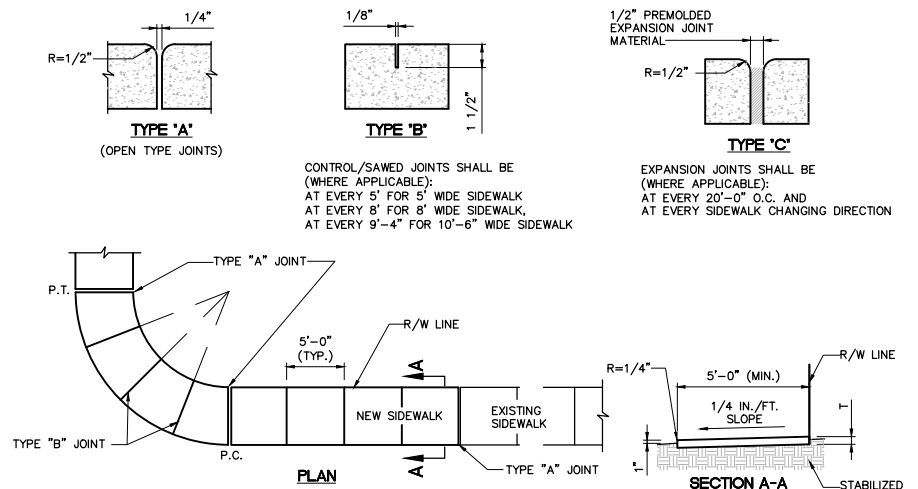
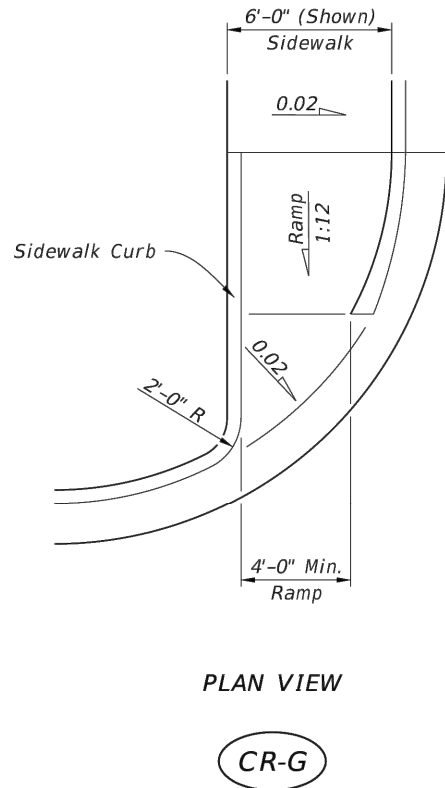
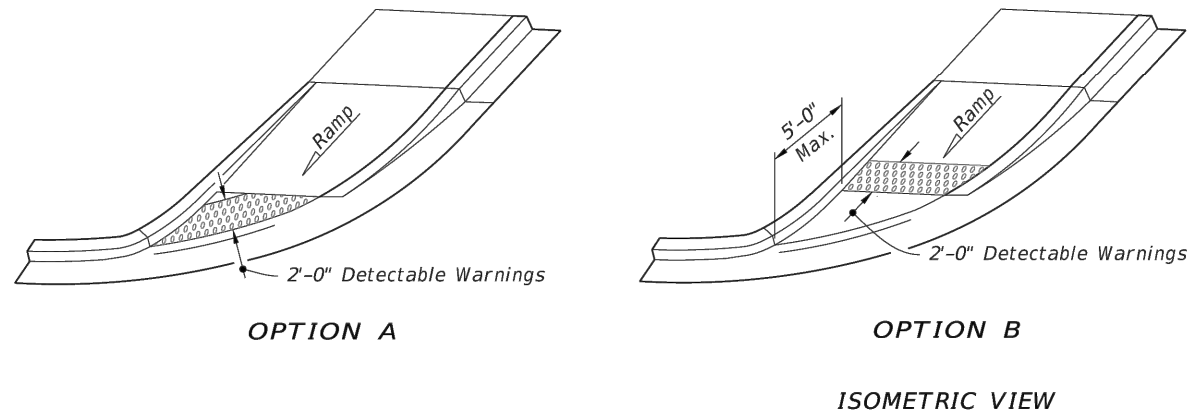


TABLE OF SIDEWALK JOINTS	
TYPE	LOCATION
'A'	P.C. AND P.T. OF CURVES. JUNCTION OF EXISTING AND NEW SIDEWALKS.
'B'	5'-0" CENTER TO CENTER ON SIDEWALKS
'C'	* WHERE SIDEWALK ABUTS CONCRETE CURBS, DRIVEWAYS AND SIMILAR STRUCTURES

*WITH 6"x6"-#10 GALVANIZED MESH

TABLE OF SIDEWALK THICKNESS "T"	
LOCATION	"T"
RESIDENTIAL AREAS	6"
AT DRIVEWAYS AND OTHER AREAS	6"

CONCRETE SIDEWALK
N.T.S.

REV.	DATE	BY:	DESCRIPTION

DESIGNED BY:	O.B.
DRAWN BY:	O.B.
CHECKED BY:	J.C.F.
DATE:	9/25/2023

SEAL:



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PHONE: (305) 234-4262
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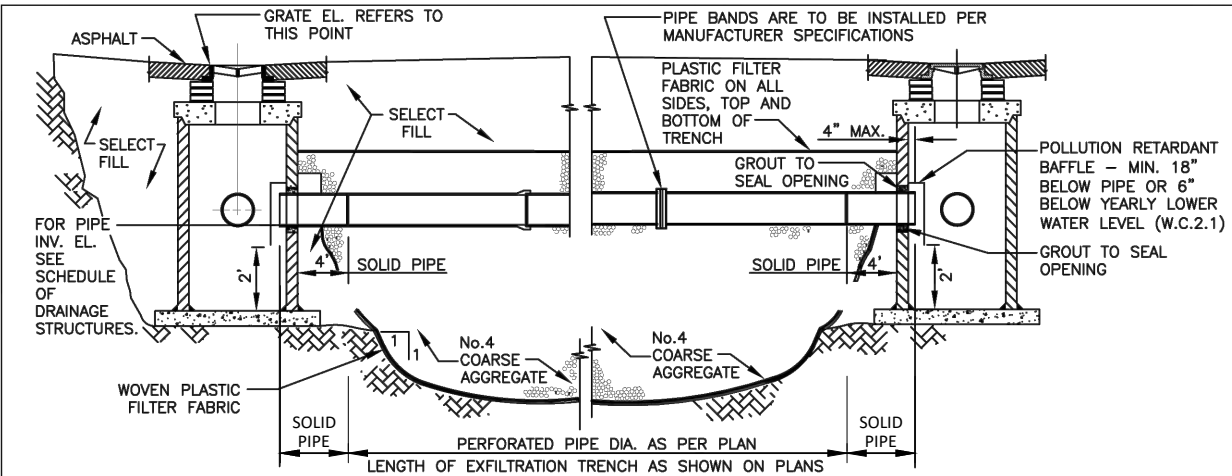
CUTLER RIDGE PINES
ROADWAY AND DRAINAGE
IMPROVEMENTS

MISCELLANEOUS DETAILS

SCALE:	AS SHOWN
PROJECT NO.:	2222
DWG. NO.:	SHEET:
	C-34

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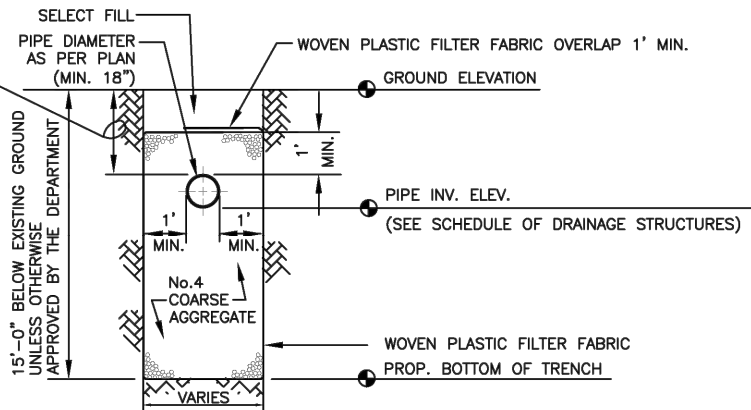
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NOTE

