



## **Traffic Circle Improvements at N Miami Avenue and N 163rd St FDID No. 449372-1-58-01**

Intersection of N Miami Ave and NW 163rd St – approx. 105 ft south from  
intersection at Sta22+03.99 / End Project 24+14.32, along Miami Ave.

### **ENGINEERING DRAWINGS**

**Disadvantaged Business Enterprise Program:**

Not Applicable

**Community Workforce Program:**

**Not Applicable**

**DTPW Capital Improvements Engineer:**

Katherine Fernandez

**RPQ Issue Date:**

5/21/2026

**INDEX OF SHEETS**

SHT. No.	SHEET DESCRIPTION
1	COVER SHEET
2	SIGNATURE SHEET
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6	GENERAL NOTES
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8	SEDIMENT BARRIERS DETAILS
9	INLET PROTECTION SYSTEMS DETAILS
10-11	ROADWAY PLAN
12-13	STANDARD DETAILS
14-15	SPECIAL DETAILS
16	GRADING DETAILS
17	CROSS SECTIONS
CTL-1*	PROJECT CONTROL

\*This sheet is included in the Index of Roadway Plans only to indicate it is part of the Roadway Plans. This sheet is contained in a separate digitally signed and sealed document.

S-1 to S-2 SIGNING AND PAVEMENT MARKINGS  
L-1 to L-3 LIGHTING PLANS

**GOVERNING DESIGN STANDARDS:**

- MIAMI-DADE COUNTY PUBLIC WORKS MANUAL (1990)
- FLORIDA DEPARTMENT OF TRANSPORTATION, FY 2025-26 STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION AND APPLICABLE INTERIM REVISIONS (IRs).
- STANDARD PLANS FOR ROAD CONSTRUCTION AND IRs ARE AVAILABLE AT THE FOLLOWING WEBSITE: <https://www.fdot.gov/design/standardplans>
- MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (11TH EDITION 2023)
- MANUAL ON UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS "FLORIDA GREENBOOK" 2018 EDITION.

**GOVERNING STANDARD SPECIFICATIONS:**

- MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT STANDARDS AND SPECIFICATIONS PARTS 1, 2 AND 3
- FLORIDA DEPARTMENT OF TRANSPORTATION, FY 2025-26 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AT THE FOLLOWING WEBSITE: <https://www.fdot.gov/programmanagement/implemented/specbooks>

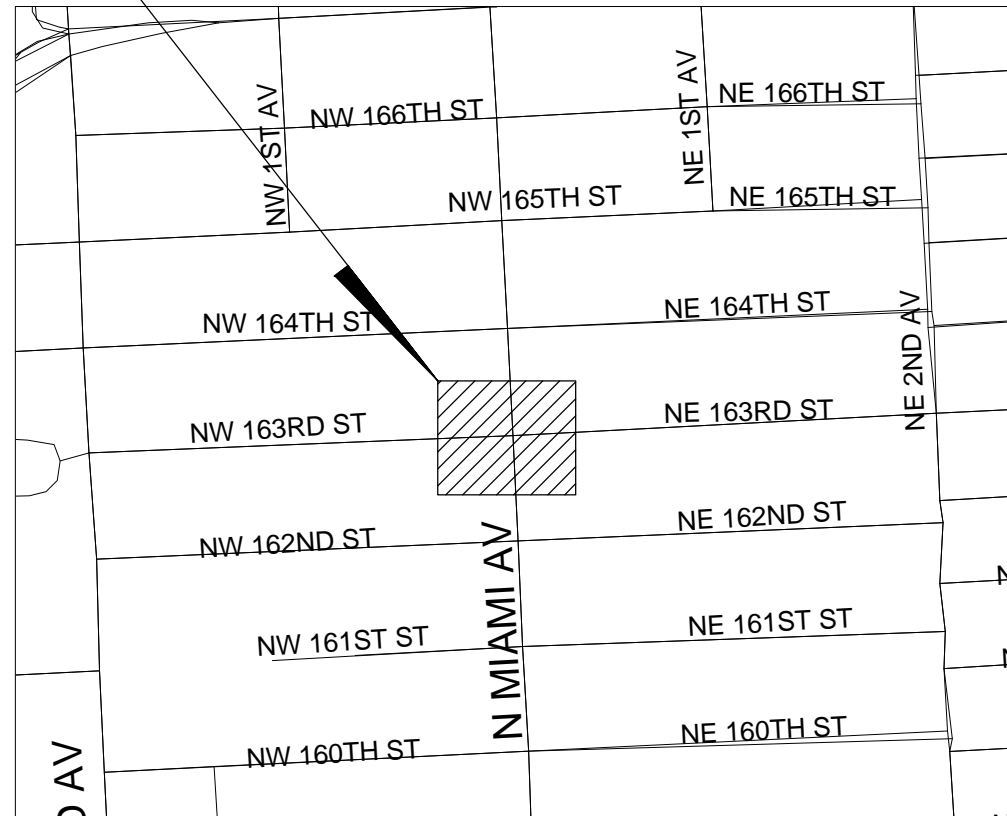
PLANS FOR PROPOSED  
TRAFFIC CIRCLE IMPROVEMENTS  
AT N MIAMI AVE AND NW 163RD ST

MIAMI-DADE COUNTY PROJECT NO. 20240194  
FPID NO. 449372-1-58-01

**NOTE:**

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

PROJECT LOCATION



PREPARED FOR



MIAMI-DADE COUNTY  
DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS  
HIGHWAY DIVISION

