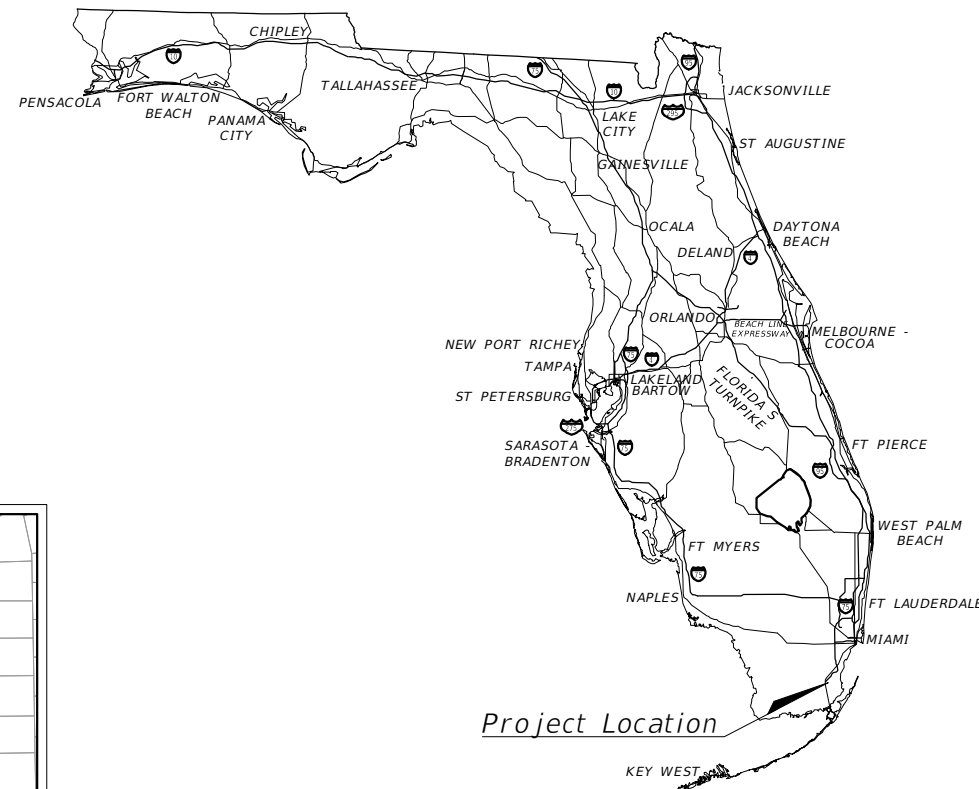




TOWN OF CUTLER BAY

TRAFFIC CIRCLE AT SW 200th STREET AND SW 103rd AVENUE FDOT FM: 451659-1-58-01

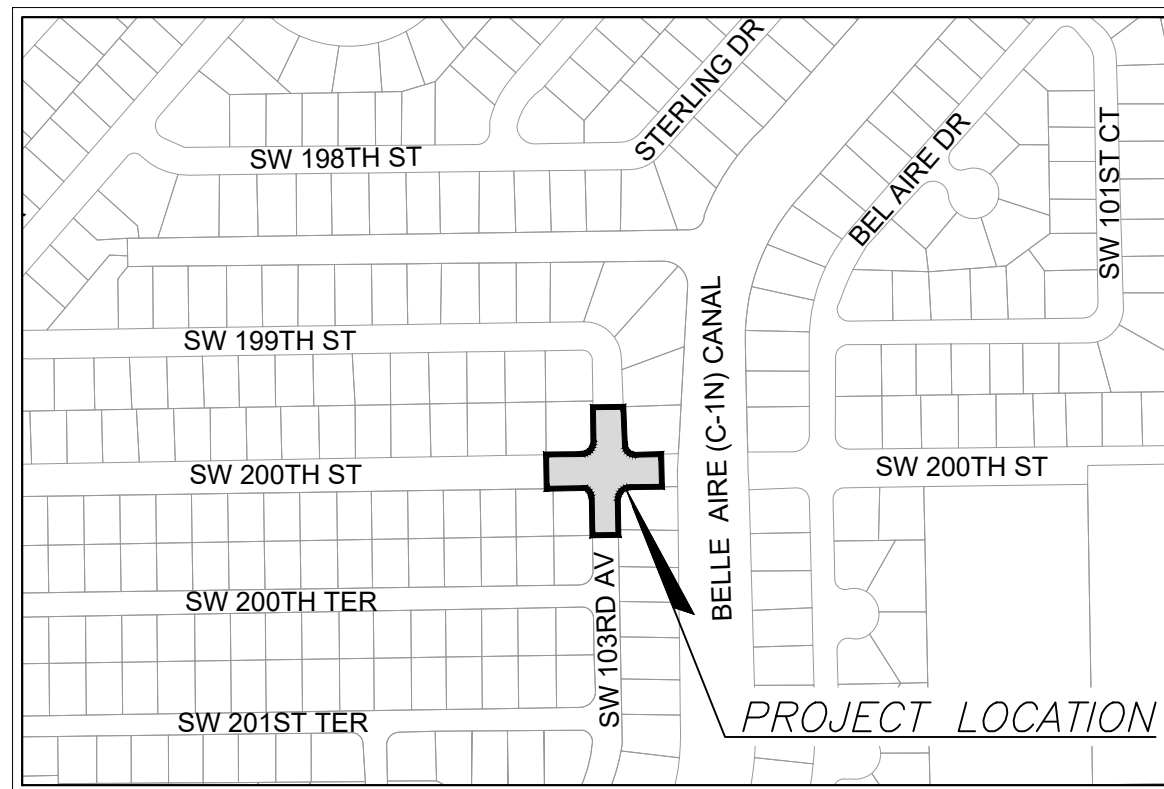


COMMUNITY OFFICIALS

TIM MEERBOTT, MAYOR
MICHAEL P. CALLAHAN, VICE MAYOR
ROBERT "B.J." DUNCAN, COUNCIL MEMBER SEAT 1
SUZY LORD, COUNCIL MEMBER SEAT 2
RICHARD RAMIREZ, COUNCIL MEMBER SEAT 3

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C-2.2	LEGEND AND ABBREVIATIONS
C-3.0	PAY ITEM NOTES
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1	SURVEY



SECTION 3 - TOWNSHIP 56 SOUTH - RANGE 40 EAST



100% SUBMITTAL

PREPARED BY:



Call 811 or visit sunshine811.com two full business days before digging to have buried facilities located and marked.
Check positive response codes before you dig!

REVISIONS-SUBMITTALS

REV.	DATE	BY	DESCRIPTION

COVER SHEET

DATE: 10/24/2023

SHEET: 00



TOWN OF CUTLER BAY

TRAFFIC CIRCLE AT SW 200th STREET AND SW 103rd AVENUE

CIVIL PLANS

COMMUNITY OFFICIALS

TIM MEERBOTT, MAYOR
MICHAEL P. CALLAHAN, VICE MAYOR
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C-12.0	STORMWATER POLLUTION PREVENTION NOTES & DETAILS
C-12.1	STORMWATER POLLUTION PREVENTION PLAN
C-13	PAVEMENT MARKING AND SIGNAGE PLANS

ENGINEER'S CERTIFICATION:

• THIS PLAN WAS PREPARED UNDER MY DIRECTION AND TO THE BEST OF MY KNOWLEDGE AND BELIEF, COMPLIES WITH THE INTENT OF THE MANUAL OF UNIFORM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE OF STREETS AND HIGHWAYS AS ADOPTED BY THE STATE OF FLORIDA LEGISLATURE

IGNACIO SERRALTA, P.E. No. 45609



NOTES:

- THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION.
- ALL WORK SHALL BE PERFORMED WITHIN THE LIMITS OF EXISTING STATE / LOCAL RIGHT OF WAY, AND ALL IMPROVEMENTS SHALL BE CONSTRUCTED AND INSTALL WITHIN SAID LIMITS
- ALL ELEVATIONS REFER TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD-29)

GOVERNING STANDARDS AND SPECIFICATIONS:

- MIAMI DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS ENGINEERING STANDARDS FOR DESIGN AND CONSTRUCTION.
- FLORIDA DEPARTMENT OF TRANSPORTATION, STANDARDS PLANS FY 2023-24, AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED JULY 06-21-2023 (LAST UPDATED), MANUAL OF UNIFORM CONTROL DEVICE FOR STREETS AND HIGHWAYS, 2009 MUTCD WITH REVISIONS 1, 2, AND 3, JULY 2022, AS AMENDED BY CONTRACT DOCUMENTS.

REVISIONS-SUBMITTALS

<u>REV.</u>	<u>DATE</u>	<u>BY</u>	<u>DESCRIPTION</u>

COVER SHEET

DATE: 10/24/2023

SHEET: C-1

GENERAL NOTES:

- 1 EXISTING TOPOGRAPHIC AND TREE LOCATION INFORMATION HAS BEEN OBTAINED FROM THE SURVEY PREPARED BY: HADONNE LAND SURVEYORS AND MAPPERS ON 03/02/2023.
- 2 ALL ELEVATIONS REFER TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD-29).
- 3 FLOOD CRITERIA ELEVATION IS 8.56 FEET BASED ON MIAMI DADE COUNTY FLOOD CRITERIA MAPS. OCTOBER WATER LEVEL 3.20
- 4 IN ACCORDANCE WITH THE MIAMI DADE COUNTY "PRELIMINARY FLOOD ZONES", THIS PROJECT IS LOCATED IN FLOOD ZONE "AE" ELEVATION 10.56
<https://mdc.maps.arcgis.com/apps/webappviewer/index.html?id=5353f6867cf84a99a09c06c664f3195c>
- 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 RADII ON CURB RETURNS ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

- 37 PROVIDE A SMOOTH TRANSITION WHERE NEW PAVEMENT, SIDEWALK, OR CURB MEETS EXISTING GRASS AREAS.
- 38 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
- 39 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.
- 40 NO STAGING OR OTHER ACTIVITIES FOR THIS PROJECT WILL BE ALLOWED WITHIN OR ADJACENT TO THE BELLE AIRE (C-1N) CANAL.
- 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

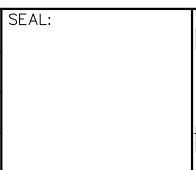
PROJECT RECORD DOCUMENTS

- 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).

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REV.	DATE	BY:	DESCRIPTION

DESIGNED BY: O.B.	SEAL:
DRAWN BY: O.B.	
CHECKED BY: J.C.F.	
DATE: 10/24/2023	



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CONSULTING ENGINEERS

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FAX: (305) 234-4251

**TRAFFIC CIRCLE
AT
SW 200th STREET AND
SW 103rd AVENUE**

GENERAL NOTES

SCALE: AS SHOWN	
PROJECT NO.: 2303	
DWG. NO.:	SHEET: C-2.0

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 REMAINS WITH SRS ENGINEERING, INC. WITHOUT PREJUDICE.

UTILITIES

- 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.
- 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.
- 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.
- 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.
- 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

- DUE TO THE LIMITED SCOPE OF WORK, NO IMPACTS TO EXISTING HISTORICAL AND CULTURAL RESOURCES ARE EXPECTED AS A RESULT OF THE PROPOSED ACTION.
- NO STAGING OR OTHER ACTIVITIES FOR THIS PROJECT SHOULD OCCUR WITHIN THE DRIPLINE OF EXISTING TREES.
- PREVENT DAMAGING TREES AND PLANTERS WITHIN OR IMMEDIATELY ADJACENT TO THE PROJECT'S RIGHT-OF-WAY.
- AN ARBORIST CERTIFIED BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE SHALL BE PRESENT ON SITE TO MONITOR CONSTRUCTION ACTIVITIES NEAR EXISTING TREES
- TREE PROTECTION SHOULD BE INSTALLED AROUND TREES TO REMAIN LOCATED ADJACENT TO CONSTRUCTION ACTIVITIES PER FDOT STANDARDS PLANS FY 2023-24, INDEX 110-100
- CONTRACTOR SHALL REMOVE/CONTROL DUST USING WATER OR OTHER EQUIPMENT CAPABLE OF CONTROLLING DUST.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A DERM CLASS V DEWATERING PERMIT AND A SFWMD WATER USE, IF DEWATERING IS PROPOSED.

TRAFFIC CONTROL PLANS

- 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
- 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.
- 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.
- 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.
- LANE CLOSURE SHALL OCCUR ONLY DURING NON-PEAK HOURS ON NON-EVENT DATS/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.
- 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.

- 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.
- 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.
- TEMPORARY LANE TRANSITIONS, SHIFTS, AND CROSSOVERS SHALL HAVE SOLID LANE AND EDGE LINES FOR THE LENGTH OF THE TRANSITION, SHIFT OR CROSSOVER. IN ADDITION, SOLID LANE AND EDGE LINES SHALL EXTEND 100 FT ON TANGENT BEYOND EACH END OF THE TRANSITION, SHIFT, OR CROSSOVER. EXCEPTION SHALL BE THROUGH INTERSECTIONS WHERE 2 FT TO 4 FT SKIP LINES WILL BE PLACED.
- 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.
- 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.
- 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
- 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.
- 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

- 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.
- 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

- ADJACENT INTERSECTIONS SHALL NOT BE CONSTRUCTED SIMULTANEOUSLY UNLESS DIRECTED BY THE ENGINEER
- INTERSECTIONS SHALL BE RECONSTRUCTED WORKING ON A CONTINUOUS DAILY BASIS UNTIL COMPLETE AND UNTIL THE STRUCTURAL COURSE IS PLACED.
- 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

- 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.
- CONSTRUCTION ACTIVITIES THAT INVOLVES SIDEWALKS ON BOTH SIDES OF THE STREET ARE NOT ALLOWED UNLESS APPROVED BY THE ENGINEER.

SIGNING AND PAVEMENT MARKINGS

- 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.

- ALL PAVEMENT MARKINGS, MESSAGES, AND ARROWS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED.
- REFLECTIVE PAVEMENT MARKERS ARE TO BE PLACED AS INDICATED
- MATCH EXISTING PAVEMENT MARKINGS AT THE BEGINNING AND AT THE END OF THE PROJECT AND AT ALL SIDE STREETS WITHOUT JOGS OR OFFSETS.
- THE CONTRACTOR SHALL REMOVE EXISTING MARKINGS BY FDOT APPROVED METHOD WITHOUT DAMAGE TO THE FRICTION COURSE.
- 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.
- 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.
- 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.
- REFLECTIVE PAVEMENT MARKERS AS PER FDOT STANDARD INDEX NO 706-001
- NEW STREET NAME SIGNS SHALL BE PER MIAMI DADE COUNTY STANDARDS AND MUTCD.
- DELIVER AND UNLOAD REMOVED STREET SIGNS TO:
MIAMI-DADE COUNTY DEPT. OF TRANSPORTATION AND PUBLIC WORKS, TRAFFIC SIGNALS & SIGNS DIVISION
7100 N.W. 36TH STREET
MIAMI, FLORIDA 33166

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	DATE: 10/24/2023								DWG. NO.:
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									C-2.1



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**TRAFFIC CIRCLE
AT
SW 200th STREET AND
SW 103rd AVENUE**

GENERAL NOTES

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 FRAUD EVIDENCE OF THE ACCEPTANCE OF THE RESTRICTIONS.

ABBREVIATIONS:

BLDG.	=	BUILDING
C.B.	=	CATCH BASIN
\overline{B}	=	BASE LINE
C	=	CENTER LINE
C.O.	=	CLEANOUT
CONC.	=	CONCRETE
CONN.	=	CONNECTION
CONT.	=	CONTINUATION
CONST.	=	CONSTRUCT
DET.	=	DETAIL
D.I.P.	=	DUCTILE IRON PIPE
EG.	=	EXISTING GRADE ELEVATION
EXIST.	=	EXISTING
F.F.E.	=	FINISHED FLOOR ELEVATION
FG.	=	FINISHED GRADE 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, \overline{P}	=	PROPERTY LINE
PROP.	=	PROPOSED
SAN.	=	SANITARY SEWER
R/W, ROW	=	RIGHT OF WAY
SEC.	=	SECTION
SERV.	=	SERVICE
S/L, S	=	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	EXISTING WATER MAIN (UNDERGROUND)
	SAN	EXISTING SANITARY SEWER MAIN (UNDERGROUND)
	GAS	EXISTING GAS LINE (UNDERGROUND)
	OUL	EXISTING F.P.L. CONDUIT (OVERHEAD)
		PROPOSED EXFILTRATION DRAIN (UNDERGROUND)
		PROPOSED SOLID DRAINAGE PIPE (UNDERGROUND)
	S-#	PROPOSED DRAINAGE STRUCTURE (INLET/M.H.) ID
	EX-#	EXISTING DRAINAGE STRUCTURE (INLET) ID
		EXISTING CATCH BASIN
		PROP. CATCH BASIN
		PROP. DRAINAGE MANHOLE
	S	EXISTING SAN. SEWER MANHOLE
	W	EXISTING WATER MAIN VALVE BOX
	CO	EXISTING CLEAN-OUT
	W	EXISTING WATER METER
	E	EXISTING ELECTRICAL PANEL/PULL BOX
	C	EXISTING COMMUNICATION PANEL/PULL BOX
	FH	EXISTING FIRE HYDRANT

ROADWAY PLANS LEGEND:

	AMOUNT OF SIDEWALK FLAG TO BE REPLACED (5' MIN.)
	EXISTING SANITARY SEWER / DRAINAGE MANHOLE TO BE ADJUSTED BY A LICENSED CONTRACTOR
	EXISTING WATER/FORCE MAIN VALVE BOX & LID TO BE ADJUSTED BY A LICENSED CONTRACTOR
	CONSTRUCT 6" CONC. SIDEWALK (2% CROSS SLOPE MAX.), HANDICAP RAMPS, DRIVEWAYS & INLET APRONS
	PROP. CONCRETE PAVER (SEE TYPICAL SECTION) TRAFFIC CIRCLE MEDIAN
	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 FC-9.5 ASPHALTIC CONCRETE SURFACE COURSE (INSTALL W/ THE SECOND LIFT OF THE PAVEMENT RESTORATION AND NEW PAVEMENT)
	EXIST. ASPHALT DRIVEWAY TO BE RESURFACED W/ 1" SP-9.5 CONCRETE ASPHALT
	NEW PAVEMENT - 2 LIFTS: (1") SP-9.5 & (1") FC-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
	NEW DRIVEWAY - 1 LIFTS (1") SP-9.5 ASPHALTIC CONC. - 6" MIN. BASE COURSE COMPACTED TO MIN. 98% (MODIFIED PROCTOR) MIN. LBR=100 PER AASHTO T-180)
	PAVER DRIVEWAY - LATTICE CONCRETE PAVER (SEE DETAIL ON SHEET C-11.1) - 6" MIN. BASE COURSE COMPACTED TO MIN. 98% (MODIFIED PROCTOR) MIN. LBR=100 PER AASHTO T-180) - 6"x9" CONCRETE CURB BORDER (ALONG THE ENTIRE PERIMETER OF THE DRIVEWAY)

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**TRAFFIC CIRCLE
AT
SW 200th STREET AND
SW 103rd AVENUE**

*LEGEND AND
ABBREVIATIONS*

SCALE: AS SHOWN
PROJECT NO.: 2303
DWG. NO.: C-2.2
SHEET: C-2.2

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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.
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.
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	NCLUDES 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 ENCASUREMENT, INLET PROTECTION (ACCORDANCE WITH THE PLANS, STANDARDS, AND/OR EROSION AND SEDIMENT CONTROL MANUAL FOR THE PROTECTION OF PROPOSED INLETS), 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.
443-70-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, #8 AGGREGATE, 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
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 6" CONCRETE SLAB W/ 6"X6" WELDED WIRE MESH ON THE TRAFFIC CIRCLE, IS INCLUDED IN THE PAY ITEM 522-2
8. REFER TO FDOT'S "DESIGN QUANTITIES AND ESTIMATES" (DQE) FOR MORE INFORMATION ON THE PAYMENT ITEM DESCRIPTIONS.

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**TRAFFIC CIRCLE
AT
SW 200th STREET AND
SW 103rd AVENUE**

PAY ITEM NOTES

SCALE: AS SHOWN
PROJECT NO.: 2303
DWG. NO.: SHEET: C-3.0

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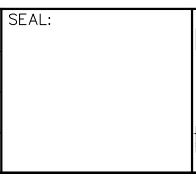
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ROADWAY				
Item	Pay Item No.	Description	Quantity	Unit Measure
1	001	AS BUILT	1	LS
2	101-1	MOBILIZATION	1	LS
3	102-1	MAINTENANCE OF TRAFFIC	1	LS
4	102-14	TRAFFIC CONTROL OFFICER ALLOWANCE	100	HR
5	110-1-1	CLEARING AND GRUBBING	1	LS
6	110-4-10	REMOVAL OF EXISTING CONCRETE + (30% CONTINGENCY)	400	SY
7	102-1	REGULAR EXCAVATION	750	CY
8	125-1	EXCAVATION FOR STRUCTURES AND SOLID PIPES	305	CY
9	160-4	TYPE B STABILIZATION	1,200	SY
10	285-704	LIMEROCK BASE (6") (OPTIONAL BASE,BASE GROUP 04)	150	SY
11	285-706	LIMEROCK BASE (8") (OPTIONAL BASE,BASE GROUP 06)	1,125	SY
12	327-70-16	MILLING EXISTING ASPHALT PAVEMENT (1/2" AVG. DEPTH)	380	SY
13	334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C, SP-9.5 (1" AND 1/2") + (10% CONTINGENCY)	62	TN
14	337-7-82	ASPHALT CONCRETE FRICTION COURSE,TRAFFIC C, FC-9.5, PG 76-22 (1") (+ 10% CONTINGENCY)	78	TN
15	425-1-2B	SD-3.1 SWALE INLET TYPE D-1 (17" x 27") < 10' (M-DPWD PAY ITEM)	2	EA
16	425-1-2A	SD-2.2 (SWALE/TYP-9) INLET TYPE D-3 (36" Dia.) < 10' (M-DPWD PAY ITEM)	2	EA
17	425-2-41	SD-2.7 MANHOLES, P-7, < 10' (M-DPWD PAY ITEM)	1	EA
18	425-2-71	SD-2.6 MANHOLES, J-7, < 10' (M-DPWD PAY ITEM)	1	EA
19	425-5	MANHOLE, ADJUST	1	EA
20	425-6	VALVE BOXES, ADJUST	2	EA
21	430-174-118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18"SD (HDPE)	150	LF
22	443-70-3	EXFILTRATION DRAIN (18")	130	LF
23	519-78	BOLLARDS	1	EA
24	520-1-10	CONCRETE CURB AND GUTTER TYPE "F"/DROP CURB	410	LF
25	520-2-4	CONCRETE CURB AND GUTTER (TYPE "D")	315	LF
26	520-2-8	CONCRETE CURB, TYPE RA	126	LF
27	520	CONCRETE CURB BORDER	200	LF
28	522-2	CONCRETE SIDEWALK (6" THICK) (SIDEWALK, RAMP, APRON, DRIVEWAY & SALB) + (30% CONTINGENCY)	530	SY
29	527-2	DETECTABLE WARNINGS	60	SF
30	526-1-1	PAVERS, ARCHITECTURAL, ROADWAY (105 SY LATTICE PAVER + 75 SY TRAFFIC CIRCLE MEDIAN)	180	SY
31	536-1-0	GUARDRAIL -ROADWAY, GENERAL/LOW SPEED TL-2	26	LF
32	550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	50	LF
33	550-60-233	FENCE GATE, TYPE B, SLIDING/CANTILEVER, 12.1-18' OPENING	1	EA
34	570-1-2	PERFORMANCE TURF, SOD	1,200	SY
35	1080-211	UTILITY FIXTURE, VALVE/METER BOX, FURNISH & INSTALL	1	EA

PAVEMENT MARKING AND SIGNAGE				
Item	Pay Item No.	Description	Quantity	Unit Measure
36	710-11-101	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	0.10	GM
37	710-11-102	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR INTERCHANGE AND URBAN ISLAND, 8"	0.01	GM
38	710-11-123	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR CROSSWALK AND ROUNDABOUT, 12"	160	LF
39	710-11-125	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR STOP LINE OR CROSSWALK, 24"	90	LF
40	710-11-141	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 DOTTED EXTENSION, 6"	0.01	GM
41	710-11-201	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	0.17	GM
42	710-11-290	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, ISLAND NOSE	220.00	SF
43	705-10-1	OM1-3 TYPE 1 OBJECT MARKER (PANEL ONLY)	3	EA
44		D1-1d CIRCULAR INTERSECTION EXIT DESTINATION (PANEL ONLY)	3	EA
45		R4-7 NARROW KEEP RIGHT SIGN (PANEL ONLY)	3	EA
46		R6-4 ROUNDABOUT DIRECTIONAL (PANEL ONLY)	3	EA
47		R1-2 YIELD (PANEL ONLY)	3	EA
48		W16-7P DOWNWARD DIAGONAL ARROW (PANEL ONLY)	6	EA
49		W11-2 PEDESTRIAN CROSSING (PANEL ONLY)	6	EA
50		W13-1P ADVISORY SPEED (PANEL ONLY)	3	EA
51		W2-6 CIRCULAR INTERSECTION (PANEL ONLY)	3	EA
52	700-1-11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	21	AS
53	706-1-1	RAISED PAVEMENT MARKER, TYPE B WITHOUT FINAL SURFACE MARKINGS (Y/Y, W/R & BLUE)	280	EA
54	711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	160	LF
55	711-11-141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"	0.01	GM
56	711-14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	90	LF
57	711-16-101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	0.10	GM
58	711-16-102	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 8"	0.01	GM
59	711-16-201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	0.17	GM

REV.	DATE	BY:	DESCRIPTION

DESIGNED BY: O.B.	SEAL:
DRAWN BY: O.B.	
CHECKED BY: J.C.F.	
DATE: 10/24/2023	



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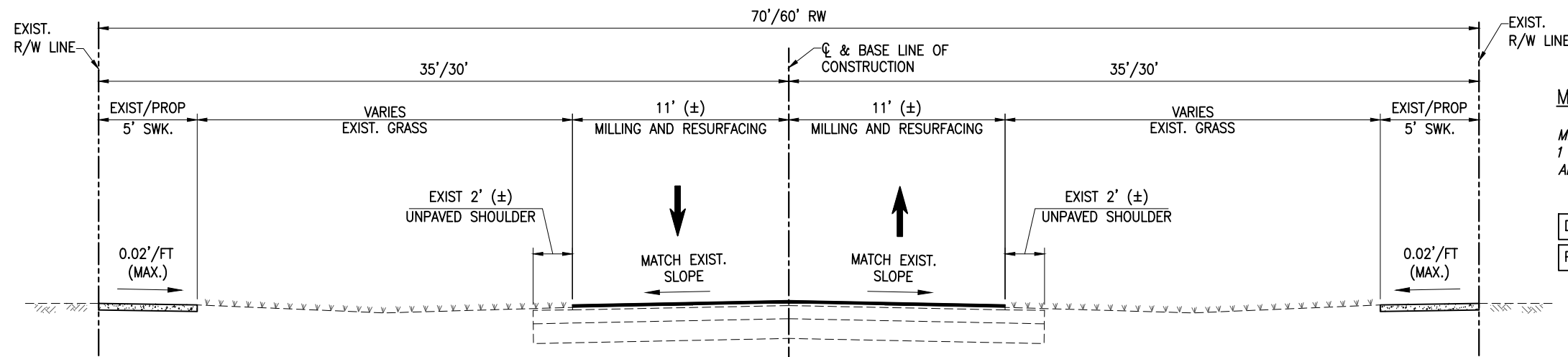
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10720 CARIBBEAN BOULEVARD
CUTLER BAY, FL 33189
PHONE: (305) 234-4262
FAX: (305) 234-4251

TRAFFIC CIRCLE
AT
SW 200th STREET AND
SW 103rd AVENUE

SUMMARY OF
QUANTITIES

SCALE: AS SHOWN	
PROJECT NO.: 2303	
DWG. NO.:	SHEET: C-3.1

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 FRAUD EVIDENCE OF THE ACCEPTANCE OF THE RESTRICTIONS.