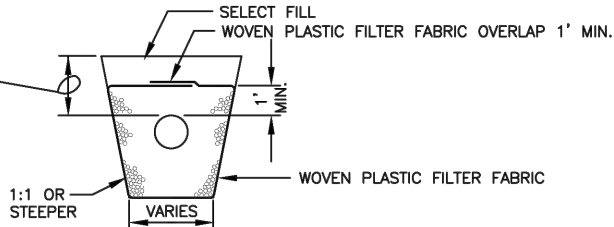
1-AFTER THE COARSE AGGREGATE HAS BEEN PLACED TO THE PROPER ELEVATION IT SHALL BE CAREFULLY WASHED DOWN WITH CLEAN WATER, OR TAMPERED, TO ALLOW FOR INITIAL SETTLEMENT THAT MAY OCCUR. IF SETTLEMENT DOES TAKE PLACE, ADDITIONAL No.4 COARSE AGGREGATE SHALL BE ADDED TO RESTORE THE PROPER ELEVATION SO THAT THE EXFILTRATION TRENCH IS COMPLETED IN ACCORDANCE WITH THE DETAILS.

2'-0" MINIMUM NON-ROADWAY SURFACE
3'-0" FOR TRENCHES UNDER ROADWAY



TRANSVERSE SECTION

2'-0" MINIMUM NON-ROADWAY SURFACE
3'-0" FOR TRENCHES UNDER ROADWAY



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 "J" S.D. 2.6 STRUCTURE IS RECOMMENDED FOR AREAS LARGER THAN 0.2 ACRE.
7. ALL INVERTS OF PERFORATED PIPES TO BE AT MEAN HIGH OCTOBER WATER TABLE 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
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REV.	DATE	BY:	DESCRIPTION

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DRAWN BY: O.B.	
CHECKED BY: J.C.F.	
DATE: 9/25/2023	



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CUTLER RIDGE PINES
ROADWAY AND DRAINAGE
IMPROVEMENTS

MISCELLANEOUS DETAILS

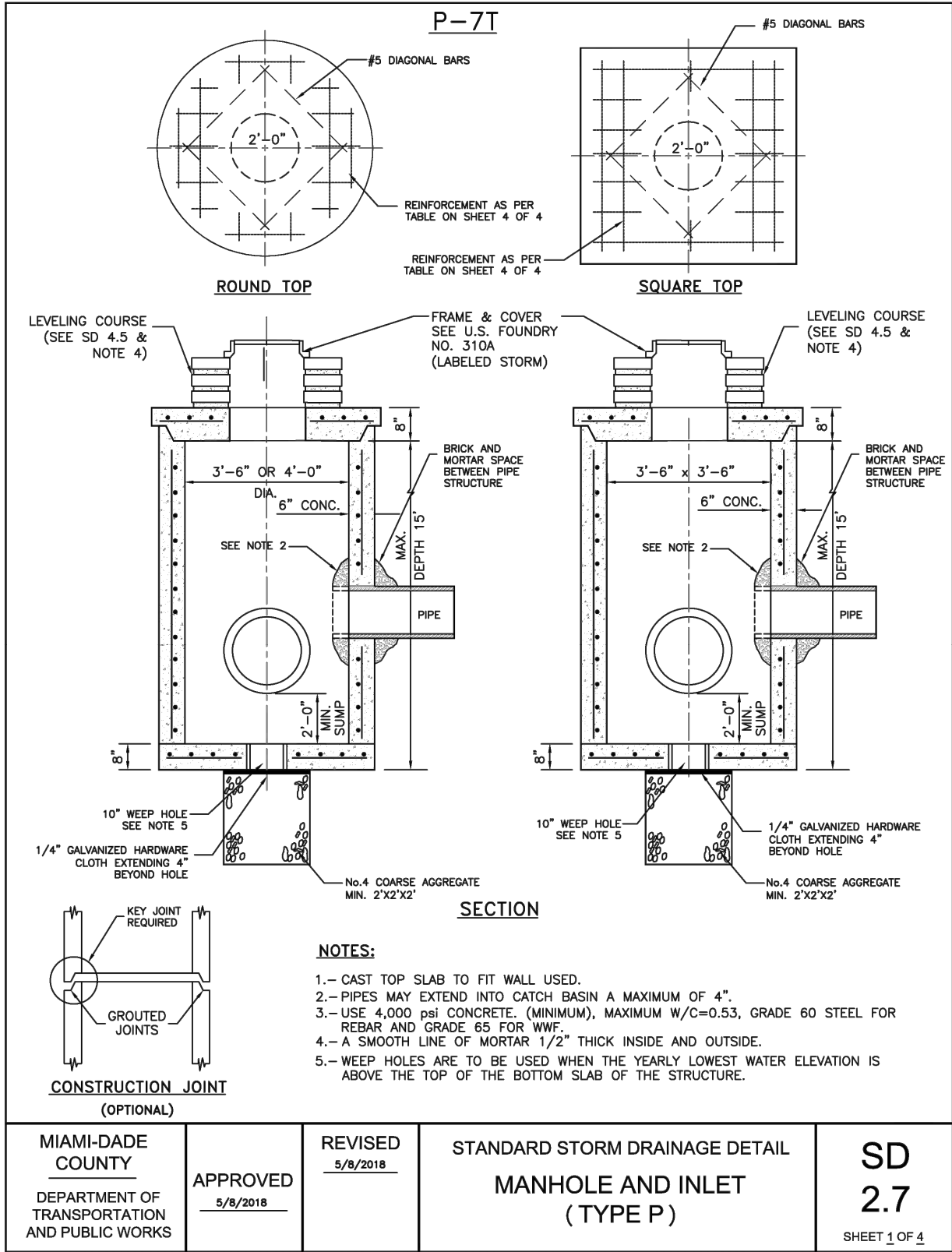
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POLLUTION CONTROL STRUCTURE										
Standard Detail	Width (ft)	Length (ft)	Height (ft)	Wall Thickness (in)	Wall Steel	Top Slab Thickness (in)	Top Slab Steel	Bottom Slab Thickness (in)	Bottom Slab Steel	Bottom Slab Overhang (in)
5.2-3C	8.0	14.0	0.0 - 5.0	10.0	#5@9.5"H #4@10"V	10.0	#6@6" E.W.	10.0	#4@8" E.W.	12.0
5.2-3C	8.0	14.0	5.1 - 10.0	10.0	#7@9"H #4@10"V	10.0	#6@6" E.W.	10.0	#4@8" E.W.	12.0
5.2-3C	8.0	14.0	10.1 - 15.0	10.0	#8@8"H #4@10"V	10.0	#6@6" E.W.	10.0	#4@8" E.W.	12.0
5.2-2C	8.0	9.0	0.0 - 5.0	8.0	#5@9.5"H #4@10"V	10.0	#6@6" E.W.	10.0	#4@8" E.W.	12.0
5.2-2C	8.0	9.0	5.1 - 10.0	8.0	#7@9"H #4@10"V	10.0	#6@6" E.W.	10.0	#4@8" E.W.	12.0
5.2-2C	8.0	9.0	10.1-15.0	8.0	#8@8"H #4@10"V	10.0	#6@6" E.W.	10.0	#4@8" E.W.	12.0

5.2-3C - POLLUTION CONTROL STRUCTURE 3 CHAMBER

5.2-2C - POLLUTION CONTROL STRUCTURE 2 CHAMBER

MIAMI-DADE COUNTY	APPROVED 5/8/2018	REVISD 5/8/2018	STANDARD STORM DRAINAGE DETAIL	SD 5.2
DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS			POLLUTION CONTROL STRUCTURE	SHEET 4 OF 4