STEPHEN P. CLARK CENTER  
111 NW 1 ST  
MIAMI, FLORIDA 33128

BY



2 ALHAMBRA PLAZA, SUITE 500  
CORAL GABLES, FLORIDA 33134  
WWW.KIMLEY-HORN.COM



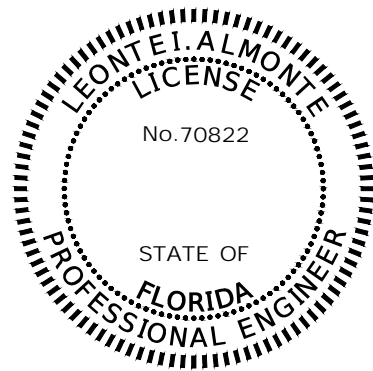
	LENGTH OF JOB	
	LIN. FT.	MILES
ROADWAY	199.20	0.038
BRIDGE	-	-
GROSS LENGTH OF JOB	199.20	0.038
EXCEPTIONS	-	-
NET LENGTH OF JOB	199.20	0.038

FINAL SUBMITTAL  
AUGUST 20, 2025

APPROVED	_____	COUNTY ENGINEER
RECOMMENDED	_____	ASSISTANT DIRECTOR
SUBMITTED	_____	HIGHWAY DIVISION
PROPOSED	_____	CHECK _____ AG _____
DESIGN	_____ LA _____	DRAWN _____ HL _____
DATE	08/20/2025	SHEET 01 OF 17

MIAMI-DADE COUNTY

DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS  
HIGHWAY DIVISION  
STEPHEN P. CLARK CENTER  
111 NW 1 ST  
MIAMI, FLORIDA 33128



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

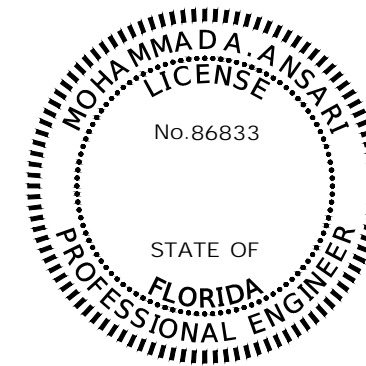
ON THE DATE ADJACENT TO THE SEAL

SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

KIMLEY-HORN AND ASSOCIATES, INC  
 2 ALHAMBRA PLAZA, SUITE 500  
 CORAL GABLES, FLORIDA 33134  
 REGISTRY 35106  
 LEONTE I. ALMONTE, P.E. NO. 70822

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

SHEET NO.	SHEET DESCRIPTION
1	COVER SHEET
2	SIGNATURE SHEET
3-4	TYPICAL SECTION
5	SUMMARY OF QUANTITIES
6	GENERAL NOTES
10-11	ROADWAY PLANS
14-15	SPECIAL DETAILS
16	GRADING DETAIL
17	CROSS SECTIONS
S-1 to S-2	SIGNING AND PAVEMENT MARKINGS



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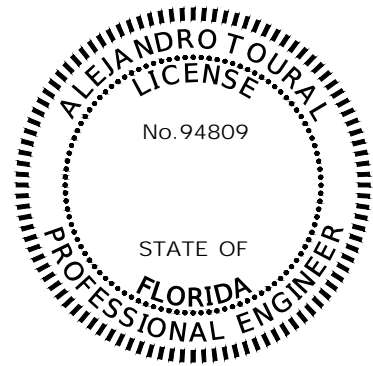
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 2 ALHAMBRA PLAZA, SUITE 500  
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 REGISTRY 35106  
 MOHAMMAD A. ANSARI, P.E. 86833

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

SHEET NO.	SHEET DESCRIPTION
2	SIGNATURE SHEET
L-1 to L-3	LIGHTING PLANS



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KIMLEY-HORN AND ASSOCIATES, INC  
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 MIAMI, FLORIDA 33134  
 REGISTRY 35106  
 ALEJANDRO TOURAL, P.E. 94809

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SHEET NO.	SHEET DESCRIPTION
2	SIGNATURE SHEET
7	STORMWATER POLLUTION PREVENTION PLAN
8	SEDIMENT BARRIERS DETAILS
9	INLET PROTECTION SYSTEMS DETAILS
12-13	STANDARD DETAIL