MILLING AND RESURFACING:

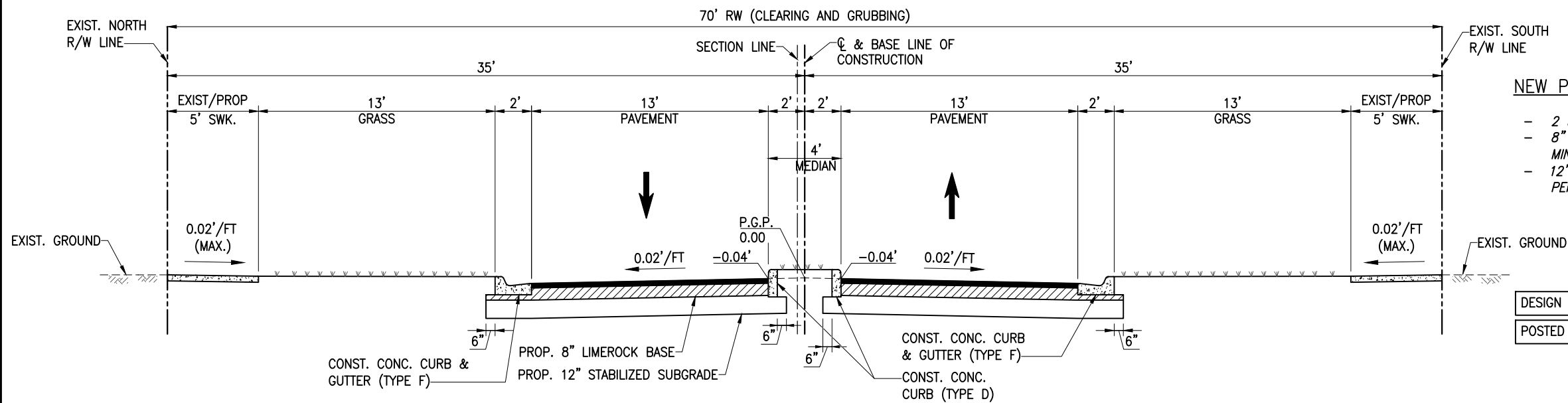
MILLING EXISTING ASPHALT PAVEMENT (1/2" AVERAGE) AND RESURFACING WITH 1 LIFT (1"), INSTALL W/ THE SECOND LIFT OF THE PAVEMENT RESTORATION AND NEW PAVEMENT OF FC-9.5 ASPHALTIC CONCRETE SURFACE COURSE

DESIGN SPEED 30 MPH
POSTED SPEED 30 MPH

TYPICAL SECTION
 SW 103rd AVE (60' R/W) AND SW 200th ST (70' R/W) N.T.S.
 STA. 8+50 TO STA. 9+00 (SW 103rd AVE)
 STA. 11+00 TO STA. 11+50 (SW 103rd AVE)
 STA. 18+50 TO STA. 19+00 (SW 200th ST)

SIDEWALK TYPICAL NOTE:

- REFER TO SHEET C-5 TO LOCATE THE CURRENT SIDEWALK THAT NEEDS TO BE REPLACED WITH 6" THICK CONC. SIDEWALK



NEW PAVEMENT:

- 2 LIFTS: (1") SP-9.5 (1") FC-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

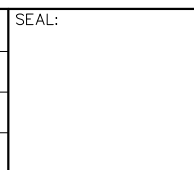
DESIGN SPEED 20 MPH
POSTED SPEED 15 MPH

TYPICAL SECTION SW 200th ST. TRAFFIC CIRCLE N.T.S.
 STA. 19+35.19 TO STA. 19+65

File name: F:\Engineering\SRS Projects\2023\2303 - Cutler Bay - Traffic Roundabout\Design\2303_PAG_4.0-4.2_TYPICAL SECTION.dwg - Plot Date: 10/24/23

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DATE: 10/24/2023	



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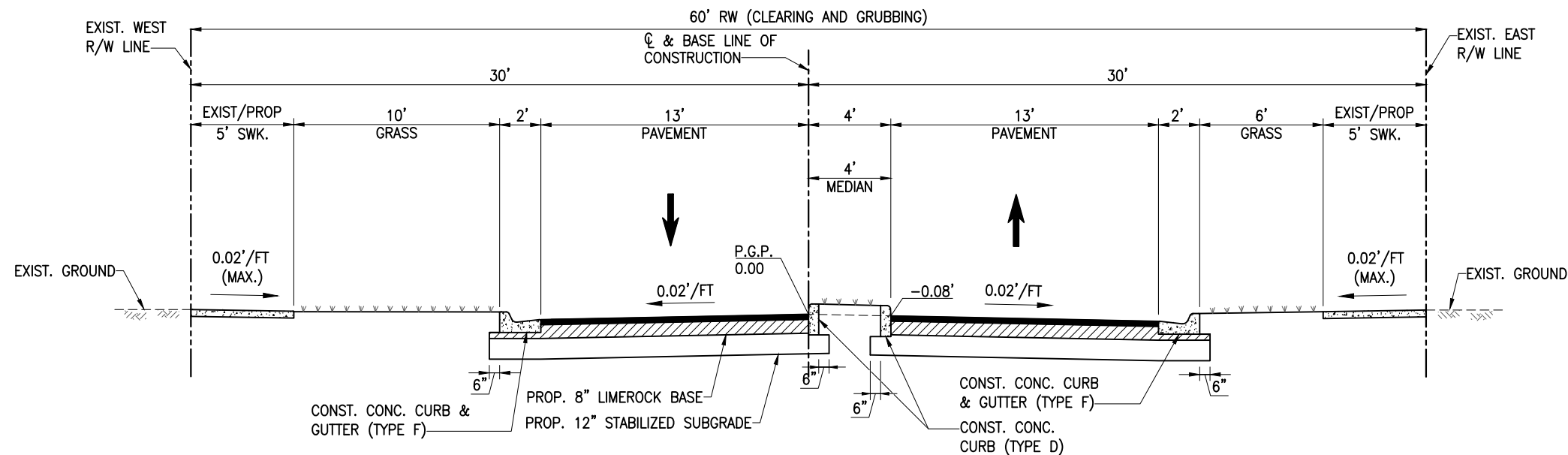
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TRAFFIC CIRCLE AT SW 200th STREET AND SW 103rd AVENUE

TYPICAL SECTION

SCALE: AS SHOWN
PROJECT NO.: 2303
DWG. NO.: C-4.0

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NEW PAVEMENT:

- 2 LIFTS: (1") SP-9.5 (1") FC-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

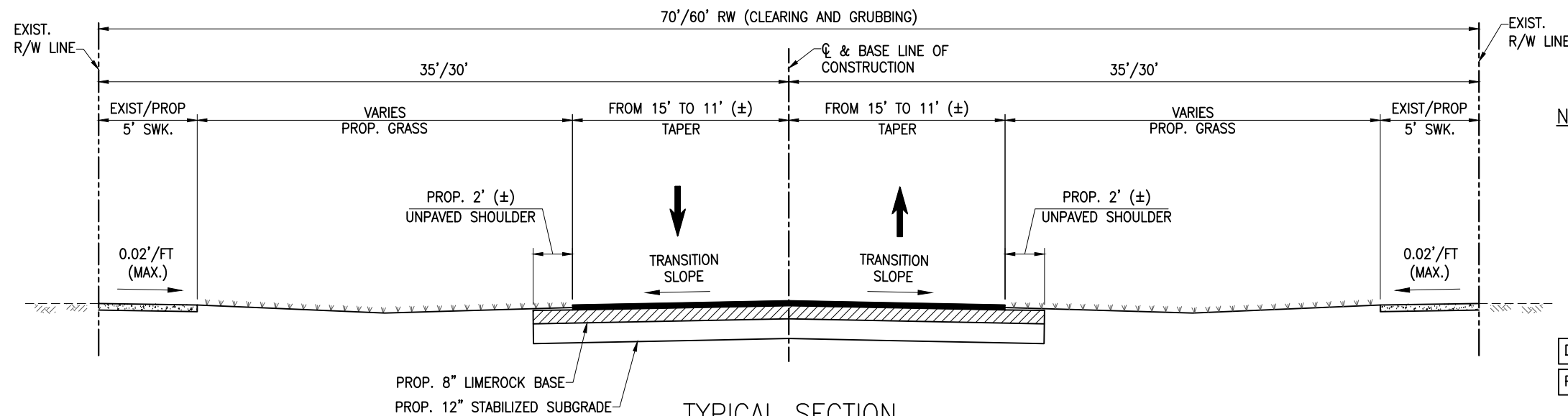
DESIGN SPEED 20 MPH
POSTED SPEED 15 MPH

**TYPICAL SECTION SW 103rd AVE.
TRAFFIC CIRCLE**

STA. 9+27.75 TO STA. 9+63.00
STA. 10+37.00 TO STA. 10+72.40

SIDEWALK TYPICAL NOTE:

1. REFER TO SHEET C-5 TO LOCATE THE CURRENT SIDEWALK THAT NEEDS TO BE REPLACED WITH 6" THICK CONC. SIDEWALK



NEW PAVEMENT:

- 2 LIFTS: (1") SP-9.5 (1") FC-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

DESIGN SPEED 20 MPH
POSTED SPEED 15 MPH

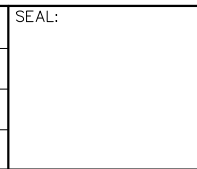
**TYPICAL SECTION
SW 200th ST (70' R/W) & SW 103rd AVE (60' R/W)**

STA. 9+00 TO STA. 9+27.75
STA. 10+72.40 TO STA. 11+00
STA. 19+00 TO STA. 19+35.19

File name: F:\Engineering\SRS Projects\2023\2303 - Cutler Bay - Traffic Roundabout\Design\2303_PAGE_4.D-4.2_TYPICAL SECTION.dwg - Plot Date: 10/24/23

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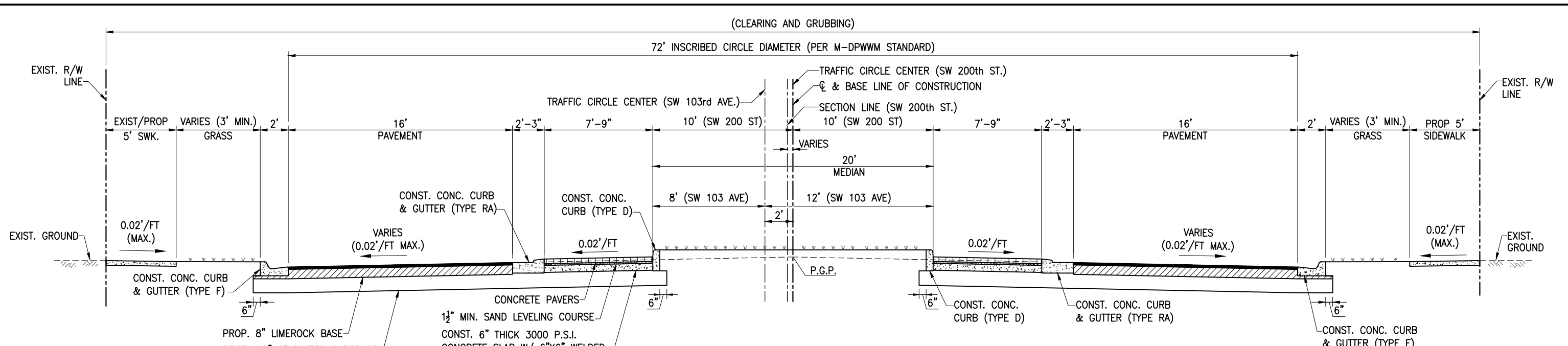
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**TRAFFIC CIRCLE
AT
SW 200th STREET AND
SW 103rd AVENUE**

TYPICAL SECTION

SCALE: AS SHOWN	SHEET: C-4.1
PROJECT NO.: 2303	
DWG. NO.:	

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TYPICAL SECTION TRAFFIC CIRCLE N.T.S.
 STA. 20+02 @ 0.00' (SW 200th ST.)
 STA. 10+00 @ 2.00' RT. (SW 103rd AVE)

DESIGN SPEED 20 MPH
 POSTED SPEED 15 MPH

- NEW PAVEMENT:
- 2 LIFTS: (1") SP-9.5 (1") FC-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

SIDEWALK TYPICAL NOTE:
 1. REFER TO SHEET C-5 TO LOCATE THE CURRENT SIDEWALK THAT NEEDS TO BE REPLACED WITH 6" THICK CONC. SIDEWALK

File name: F:\Engineering\SRS Projects\2023\2303 - Cutler Bay - Traffic Roundabout\Design\2303_PAGE_4.0-4.2_TYPICAL SECTION.dwg - Plot Date: 10/24/23

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DESIGNED BY:
O.B.
 DRAWN BY:
O.B.
 CHECKED BY:
J.C.F.
 DATE:
10/24/2023

SEAL:

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TRAFFIC CIRCLE
 AT
 SW 200th STREET AND
 SW 103rd AVENUE

TYPICAL SECTION

SCALE: AS SHOWN	
PROJECT NO.: 2303	
DWG. NO.:	SHEET: C-4.2

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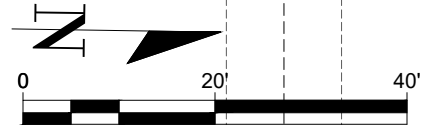
NOTE:

1. ALL EXISTING BROKEN SIDEWALKS SHALL BE REPLACED (SAW CUT), INSTALLS SIDEWALK FLAGS AS REQUIRED.
2. ACCESSIBLE RAMP SHALL BE MAX. SLOPE 1:12 W/ 2' DETECTABLE WARNING SURFACE TO BE PLACED ALONG THE FULL WIDTH OF THE LANDING OR SIDEWALK EXTENSION, PER FDOT 522-002
3. FOR TRAFFIC CIRCLE MEDIANS DETAILS, SEE SHEET C-6
4. SEE LEGEND AND ABBREVIATIONS ON SHEET C-2.2
5. SEE SHEET C-11.0 FOR THE FLUSH CONC. RAMP DETAIL

EXIST DRIVEWAY TO BE RESURFACED (MATCH EXIST. LAYOUT)

EXIST. MAILBOX TO BE RELOCATED, CONTRACTOR WILL COORDINATE WITH THE OWNER THE NEW LOCATION
 PROP. 5' (WIDE) FLUSH CONCRETE RAMP W/ 5' DROP CURB
 END PROP. CURB TYPE-F W/ 2' END CURB TRANSITION

STA. 19+00 @ & B SURVEY SW 200th ST.
 BEGIN NEW PAVEMENT SECTION AND END MILLING AND RESURFACING
 EXIST. TREE TO BE PROTECTED
 SECTION LINE (BEARING N89°06'14"E)
 CENTER LINE AND BASELINE (BEARING N89°07'5"E)
 BEGIN PROP. DROP CURB
 PROP. 5' (WIDE) FLUSH CONCRETE RAMP



Folio: 36-6005-007-1950
 10301 SW 200 ST

Folio: 36-6008-009-0160
 10350 SW 200 ST

PROP. 3' OPENING CURB W/ 2' CURB TRANSITION
 PROP. 10'x6' CONCRETE APRON
 END PROP. DROP CURB AND BEGIN CURB TYPE-F W/ 2' END CURB TRANSITION
 EXIST DRIVEWAY TO BE RESURFACED (MATCH EXIST. LAYOUT)

STA. 9+00 @ & B SURVEY SW 103rd AVE.
 BEGIN NEW PAVEMENT SECTION & END MILLING AND RESURFACING

EXIST. TREE TO BE PROTECTED
 PROP. 5' (WIDE) FLUSH CONCRETE RAMP
 BEGIN PROP. DROP CURB

+28.82
 30.04 LT.
 EXIST DRIVEWAY TO BE RESURFACED (MATCH EXIST. LAYOUT)
 PC. 19+51.30
 15.00 LT.
 BEGIN PROP. CURB TYPE-F W/ 2' END CURB TRANSITION & END DROP CURB

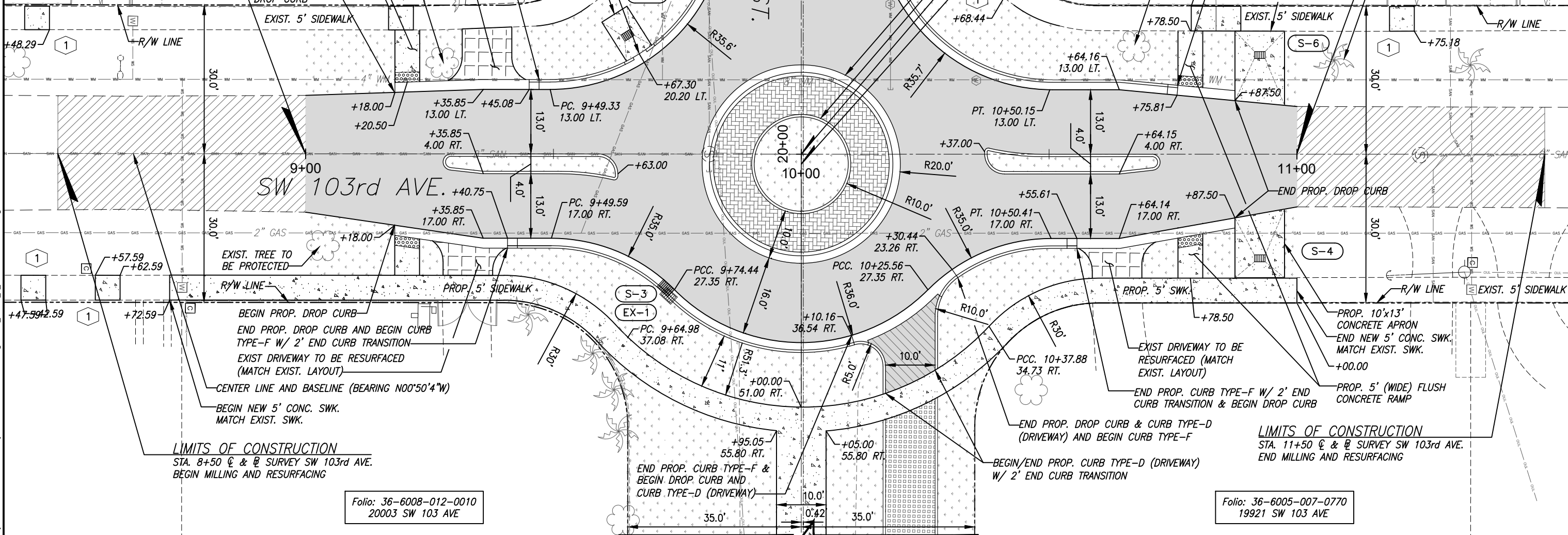
PROP. CONC. CURB TYPE-RA
 PROP. CONC. CURB TYPE-D
 STA. 10+00 (SW 103rd AVE) = STA. 20+00 (SW 200th ST)
 STA. 10+00 (SW 103rd AVE) @ 2.0' RT. = STA. 20+02 (SW 200th ST) CENTER OF TRAFFIC CIRCLE

PROP. 10'x15' CONCRETE APRON

STA. 11+00 @ & B SURVEY SW 103rd AVE.
 END NEW PAVEMENT SECTION AND BEGIN MILLING AND RESURFACING

EXIST. TREE TO BE PROTECTED
 END PROP. CURB TYPE-F W/ 2' END CURB TRANSITION & BEGIN DROP CURB

EXIST. PALM TO BE PROTECTED



LIMITS OF CONSTRUCTION
 STA. 8+50 @ & B SURVEY SW 103rd AVE.
 BEGIN MILLING AND RESURFACING

Folio: 36-6008-012-0010
 20003 SW 103 AVE

LIMITS OF CONSTRUCTION
 STA. 11+50 @ & B SURVEY SW 103rd AVE.
 END MILLING AND RESURFACING

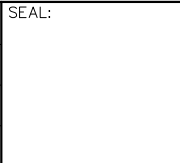
Folio: 36-6005-007-0770
 19921 SW 103 AVE

FOR CONTINUATION SEE SHEET C-7.1

File: F:\Engineering\SRS Projects\2023\2303 - Cutler Bay - Traffic Roundabout\Design\2303 - PAGE 5 - ROADWAY PLAN.dwg - Plot Date: 10/24/23

REV.	DATE	BY:	DESCRIPTION

DESIGNED BY: O.B.	SEAL:
DRAWN BY: O.B.	
CHECKED BY: J.C.F.	
DATE: 10/24/2023	



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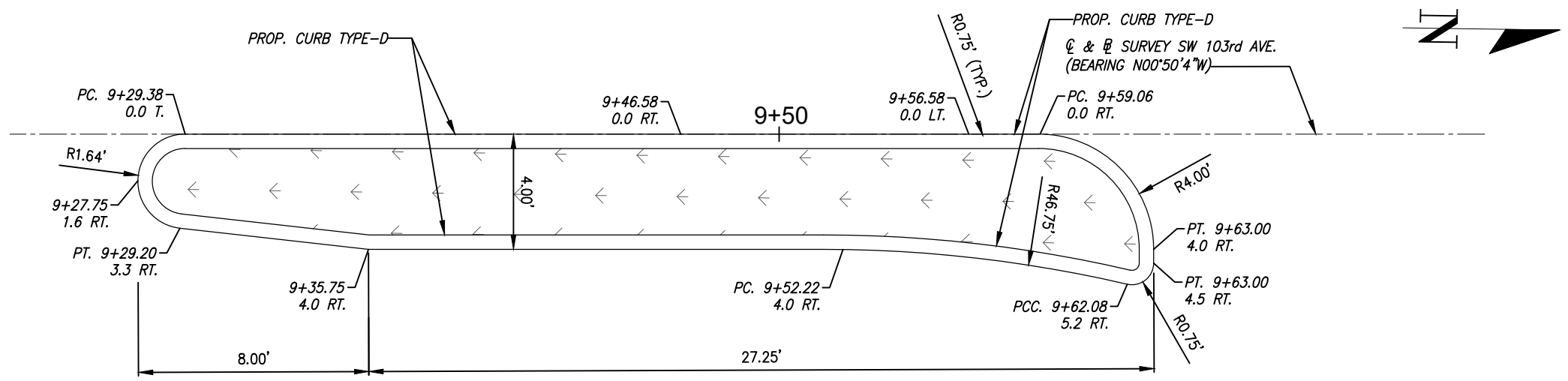
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TRAFFIC CIRCLE AT SW 200th STREET AND SW 103rd AVENUE