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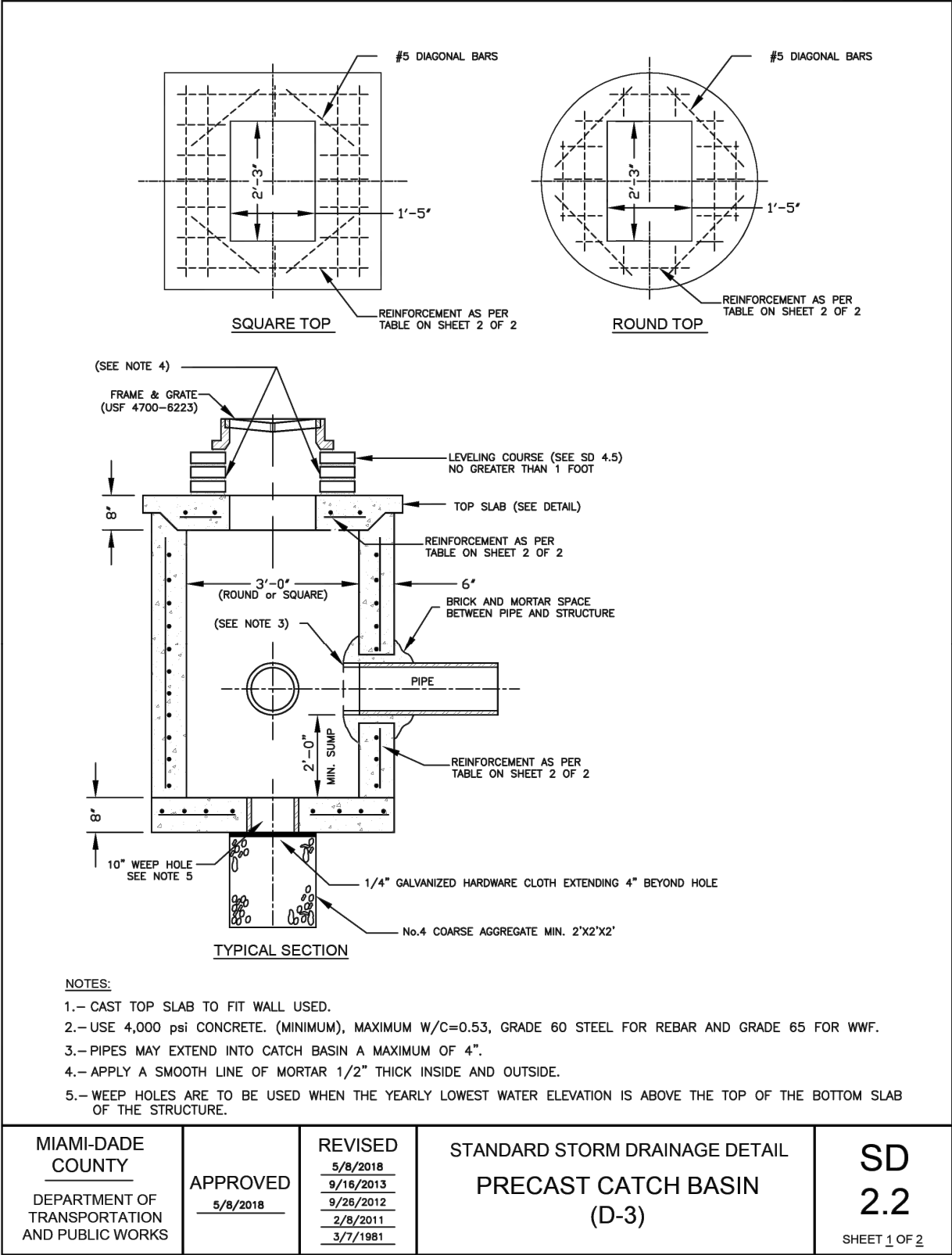
**CUTLER RIDGE PINES
ROADWAY AND DRAINAGE
IMPROVEMENTS**

MISCELLANEOUS DETAILS

SCALE:	AS SHOWN
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POLLUTION CONTROL 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	Bottom Slab Overhang (in)
5.2-3C	8.0	14.0	0.0 - 5.0	10.0	#5@9.5"H #4@10"V	10.0	#6@6" E.W.	10.0	#4@8" E.W.	12.0
5.2-3C	8.0	14.0	5.1 - 10.0	10.0	#7@9"H #4@10"V	10.0	#6@6" E.W.	10.0	#4@8" E.W.	12.0
5.2-3C	8.0	14.0	10.1 - 15.0	10.0	#8@8"H #4@10"V	10.0	#6@6" E.W.	10.0	#4@8" E.W.	12.0
5.2-2C	8.0	9.0	0.0 - 5.0	8.0	#5@9.5"H #4@10"V	10.0	#6@6" E.W.	10.0	#4@8" E.W.	12.0
5.2-2C	8.0	9.0	5.1 - 10.0	8.0	#7@9"H #4@10"V	10.0	#6@6" E.W.	10.0	#4@8" E.W.	12.0
5.2-2C	8.0	9.0	10.1-15.0	8.0	#8@8"H #4@10"V	10.0	#6@6" E.W.	10.0	#4@8" E.W.	12.0

5.2-3C - POLLUTION CONTROL STRUCTURE 3 CHAMBER
5.2-2C - POLLUTION CONTROL STRUCTURE 2 CHAMBER

MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS	APPROVED 5/8/2018	REVISED 5/8/2018 	STANDARD STORM DRAINAGE DETAIL POLLUTION CONTROL STRUCTURE	SD 5.2 SHEET 4 OF 4
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CUTLER RIDGE PINES ROADWAY AND DRAINAGE IMPROVEMENTS

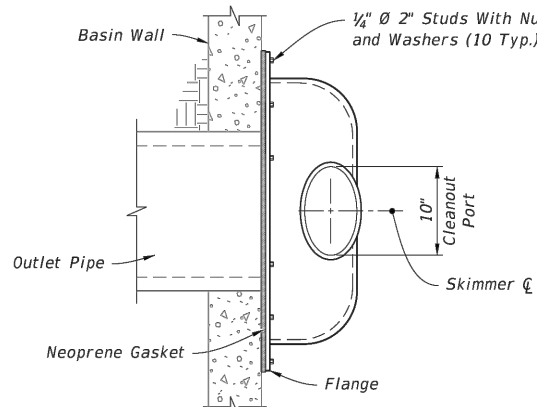
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SCALE:
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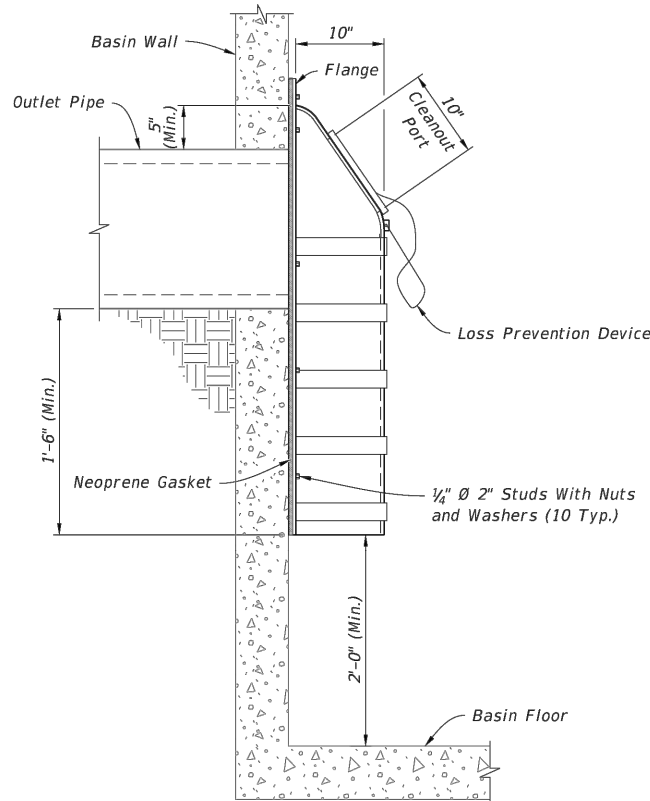
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2222