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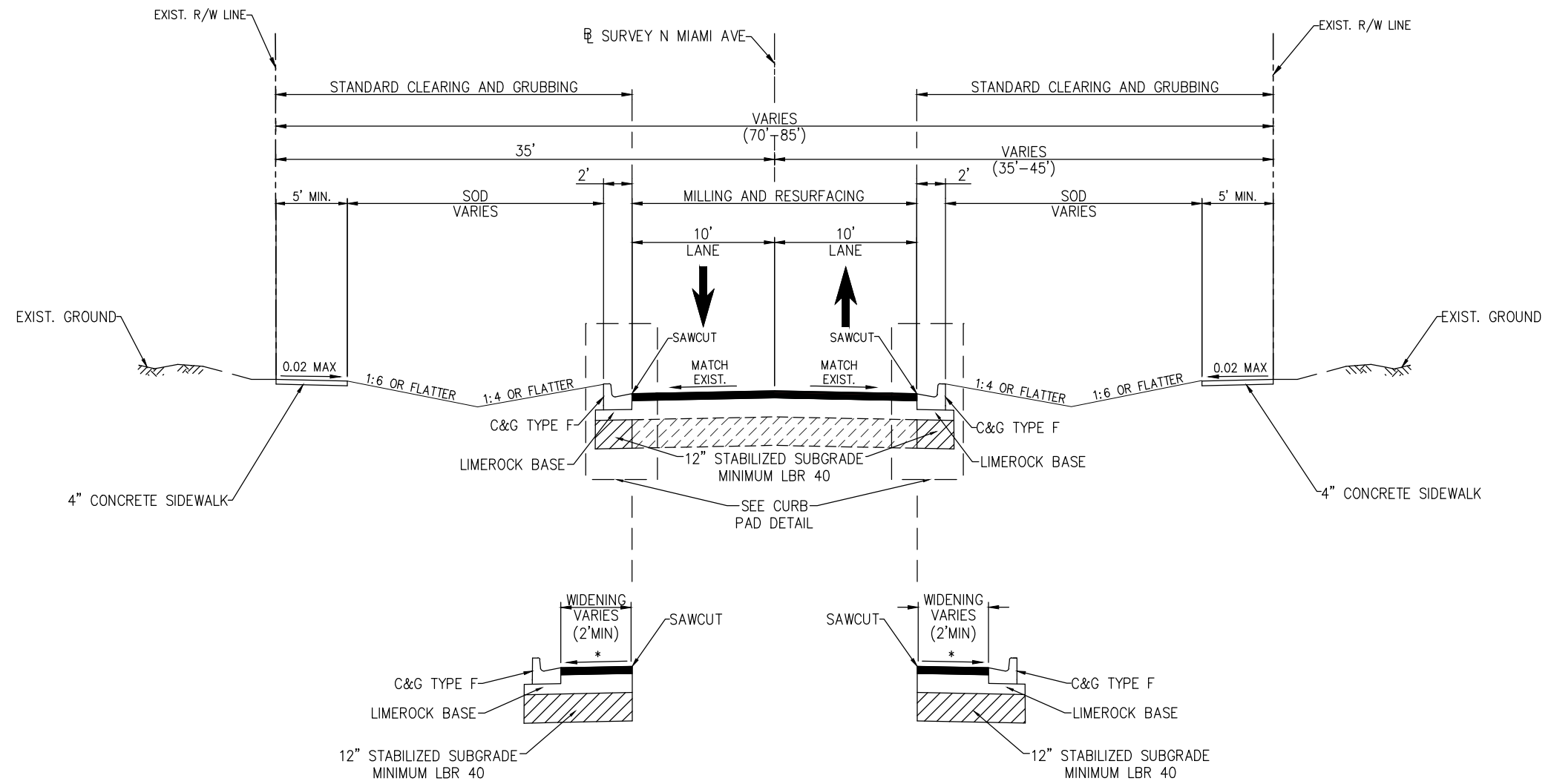
REVISIONS							
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY

**Kimley-Horn**  
 2 ALHAMBRA PLAZA, SUITE 500,  
 CORAL GABLES, FL 33134  
 PHONE: 305-673-2025  
 WWW.KIMLEY-HORN.COM REGISTRY 696

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
CHECKED BY			CHECKED BY		
SUPERVISED BY:					



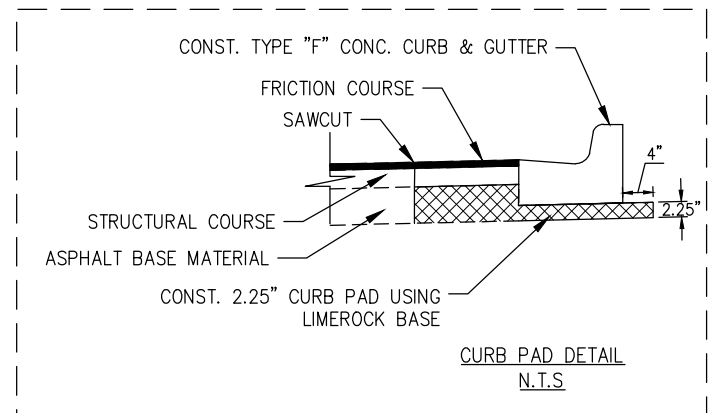
SIGNATURE SHEET



TYPICAL SECTION N MIAMI AVE

TRAFFIC CIRCLE IMPROVEMENTS  
 AT N MIAMI AVENUE AND NE 163 STREET

NEW CONSTRUCTION / WIDENING  
 LIMEROCK BASE (8" THICK) (PRIMED) WITH  
 HMA, FRICTION COURSE, TRAFFIC C, FC-9.5, PG 76-22 (2")  
 MILLING  
 MILL EXISTING ASPHALT PAVEMENT (1" AVG. DEPTH)  
 OVERBUILD  
 HMA, TRAFFIC C, SP-9.5 (2" AVG. DEPTH)  
 RESURFACING  
 HMA, FRICTION COURSE, TRAFFIC C, FC-9.5, PG 76-22 (1")