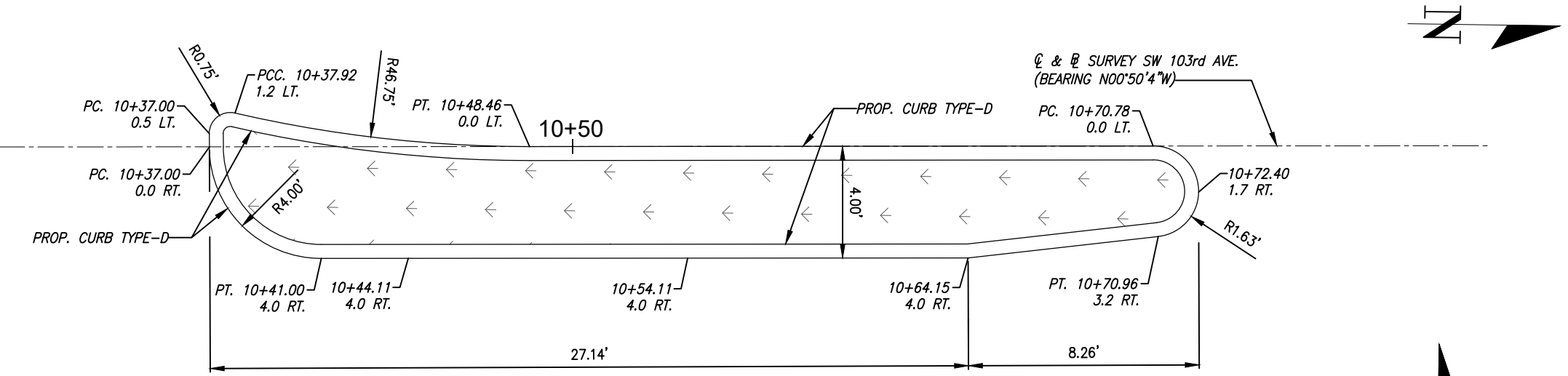
ROADWAY PLAN

SCALE: AS SHOWN	PROJECT NO.: 2303
DWG. NO.:	
SHEET: C-5	

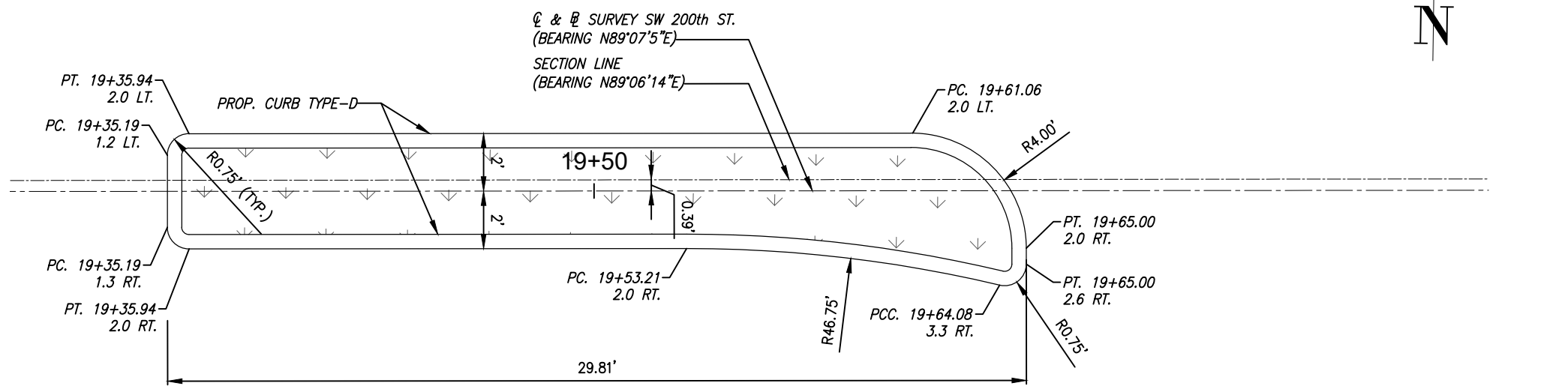
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SOUTH MEDIAN DETAIL (SW 103rd AVE.)



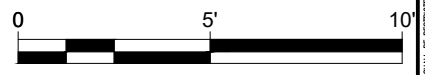
NORTH MEDIAN DETAIL (SW 103rd AVE.)



WEST MEDIAN DETAIL (SW 200th ST.)

NOTE:

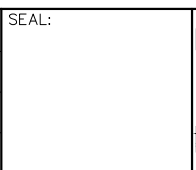
- REFER TO MIAMI DADE COUNTY PUBLIC WORKS AND WASTE MANAGEMENT TRAFFIC ENGINEERING DIVISION, STANDARD DETAILS "CIRCLE 50' R/W"



File name: F:\Engineering\SRS Projects\2023\2303 - Cutler Bay - Traffic Roundabout\Design\2303_PAGE_6_MEDIAN.dwg - Plot Date: 10/24/23

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TRAFFIC CIRCLE AT SW 200th STREET AND SW 103rd AVENUE

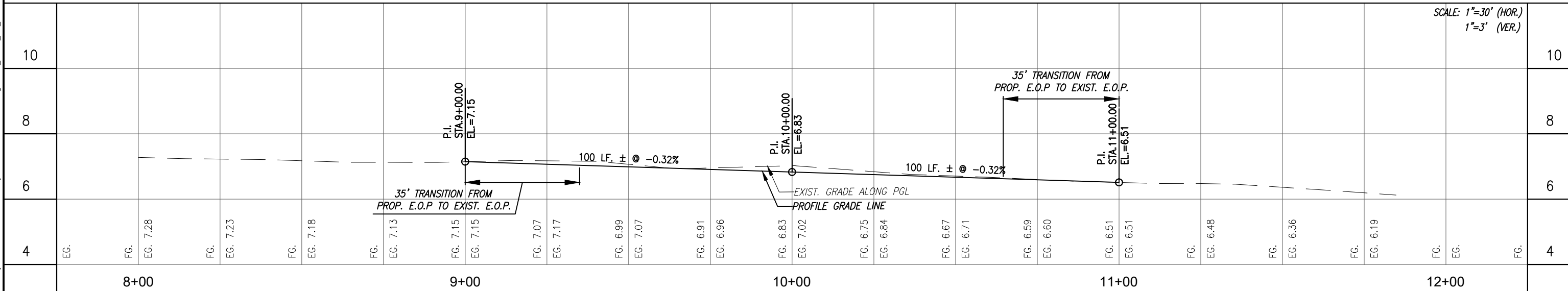
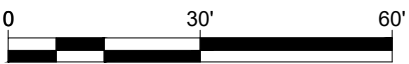
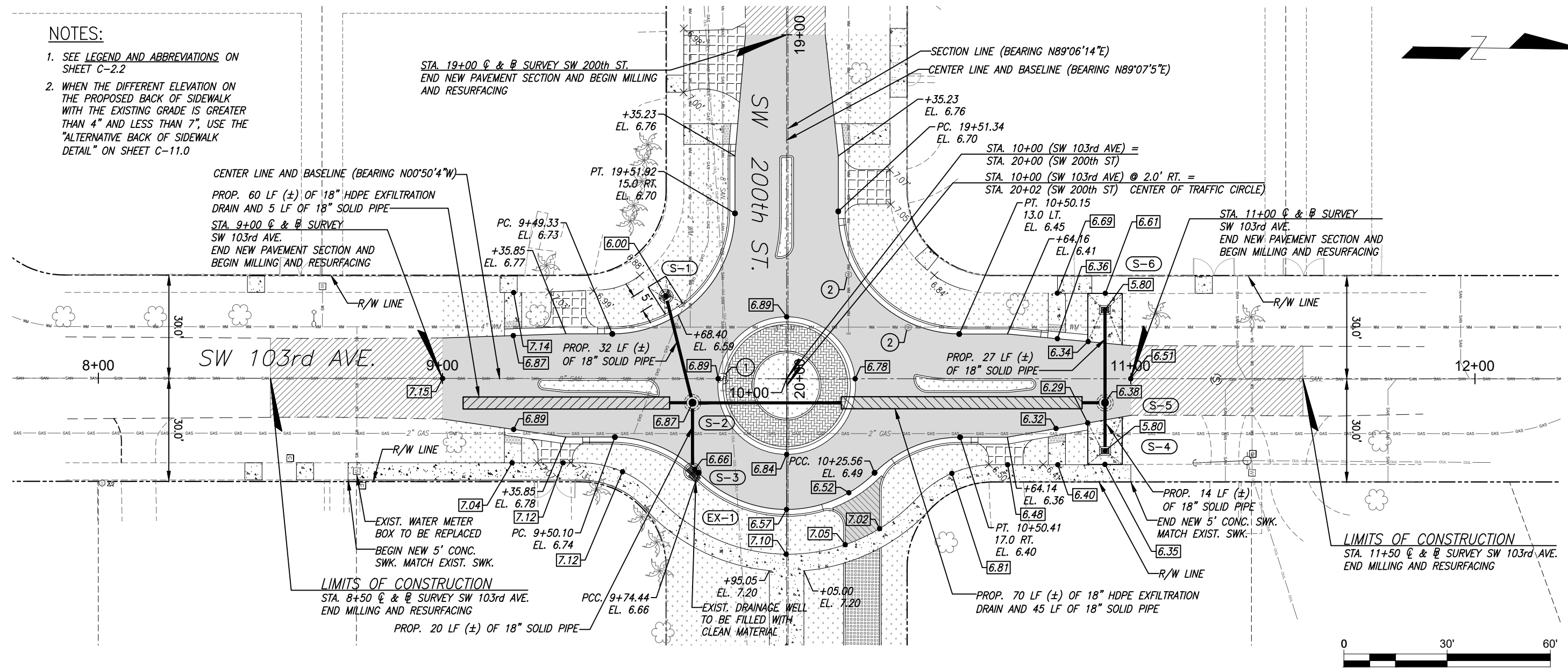
TRAFFIC CIRCLE MEDIANS DETAILS

SCALE: AS SHOWN	SHEET: C-6
PROJECT NO.: 2303	
DWG. NO.:	

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NOTES:

1. SEE LEGEND AND ABBREVIATIONS ON SHEET C-2.2
2. WHEN THE DIFFERENT ELEVATION ON THE PROPOSED BACK OF SIDEWALK WITH THE EXISTING GRADE IS GREATER THAN 4" AND LESS THAN 7", USE THE "ALTERNATIVE BACK OF SIDEWALK DETAIL" ON SHEET C-11.0



<table border="1"> <tr> <td>DESIGNED BY:</td> <td colspan="14">O.B.</td> </tr> <tr> <td>DRAWN BY:</td> <td colspan="14">O.B.</td> </tr> <tr> <td>CHECKED BY:</td> <td colspan="14">J.C.F.</td> </tr> <tr> <td>DATE:</td> <td colspan="14">10/24/2023</td> </tr> </table>															DESIGNED BY:	O.B.														DRAWN BY:	O.B.														CHECKED BY:	J.C.F.														DATE:	10/24/2023													
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**TRAFFIC CIRCLE
AT
SW 200th STREET AND
SW 103rd AVENUE**

*SW 103rd AVE.
GRADING AND DRAINAGE
PLAN & PROFILE*

SCALE:	AS SHOWN	
PROJECT NO.:	2303	
DWG. NO.:	SHEET: C-7.0	

File name: F:\Engineering\SRSS\Projects\2023\2303 - Cutler Bay - Traffic Roundabout\Design\2303_Plane_7.0_PLAN & PROFILE.dwg - Plot Date: 10/24/23

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NOTES:

1. SEE LEGEND AND ABBREVIATIONS ON SHEET C-2.2
2. WHEN THE DIFFERENT ELEVATION ON THE PROPOSED BACK OF SIDEWALK WITH THE EXISTING GRADE IS GREATER THAN 4" AND LESS THAN 7", USE THE "ALTERNATIVE BACK OF SIDEWALK DETAIL" ON SHEET C-11.0
3. REMOVE EXISTING PAVEMENT (ASPHALT), FENCE, GATES GUARDRAIL, AND SIGNS ALONG EAST SIDE OF SW 200th ST UP TO STATION 21+37.76
4. ACCESS TO THE PEDESTRIAN BRIDGE (PEDESTRIAN, BICYCLES & WHEELCHAIRS) TO BE KEPT OPEN DURING CONSTRUCTION.

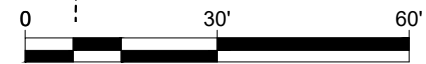
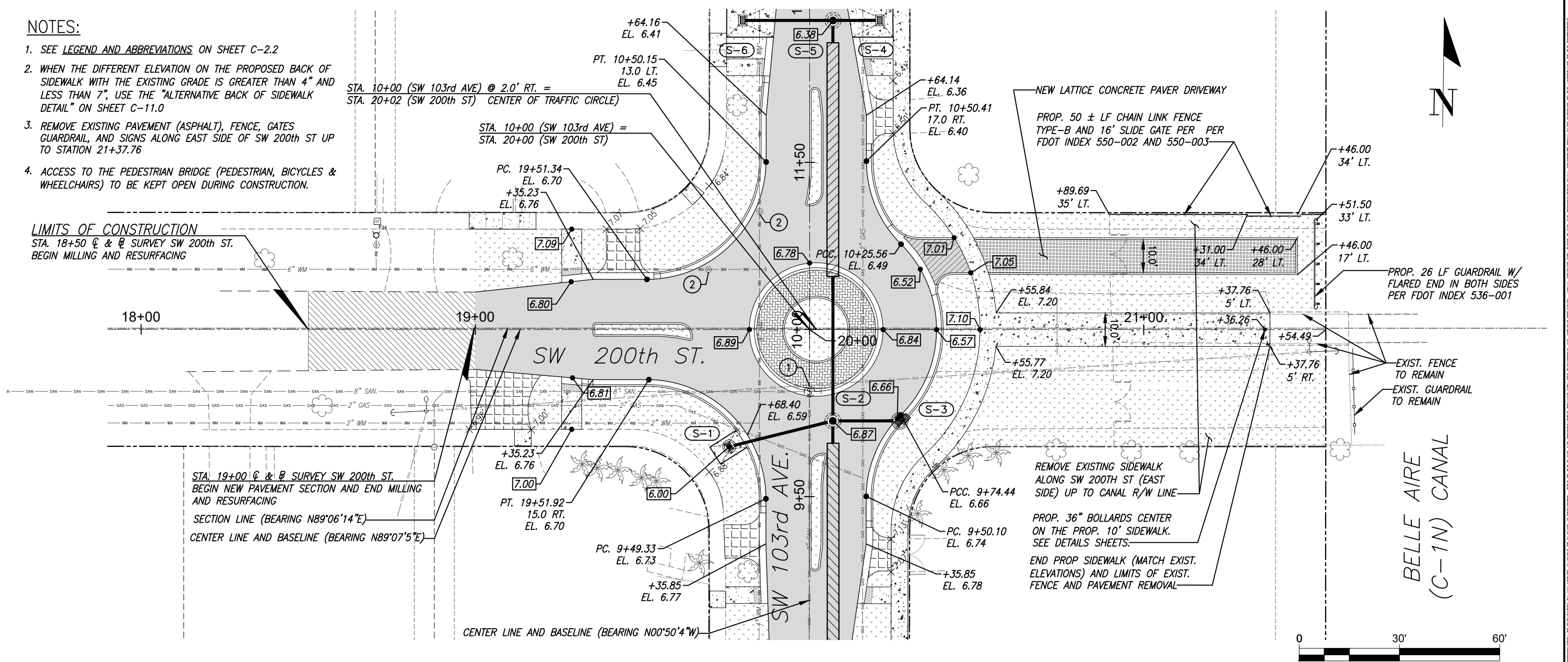
LIMITS OF CONSTRUCTION

STA. 18+50 @ & @ SURVEY SW 200th ST. BEGIN MILLING AND RESURFACING

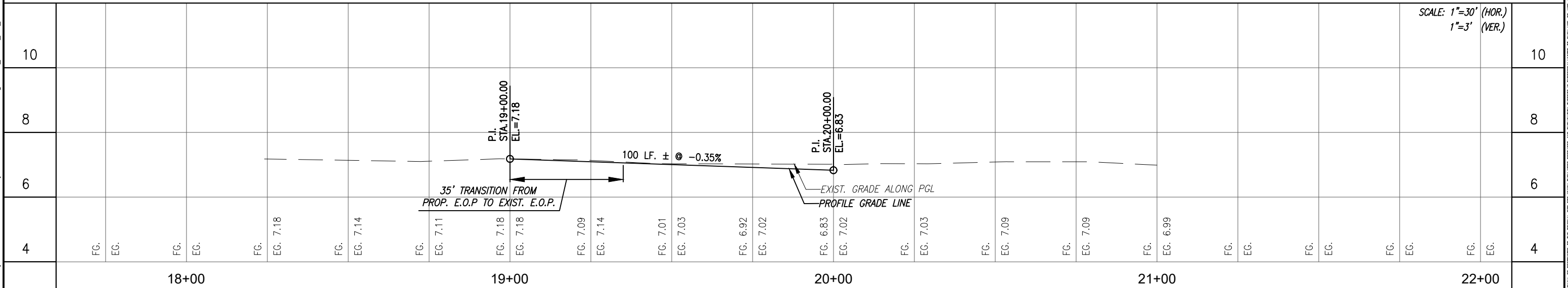
STA. 19+00 @ & @ SURVEY SW 200th ST. BEGIN NEW PAVEMENT SECTION AND END MILLING AND RESURFACING

SECTION LINE (BEARING N89°06'14"E)
CENTER LINE AND BASELINE (BEARING N89°07'5"E)

CENTER LINE AND BASELINE (BEARING N00°50'4"W)



SCALE: 1"=30' (HOR.)
1"=3' (VER.)

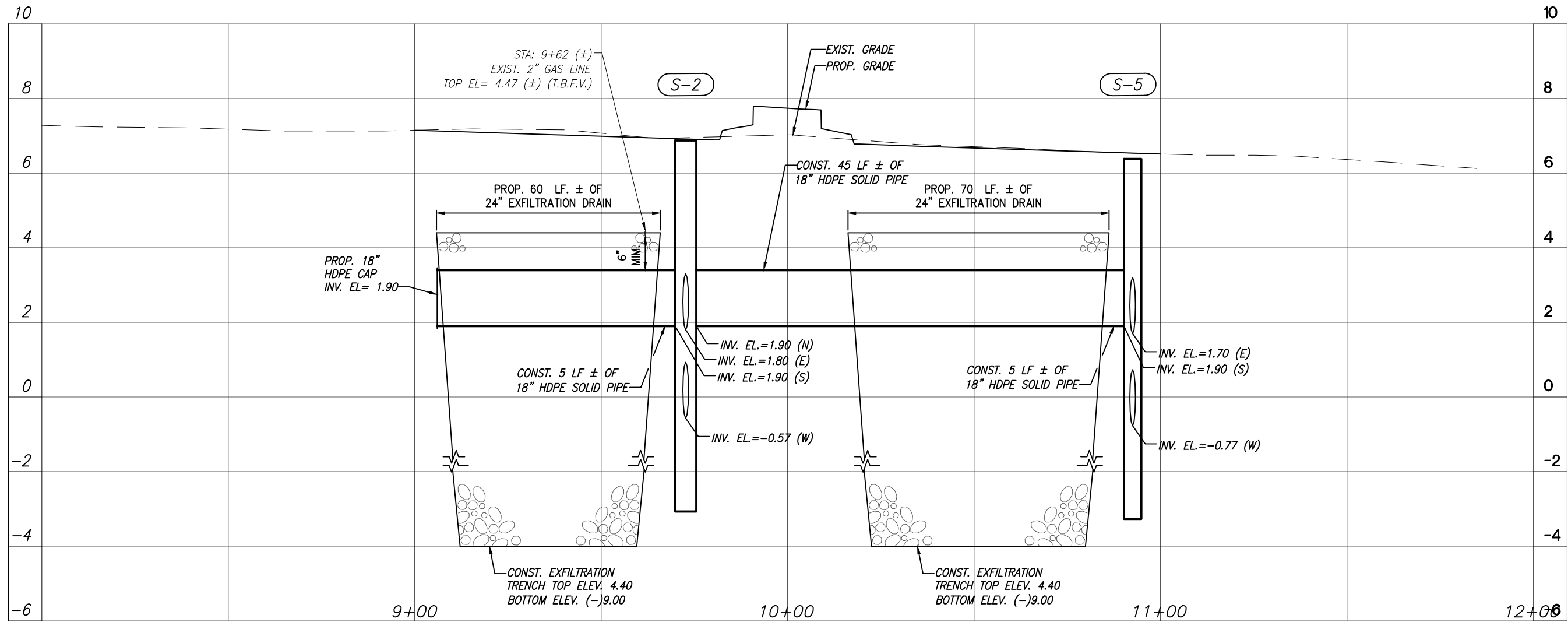


DESIGNED BY: O.B.	SEAL:	<p>5001 Southwest 74th Court, Suite 201 Miami, Florida 33155-4453 TEL. 305-662-8887, FAX 305-662-8858 WWW.SRS-CORP.COM</p>	<p>CUTLER BAY TOWN HALL 10720 CARIBBEAN BOULEVARD CUTLER BAY, FL 33189 PHONE: (305) 234-4262 FAX: (305) 234-4251</p>	<p>TRAFFIC CIRCLE AT SW 200th STREET AND SW 103rd AVENUE</p>	<p>SW 200th ST. GRADING AND DRAINAGE PLAN & PROFILE</p>	SCALE: AS SHOWN
DRAWN BY: O.B.	PROJECT NO.: 2303					
CHECKED BY: J.C.F.	DWG. NO.:					
DATE: 10/24/2023	SHEET: C-7.1					

File name: F:\Engineering\SRS Projects\2023\2303 - Cutler Bay - Traffic Roundabout\Design\2303_PAGE_7.1_PLAN & PROFILE.dwg - Plot Date: 10/24/23

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Filename: F:\Engineering\SRS Projects\2023\2303 - Cutler Bay - Traffic Roundabout\Design\2303_PAGE_8_PROFILE.dwg - Plot Date: 10/24/23

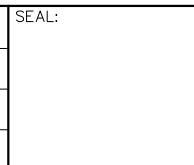


DRAINAGE PROFILE "SW 103rd AVE"

SCALE: 1"=30' (HOR.)
1"=3' (VER.)