DWG. NO.:
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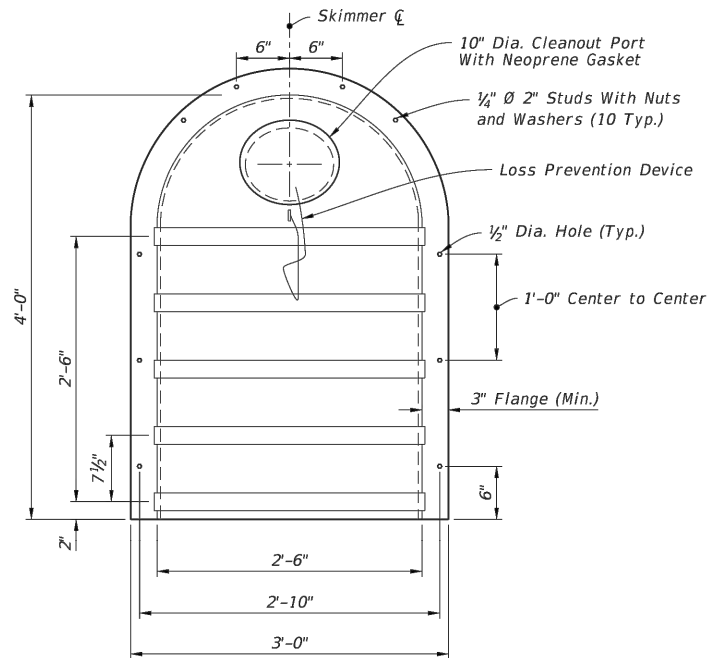
PLAN



SIDE ELEVATION

NOTE:

1. Install a gasket for the cleanout with either a threaded screw-in lid or a lid secured by four stainless steel quick-release latches.

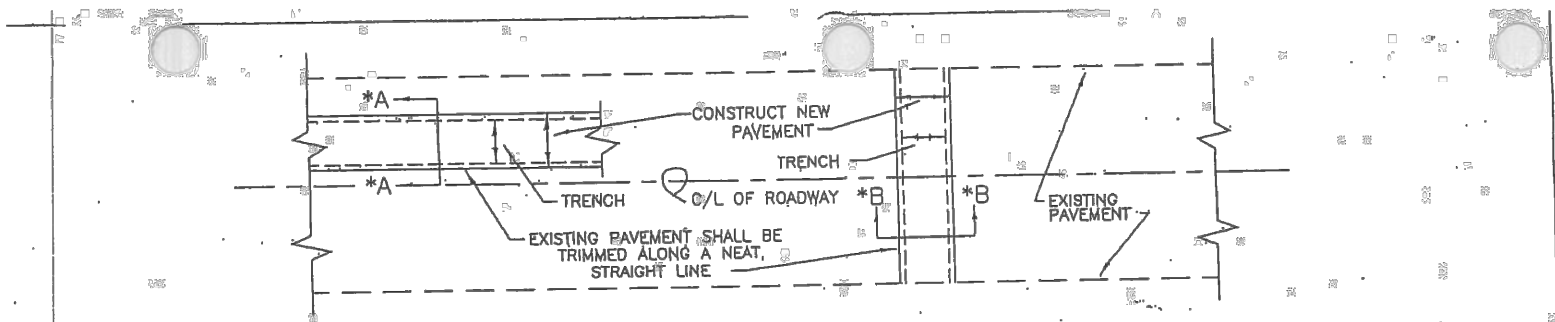


FRONT ELEVATION

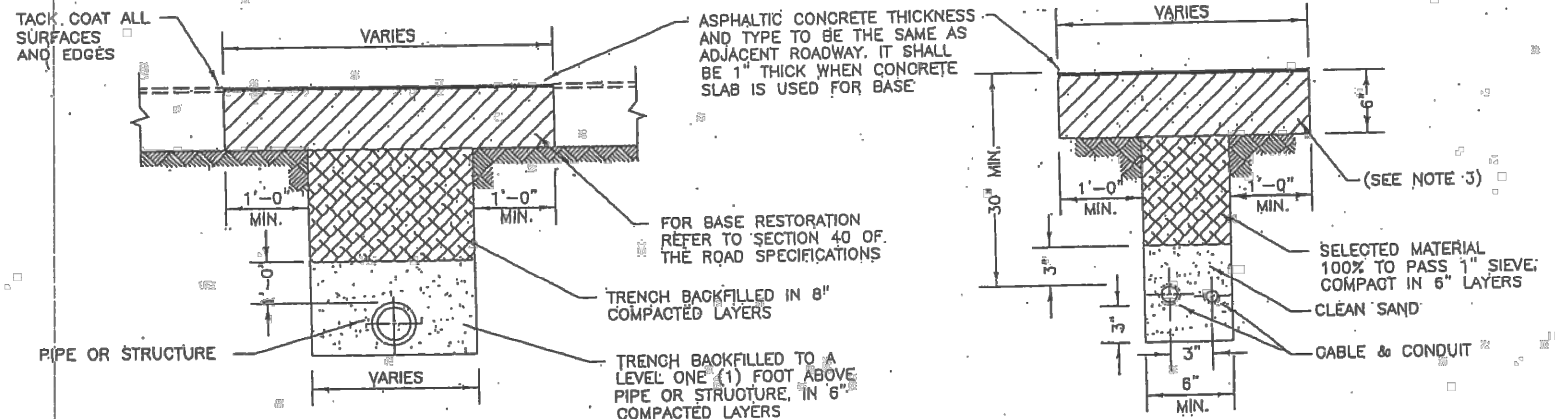
TYPE II DETAILS

BAFFLE DETAIL (FDOT INDEX 443-002)

N.T.S.



PLAN



SECTION A-A & B-B

NOTES:

- 1.- PAVEMENT RESTORATION FOR LONGITUDINAL CUTS SHALL INCLUDE FULL LANE WIDTH RESURFACING FOR EACH LANE WITHIN WHICH THE CUT EXTENDS.
- 2.- IN SOME CASES IT WILL BE NECESSARY TO OVERLAY MORE THAN ONE (1) LANE WITH ASPHALTIC CONCRETE TO SATISFY PAVEMENT SLOPE.
- 3.- CONTRACTOR MAY ELECT TO BACKFILL WITH 1:10 SAND-CEMENT MIX.

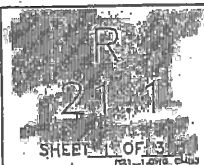
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LITY PLACEMENT	G-21	
PHALIC CONCRETE		SEC 133
SE COURSE		SEC 51
ITEM	CROSS REF.	SPEC. REF.

METROPOLITAN
DADE COUNTY
PUBLIC WORKS
DEPARTMENT

APPROVED
6/8/61

REVISED
5/17/72
7/14/80
6/4/86

STANDARD ROAD DETAIL
PAVEMENT RESTORATION FOR
TRENCHES CUT IN PUBLIC
RIGHTS-OF-WAY



PAVEMENT RESTORATION FOR TRENCHES CUT IN
PUBLIC R/W (R-21.1 M-DPW STANDARD DETAILS)