NOTE  
 \* MATCH ADJACENT CROSS SLOPES

DESIGN SPEED 35 MPH  
 POSTED SPEED 30 MPH

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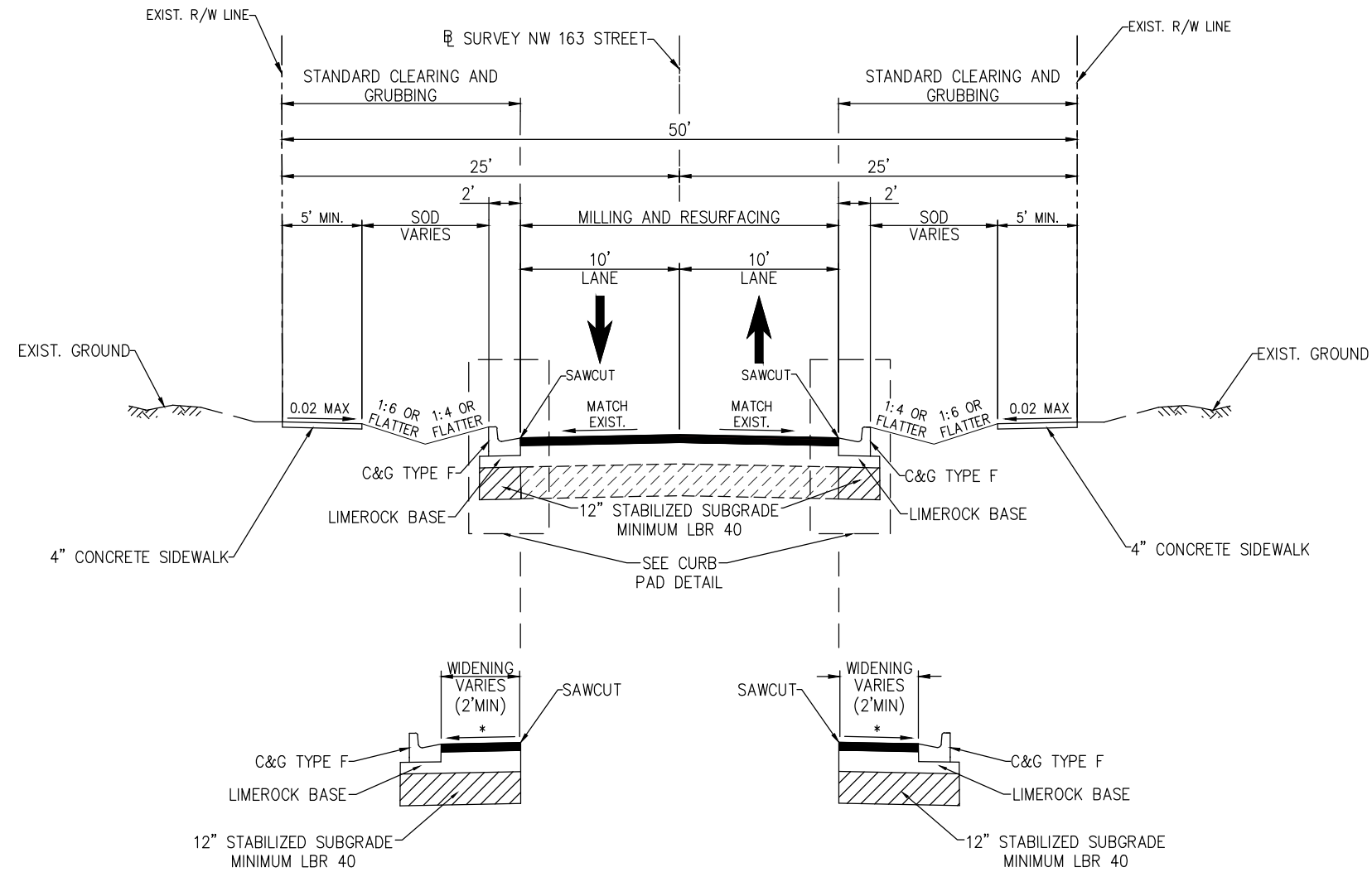
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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 CORAL GABLES, FL 33134  
 PHONE: 305-673-2025  
 WWW.KIMLEY-HORN.COM REGISTRY 696

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE

DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC WORKS  
**MIAMI-DADE COUNTY**  
 HIGHWAY DIVISION  
 STEPHEN P. CLARK CENTER  
 111 NW 1 ST  
 MIAMI, FLORIDA 33128

TYPICAL SECTION



TYPICAL SECTION NW 163 STREET

TRAFFIC CIRCLE IMPROVEMENTS  
 AT N MIAMI AVENUE AND NE 163 STREET

NEW CONSTRUCTION / WIDENING

LIMEROCK BASE (8" THICK) (PRIMED) WITH  
 HMA, FRICTION COURSE, TRAFFIC C, FC-9.5, PG 76-22 (2")

MILLING

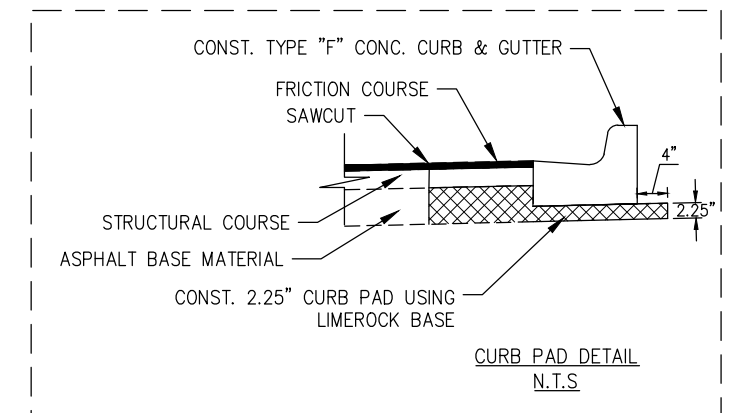
MILL EXISTING ASPHALT PAVEMENT (1" AVG. DEPTH)

OVERBUILD

HMA, TRAFFIC C, SP-9.5 (2" AVG. DEPTH)

RESURFACING

HMA, FRICTION COURSE, TRAFFIC C, FC-9.5, PG 76-22 (1")



NOTE

\* MATCH ADJACENT CROSS SLOPES

DESIGN SPEED 35 MPH  
 POSTED SPEED 30 MPH

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REVISIONS								
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