REV.	DATE	BY:	DESCRIPTION

DESIGNED BY: O.B.	SEAL:
DRAWN BY: O.B.	
CHECKED BY: J.C.F.	
DATE: 10/24/2023	



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TOWN HALL

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FAX: (305) 234-4251

TRAFFIC CIRCLE
AT
SW 200th STREET AND
SW 103rd AVENUE

DRAINAGE PROFILE

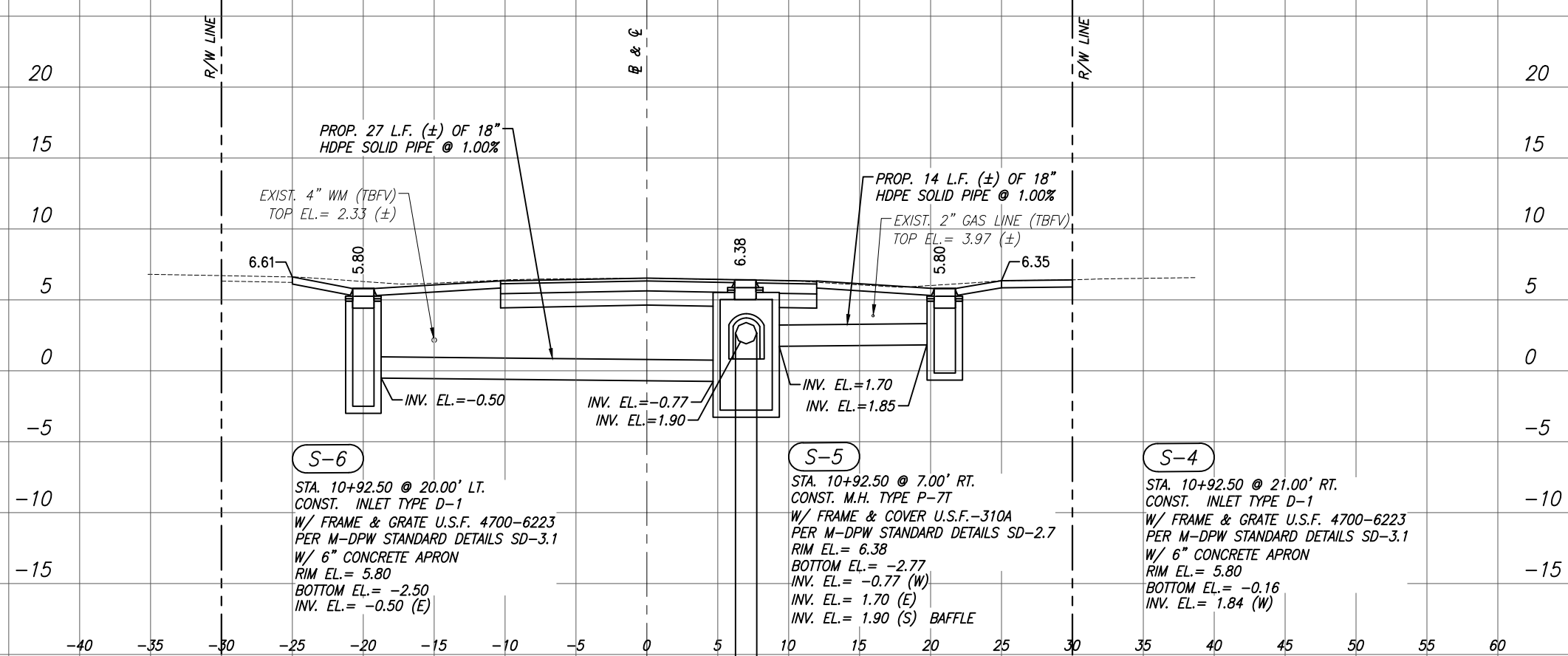
SCALE: AS SHOWN	SHEET: C-8
PROJECT NO.: 2303	
DWG. NO.:	

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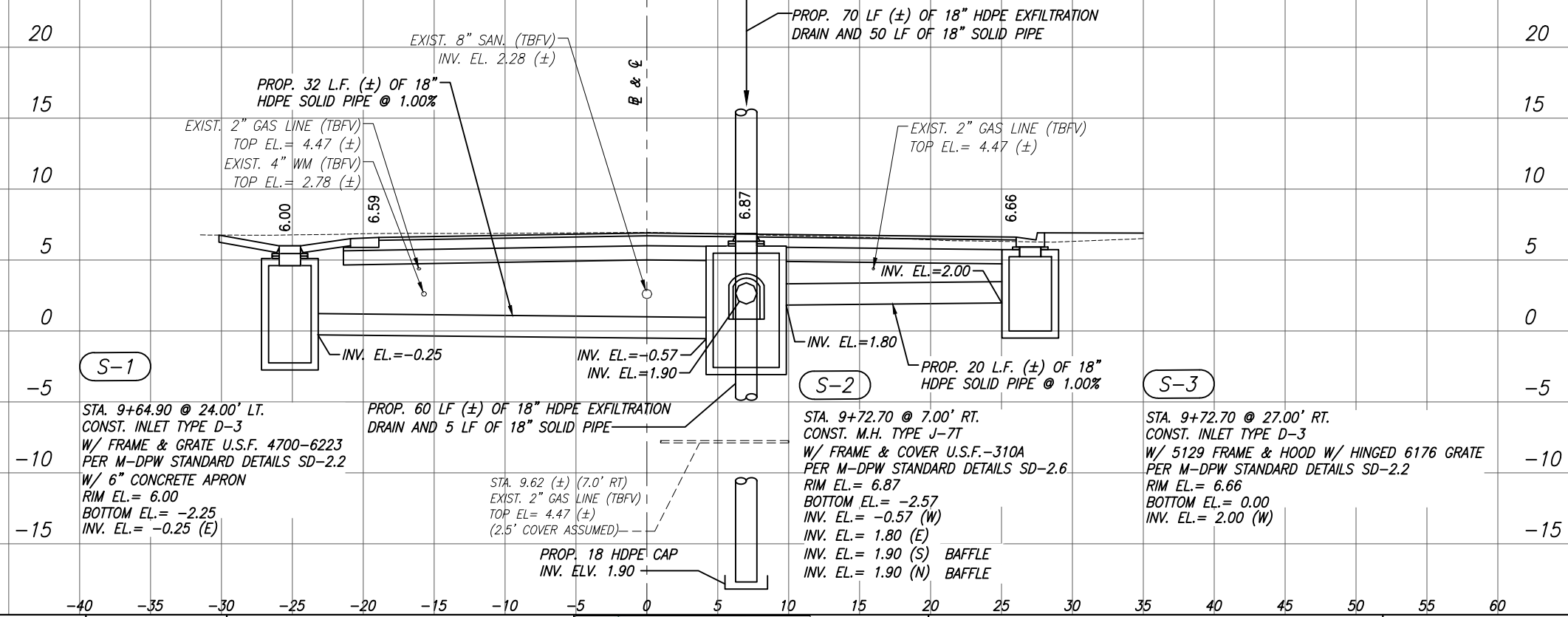
SCALE: 1"=10' (VERT.)
1"=10' (HORI.)

(TBFV) = TO BE FIELD VERIFIED

SW 103rd AVE
STA. 10+92.50



SW 103rd AVE
STA. 9+72.60



NOTE:
1. SPECIAL ATTENTION IS DIRECTED TO THE FACT THAT PORTIONS OF SOME DRAINAGE STRUCTURES EXTEND INTO THE STABILIZED PORTION OF THE ROADBED AND EXTREME CAUTION WILL BE NECESSARY IN STABILIZATION OPERATIONS AT THESE LOCATIONS

File name: F:\Engineering\SRS Projects\2023\2303 - Cutler Bay - Traffic Roundabout\Design\2303_PAGE_9_DRAINAGE SECTION.dwg - Plot Date: 10/24/23

DESIGNED BY:
O.B.
DRAWN BY:
O.B.
CHECKED BY:
J.C.F.
DATE:
10/24/2023

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FAX: (305) 234-4251

TRAFFIC CIRCLE
AT
SW 200th STREET AND
SW 103rd AVENUE

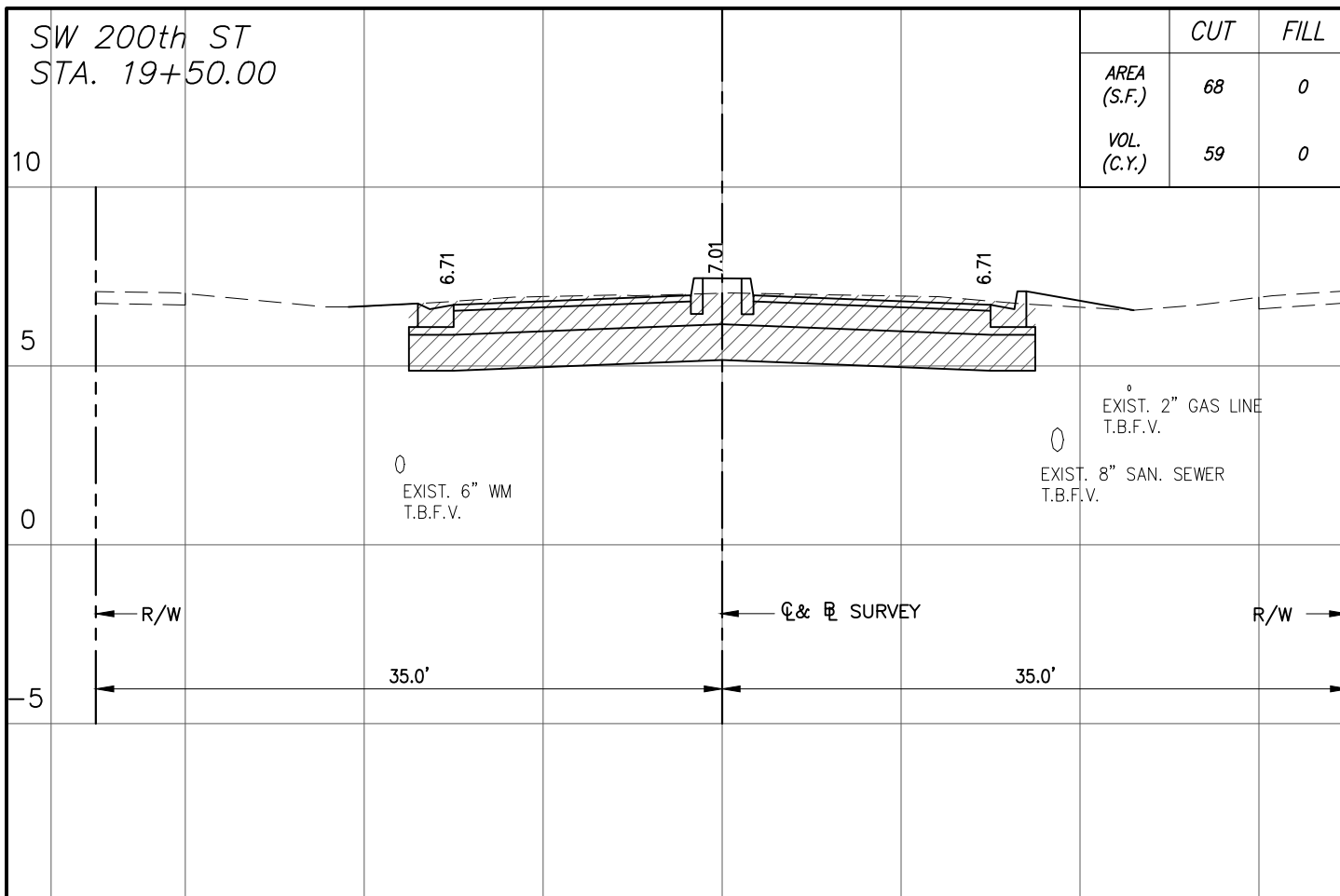
DRAINAGE
CROSS SECTION

SCALE:
AS SHOWN
PROJECT NO.:
2303
DWG. NO.:
SHEET:
C-9

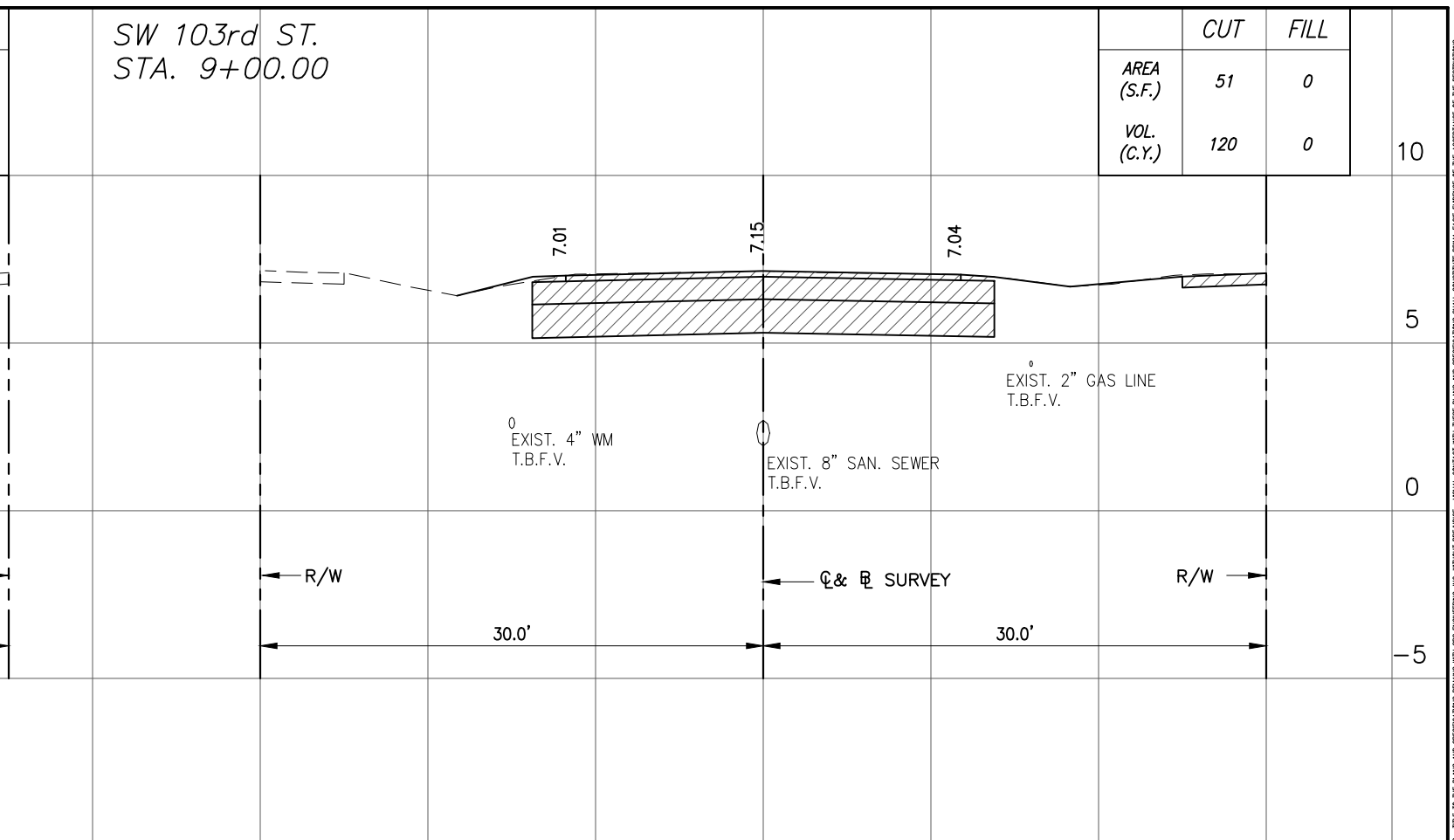
REV.	DATE	BY:	DESCRIPTION

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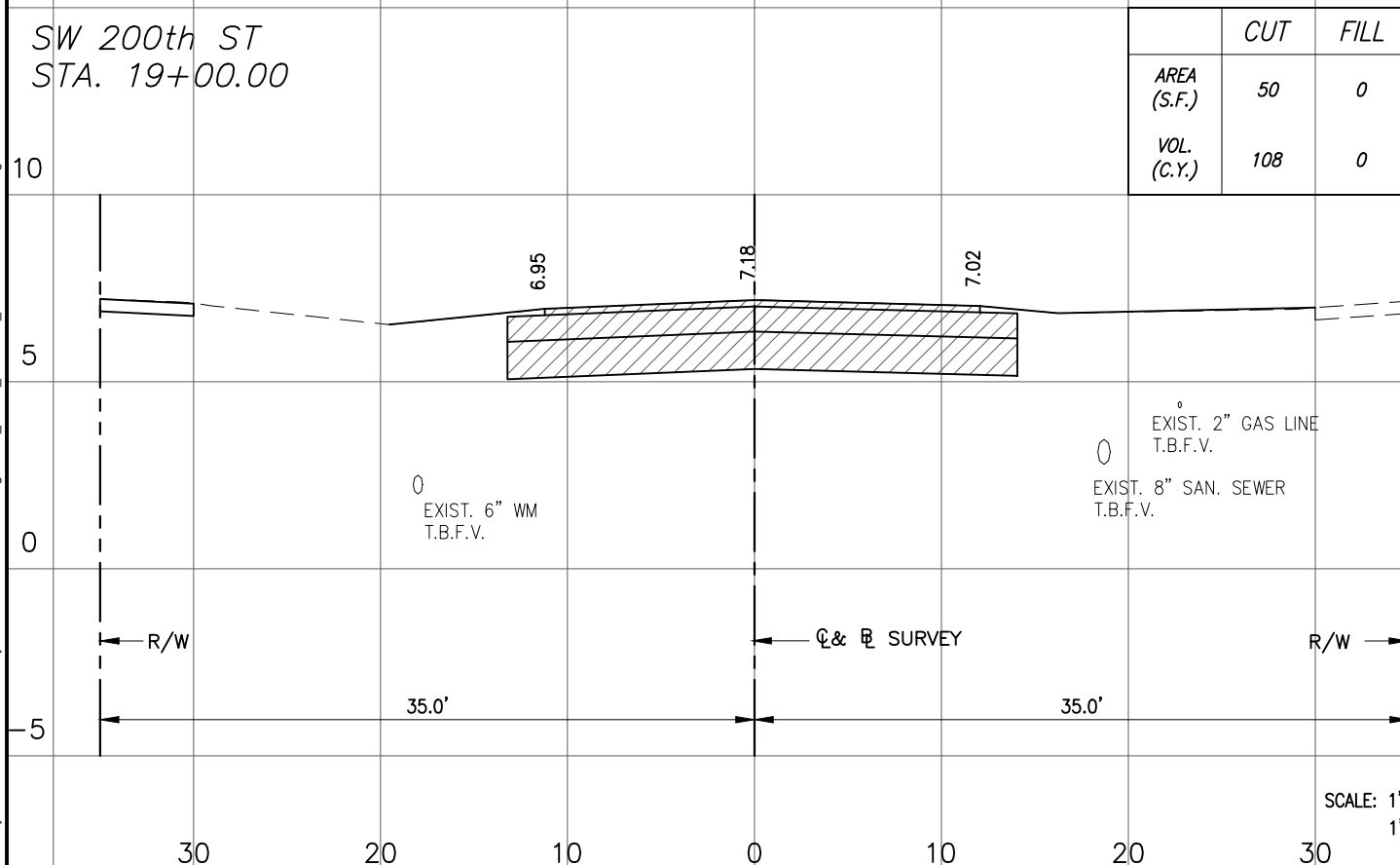
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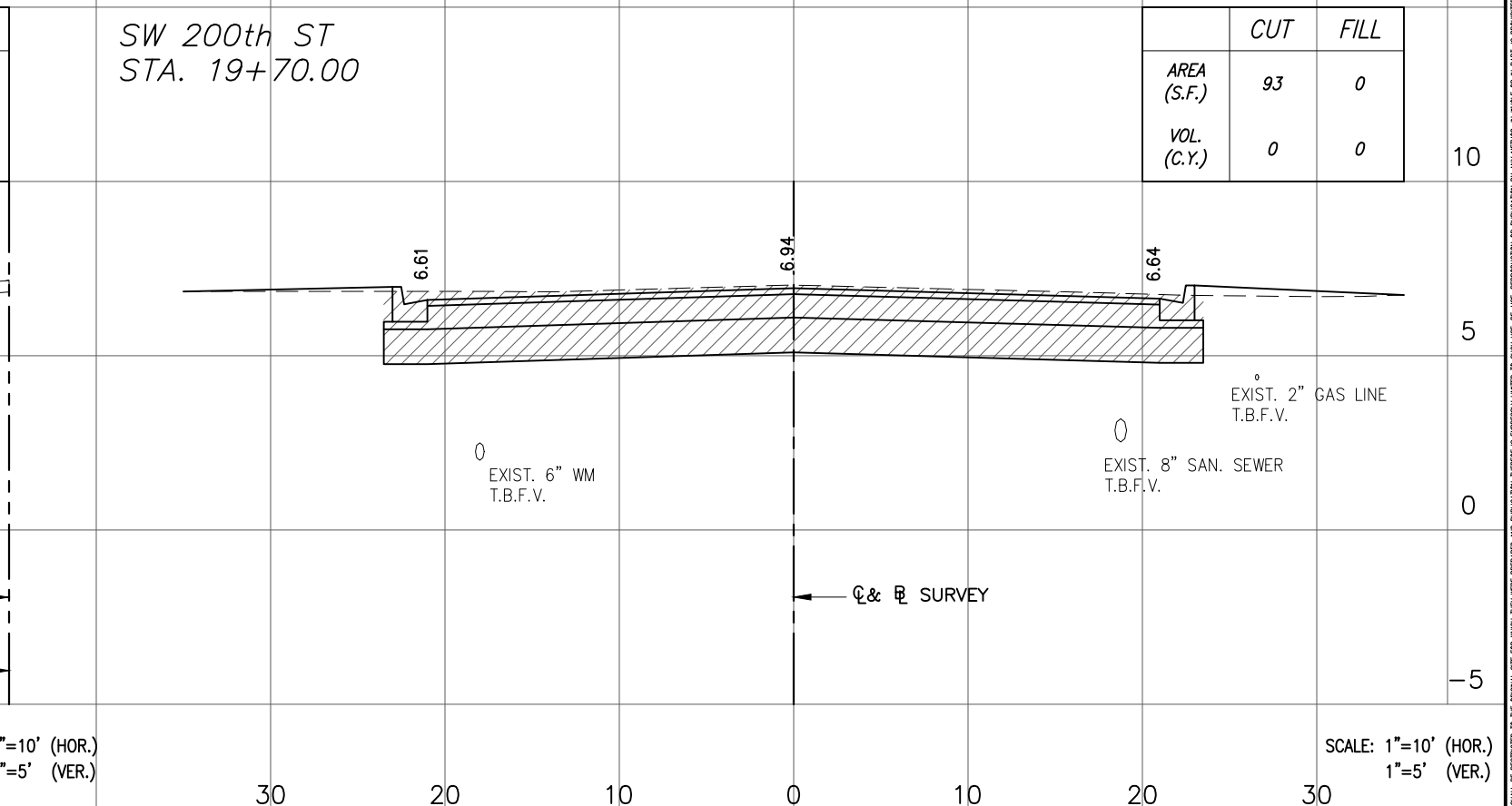
	CUT	FILL
AREA (S.F.)	68	0
VOL. (C.Y.)	59	0



	CUT	FILL
AREA (S.F.)	51	0
VOL. (C.Y.)	120	0



	CUT	FILL
AREA (S.F.)	50	0
VOL. (C.Y.)	108	0



	CUT	FILL
AREA (S.F.)	93	0
VOL. (C.Y.)	0	0

SCALE: 1"=10' (HOR.)
1"=5' (VER.)

SCALE: 1"=10' (HOR.)
1"=5' (VER.)

REV.	DATE	BY:	DESCRIPTION

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DRAWN BY:
O.B.
CHECKED BY:
J.C.F.
DATE:
10/24/2023

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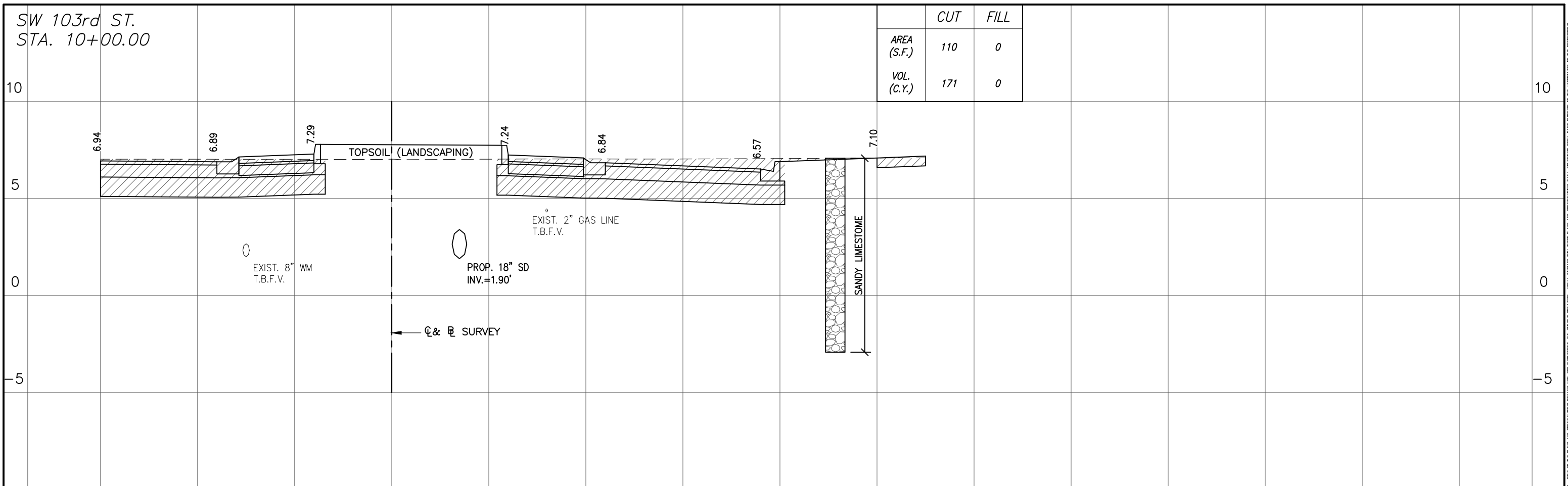
TRAFFIC CIRCLE
AT
SW 200th STREET AND
SW 103rd AVENUE

CROSS SECTIONS

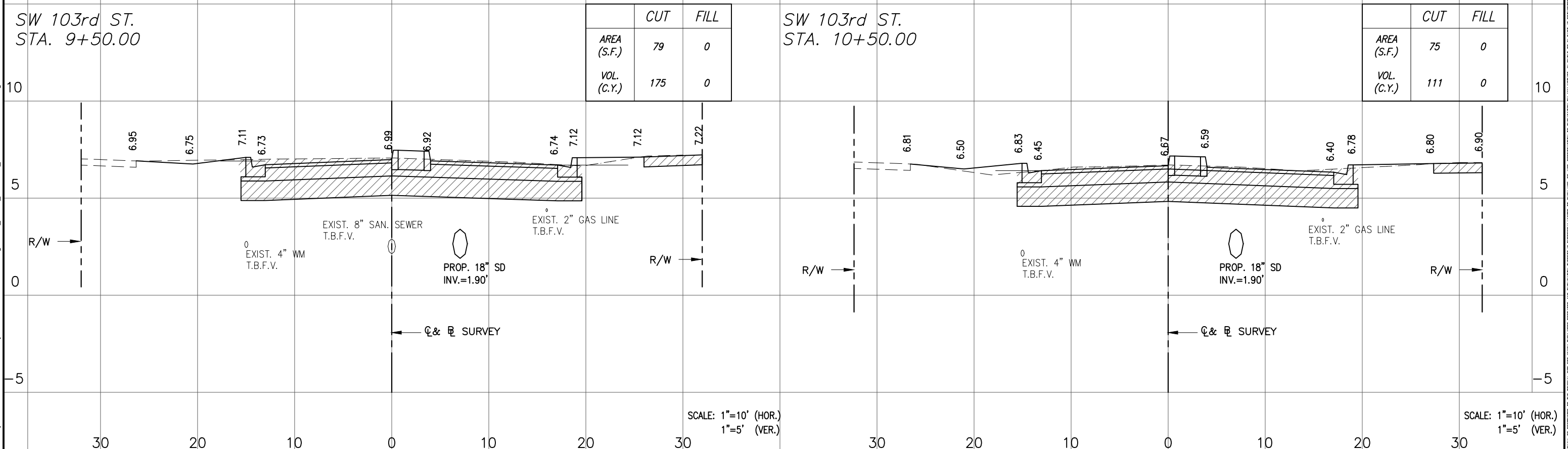
SCALE:
AS SHOWN
PROJECT NO.:
2303
DWG. NO.:
SHEET:
C-10.0

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	<i>CUT</i>	<i>FILL</i>
AREA (S.F.)	110	0
VOL. (C.Y.)	171	0



	<i>CUT</i>	<i>FILL</i>
AREA (S.F.)	79	0
VOL. (C.Y.)	175	0

	<i>CUT</i>	<i>FILL</i>
AREA (S.F.)	75	0
VOL. (C.Y.)	111	0

SCALE: 1"=10' (HOR.)
1"=5' (VER.)