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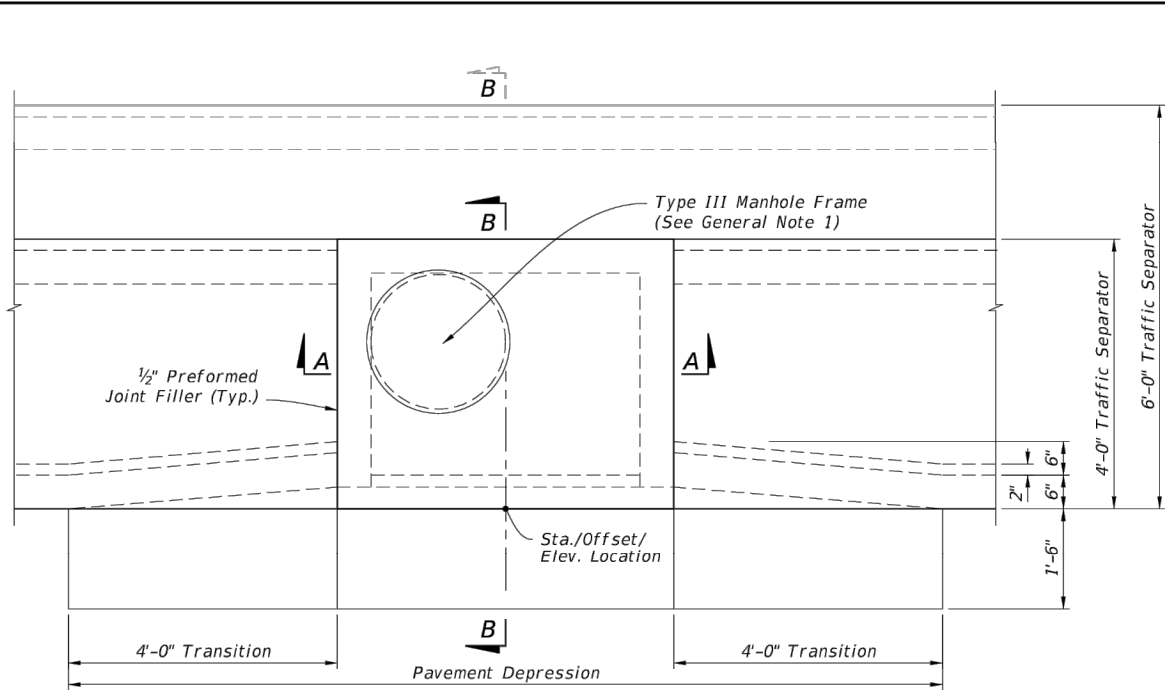
CUTLER RIDGE PINES
ROADWAY AND DRAINAGE
IMPROVEMENTS

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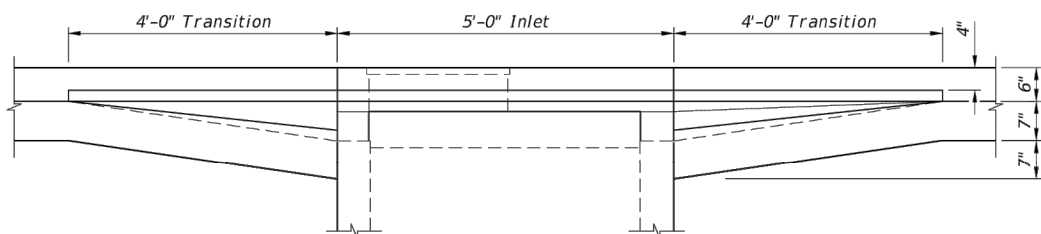
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DWG. NO.:
SHEET: C-39

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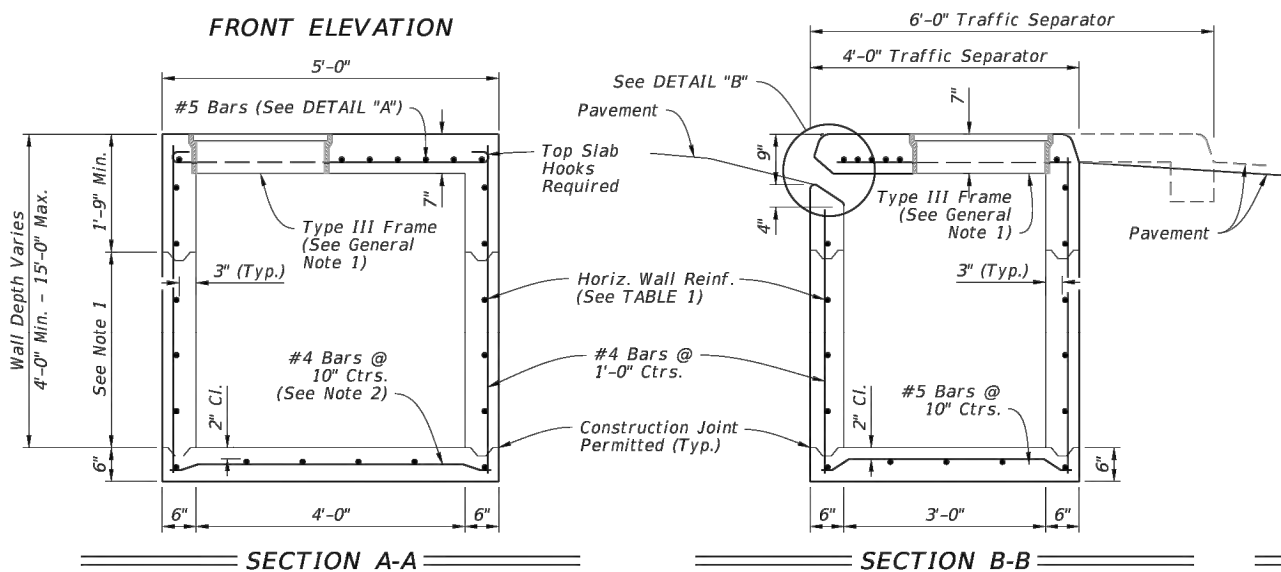
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PLAN

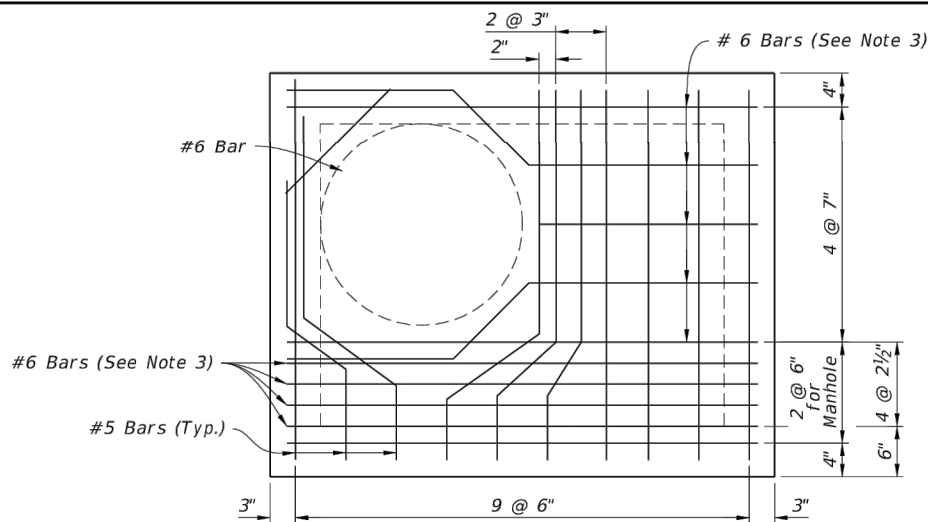


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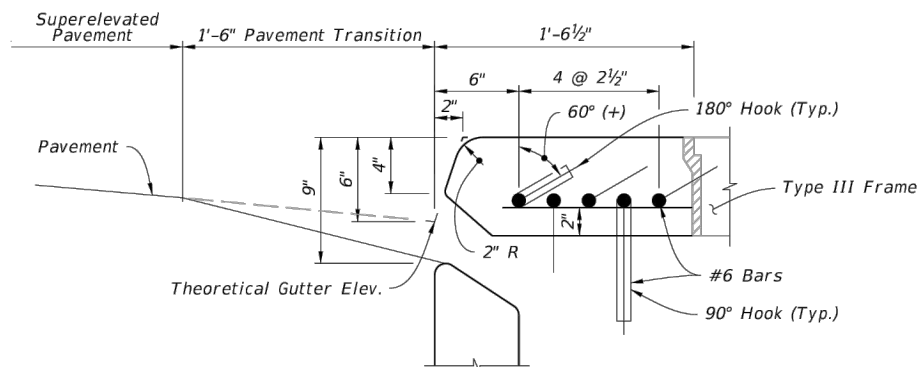


SECTION A-A

SECTION B-B



DETAIL "A"



DETAIL "B"

NOTES:

1. Construction joints permitted between these limits. See Index 425-001 for minimum dimensions.
2. For bottom slab rebar embedment options, see optional construction joints, Index 425-001.
3. ACI standard hooks required each end of straight bars and right end of bent bars: 180° hooks, canted 60°(+), on odd bars; 90° hooks, down, on even bars numbered from throat side.