**Kimley-Horn**  
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 PHONE: 305-673-2025  
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DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC WORKS  
**MIAMI-DADE COUNTY**  
 HIGHWAY DIVISION  
 STEPHEN P. CLARK CENTER  
 111 NW 1 ST  
 MIAMI, FLORIDA 33128

TYPICAL SECTION

SUMMARY OF QUANTITIES

PAY ITEM	DESCRIPTION	UNIT	TOTAL QUANTITY
0101 1	MOBILIZATION (15%)	LS	1
0102 1	MAINTENANCE OF TRAFFIC (15%)	LS	1
0104 10 3	SEDIMENT BARRIER	LF	584
0110 1 1	CLEARING & GRUBBING	AC	0.47
0110 21	TREE PROTECTION BARRIER	LF	216
0110 22	TREE ROOT AND BRANCH PRUNING	EA	2
0120 1	REGULAR EXCAVATION	CY	205.04
0120 6	EMBANKMENT	CY	20
0160 4	TYPE B STABILIZATION	SY	301.15
0285704	OPTIONAL BASE, BASE GROUP 04	SY	9.44
0285706	OPTIONAL BASE, BASE GROUP 06	SY	239.89
0327 70 1	MILLING EXISTING ASPHALT PAVEMENT, 1" AVG DEPTH	SY	1225.21
0334 1 13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C	TN	52.60
0337 7 82	ASPHALTIC CONCRETE FRICTION COURSE, TRAFFIC C, FC-9.5, PG 76-22	TN	86.65
0339 1	MISCELLANEOUS ASPHALT PAVEMENT	TN	0.52
0350 30 13	CONCRETE PAVEMENT FOR ROUNDABOUT APRON, 12" DEPTH	SY	64.75
0425 5 1	MANHOLE, ADJUST, UTILITIES	EA	1
0425 6	VALVES BOXES, ADJUST	EA	3
0425 6 1	METER BOXES, ADJUST	EA	2
0425 1201	INLETS, CURB, TYPE 9, <10'	EA	3
0425 1202	INLETS, CURB, TYPE 9, >10'	EA	1
0425 1521	INLETS, DT BOT, TYPE C, <10'	EA	2
0425 2 42	MANHOLES, P-7, >10'	EA	1
0425 2 72	MANHOLES, J-7, >10'	EA	2
0430 174 118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18"SD	LF	89
0443 70 3	FRENCH DRAIN, 18"	LF	340
0520 1 10	CONCRETE CURB & GUTTER, TYPE F	LF	500.82
0520 2 2	CONCRETE CURB, TYPE B	LF	222.53
0520 2 8	CONCRETE CURB, TYPE RA	LF	109.96
0522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	212.91
0522 2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	116.02
0527 2	DETECTABLE WARNINGS	SF	86.84
0570 1 2	PERFORMANCE TURF, SOD	SY	676.70
0700 1111	SINGLE COLUMN GROUND SIGN ASSEMBLY, F&d GROUND MOUNT, LESS THAN 12 SF	EA	12
0700 1112	SINGLE COLUMN GROUND SIGN ASSEMBLY, F&d GROUND MOUNT, 12.0-20.0 SF	EA	4
0700 1600	SIGN COLUMN GROUND SIGN ASSEMBLY, REMOVE	EA	9
0706 1 3	RAISED PAVEMENT MARKER, TYPE B	EA	102
0710 90	PAINTED PAVEMENT MARKINGS, FINAL SURFACE	LS	1
**	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	191.10
**	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, 2-2 DOTTED EXTENSION LINE, 12" FOR ROUNDABOUT	GM	0.016
**	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROW	EA	4
**	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, YIELD LINE	LF	49
**	PAINTED PAVEMENT MARKINGS, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.16
**	PAINTED PAVEMENT MARKINGS, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.16
0711 11123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	191.10
0711 11144	THERMOPLASTIC, STANDARD, WHITE, 2-2 DOTTED EXTENSION LINE, 12" FOR ROUNDABOUT	GM	0.016
0711 11170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	4
0711 11180	THERMOPLASTIC, STANDARD, WHITE, YIELD LINE	LF	49
0711 14125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	LF	164.78
0711 14160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE	EA	2
0711 16101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.16
0711 16201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.16

PAY ITEM NOTES

- 350-30-13 INCLUDES THE COST OF CONCRETE PAVEMENT FOR ROUNDABOUT APRON AT A DEPTH OF 8". TRUCK APRON SHALL BE INSTALLED AS 8" CONCRETE UTILIZING AMS-STD-595-21105 RED.
- 425-6-1 INCLUDES THE COST FOR COORDINATION WITH MIAMI-DADE WATER AND SEWER DEPARTMENT WHEN NEW BOXES/COVERS ARE REQUIRED TO BE REPLACED. THE COST OF THE INSTALLATION OF THE BOXES/COVERS PROCURED FROM MIAMI-DADE WATER AND SEWER DEPARTMENT.
- 570-1-2 INCLUDES SOD TO BE USED IN THE RESTORATION OF LAWNS AND MAY BE INCREASED OR DECREASED AS DIRECTED BY THE ENGINEER. PENSACOLA OR TO MATCH EXISTING SOD.
- 700-1-111 AND 700-1-112 ALL SIGNS SHALL BE INSTALLED IN ACCORDANCE WITH MIAMI-DADE COUNTY STANDARDS
- 425-12-01, 425-12-02, AND 425-15-21 ALL DRAINAGE STRUCTURES ARE IN ACCORDANCE WITH MIAMI-DADE COUNTY STANDARDS. CURB INLET TYPE 9 AND DITCH BOTTOM INLETS ARE REFERRED TO IN THE ROADWAY PLAN AS P-10M WITH THE CORRESPONDING FRAME AND GRATE. INCLUDES THE COST FOR INLET PROTECTION SYSTEMS.