SCALE: 1"=10' (HOR.)
1"=5' (VER.)

REV.	DATE	BY:	DESCRIPTION

DESIGNED BY:
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10/24/2023

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FLORIDA
INCORPORATED 2009

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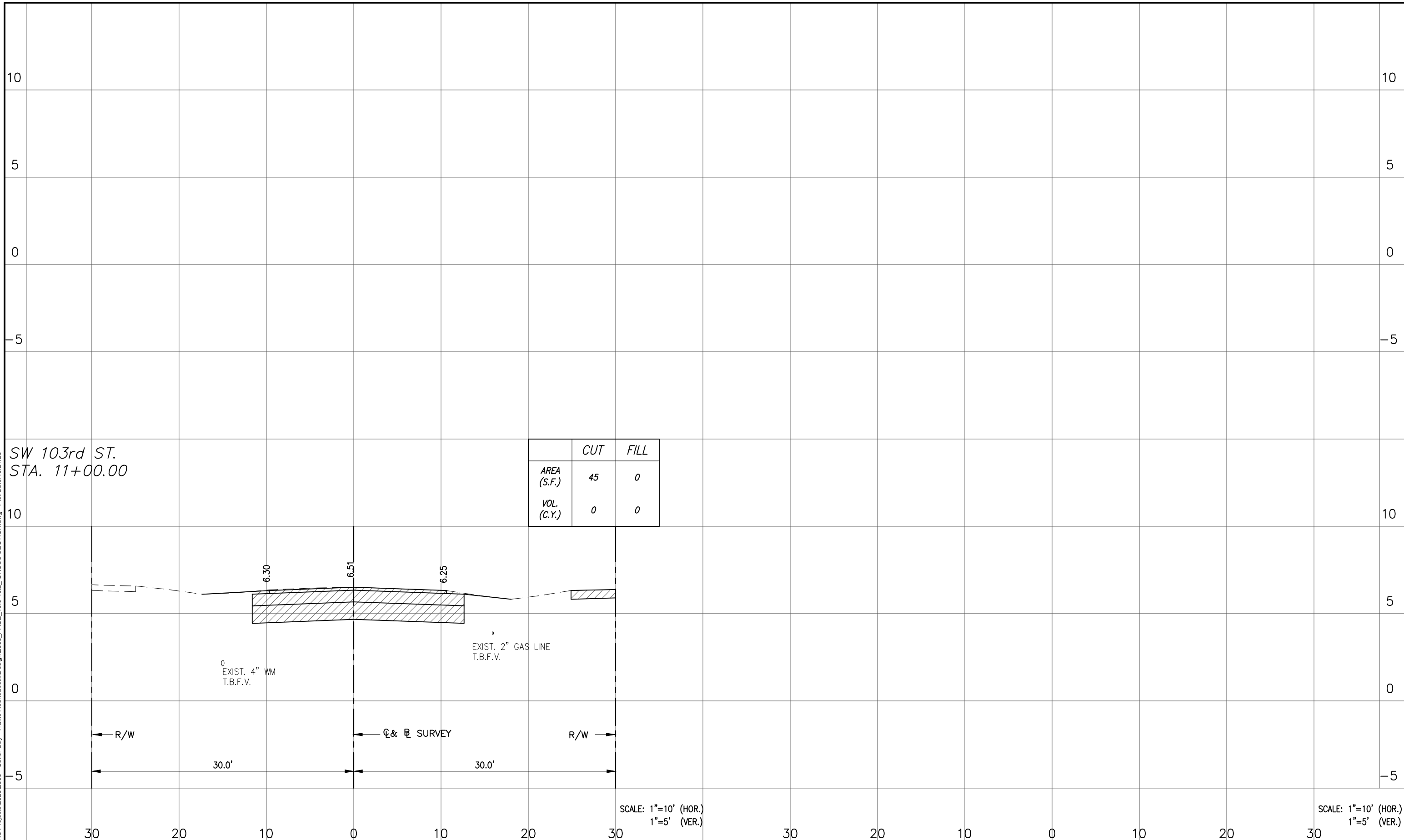
**TRAFFIC CIRCLE
AT
SW 200th STREET AND
SW 103rd AVENUE**

CROSS SECTIONS

SCALE:
AS SHOWN
PROJECT NO.:
2303
DWG. NO.:
SHEET:
C-10.1

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File name: F:\Engineering\SRS Projects\2023\2303 - Cutler Bay - Traffic Roundabout\Design\2303_PAGE_10.0-10.2_CROSS SECTION.dwg - Plot Date: 10/24/23



	CUT	FILL
AREA (S.F.)	45	0
VOL. (C.Y.)	0	0

SCALE: 1"=10' (HOR.)
1"=5' (VER.)

SCALE: 1"=10' (HOR.)
1"=5' (VER.)

REV.	DATE	BY:	DESCRIPTION

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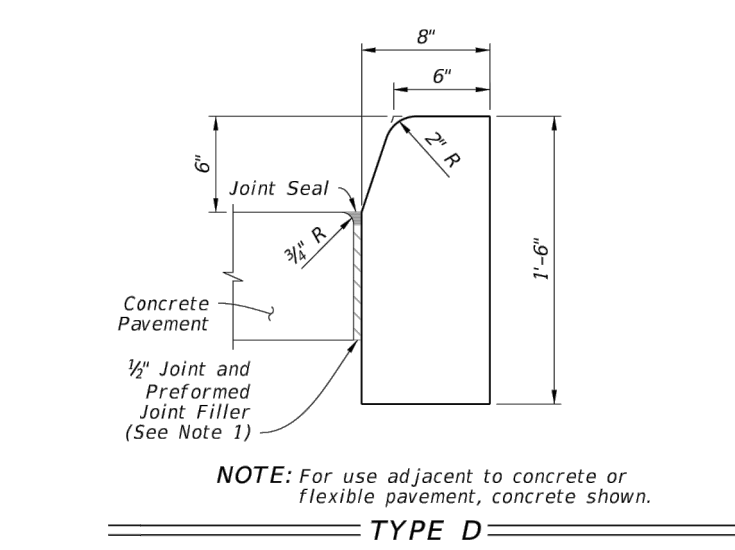
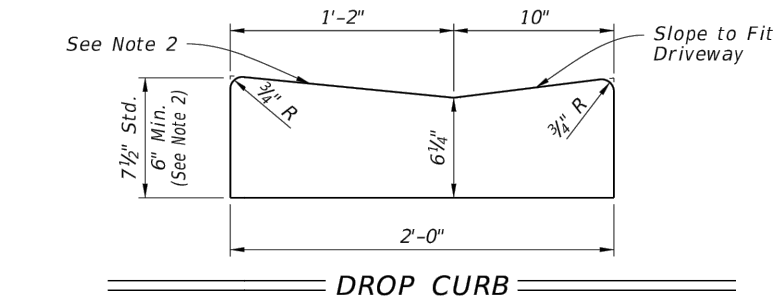
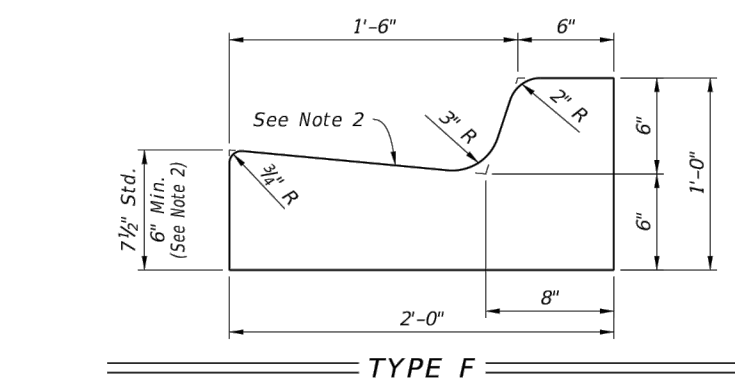
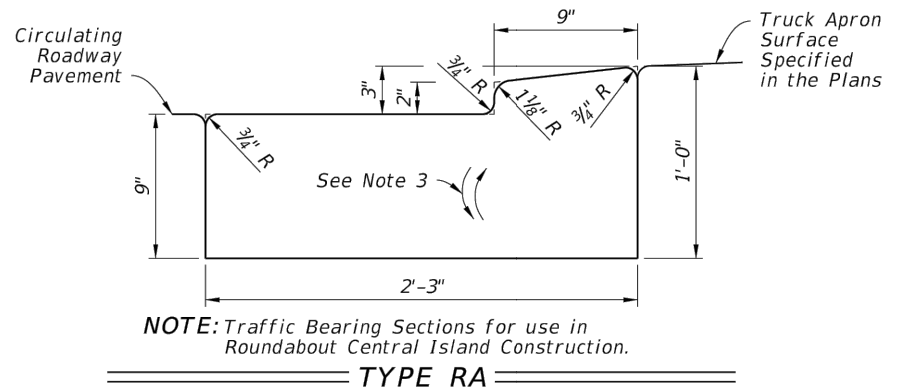
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10720 CARIBBEAN BOULEVARD
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PHONE: (305) 234-4262
FAX: (305) 234-4251

**TRAFFIC CIRCLE
AT
SW 200th STREET AND
SW 103rd AVENUE**

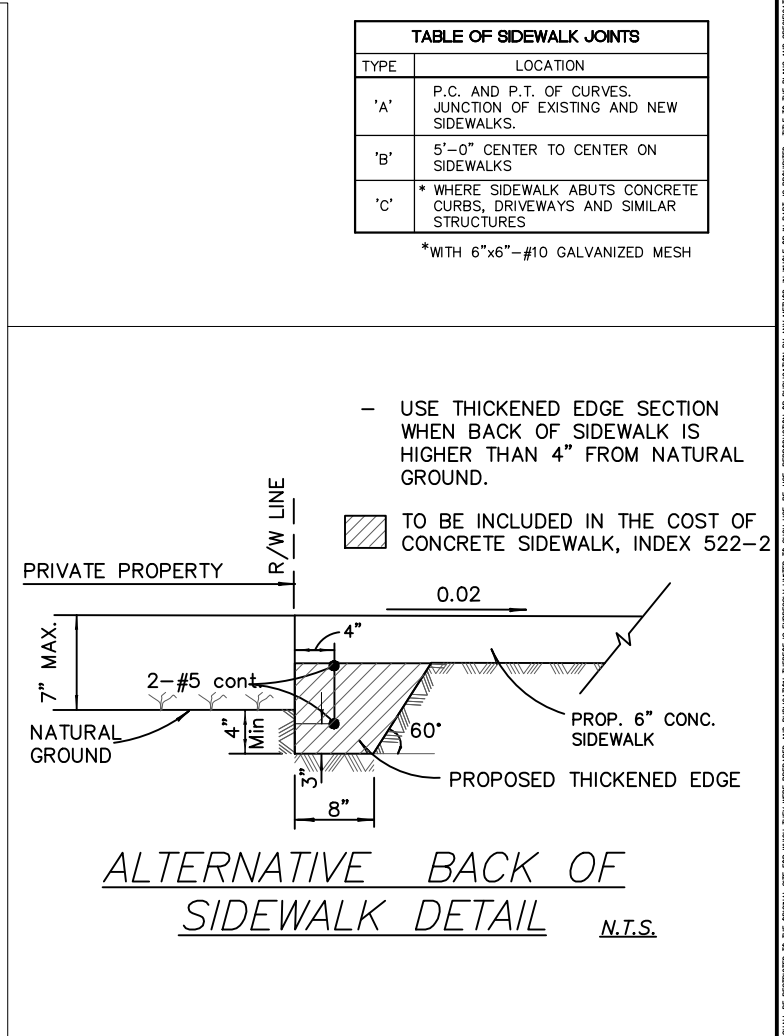
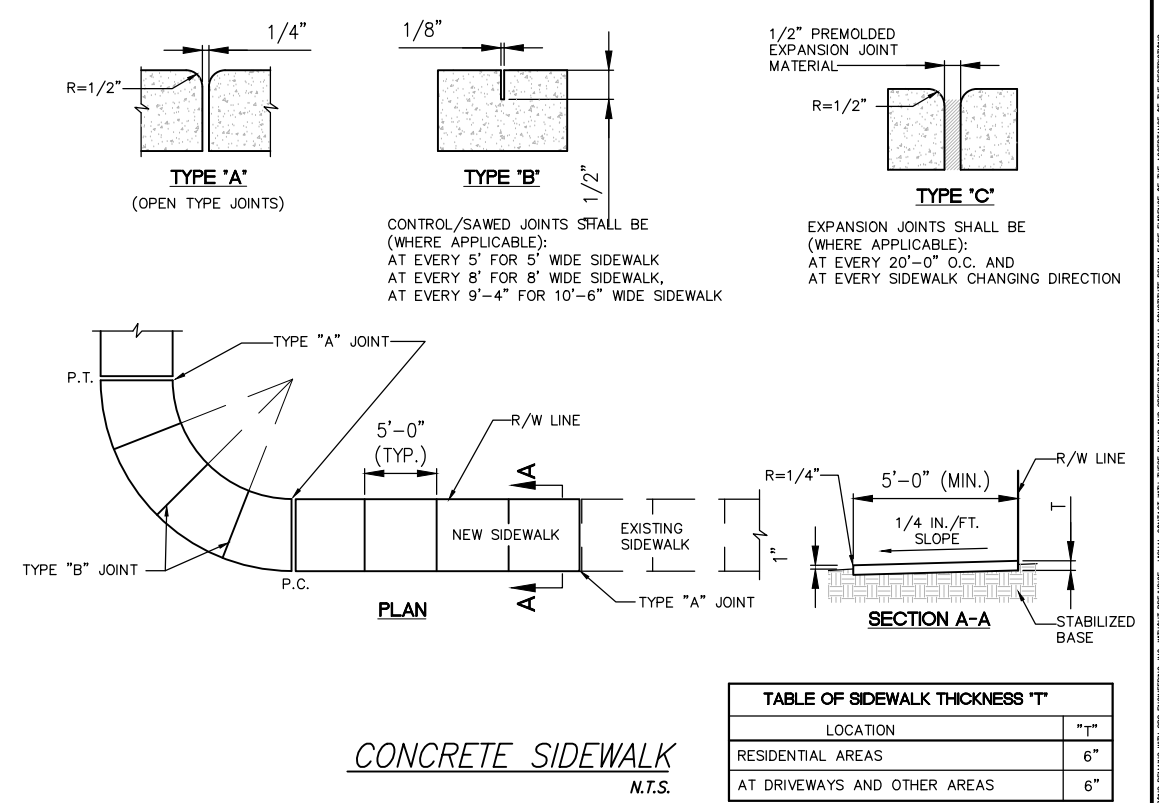
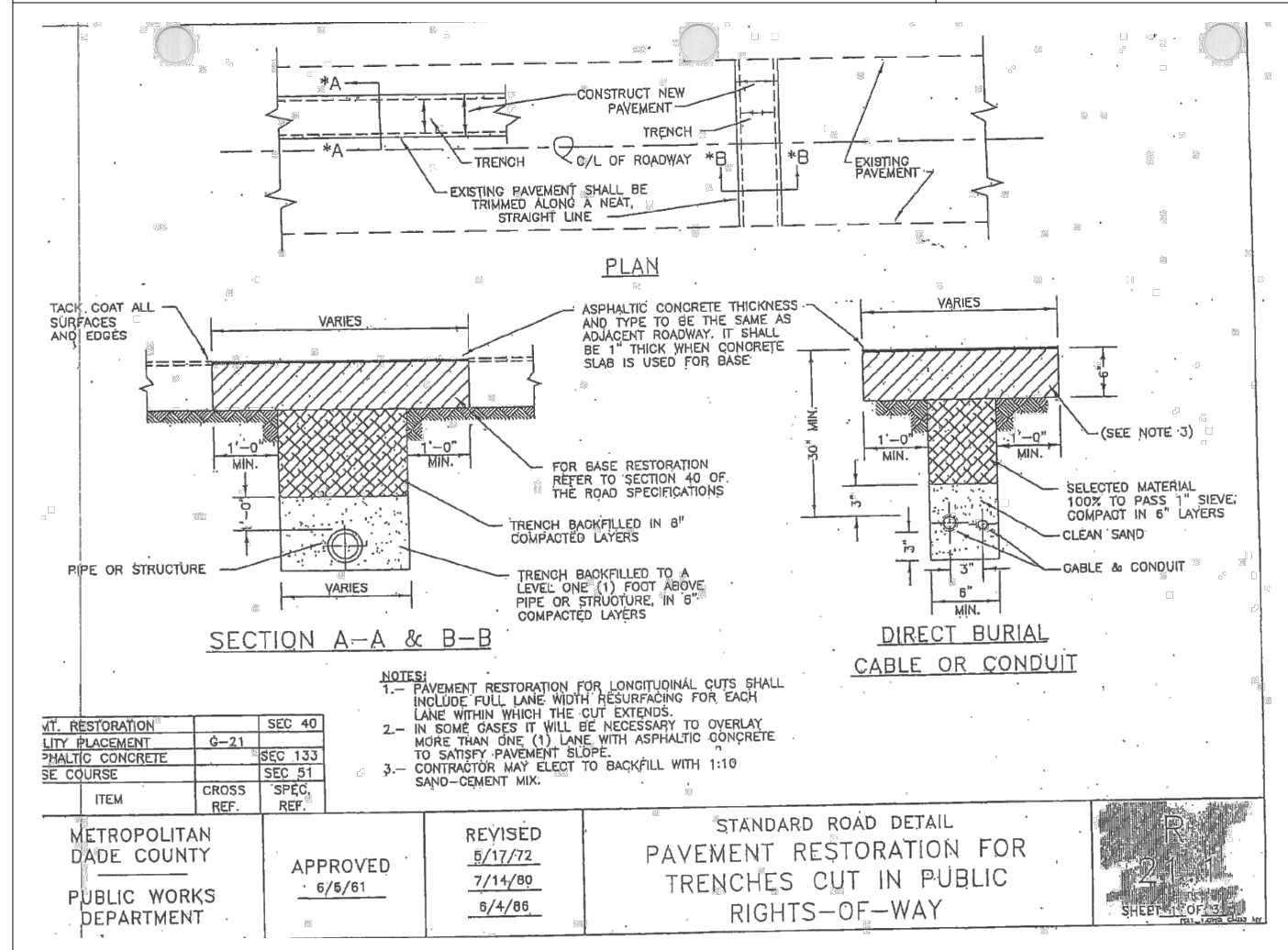
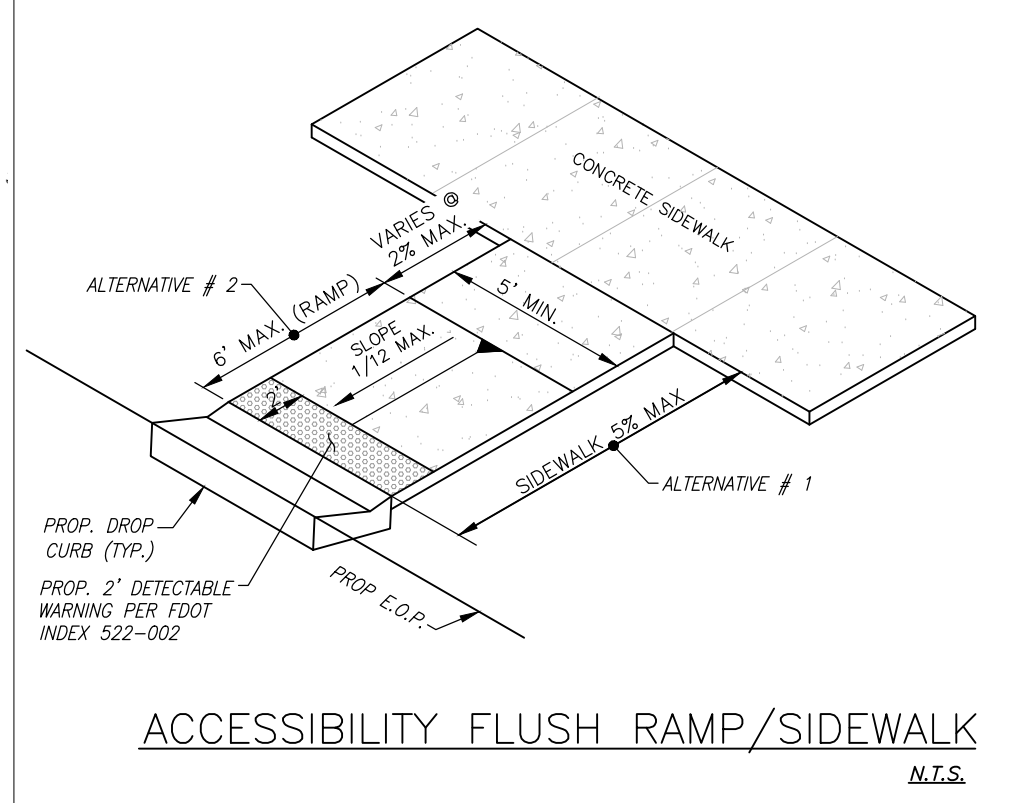
CROSS SECTIONS

SCALE: AS SHOWN
PROJECT NO.: 2303
DWG. NO.: SHEET: C-10.2

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CURB AND GUTTER
FDOT INDEX 520-001 N.T.S.