TABLE 1 - HORIZONTAL WALL REINFORCING SCHEDULE				
WALL DEPTH	SCHEDULE	AREA (in. ² /ft.)	MAX. SPACING	
			BARS	WWR
0' - 6'	A12	0.20	12"	8"
6' - 10'	A6	0.20	6"	5"
10' - 13'	A4	0.20	4"	3"
10' - 15'	B5.5	0.24	5 1/2"	5"

DIMENSIONAL AND REINFORCING DETAILS

LAST
REVISION
10/01/20

DESCRIPTION:



FY 2023-24
STANDARD PLANS

CURB INLET TYPE 8

INDEX
425-023

SHEET
2 of 2

REV.	DATE	BY:	DESCRIPTION

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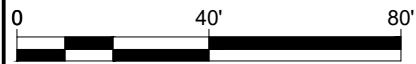
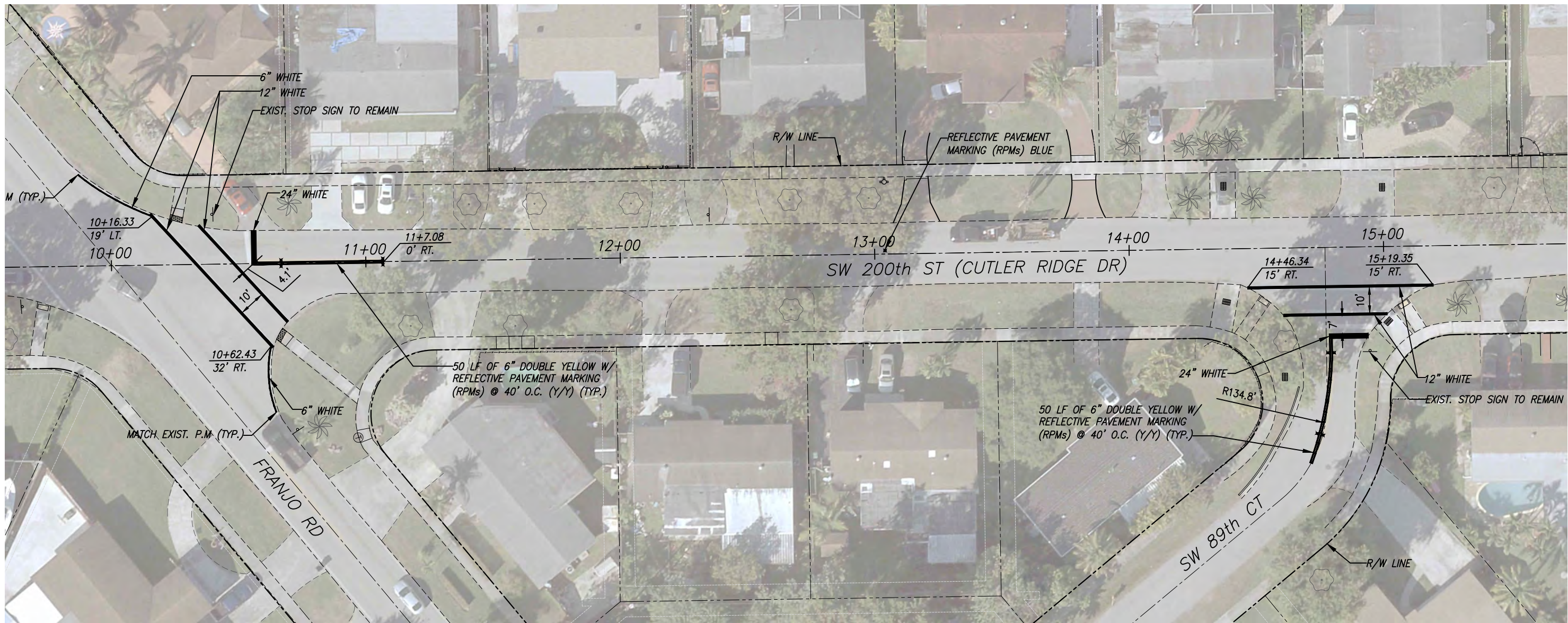
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CUTLER RIDGE PINES
ROADWAY AND DRAINAGE
IMPROVEMENTS

MISCELLANEOUS DETAILS

SCALE: AS SHOWN	PROJECT NO.: 2222
DWG. NO.: C-40	SHEET: C-40

				DESIGNED BY: O.B.	SEAL:	 <p>5001 Southwest 74th Court, Suite 201 Miami, Florida 33155-4453 TEL. 305-662-8887, FAX 305-662-8858 WWW.SRS-CORP.COM</p>	 <p>CUTLER BAY TOWN HALL</p> <p>10720 CARIBBEAN BOULEVARD</p> <p>CUTLER BAY, FL 33189 PHONE: (305) 234-4262 FAX: (305) 234-4251</p>	CUTLER RIDGE PINES ROADWAY AND DRAINAGE IMPROVEMENTS	MISCELLANEOUS DETAILS	SCALE: AS SHOWN
			DRAWN BY: O.B.	PROJECT NO.: 2222						
			CHECKED BY: J.C.F.	DWG. NO.:						SHEET:
REV.	DATE	BY:	DESCRIPTION	DATE: 9/25/2023						C-41