SUMMARY OF EARTHWORK	
ITEM	QUANTITY
REGULAR EXCAVATION	205.04 C.Y.
EMBANKMENT	20 C.Y.

- SUMMARY OF EARTHWORK IS BASED ON THE CONSTRUCTION OF LIMEROCK BASE 8" THICK AS INDICATED ON THE CROSS SECTIONS.
- ANY EXCAVATED MATERIAL, IF UNSUITABLE, SHALL NOT BE USED IN THE CONSTRUCTION OF THE EMBANKMENT.
- EXCESS MATERIAL TO BE DISPOSED OF BY THE CONTRACTOR IN AREAS PROVIDED BY HIM. NO SEPARATE PAYMENT WILL BE MADE FOR THIS ITEM.

K:\MIB\_Roadway\044789 57 TWO-07-SW 163rd St\CAD\PlanSheets\Summary of Quantities.dwg Sep 29, 2025 - 8:04am CARLOS.FERRER

REVISIONS								
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

**Kimley-Horn**  
2 ALHAMBRA PLAZA, SUITE 500,  
CORAL GABLES, FL 33134  
PHONE: 305-873-2025  
WWW.KIMLEY-HORN.COM REGISTRY 698

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
CHECKED BY			CHECKED BY		
SUPERVISED BY:					

**MIAMI-DADE COUNTY**  
DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS  
HIGHWAY DIVISION  
STEPHEN P. CLARK, CENTER  
111 NW 1 ST  
MIAMI, FLORIDA 33128

SUMMARY OF QUANTITIES

**GENERAL NOTES**

1. B.M. DATA IS NATIONAL GEODETIC VERTICAL DATUM OF 1929 (N.G.V.D.--29).
2. ANY N.G.V.D. BENCH MARK MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED AND PROPERLY REFERENCED BY A REGISTERED-LAND SURVEYOR IN ACCORDANCE WITH THE MINIMUM TECHNICAL STANDARDS OF THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS PRIOR TO BEGINNING WORK AT THE SITE. IF ANY MONUMENT IS IN DANGER OF DAMAGE, THE PROJECT ENGINEER SHALL NOTIFY THE BUREAU OF SURVEYING AND MAPPING, FLORIDA DIVISION OF STATE LANDS, 3900 COMMONWEALTH BLVD., MAIL STATION 100, TALLAHASSEE, FLORIDA 32399-3000 TELEPHONE (850) 245-2118.
3. 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 SHALL BE PROPERLY REFERENCED BY A REGISTERED-LAND SURVEYOR IN ACCORDANCE WITH THE MINIMUM TECHNICAL STANDARDS OF THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS PRIOR TO BEGINNING WORK AT THE SITE. THE CONTRACTOR SHALL RETAIN THE LAND SURVEYOR TO REFERENCE, AND RESTORE UPON COMPLETION OF THE WORK, ALL SUCH CORNERS AND MONUMENTS AND SHALL FURNISH TO MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS (MDC DTPW) A SIGNED AND SEALED COPY OF THE LAND SURVEYOR'S REFERENCE DRAWING.
4. ALL STATIONS AND OFFSETS REFER TO BASELINE OF SURVEY, UNLESS OTHERWISE STATED.
5. ALL GRADES SHOWN IN PLAN ARE FINISHED GRADES. THOSE ELEVATIONS THAT INCLUDE A ± REFER TO MATCHING EXISTING ELEVATIONS.
6. THE CONTRACTOR SHALL PAINT ALL STATIONS WITH STENCILED NUMBERS ON THE FACE OF CURB:
  - A. FROM THE BEGINNING OF THE PROJECT WHERE THE CURB IS TO REMAIN.
  - B. AT NEW CURB NOT LATER THAN 72 HOURS AFTER BEING POURED.
  - C. WHERE CURB DOES NOT EXIST AND SHALL NOT BE CONSTRUCTED.
 THE CONTRACTOR SHALL MAINTAIN STATIONING WITH SURVEYING STAKES. CONTRACTOR SHALL MAINTAIN THE STATION MARKS VISIBLE UNTIL FINAL INSPECTION.
7. ALL CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS (MDC DTPW), AND ANY OTHER STATE OR LOCAL AGENCY WITH JURISDICTION. IT IS THE INTENT OF THESE PLANS TO BE IN ACCORDANCE WITH APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION. ANY DISCREPANCIES BETWEEN THESE PLANS AND APPLICABLE CODES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
8. CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE EPA AND THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES).
9. THE LOCATION AND SIZE OF THE UTILITIES SHOWN IN THE PLANS ARE BASED ON THE BEST AVAILABLE INFORMATION AND SHOULD BE CONSIDERED APPROXIMATE ONLY. ADDITIONAL UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL VERIFY ALL UTILITIES BY ELECTRONIC METHODS AND BY PRE-TRENCHING 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 ENGINEER AND THE UTILITY AGENCIES. THIS WORK BY THE CONTRACTOR SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
10. CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE-CALL AT 1-(800)-432-4770 AT LEAST 48 HOURS PRIOR TO PERFORMING ANY DIGGING TO VERIFY THE EXACT LOCATION OF EXISTING UTILITIES. A CONTRACTOR'S REPRESENTATIVE MUST BE PRESENT WHEN UTILITY COMPANIES LOCATE THEIR FACILITIES.
11. THE CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD AND UNDERGROUND UTILITIES.
12. MIAMI-DADE WATER AND SEWER DEPARTMENT (MD WASD) REQUIRES THAT ACCESS TO ALL WATER AND SEWER VALVES, SANITARY MANHOLES, AND OTHER CONTROL MECHANISMS BE MAINTAINED THROUGHOUT CONSTRUCTION IN THE EVENT OF AN EMERGENCY TO ENSURE THE PUBLIC HEALTH AND SAFETY. COVERING VALVE BOXES AND MANHOLES CAN BE CONSIDERED UNAUTHORIZED OBSTRUCTION OF AND TAMPERING WITH DEPARTMENT UTILITIES. ALL REQUESTS FOR UTILITY ADJUSTMENTS MUST BE MADE IN WRITING AT LEAST TWO (2) WEEKS IN ADVANCE. FOR MANHOLE AND VALVES, CONTACT THE CONSTRUCTION MANAGEMENT SECTION, PUMP STATIONS UNIT, 3071 SW 38 AVENUE, FAX NO. 305-668-3626. THE DEPARTMENT WILL MAKE ONE FINAL AND PERMANENT ADJUSTMENT AT NO COST TO THE REQUESTING AGENCY. FOR THE ADJUSTMENT OF WATER METERS, CONTACT THE CHIEF OF METER OPERATIONS AND MAINTENANCE, FAX NO. 305-545-3482. FOR ANY FIRE HYDRANTS THAT ARE DAMAGED OR BUMPED DURING CONSTRUCTION, CONTACT THE MDWASD HYDRANT SHOP AT 305-805-4575 BEFORE POURING CONCRETE FOR THE SIDEWALK. IN THE EVENT OF A WATER OR SEWER EMERGENCY, CONTACT MIAMI-DADE WATER AND SEWER DEPARTMENT AT 305-274-9272. THIS LINE IS OPEN 24 HOURS, 7 DAYS A WEEK.
13. KNOWN UTILITY COMPANIES IN THE PROJECT LIMITS INCLUDE, BUT ARE NOT LIMITED TO:
 