File: F:\Engineering\SRS Projects\2023\2303 - Cutler Bay - Traffic Roundabout\Design\2303 - PAGE_11-10-11.3 - DETAILS.dwg - Plot Date: 10/24/23

REV.	DATE	BY:	DESCRIPTION

DESIGNED BY: O.B.
 DRAWN BY: O.B.
 CHECKED BY: J.C.F.
 DATE: 10/24/2023

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 INCORPORATED 2003

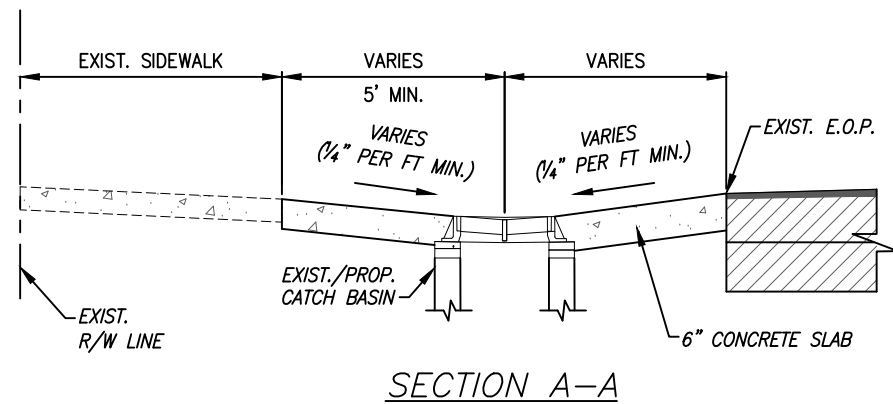
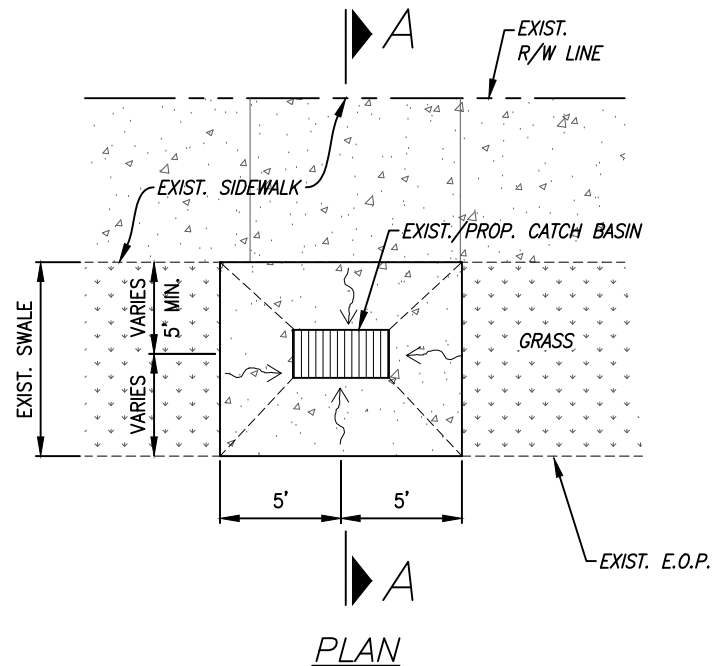
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TRAFFIC CIRCLE
AT
SW 200th STREET AND
SW 103rd AVENUE

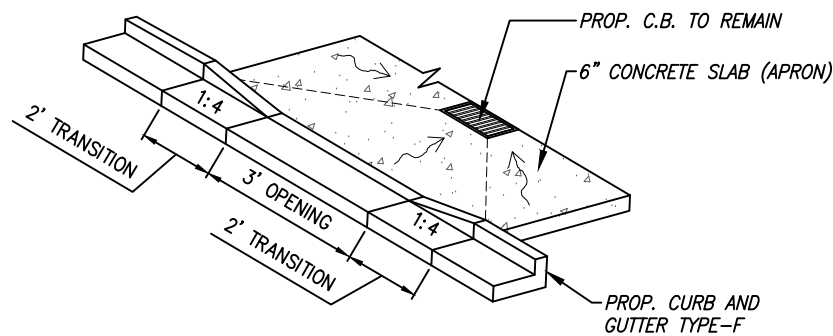
MISCELLANEOUS DETAILS

SCALE: AS SHOWN
 PROJECT NO.: 2303
 DWG. NO.: SHEET: C-11.0

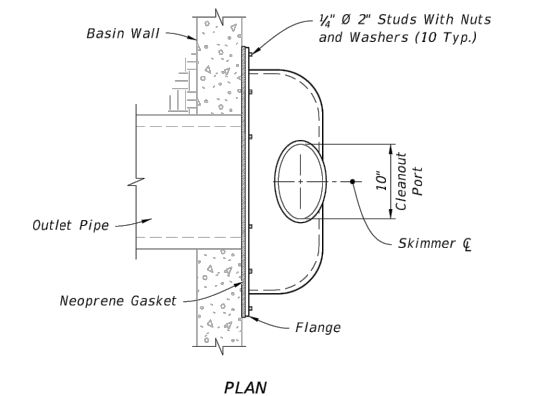
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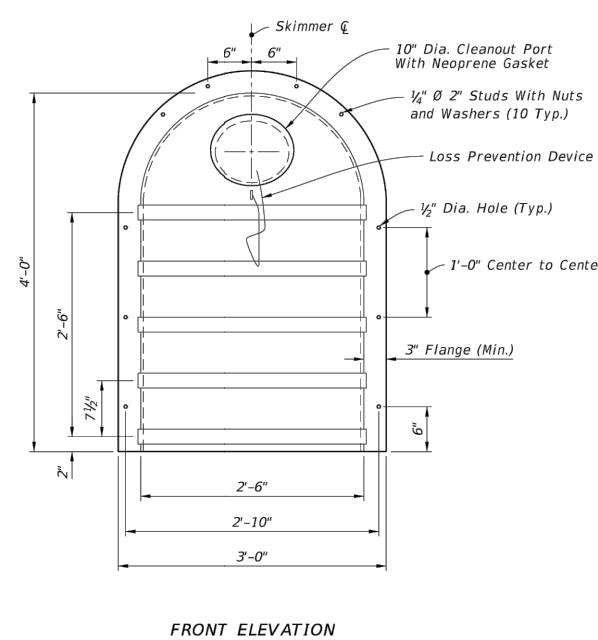
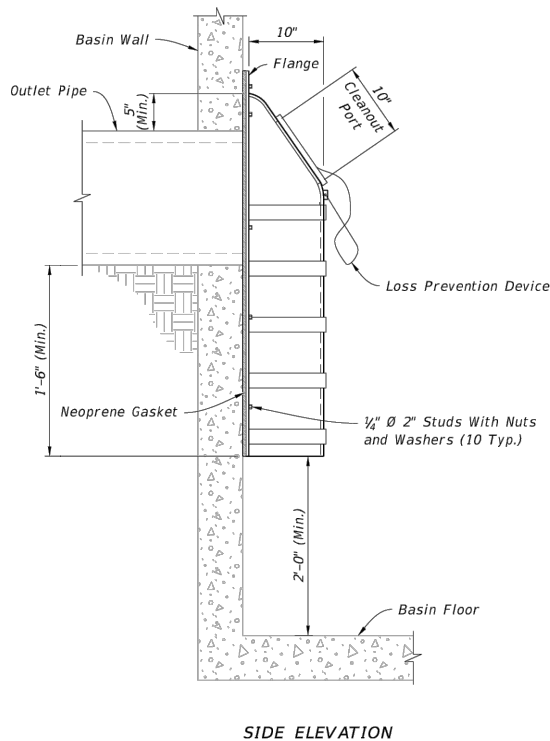
6" CONCRETE APRON DETAIL
N.T.S.



OPEN CURB DETAIL (S-1)
AND TYPICAL END CURB TRANSITION
N.T.S.



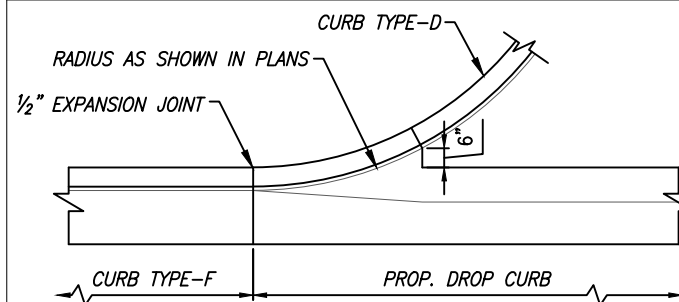
NOTE:
1. Install a gasket for the cleanout with either a threaded screw-in lid or a lid secured by four stainless steel quick-release latches.



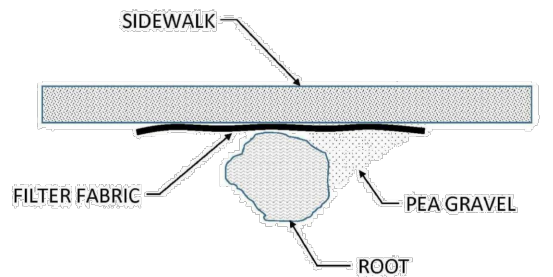
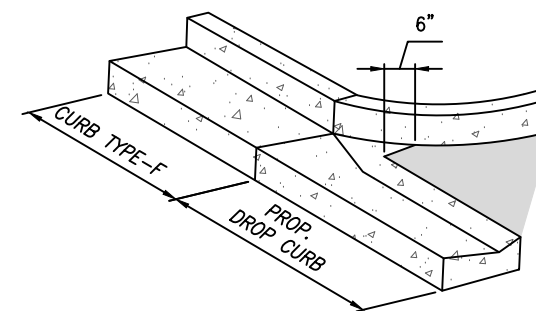
SIDE ELEVATION

TYPE II DETAILS

BAFFLE DETAIL (FDOT INDEX 443-002)
N.T.S.



DRIVEWAY TYPICAL CURB TRANSITION DETAIL
N.T.S.



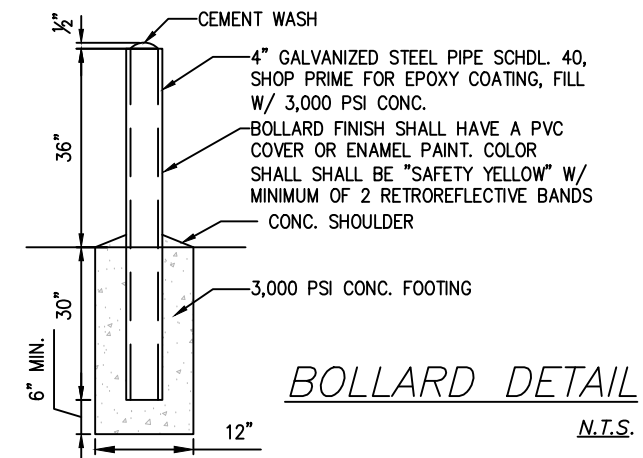
Sidewalk to maintain a standard thickness of 4 inches (6 inches at driveways). Reinforce with #3 welded wire fabric and avoid construction/expansion joints within 2 feet of shallow roots. Cover shallow roots with a 2 foot wide section of filter fabric prior to concrete pour.

Sidewalk cross slope is not to exceed 2% cross slope and 5% in the direction of travel.

Where fill material is necessary adjacent to shallow or exposed roots place 3/8 inch pea gravel (rounded edge).

No cutting or pruning of the root system of street tree without the review and consent of the Public Works Department.

ROOT BARRIER N.T.S.



LATTICE PAVER DRIVEWAY DETAIL
N.T.S.

File name: F:\Engineering\SRS Projects\2023\2303 - Cutler Bay - Traffic Roundabout\Design\2303 - PAGE_11-0-11.3 - DETAILS.dwg - Plot Date: 10/24/2023

REV.	DATE	BY:	DESCRIPTION

DESIGNED BY: O.B.	SEAL:
DRAWN BY: O.B.	
CHECKED BY: J.C.F.	
DATE: 10/24/2023	

--	--

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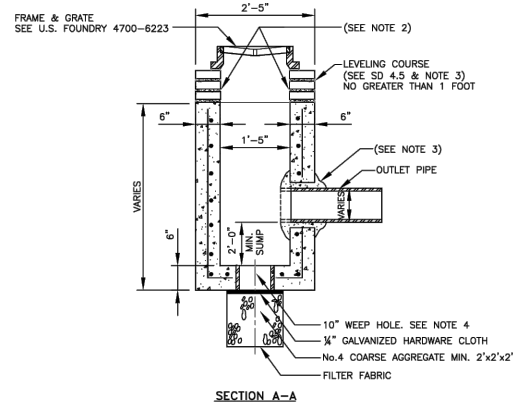
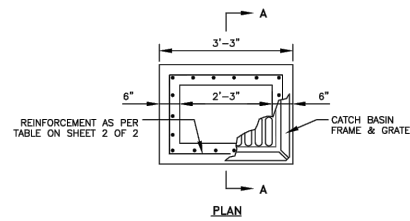
TRAFFIC CIRCLE
AT
SW 200th STREET AND
SW 103rd AVENUE

MISCELLANEOUS DETAILS

SCALE: AS SHOWN	PROJECT NO.: 2303
DWG. NO.:	SHEET: C-11.1

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File: F:\Engineering\SRS Projects\2023\2303 - Cutler Bay - Traffic Roundabout\Design\2303 - PAGE_11-0-11.3 - DETAILS.dwg - Plot Date: 10/24/23

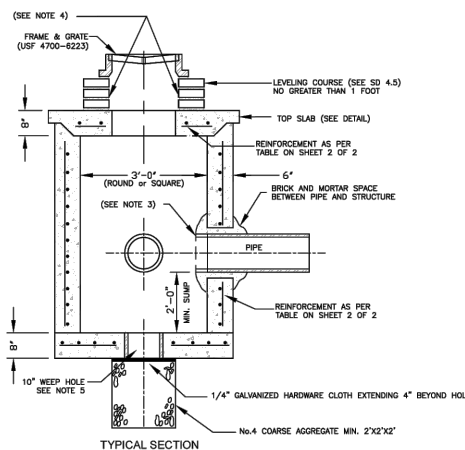
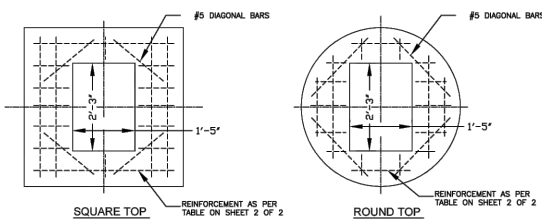


- NOTES:**
- 1.-PIPES MAY EXTEND INTO CATCH BASIN A MAXIMUM OF 4".
 - 2.-USE 4,000 psi CONCRETE. (MINIMUM), MAXIMUM W/C=0.53, GRADE 60 STEEL FOR REBAR AND GRADE 65 FOR WWF.
 - 3.-A SMOOTH LINE OF MORTAR 1/2" THICK INSIDE AND OUTSIDE.
 - 4.-WEEP HOLES ARE TO BE USED WHEN THE YEARLY LOWEST WATER ELEVATION IS ABOVE THE TOP OF THE BOTTOM SLAB OF THE STRUCTURE.
 - 5.-THIS STRUCTURE IS ONLY TO BE USED WHERE UTILITY CONFLICTS DO NOT ALLOW FOR INSTALLATION OF STANDARD STRUCTURES. THE INSTALLATION OF THIS STRUCTURE MUST BE APPROVED BY THE DEPARTMENT.

MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
 APPROVED 5/9/2018
 REVISED 5/9/2018
 STANDARD STORM DRAINAGE DETAIL
SWALE INLET (TYPE D-1)
SD 3.1
 SHEET 1 OF 2

RECTANGULAR BOX										
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
3.1	1.42	2.25	0 - 5.0	6"	#4@10"H #4@10"V	N/A	N/A	6"	#4@12"E.W.	6"
3.1	1.42	2.25	5.1 - 10.0	6"	#4@10"H #4@10"V	N/A	N/A	6"	#4@12"E.W.	N/A
3.1	1.42	2.25	10.1 - 15.0	6"	#4@5"H #4@10"V	N/A	N/A	8"	#4@12"E.W.	N/A

MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
 APPROVED 5/9/2018
 REVISED 5/9/2018
 STANDARD STORM DRAINAGE DETAIL
SWALE INLET (TYPE D-1)
SD 3.1
 SHEET 2 OF 2



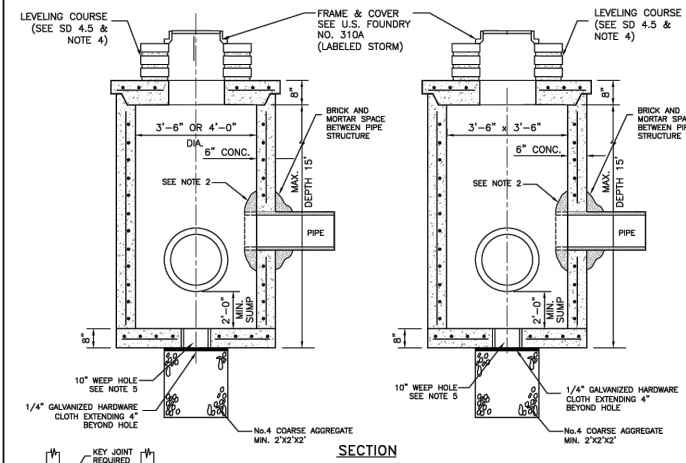
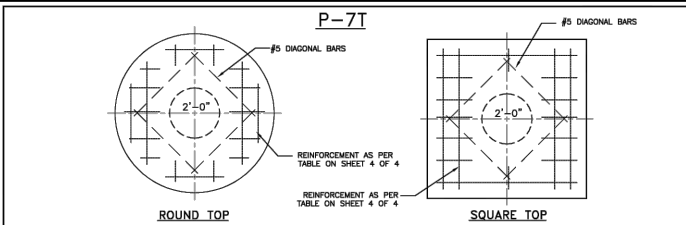
- NOTES:**
- 1.- CAST TOP SLAB TO FIT WALL USED.
 - 2.- USE 4,000 psi CONCRETE. (MINIMUM), MAXIMUM W/C=0.53, GRADE 60 STEEL FOR REBAR AND GRADE 65 FOR WWF.
 - 3.- PIPES MAY EXTEND INTO CATCH BASIN A MAXIMUM OF 4".
 - 4.- APPLY A SMOOTH LINE OF MORTAR 1/2" THICK INSIDE AND OUTSIDE.
 - 5.- WEEP HOLES ARE TO BE USED WHEN THE YEARLY LOWEST WATER ELEVATION IS ABOVE THE TOP OF THE BOTTOM SLAB OF THE STRUCTURE.

MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
 APPROVED 5/9/2018
 REVISED 5/9/2018
 STANDARD STORM DRAINAGE DETAIL
PRECAST CATCH BASIN (D-3)
SD 2.2
 SHEET 1 OF 2

SQUARE STRUCTURE									
Standard Detail	Width (ft)	Length (ft)	Height (ft)	Wall Thickness (in)	Wall Steel	Top Slab Thickness (in)	Top Slab Steel	Bottom Slab Thickness (in)	Bottom Slab Steel
2.2	3	3	0.0 - 5.0	6	#4@10"H #4@10"V	8	#4@5"E.W.	8	#4@10"E.W.
2.2	3	3	5.1 - 10.0	6	#4@7.5"H #4@10"V	8	#4@5"E.W.	8	#4@10"E.W.
2.2	3	3	10.1 - 15.0	6	#5@7.5"H #4@10"V	8	#4@5"E.W.	8	#4@10"E.W.

ROUND STRUCTURE								
Standard Detail	Dia. (ft)	Height (ft)	Wall Thickness (in)	Wall Steel	Top Slab Thickness (in)	Top Slab Steel	Bottom Slab Thickness (in)	Bottom Slab Steel
2.2	3	0.0 - 5.0	6	8 X 8 W20 #4@10"E.W.	8	#4@5"E.W.	8	#4@10"E.W.
2.2	3	5.1 - 15.0	6	8 X 8 W20 #4@10"E.W.	8	#4@5"E.W.	8	#4@10"E.W.

MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
 APPROVED 5/9/2018
 REVISED 5/9/2018
 STANDARD STORM DRAINAGE DETAIL
PRECAST CATH BASIN (TYPE D-3)
SD 2.2
 SHEET 2 OF 2



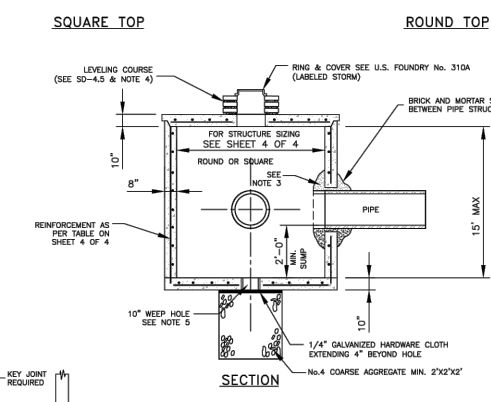
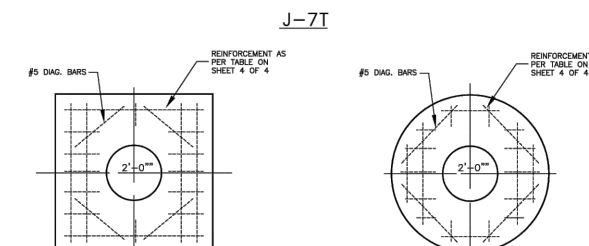
- NOTES:**
- 1.- CAST TOP SLAB TO FIT WALL USED.
 - 2.- PIPES MAY EXTEND INTO CATCH BASIN A MAXIMUM OF 4".
 - 3.- USE 4,000 psi CONCRETE. (MINIMUM), MAXIMUM W/C=0.53, GRADE 60 STEEL FOR REBAR AND GRADE 65 FOR WWF.
 - 4.- A SMOOTH LINE OF MORTAR 1/2" THICK INSIDE AND OUTSIDE.
 - 5.- WEEP HOLES ARE TO BE USED WHEN THE YEARLY LOWEST WATER ELEVATION IS ABOVE THE TOP OF THE BOTTOM SLAB OF THE STRUCTURE.

MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
 APPROVED 5/9/2018
 REVISED 5/9/2018
 STANDARD STORM DRAINAGE DETAIL
MANHOLE AND INLET (TYPE P)
SD 2.7
 SHEET 1 OF 4

SQUARE STRUCTURE									
Standard Detail	Width (ft)	Length (ft)	Height (ft)	Wall Thickness (in)	Wall Steel	Top Slab Thickness (in)	Top Slab Steel	Bottom Slab Thickness (in)	Bottom Slab Steel
2.7	3.5	3.5	0.0 - 5.0	6.0	#4@10"H #4@10"V	8.0	#4@7"E.W.	8.0	#4@10"E.W.
2.7	3.5	3.5	5.1 - 10.0	6.0	#4@9"H #4@10"V	8.0	#4@6"E.W.	8.0	#4@10"E.W.
2.7	3.5	3.5	10.1 - 15.0	6.0	#5@10"H #4@10"V	8.0	#4@6.5"E.W.	8.0	#4@10"E.W.

ROUND STRUCTURE									
Standard Detail	Dia. (ft)	Height (ft)	Wall Thickness (in)	Wall Steel	Top Slab Thickness (in)	Top Slab Steel	Bottom Slab Thickness (in)	Bottom Slab Steel	
2.7	3.5	4.0	0.0 - 5.0	6.0	8 X 8 W20 or #4@10"E.W.	8.0	#4@7"E.W.	8.0	#4@10"E.W.
2.7	3.5	4.0	5.1 - 10.0	6.0	8 X 8 W20 or #4@10"E.W.	8.0	#4@6"E.W.	8.0	#4@10"E.W.
2.7	3.5	4.0	10.1 - 15.0	6.0	8 X 8 W20 or #4@10"E.W.	8.0	#4@6.5"E.W.	8.0	#4@10"E.W.

MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
 APPROVED 5/9/2018
 REVISED 5/9/2018
 STANDARD STORM DRAINAGE DETAIL
MANHOLE AND INLET (TYPE P)
SD 2.7
 SHEET 4 OF 4



- NOTES:**
- 1.- CAST TOP SLAB TO FIT WALL USED.
 - 2.- USE 4,000 psi CONCRETE. (MINIMUM), MAXIMUM W/C=0.53, GRADE 60 STEEL FOR REBAR AND GRADE 65 FOR WWF.
 - 3.- PIPES MAY EXTEND INTO CATCH BASIN A MAXIMUM OF 4".
 - 4.- APPLY A SMOOTH LINE OF MORTAR 1/2" THICK INSIDE AND OUTSIDE.
 - 5.- WEEP HOLES ARE TO BE USED WHEN THE YEARLY LOWEST WATER ELEVATION IS ABOVE THE TOP OF THE BOTTOM SLAB OF THE STRUCTURE.

MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
 APPROVED 5/9/2018
 REVISED 5/9/2018
 STANDARD STORM DRAINAGE DETAIL
MANHOLE AND INLET (TYPE J)
SD 2.6
 SHEET 1 OF 4

SQUARE STRUCTURE									
Standard Detail	Width (ft)	Length (ft)	Height (ft)	Wall Thickness (in)	Wall Steel	Top Slab Thickness (in)	Top Slab Steel	Bottom Slab Thickness (in)	Bottom Slab Steel
2.6	8	8	0.0 - 5.0	8	#4@7"H #4@10"V	10	#6@6"E.W.	10	#5@8.5"E.W.
2.6	8	8	5.1 - 10.0	8	#6@7.5"H #4@10"V	10	#6@6"E.W.	10	#5@8.5"E.W.
2.6	8	8	10.1 - 15.0	8	#7@7"H #4@10"V	10	#6@6"E.W.	10	#5@8.5"E.W.

ROUND STRUCTURE									
Standard Detail	Dia. (ft)	Height (ft)	Wall Thickness (in)	Wall Steel	Top Slab Thickness (in)	Top Slab Steel	Bottom Slab Thickness (in)	Bottom Slab Steel	
2.6	5	7	0.0 - 5.0	8	8 X 8 W20 or #4@10"E.W.	10	#6@6"E.W.	10	#5@8.5"E.W.
2.6	5	7	5.1 - 10.0	8	8 X 8 W20 or #4@10"E.W.	10	#6@6"E.W.	10	#5@8.5"E.W.
2.6	5	7	10.1 - 15.0	8	8 X 8 W20 or #4@10"E.W.	10	#6@6"E.W.	10	#5@8.5"E.W.

MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
 APPROVED 5/9/2018
 REVISED 5/9/2018
 STANDARD STORM DRAINAGE DETAIL
MANHOLE AND INLET (TYPE J)
SD 2.6
 SHEET 4 OF 4

DESIGNED BY: O.B.
 DRAWN BY: O.B.
 CHECKED BY: J.C.F.
 DATE: 10/24/2023

SEAL:



TRAFFIC CIRCLE AT SW 200th STREET AND SW 103rd AVENUE

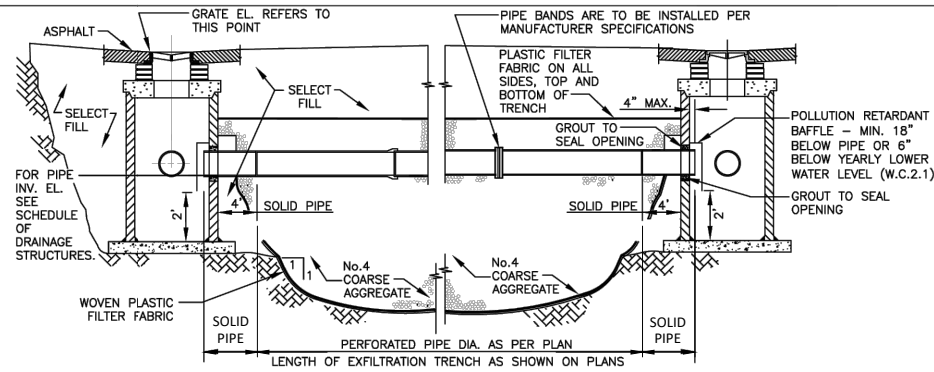
MISCELLANEOUS DETAILS

SCALE: AS SHOWN
 PROJECT NO.: 2303
 DWG. NO.: SHEET: C-11.2

REV.	DATE	BY:	DESCRIPTION

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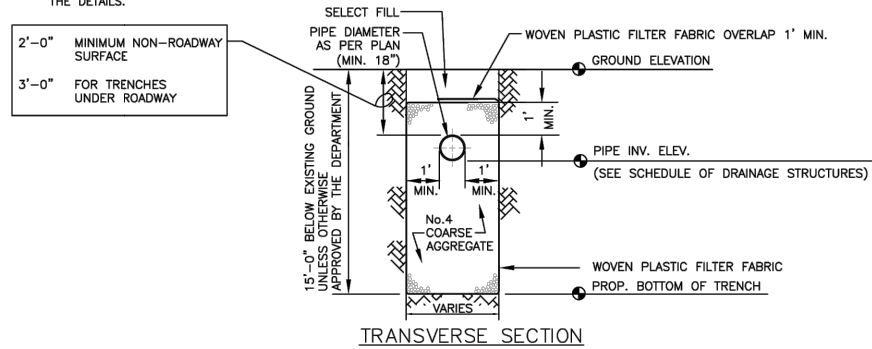
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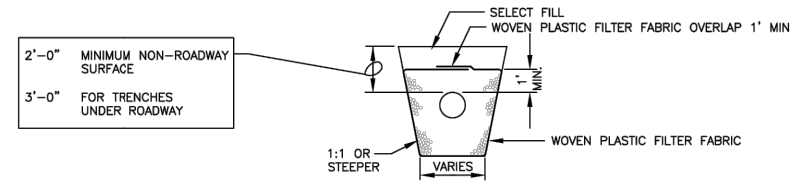
LONGITUDINAL SECTION

NOTE

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



TRANSVERSE SECTION



ALT. TRANS. SECTION*

* MAY BE USED IN AREAS WHERE TRENCH WALLS WILL NOT STAND VERTICAL, OR WHERE CAVE-IN BELOW THE WATER TABLE IS LIKELY TO OCCUR. TO BE USED AT THE ENGINEER'S DISCRETION.

NOTES (CONTINUED ON NEXT PAGE)

1. PLASTIC FILTER FABRIC SHALL BE WOVEN MONOFILAMENT POLYPROPYLENE GEOTEXTILE. PERMITTIVITY SHALL BE GREATER THAN 0.50 SEC AND FLOW RATE GREATER OR EQUAL TO 50 gal/min.
2. MAXIMUM EXFILTRATION RATE WHICH CAN BE USED IN CALCULATING FRENCH DRAIN LENGTH IS 0.1 cfs/ft.

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
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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.

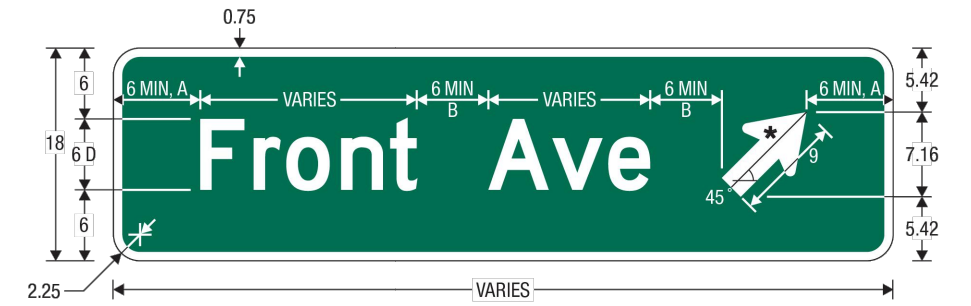
MINIMUM NUMBER OF PERFORATION IN PIPE CULVERTS

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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D1-1d
CIRCULAR INTERSECTION EXIT DESTINATION (1 LINE)
COLORS: LEGEND, BORDER - WHITE (RETROREFLECTIVE)
BACKGROUND - GREEN (RETROREFLECTIVE)

TYPICAL DESIGN GUIDE FOR D1-1d STREET NAME SIGN PER MUTCD

N.T.S.

DESIGNED BY: O.B.	SEAL:
DRAWN BY: O.B.	
CHECKED BY: J.C.F.	
DATE: 10/24/2023	

SRS ENGINEERING INC.
CONSULTING ENGINEERS
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 FLORIDA
INCORPORATED 2003
CUTLER BAY TOWN HALL
10720 CARIBBEAN BOULEVARD
CUTLER BAY, FL 33189
PHONE: (305) 234-4262
FAX: (305) 234-4251

TRAFFIC CIRCLE
AT
SW 200th STREET AND
SW 103rd AVENUE

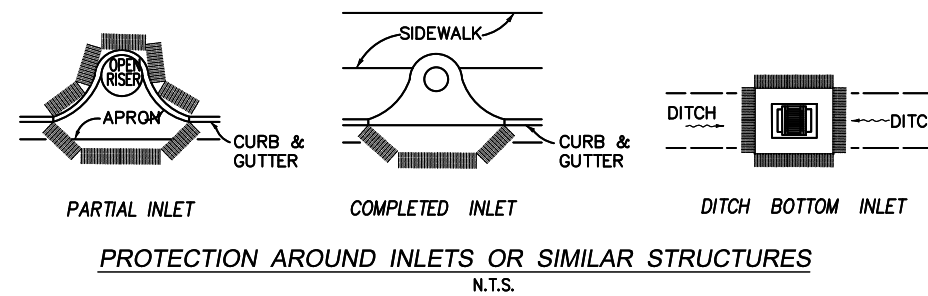
MISCELLANEOUS DETAILS

SCALE: AS SHOWN
PROJECT NO.: 2303
DWG. NO.:
SHEET: C-11.3

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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.

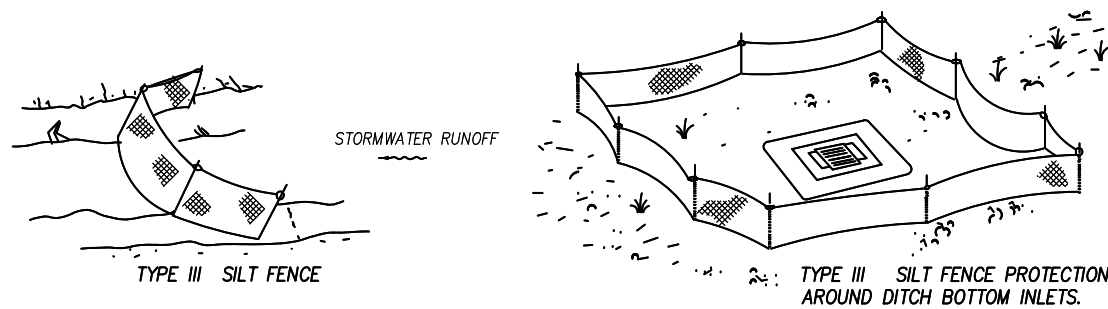
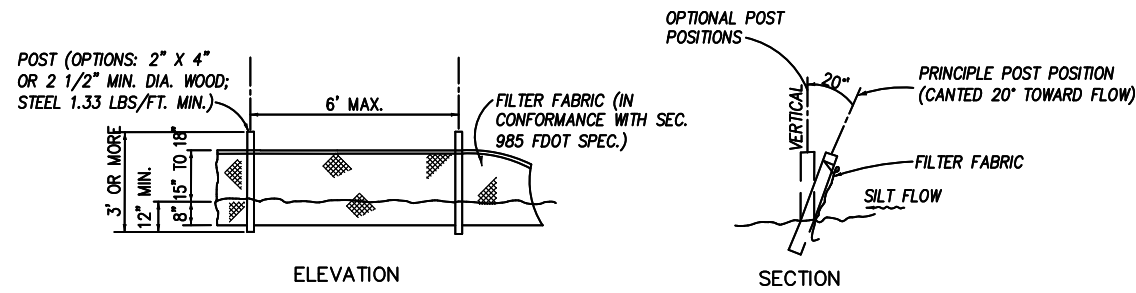


STORM WATER POLLUTION PREVENTION PRACTICES:

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

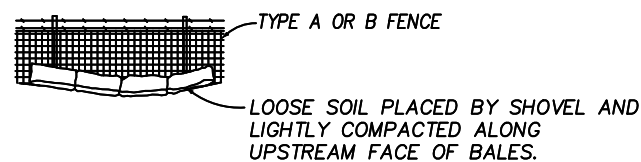
- A. SEQUENCE OF SOIL DISTURBING ACTIVITIES AND IMPLEMENTATION OF CONTROLS:
1. CLEAR & GRUBBING
 2. INSTALL DRAINAGE STRUCTURES
 3. STABILIZATION
 4. BASE PREPARATION
 5. ASPHALT APPLICATION
 6. PLACEMENT OF ROCK BAGS AROUND INLETS
 7. PLACEMENT OF ROCK BAGS AROUND MANHOLES
 8. APPLICATION OF FRICTION 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 1, 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.



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REV.	DATE	BY:	DESCRIPTION

DESIGNED BY: O.B.	SEAL:
DRAWN BY: O.B.	
CHECKED BY: J.C.F.	
DATE: 10/24/2023	

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

**TRAFFIC CIRCLE
AT
SW 200th STREET AND
SW 103rd AVENUE**

**STORMWATER POLLUTION
PREVENTION
NOTES & DETAILS**

SCALE: AS SHOWN
PROJECT NO.: 2303
DWG. NO.: SHEET: C-12.0

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LEGEND:

 PROPOSED INLETS PROTECTION, SEE SHEET C-12.0

LIMITS OF CONSTRUCTION
STA. 11+50 \mathcal{C} & \mathcal{C} SURVEY SW 103rd ST.

STA. 10+00 (SW 103rd AVE) @ 2.0' RT. =
STA. 20+02 (SW 200th ST) CENTER OF TRAFFIC CIRCLE

STA. 10+00 (SW 103rd AVE) =
STA. 20+00 (SW 200th ST)

LIMITS OF CONSTRUCTION
STA. 18+50 \mathcal{C} & \mathcal{C} SURVEY SW 200th ST.

SECTION LINE (BEARING N89°06'14"E)
CENTER LINE AND BASELINE (BEARING N89°07'5"E)

CENTER LINE AND BASELINE (BEARING N00°50'4"W)

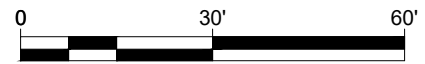
LIMITS OF CONSTRUCTION
STA. 8+50 \mathcal{C} & \mathcal{C} SURVEY SW 103rd ST.

INLET PROTECTION (TYP.)

INLET PROTECTION (TYP.)

INLET PROTECTION (TYP.)

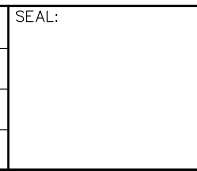
INLET PROTECTION (TYP.)



Filename: F:\Engineering\SRS Projects\2023\2303 - Cutler Bay - Traffic Roundabout\Design\2303_PAGE_12.0-12.1_SWPP.dwg - Plot Date: 10/24/23

REV.	DATE	BY:	DESCRIPTION

DESIGNED BY: O.B.	SEAL:
DRAWN BY: O.B.	
CHECKED BY: J.C.F.	
DATE: 10/24/2023	



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FLORIDA
INCORPORATED 2009

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**TRAFFIC CIRCLE
AT
SW 200th STREET AND
SW 103rd AVENUE**

**STORMWATER POLLUTION
PREVENTION PLAN**

SCALE: AS SHOWN	PROJECT NO.: 2303
DWG. NO.:	
SHEET: C-12.1	

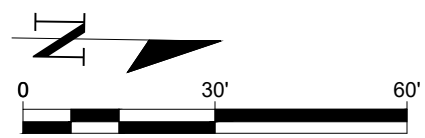
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TRAFFIC CIRCLE SIGNS 700-1-11

- ① SW 103 AVE ↗ (D1-1d) 18" x VARIES (SEE SHEET C-11.3)
- ② SW 200 ST ↗ (R4-7) 24" x 30"
- ③ (OM1-3) 18" x 18"
- ④ (R6-4) 30" x 24"
- ⑤ (R1-2) 30" x 30" x 30"
- ⑥ (W16-7P) 24" x 12"
- ⑥ (W11-2) 30" x 30"
- ⑦ (W13-1P) 18" x 18"
- ⑦ (W2-6) 30" x 30"

CENTER LINE AND BASELINE
(BEARING N00°50'4"W)

LIMITS OF CONSTRUCTION
STA. 8+50 @ & @ SURVEY SW 103rd AVE.
MATCH EXIST. PM



NOTE:
- ALL EXISTING SIGNS WITHIN THE PROJECT LIMITS WILL BE REMOVED UNLESS OTHERWISE SPECIFIED TO REMAIN

LIMITS OF CONSTRUCTION
STA. 18+50 @ & @ SURVEY SW 200th ST.
MATCH EXIST. PM

12" WHITE (10' WIDTH CROSSWALK)
PER FDOT 711-001 (TYP.)
24" WHITE PREFORMED THERMOPLASTIC
ON CROSSWALK (TYP.)

8" WHITE W/ RPMs (W/R) @ 10' O.C. (TYP.)
6" WHITE 2'-4' DOTTED LINE (TYP.)

6" YELLOW W/ RPMs @ 8" O.C. (Y/Y) (TYP.)
12" WHITE (10' WIDTH CROSSWALK)
PER FDOT 711-001 (TYP.)

SECTION LINE (BEARING N89°06'14"E)
CENTER LINE AND BASELINE (BEARING N89°07'5"E)

50 LF. OF 6" DOUBLE YELLOW
W/ REFLECTIVE PAVEMENT MARKING
(RPMs) @ 40' O.C. (Y/Y) (TYP.)

BLUE REFLECTIVE PAVEMENT
MARKING (RPMs)

6" DOUBLE YELLOW W/ REFLECTIVE PAVEMENT
MARKING (RPMs) @ 10' O.C. (Y/Y) (TYP.)

PAINT W/ DURABLE YELLOW PAINT THE
ISLAND TYPE-D CURB AND INSTALL
MD/Y RPMs @ 8" O.C. ON TOP OF
CURB (TYP.) PER FDOT INDEX 706-001

6" YELLOW W/ RPMs @ 10' O.C. (Y/Y) (TYP.)
6" WHITE (TYP.)

STA. 10+00 (SW 103rd AVE) =
STA. 20+00 (SW 200th ST)
STA. 10+00 (SW 103rd AVE) @ 2.0' RT. =
STA. 20+02 (SW 200th ST) CENTER OF TRAFFIC CIRCLE

6" DOUBLE YELLOW W/ REFLECTIVE PAVEMENT
MARKING (RPMs) @ 10' O.C. (Y/Y) (TYP.)

SW 103rd AVE.

50 LF. OF 6" DOUBLE YELLOW
W/ REFLECTIVE PAVEMENT MARKING
(RPMs) @ 40' O.C. (Y/Y) (TYP.)
6" DOUBLE YELLOW W/
REFLECTIVE PAVEMENT MARKING
(RPMs) @ 10' O.C. (Y/Y) (TYP.)

24" WHITE PREFORMED THERMOPLASTIC
ON CROSSWALK (TYP.)

PAINT W/ DURABLE YELLOW PAINT THE ISLAND
TYPE-D CURB AND INSTALL MD/Y RPMs @ 8" O.C.
ON TOP OF CURB (TYP.) PER FDOT INDEX 706-001

6" WHITE 2'-4'
DOTTED LINE
(TYP.)

12" WHITE (10' WIDTH CROSSWALK)
PER FDOT 711-001 (TYP.)
24" WHITE PREFORMED THERMOPLASTIC
ON CROSSWALK (TYP.)

PAINT W/ DURABLE YELLOW PAINT THE ISLAND
TYPE-D CURB AND INSTALL MD/Y RPMs @ 8" O.C. ON
TOP OF CURB (TYP.) PER FDOT
INDEX 706-001

LIMITS OF CONSTRUCTION
STA. 11+50 @ & @ SURVEY SW 103rd AVE.
MATCH EXIST. PM

50 LF. OF 6" DOUBLE YELLOW
W/ REFLECTIVE PAVEMENT MARKING
(RPMs) @ 40' O.C. (Y/Y) (TYP.)
EXIST. W1-1 AND W13-1P SIGN TO REMAIN

File: F:\Engineering\SRS Projects\2023\2303 - Cutler Bay - Traffic Roundabout\Design\2303_Plane_13_Plane.dwg - Plot Date: 10/24/23

REV.	DATE	BY:	DESCRIPTION

DESIGNED BY: O.B.	SEAL:
DRAWN BY: O.B.	
CHECKED BY: J.C.F.	
DATE: 10/24/2023	



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**TRAFFIC CIRCLE
AT
SW 200th STREET AND
SW 103rd AVENUE**

**PAVEMENT MARKING
& SIGNAGE PLAN**

SCALE: AS SHOWN	
PROJECT NO.: 2303	
DWG. NO.:	SHEET: C-13

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TOWN OF CUTLER BAY

TRAFFIC CIRCLE AT SW 200th STREET AND SW 103rd AVENUE

COMMUNITY OFFICIALS

TIM MEERBOTT, MAYOR
 MICHAEL P. CALLAHAN, VICE MAYOR
 ROBERT "B.J." DUNCAN, COUNCIL MEMBER SEAT 1
 SUZY LORD, COUNCIL MEMBER SEAT 2
 RICHARD RAMIREZ, COUNCIL MEMBER SEAT 3

INDEX OF SHEETS

<u>SHEET No.</u>	<u>SHEET DESCRIPTION</u>
L-0	LANDSCAPING COVER SHEET
L-1	TREE DEPOSITION PLAN
L-2	TREE LIST, NOTES & DETAILS
L-3	PLANTING PLAN
L-4	PLANTING PLAN
L-5	PLANTING NOTES & DETAILS

LANDSCAPE PLANS

LANDSCAPE'S CERTIFICATION:

• THIS PLAN WAS PREPARED UNDER MY DIRECTION AND TO THE BEST OF MY KNOWLEDGE AND BELIEF, COMPLIES WITH THE INTENT OF THE MANUAL OF UNIFORM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE OF STREETS AND HIGHWAYS AS ADOPTED BY THE STATE OF FLORIDA LEGISLATURE

LAURA M. LLERENA HERNANDEZ
 LANDSCAPE ARCHITECT No. 6667125



13170 S.W. 128TH STREET, #207
 MIAMI, FLORIDA 33186
 TEL: 305-256-1199
 FAX: 305-256-1155
 WWW.LLLERENA-ASSOCIATES.COM

NOTES:

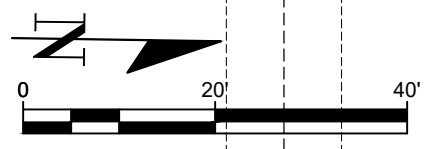
- THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION.
- ALL WORK SHALL BE PERFORMED WITHIN THE LIMITS OF EXISTING STATE / LOCAL RIGHT OF WAY, AND ALL IMPROVEMENTS SHALL BE CONSTRUCTED AND INSTALL WITHIN SAID LIMITS
- AL ELEVATIONS REFER TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD-29)

GOVERNING STANDARDS AND SPECIFICATIONS:

- MIAMI DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS ENGINEERING STANDARDS FOR DESIGN AND CONSTRUCTION.
- FLORIDA DEPARTMENT OF TRANSPORTATION, STANDARDS PLANS FY 2022-23, AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED JULY 05-04-2022 (LAST UPDATED), MANUAL OF UNIFORM CONTROL DEVICE FOR STREETS AND HIGHWAYS, (MUTCD) EDITION WITH REVISIONS 1 & 2 INCORPORATED (MAY 2012), AS AMENDED BY CONTRACT DOCUMENTS.

REVISIONS-SUBMITTALS

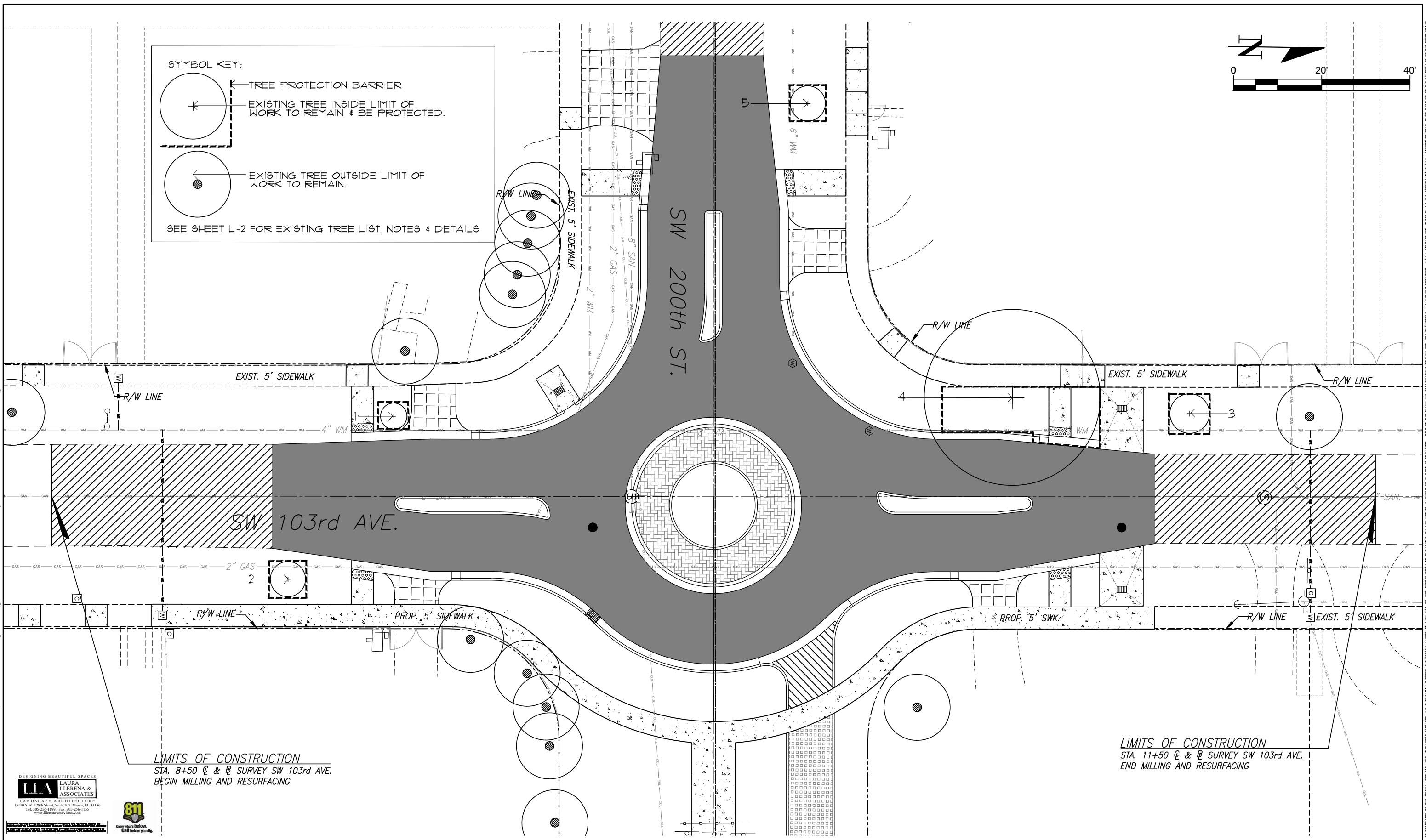
<u>REV.</u>	<u>DATE</u>	<u>BY</u>	<u>DESCRIPTION</u>
<u>COVER SHEET</u>			
DATE: 10/24/2023			SHEET: L-0



SYMBOL KEY:

- TREE PROTECTION BARRIER
- EXISTING TREE INSIDE LIMIT OF WORK TO REMAIN & BE PROTECTED.
- EXISTING TREE OUTSIDE LIMIT OF WORK TO REMAIN.