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CUTLER RIDGE PINES ROADWAY AND DRAINAGE IMPROVEMENTS

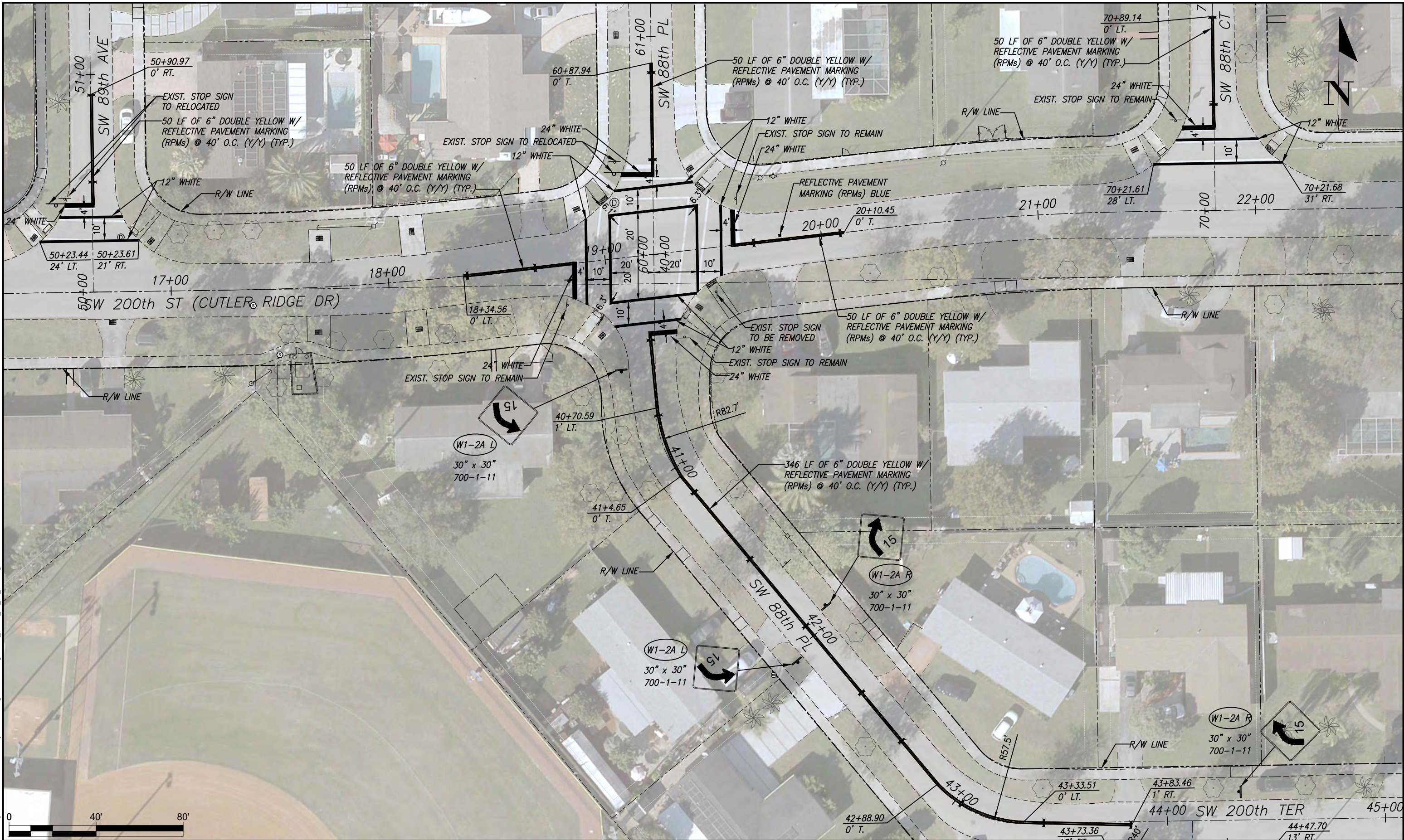
PAVEMENT MARKING AND SIGNAGE PLANS

SCALE: AS SHOWN	PROJECT NO.: 2222
DWG. NO.:	SHEET: C-42

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Cutler Bay
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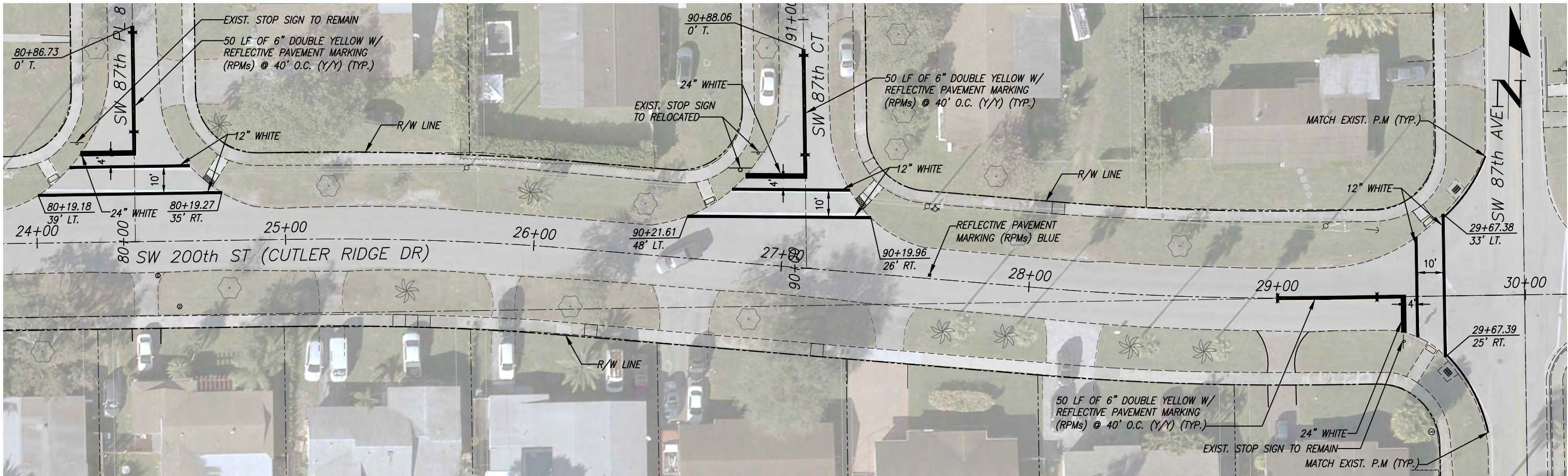
CUTLER RIDGE PINES ROADWAY AND DRAINAGE IMPROVEMENTS

PAVEMENT MARKING
AND SIGNAGE PLANS

SCALE:	AS SHOWN
PROJECT NO.:	2222
DWG. NO.:	SHEET:
	C-43

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Filename: F:\Engineering\SRS Projects\2022\2222 - Cutler Bay - Cutler Ridge Pines\Design\2222 - PAGE 42_46_P.M.dwg - Plot Date: 4.8.2019



REV.	DATE	BY:	DESCRIPTION

DESIGNED BY:	O.B.
DRAWN BY:	O.B.
CHECKED BY:	J.C.F.
DATE:	9/25/2023

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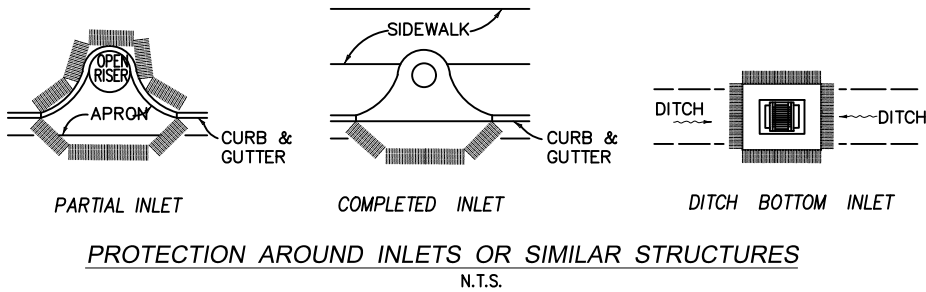


SCALE: AS SHOWN	
PROJECT NO.: 2222	
DWG. NO.:	SHEET: C-46

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NOTES FOR SYNTHETIC BALES OR BALE TYPE BARRIERS

1. TYPE I AND II SYNTHETIC BARRIER SHOULD BE SPACED IN ACCORDANCE WITH CHART 1, SHEET 1 PER INDEX 102.
2. BALES SHALL BE ANCHORED WITH 2-1" X 2" (OR 1" DIA.) X 4' WOOD STAKES. STAKES OF OTHER MATERIAL OR SHAPE PROVIDING EQUIVALENT STRENGTH MAY BE USED IF APPROVED BY THE ENGINEER. STAKES OTHER THAN WOOD SHALL BE REMOVED UPON COMPLETION OF THE PROJECT.
3. RAILS AND POSTS SHALL BE 2" X 4" WOOD. OTHER MATERIALS PROVIDING EQUIVALENT STRENGTH MAY BE USED IF APPROVED BY THE ENGINEER.
4. ADJACENT BALES SHALL BE BUTTED FIRMLY TOGETHER.
5. WHERE USED IN CONJUNCTION WITH SILT FENCE, BALES SHALL BE PLACED ON THE UPSTREAM SIDE OF THE FENCE.



STORM WATER POLLUTION PREVENTION PRACTICES:

1. TREE PROTECTION AND PRUNING SHALL BE ACCOMPLISHED AS DETAILED IN SPECIAL PROVISIONS, THE CONSTRUCTION PLANS, AND OR PER TREE ORDINANCE 12636.
2. THE STORM WATER POLLUTION PREVENTION PLAN, SWPPP, SUBMITTED TO PUBLIC WORKS, SHALL DESCRIBE IN DETAIL HOW THE CONSTRUCTION EFFORT WILL BE PHASED WITH REGARDS TO MINIMIZING EROSION PROBLEMS BY THE USE OF TEMPORARY AND PERMANENT EROSION CONTROL MEASURES, FOR THE VARIOUS SEQUENCES OF CONSTRUCTION OPERATIONS. ANY MODIFICATIONS MUST BE APPROVED BY THE TOWN OF CUTLER BAY – NPDES SECTION, DEPARTMENT OF PUBLIC WORKS.
3. ENVIRONMENTAL CONTROL FEATURES AS PROVIDED IN THE SWPPP, ARE TO BE INSTALLED AT ALL AREAS OF EXCAVATION OR FILL FOR DRAINAGE SYSTEM, OR STRUCTURE CONSTRUCTION PRIOR TO SUCH EXCAVATION OR FILL. INLET ENTRANCES ARE ALSO TO BE PROTECTED FROM SILTATION
4. ALL ENVIRONMENTAL CONTROL FEATURES ARE TO BE MAINTAINED THROUGHOUT THE LIFE OF THE PROJECT IN ACCORDANCE WITH N.P.D.E.S. REQUIREMENTS. THE CONTRACTOR MUST INSURE THAT ALL EROSION CONTROL FEATURES FUNCTION PROPERLY AT ALL TIMES.
5. ALL EROSION AND MATERIAL DEPOSITS MUST BE CONTAINED WITHIN THE PROJECT LIMITS.
6. ANY DAMAGED OR INEFFECTIVE ROCK BAGS ARE TO BE REPLACED WITH NEW ONES. THE LOCATION OF ROCK BAGS INSTALLATION IS AS MENTIONED IN THE SWPPP PLANS. THE PROJECT ENGINEER MAY SPECIFY OTHER AREAS AS NECESSARY.
7. DITCH BOTTOM INLETS SHALL BE PROTECTED FROM SEDIMENT INTAKE UNTIL PROJECT IS COMPLETE. ELEVATION OF GROUND OUTSIDE INLET TOP SHALL NOT BE HIGHER THAN INLET TOP. ROCK BAGS SHALL BE INSTALLED AROUND INLET TOP. COMPLETED INLETS IN PAVED AREAS SHALL ALSO BE PROTECTED WITH ROCK BAGS TO PREVENT SEDIMENT INTAKE.
8. CURB INLETS ALSO SHALL BE PROTECTED FROM SEDIMENT INTAKE UNTIL THE PROJECT IS COMPLETE. ALL EXPOSED SLOPED MATERIAL ADJACENT TO INLET, SHALL BE COVERED WITH EROSION CONTROL MATTING WITH OUTER LIMITS PROTECTED BY ROCK BAGS.
9. STOCKPILED MATERIAL SHALL NOT BE LEFT IN EROSION PRONE AREAS UNLESS PROTECTED BY COVER OR ROCK BAGS.
10. INSPECTION OF EROSION CONTROL MEASURES AND CONDITION OF ADJACENT PROPERTIES, SHALL BE PERFORMED DAILY BY THE CONTRACTOR'S REPRESENTATIVE AND THE PROJECT ENGINEER. DEFICIENCIES SHALL BE NOTED AND CORRECTED.
11. ANY OFFSITE SEDIMENT DISCHARGE TO A MUNICIPAL SEPARATE STORM WATER SYSTEM ARISING FROM THE CONTRACTOR'S ACTIVITIES IS NOT ALLOWED.
12. THE USE OF SANITARY SEWERS, FRENCH DRAINS, COVER DITCHES AND/OR ROCK DRAINS FOR THE DISPOSAL OF WASTEWATER IS EXPRESSLY PROHIBITED.

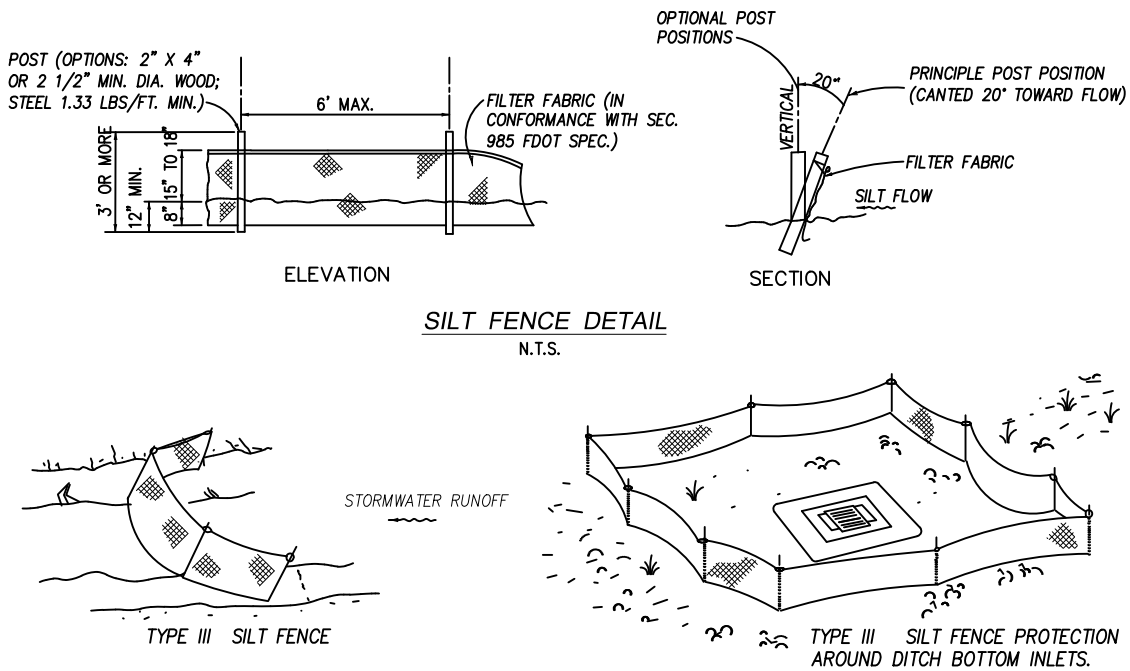
STORM WATER POLLUTION PREVENTION PLAN (SWPPP) CHECKLIST

A. SEQUENCE OF SOIL DISTURBING ACTIVITIES AND IMPLEMENTATION OF CONTROLS:

1. CLEAR & GRUBBING
2. INSTALL DRAINAGE STRUCTURES
3. STABILIZATION
4. BASE PREPARATION
5. ASPHALT APPLICATION
6. PLACEMENT OF ROCK BAGS AROUND INLETS
7. PLACEMENT OF ROCK BAGS AROUND MANHOLES
8. APPLICATION OF FRICTION COURSE A.C.
9. INSTALLATION OF STREET SIGNING
10. PAVEMENT MARKING
11. REMOVE ROCK BAGS
12. CLEAN ALL CONSTRUCTION DEBRIS FROM CONSTRUCTION SITE

B. GENERAL

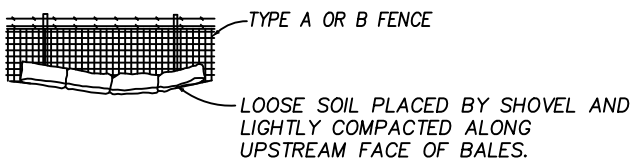
1. APPROVED STATE, LOCAL PLANS OR STORM WATER PERMITS.
2. ALL OF THE CONTROLS SHALL BE MAINTAINED AT ALL TIMES.
3. ALL CONTROLS SHALL BE INSPECTED DAILY.
4. APPLY FERTILIZERS AND PESTICIDES ACCORDING TO STANDARD SPECIFICATIONS, DESIGN AND SPECIAL PROVISIONS.
5. REPORT NON-STORM WATER DISCHARGE (INCLUDING SPILL) 305) 416-1200.
6. VISIT WWW.DEP.STATE.FL.US/WATER/STORMWATER/NPDES/



NOTES:

1. SPACING FOR TYPE III FENCE TO BE IN ACCORDANCE WITH CHART I, SHEET 1 OF 3 AND DITCH INSTALLATIONS AT DRAINAGE STRUCTURES SHEET 2 OF 3 PER FDOT STANDARD INDEX 102.
2. DO NOT DEPLOY IN A MANNER THAT SILT FENCES WILL ACT AS A DAM ACROSS PERMANENT FLOWING WATERCOURSES. SILT FENCES ARE TO BE USED AT UPLAND LOCATIONS AND TURBIDITY BARRIERS USED AT PERMANENT BODIES OF WATER.

SILT FENCE APPLICATIONS N.T.S.



BALES BACKED BY FENCE N.T.S.

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CUTLER RIDGE PINES
ROADWAY AND DRAINAGE
IMPROVEMENTS

STORMWATER POLLUTION
PREVENTION PLAN
NOTES & DETAILS

SCALE: AS SHOWN	PROJECT NO.: 2222
DWG. NO.:	SHEET: C-47

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