AGENCY	CONTACT NAME	CONTACT PHONE	CONTACT EMAIL
AT&T	DINO FARRUGGIO	561-997-0240	G27896@ATT.COM
COMCAST	RICARDO DAVIDSON	786-586-8505	RICARDOA_DAVIDSON@COMCAST.COM
DADE COUNTY PUBLIC WORKS AND TRAFFIC	OCTAVIO VIDAL	(305) 412-0891 x201	OVIDAL@HTLOCATING.COM
FLORIDA CITY GAS	MICHAEL BRAD TERMINI	(321) 213-8254	FCC-ENGINEERING.SHAREDMAILBOX@NEXTERAENERGY.COM
FLORIDA POWER AND LIGHTING (FPL) DISTRIBUTION	EDGAR AGUILAR	386-586-6403	EDGAR.AGUILAR@FPL.COM
MIAMI-DADE WATER & SEWER DEPT	MARIA CAPOTE	786-268-5329	MARIA.CAPOTE@MIAMIDADE.GOV
14. 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.
15. ANY DAMAGE TO PUBLIC OR PRIVATE PROPERTY SHALL BE RESTORED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
16. ANY ENCROACHMENT WITHIN THE LIMITS OF CONSTRUCTION SHALL BE RELOCATED OR PROTECTED BY THE ADJACENT PROPERTY OWNER AT THEIR EXPENSE.
17. CLEARING AND GRUBBING, GRADING AND OTHER INCIDENTAL WORK NECESSARY FOR HARMONIZATION OUTSIDE R/W SHALL BE INCLUDED IN RELATED BID ITEMS.
18. ALL GRASS AREAS AFFECTED BY CONSTRUCTION SHALL BE RE-SODDED. COST TO BE INCLUDED UNDER PAY ITEM 570-1-2.
19. THE CONTRACTOR SHOULD TAKE SPECIAL NOTE OF SOIL CONDITIONS THROUGHOUT THIS PROJECT. ANY SPECIAL SHORING, SHEETING OR OTHER PROCEDURES NECESSARY TO PROTECT ADJACENT PROPERTY, PUBLIC OR PRIVATE, DURING THE EXCAVATION OF SUBSOIL MATERIAL AND EXFILTRATION TRENCH, OR FILLING OF ANY AREA, OR FOR ANY OPERATION DURING CONSTRUCTION, SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
20. IF SHEETING, SHORING, OR DEWATERING, INCLUDING WELL POINTS ARE NECESSARY, THE CONTRACTOR MUST MONITOR AND CONTROL ALL WORK THAT MAY CAUSE CRACKING TO ANY ADJACENT BUILDING, STRUCTURE, OR PROPERTY AREA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES CAUSED BY THESE OPERATIONS. COST OF SHEETING, SHORING, OR DEWATERING SHALL BE INCLUDED IN THE RELATED BID ITEM FOR THE WORK BEING DONE.
21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE DEWATERING PERMIT (IF NEEDED). COST OF THE PERMIT AND DEWATERING SHALL BE INCLUDED IN THE RELATED BID ITEM FOR THE WORK BEING DONE.
22. THE CONTRACTOR WILL RESTRICT PERSONNEL, THE USE OF EQUIPMENT, AND THE STORAGE OF MATERIALS TO AREAS WITHIN THE LIMITS OF CONSTRUCTION AND DESIGNATED STAGING AREA. DESIGNATED STAGING AREAS ARE THOSE IDENTIFIED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
23. EXPLORATORY OR PRE-TRENCHING IN THE ALIGNMENT AND GRADE OF PROPOSED PIPES STRUCTURES, FRENCH DRAINS, CONDUITS, POLE FOUNDATIONS, ANY OTHER FEATURE REQUIRING EXCAVATION AND/OR SUB-GRADE SHALL BE PERFORMED SEVEN BUSINESS DAYS IN ADVANCE OF ITS CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE UNDERGROUND UTILITY OWNERS AND MDC DTPW WITH IMMEDIATE NOTIFICATION OF ANY CONFLICT WITH PROPOSED CONSTRUCTION. THIS NOTIFICATION SHALL PROVIDE SURVEY INFORMATION ABOUT EXISTING UTILITY ALIGNMENT, GRADE AND POSSIBLE CONFLICTS. PAYMENT FOR EXPLORATORY OR PRE-TRENCHING, SURVEY AND BACKFILLING SHALL BE INCLUDED IN THE COST OF THE RELATED BID ITEM FOR THE WORK BEING DONE. CONTRACTOR SHALL FIELD VERIFY BY PRE-TRENCHING, HAND EXCAVATION, OR SOFT DIGS THE LOCATIONS OF ALL PROPOSED DRAINAGE STRUCTURES PRIOR TO SUBMITTING SHOP DRAWINGS. IF ANY CONFLICTS ARE IDENTIFIED, THE ENGINEER SHALL BE NOTIFIED. COST FOR THIS WORK TO BE INCLUDED IN THE RELATED BID ITEMS.