SEE SHEET L-2 FOR EXISTING TREE LIST, NOTES & DETAILS



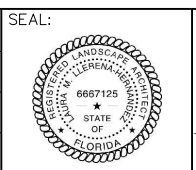
LIMITS OF CONSTRUCTION
 STA. 8+50 @ & @ SURVEY SW 103rd AVE.
 BEGIN MILLING AND RESURFACING

LIMITS OF CONSTRUCTION
 STA. 11+50 @ & @ SURVEY SW 103rd AVE.
 END MILLING AND RESURFACING



REV.	DATE	BY:	DESCRIPTION

DESIGNED BY: LMLH
 DRAWN BY: LR
 CHECKED BY: LMLH
 DATE: 10/16/2023



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TRAFFIC CIRCLE AT SW 200th STREET AND SW 103rd AVENUE

TREE DISPOSITION PLAN

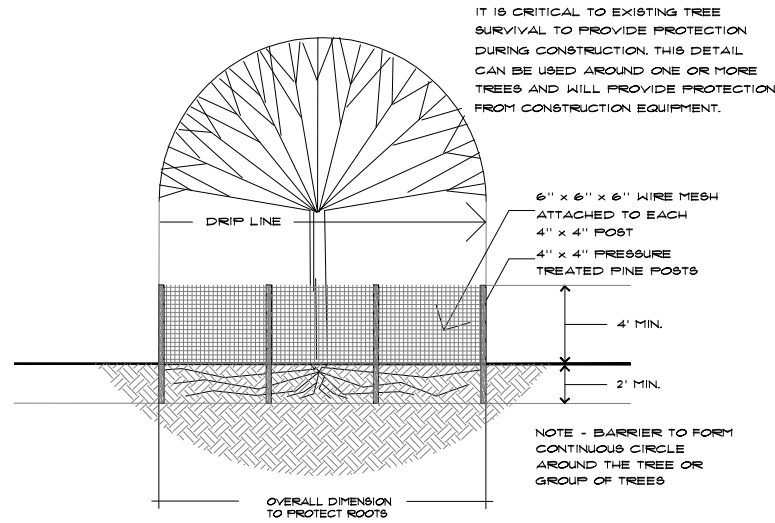
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DWG. NO.:	SHEET: L-1

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 10/16/2023

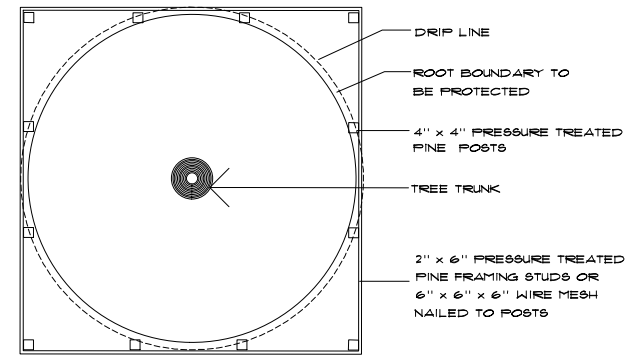
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EXISTING TREE LIST:

No.	BOTANICAL NAME	COMMON NAME	DBH (")	HT. (')	SP. (')	Condition	Disposition	Canopy loss	Comments
1	Koelreuteria Paniculata	Golden Rain Tree	10	14	6	Poor	Remain	0	Strangler Fig growing on and into the trunk of the Golden Rain tree. Trunks intertwined. Provide tree protection barrier.
2	Conocarpus Erectus	Green Buttonwood	8	12	8	Good	Remain	0	Provide tree protection barrier.
3	Wodyetia Bifurcata	Foxtail Palm	6+10	18	5+5	Good	Remain	0	Double trunk. Provide tree protection barrier.
4	Ficus Aurea	Strangler Fig	30	30	40	Good	Remain	0	Extensive superficial roots - provide tree protection barrier.
5	Conocarpus Erectus	Green Buttonwood	6	10	8	Good	Remain	0	Provide tree protection barrier.



1. WIRE MESH BARRIER DETAIL
NOT TO SCALE



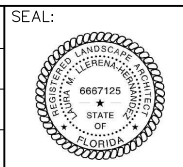
2. WOOD BARRIER DETAIL PLAN
NOT TO SCALE

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LANDSCAPE ARCHITECTURE
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13170 S.W. 128th Street, Suite 207, Miami, FL 33186
Tel: 305-256-1199 / Fax: 305-256-1155
www.lillerena-associates.com



REV.	DATE	BY:	DESCRIPTION

DESIGNED BY: LMLH
DRAWN BY: LR
CHECKED BY: LMLH
DATE: 10/16/2023



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TRAFFIC CIRCLE
AT
SW 200th STREET AND
SW 103rd AVENUE

TREE LIST, NOTES &
DETAILS

SCALE: AS SHOWN	PROJECT NO.: 2303
DWG. NO.:	SHEET: L-2

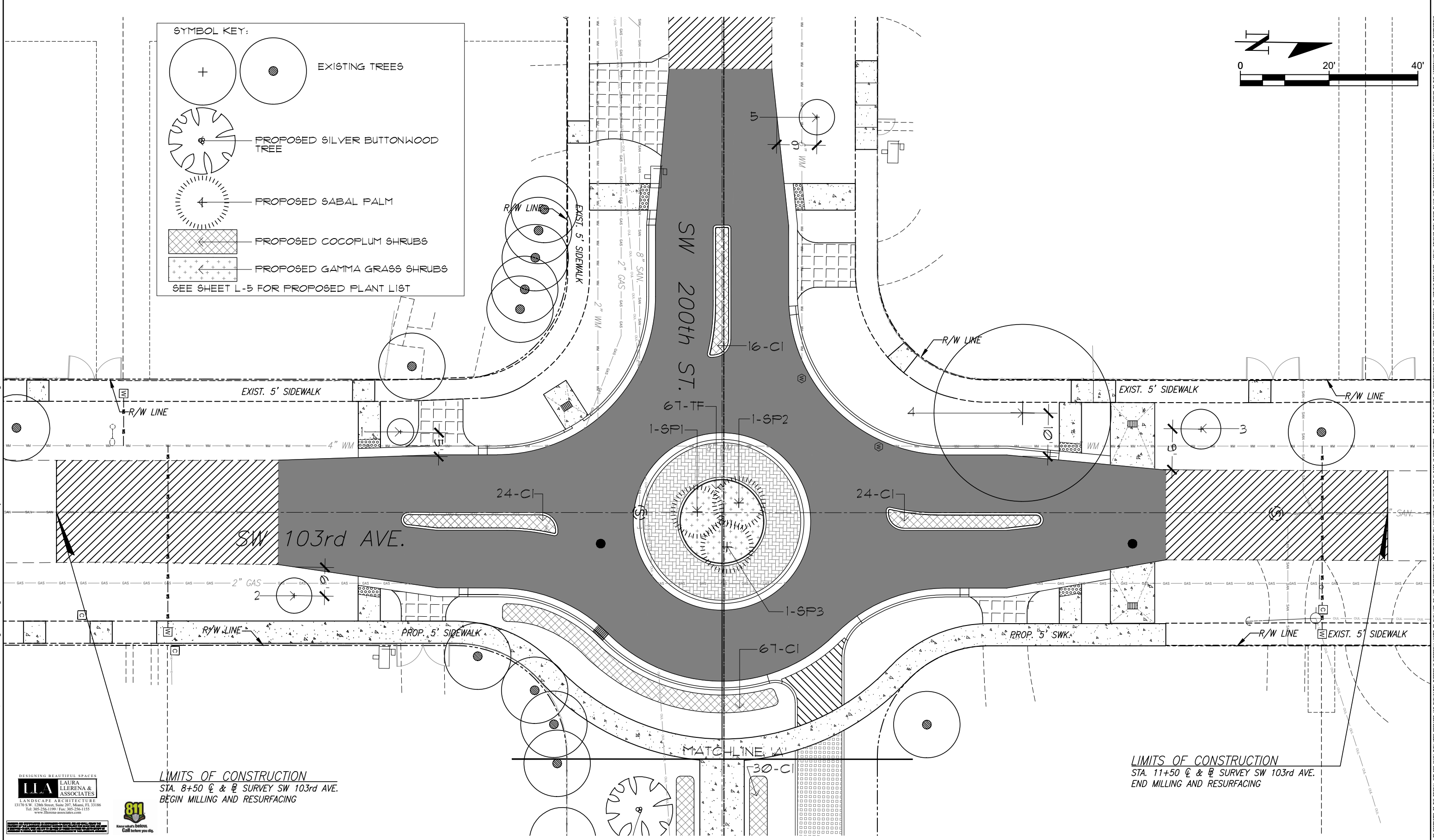
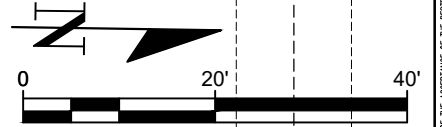
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SYMBOL KEY:

- EXISTING TREES
- EXISTING TREES
- PROPOSED SILVER BUTTWOOD TREE
- PROPOSED SABAL PALM
- PROPOSED COCOPLUM SHRUBS
- PROPOSED GAMMA GRASS SHRUBS

SEE SHEET L-5 FOR PROPOSED PLANT LIST



LIMITS OF CONSTRUCTION
 STA. 8+50 @ & @ SURVEY SW 103rd AVE.
 BEGIN MILLING AND RESURFACING

LIMITS OF CONSTRUCTION
 STA. 11+50 @ & @ SURVEY SW 103rd AVE.
 END MILLING AND RESURFACING



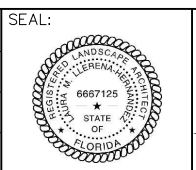
REV.	DATE	BY:	DESCRIPTION

DESIGNED BY:
LMLH

DRAWN BY:
LR

CHECKED BY:
LMLH

DATE:
10/16/2023



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 CUTLER BAY, FL 33189
 PHONE: (305) 234-4262
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TRAFFIC CIRCLE AT SW 200th STREET AND SW 103rd AVENUE

PLANTING PLAN

SCALE:
AS SHOWN

PROJECT NO.:
2303

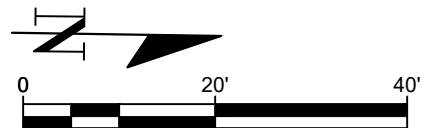
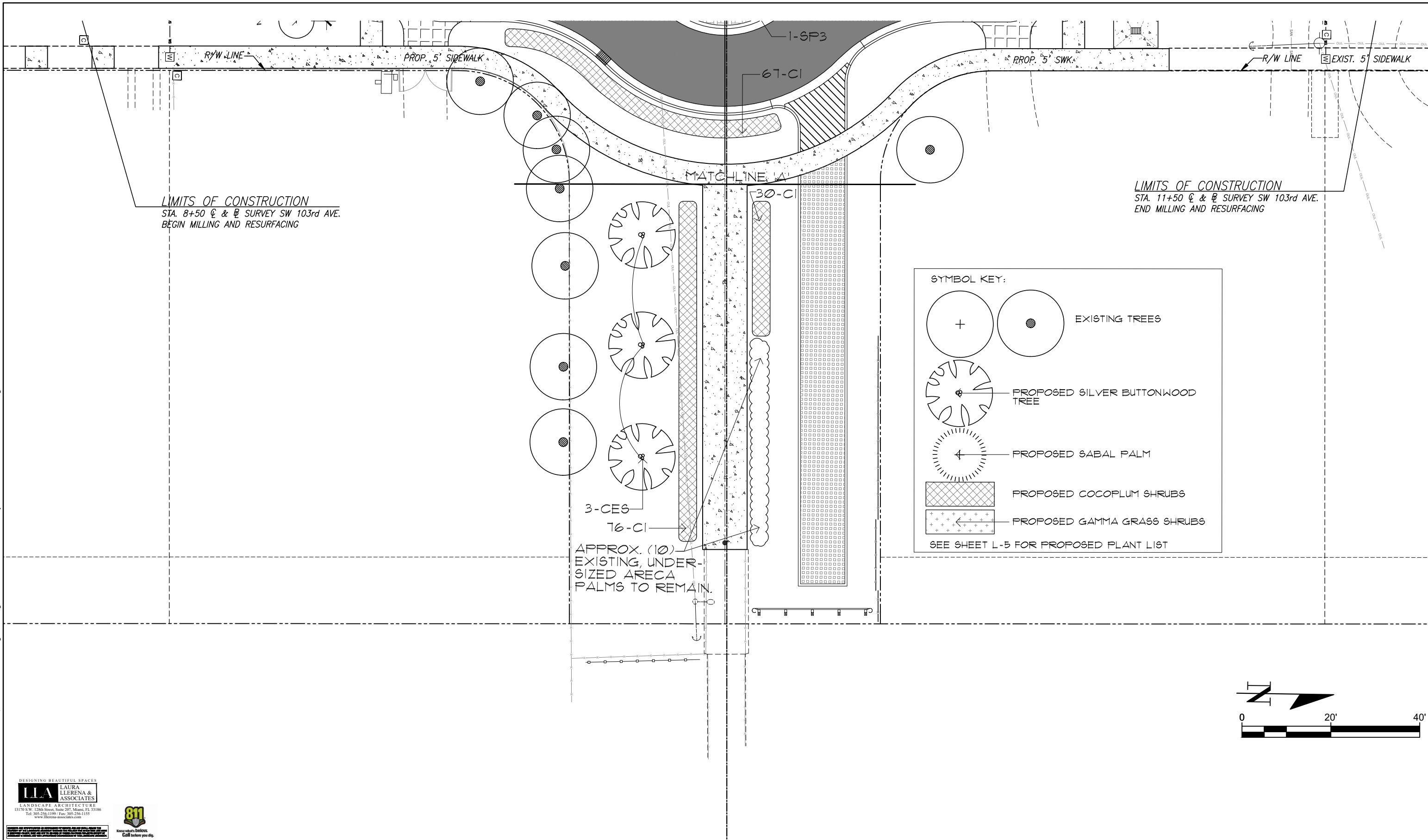
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L-3

SHEET:
L-3

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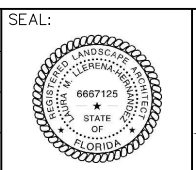


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TRAFFIC CIRCLE AT SW 200th STREET AND SW 103rd AVENUE

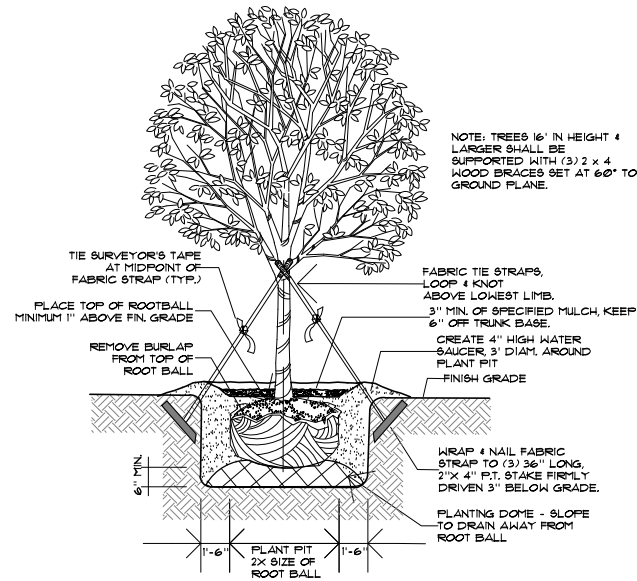
PLANTING PLAN

SCALE: AS SHOWN
PROJECT NO.: 2303
DWG. NO.: SHEET: L-4

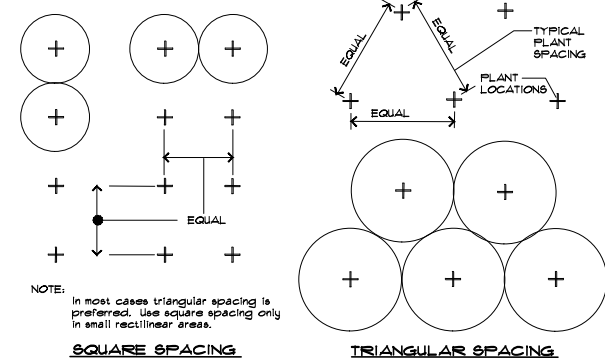
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PLANT LIST/SUMMARY OF QUANTITIES:

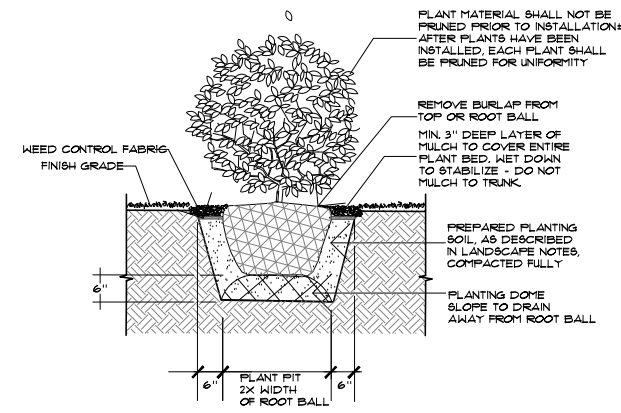
PAY ITEM	QTY	KEY BOTANICAL NAME	COMMON NAME	SPECIFICATIONS	NATIVE
New Trees					
580-5-313	3	CE5 <i>Conocarpus Erectus</i> 'Sericeus'	Silver Buttonwood	11'-14' Oa.Ht., Min. 2" DBH, 4' C.T., Standard	Y
New Palms					
580-4-373	1	SP1 <i>Sabal Palmetto</i>	Sabal Palm	Min. 12' Oa.Ht., Booted, Regenerated	Y
580-4-375	1	SP2 <i>Sabal Palmetto</i>	Sabal Palm	Min. 16' Oa.Ht., Booted, Regenerated	Y
580-4-375	1	SP3 <i>Sabal Palmetto</i>	Sabal Palm	Min. 20' Oa.Ht., Booted, Regenerated	Y
New Shrubs					
580-7-163	237	CI <i>Chrysobalanus Icaco</i> 'Horizontal'	Horizontal Cocoplum	Min. 18" Ht., 18" Sp., 24" O.C., full to base	Y
580-7-123	67	TF <i>Tripsacum Florida</i>	Gamma Grass	Min. 24" Ht., 20" Sp., 24" O.C., full to base	Y
Plant Preservation Area					
110-21	265 LF	Tree Protection Barrier			



1. TYPICAL TREE INSTALLATION
NOT TO SCALE



2. PLANT SPACING (FOR SHRUBS & GROUNDCOVER)
NOT TO SCALE



3. SHRUB INSTALLATION
NOT TO SCALE

LANDSCAPE NOTES

- ALL PLANT MATERIAL SHALL BE GRADED FLORIDA #1 OR BETTER, AS DEFINED IN THE GRADES AND STANDARDS FOR NURSERY PLANTS, PART I AND II BY THE STATE OF FLORIDA, DEPARTMENT OF AGRICULTURE.
- ALL LANDSCAPE MATERIAL SHALL COMPLY WITH COUNTY, CITY OR LOCAL ORDINANCES.
- SYMBOLS REPRESENT PLANTS AT MATURE STAGE, NEVER AT TIME OF INSTALLATION.
- VERIFY WITH OWNER'S REPRESENTATIVE OR SITE SUPERVISOR OF ANY EXISTING UNDERGROUND UTILITIES AND/OR EASEMENTS PRIOR TO THE INSTALLATION OF PLANT MATERIAL. CALL 811 AS NECESSARY.
- ALL TREES, SHRUBS AND GROUNDCOVERS SHALL RECEIVE 3" DEPTH OF SHREDDED FLORIMULCH.
- LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR THEIR OWN QUANTITY TAKE OFF, IN CASE OF ANY DISCREPANCIES, PLAN SHALL TAKE PRECEDENCE OVER PLANT LIST.
- EXISTING SOD DAMAGED DURING THE CONSTRUCTION PROCESS SHALL BE REPLACED AS NEEDED WITH SAME SPECIES.
- THERE SHALL BE A 24" WIDE STRIP OF FLORIMULCH BETWEEN SOD AND SHRUBS/GROUNDCOVERS.
- TERRA-SORB MOISTURE RETENTION GRANULES SHALL BE ADDED TO ALL TREE/PALM PITS AT THE RATE RECOMMENDED BY MANUFACTURER.
- PLANTING SOIL SHALL CONSIST OF AN EVENLY BLENDED MIX OF 50% MUCK, 25% SAND, 15% SPHAGNUM PEAT MOSS & 10% SHEEP MANURE. TWO LBS. OF FERTILIZER SHALL BE ADDED TO EACH CUBIC YARD OF SOIL & THOROUGHLY MIXED. PLANTING SOIL SHALL HAVE A PH OF BETWEEN 6.0 & 7.0 AFTER MIXING & ADDITION OF FERTILIZER.
- TOPSOIL MIX SHALL CONSIST OF 80% SAND & 20% MUCK THOROUGHLY MIXED WITH A COMMERCIAL SHREDDER. MIX SHALL BE FREE OF ROCKS, LIMBS, ROOTS & OTHER MATTER.
- ALL PLANTING BEDS MUST BE FREE OF SURFACE ROCK WITH A DIAMETER OF 1/2" OR GREATER PRIOR TO INSTALLATION OF WEED FABRIC AND/OR PLANT MATERIAL.
- ALL NEW PLANT MATERIAL SHALL HAVE A ONE YEAR GUARANTEE.
Note: Acts of God (Hurricanes) and other causes beyond the control of the landscape contractor are not covered.
- ALL WARRANTIES TO RUN CONCURRENTLY, BEGINNING UPON LANDSCAPE ARCHITECT'S FINAL ACCEPTANCE OF THE INSTALLATION, UNLESS OWNER OR GC REQUIRES CONSTRUCTION PHASING BEYOND CONTROL OF THE INSTALLER.
- WATERING IS THE RESPONSIBILITY OF THE INSTALLER DURING THE INSTALLATION PHASE UNTIL FINAL ACCEPTANCE.
- ALL NEWLY INSTALLED PLANTS TO BE HAND WATERED AS PER SCHEDULE PROVIDED.
- CONTRACTOR TO PROVIDE ONE YEAR MAINTENANCE FOR ALL NEW TREES.

NEW TREE - 1 YEAR MAINTENANCE PLAN

WATER:
ALL NEW TREES TO BE HAND WATERED.
1ST MONTH WATER EVERYDAY
2ND. THROUGH 6TH MONTHS - EVERY OTHER DAY.
7TH THROUGH COMPLETE YEAR - 2 TIMES A WEEK.
NOTE: ADJUST IRRIGATION DURATION TIMES TO ENSURE THAT TREE'S ROOT BALL IS COMPLETELY SATURATED WITH WATER
IRRIGATION WATER FREQUENCY AND DURATIONS MAY VARY DUE TO TIME OF YEAR AND CLIMATE CONDITIONS.

FERTILIZER:
USE A PALM SPECIAL FERTILIZER, 8-2-12, FROM ATLANTIC FERTILIZER, 1 LBS. PER INCH CALIPER OF TREE EVERY 3 MONTHS.

MULCH:
INSPECT AND REPLACE MULCH AFTER 6 MONTHS WITH APPROVED FLORIMULCH, EUCALYPTUS OR MELALEUCA MULCH ONLY.
NO RED COLORED OR CYPRESS MULCH TO BE USED.

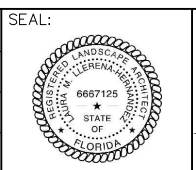
TRIMMING & PRUNING:
PRUNE ONLY CRITICAL BRANCHES (DEAD OR BROKEN)

STAKING AND BRACING:
INSPECT ALL TREE TIES AND STAKING AND ADJUST AS NEEDED. REMOVE ANY STAKING MATERIAL THAT IS IN CONTACT WITH TREE AFTER A PERIOD OF NO MORE THAN 6 MONTHS AFTER INITIAL PLANTING AS THE TREE SHOULD BE WELL ESTABLISHED BY THEN.



REV.	DATE	BY:	DESCRIPTION

DESIGNED BY: LMLH
DRAWN BY: LR
CHECKED BY: LMLH
DATE: 10/16/2023



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TRAFFIC CIRCLE AT SW 200th STREET AND SW 103rd AVENUE

PLANTING NOTES & DETAILS

SCALE: AS SHOWN	
PROJECT NO.: 2303	
DWG. NO.:	SHEET: L-5

File name: C:\Users\Laura\Documents\Drawings\SRS Engineers\Traffic Circle Palmetto Bay\Submit 2\W-L-Traffic Circle-FINAL.dwg - Plot

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