24. ALL DITCH EXCAVATIONS SHALL BE PERFORMED IN FULL COMPLIANCE WITH THE PROVISIONS OF THE TRENCH SAFETY ACT.
25. ALL EXCESS MATERIAL, AS DESIGNATED BY THE ENGINEER, IS TO BE DISPOSED BY THE CONTRACTOR IN AREAS PROVIDED BY HIM WITHIN 72 HOURS OF BEING DEPOSITED IN THE CONSTRUCTION AREA AND AT THE CONTRACTOR'S EXPENSE.
26. ALL DISPOSAL OF MATERIALS, RUBBISH, AND DEBRIS SHALL BE MADE AT A LEGAL DISPOSAL SITE OR BY OTHER PRIOR APPROVED MANNER. MATERIAL CLEARED FROM THE SITE AND DEPOSITED ON ADJACENT OR NEARBY PROPERTY WILL NOT BE CONSIDERED AS HAVING BEEN DISPOSED OF SATISFACTORILY.
27. ANY KNOWN OR SUSPECTED HAZARDOUS MATERIAL FOUND ON THE PROJECT BY THE CONTRACTOR SHALL BE IMMEDIATELY REPORTED TO THE PROJECT ENGINEER, WHO SHALL DIRECT THE CONTRACTOR TO PROTECT THE AREA OF KNOWN OR SUSPECTED CONTAMINATION FROM FURTHER ACCESS. THE ENGINEER WILL ARRANGE FOR INVESTIGATION, IDENTIFICATION, AND REMEDIATION OF THE HAZARDOUS MATERIAL. THE CONTRACTOR SHALL NOT RETURN TO THE AREA OF CONTAMINATION UNTIL APPROVAL IS PROVIDED BY THE PROJECT ENGINEER.
28. EXISTING ABOVE GROUND FEATURES ARE SHOWN ACCORDING TO THE BEST AVAILABLE DATA AND MAY NOT ACCURATELY REFLECT PRESENT CONDITIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH CURRENT SITE CONDITIONS, AND SHALL REPORT DISCREPANCIES TO THE ENGINEER PRIOR TO STARTING WORK.
29. CONTRACTOR IS TO VERIFY THE EXACT LOCATION OF ALL EXISTING TREES, STRUCTURES AND UTILITIES, WHICH MAY NOT BE SHOWN ON PLANS. ANY STRUCTURE, PAVEMENT, OR OTHER EXISTING IMPROVEMENT NOT SPECIFIED FOR REMOVAL WHICH IS TEMPORARILY DAMAGED, EXPOSED OR IN ANY WAY DISTURBED BY CONSTRUCTION PERFORMED UNDER THIS CONTRACT, SHALL BE REPAIRED, PATCHED OR REPLACED AT NO ADDITIONAL COST TO THE OWNER.
30. THE CONTRACTOR SHALL USE A STREET SWEEPER (USING WATER) OR OTHER EQUIPMENT CAPABLE OF CONTROLLING AND REMOVING DUST. APPROVAL OF THE USE OF SUCH EQUIPMENT IS CONTINGENT UPON ITS DEMONSTRATED ABILITY TO DO THE WORK. COST TO BE INCLUDED IN PAY ITEM 102-1, MAINTENANCE OF TRAFFIC.
31. THE CONTRACTOR SHALL PREPARE AND SUBMIT SHOP DRAWINGS FOR ALL ITEMS USED IN THIS PROJECT.
32. WHEN DISSIMILAR MATERIAL CONNECTIONS ARE MADE, SUCH AS CONCRETE TO METAL, THE DISSIMILAR MATERIAL SHALL BE SEPARATED BY COATING THE CONTACT SURFACE WITH BITUMASTIC MATERIAL.
33. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING EXISTING AND NEW INLETS CLEAN OF MILLING MATERIAL, LIMEROCK, DEBRIS, ETC. DURING THE CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER. ALL LINES AND STRUCTURES SHALL BE CLEANED PRIOR TO FINAL INSPECTION AND ACCEPTANCE. COST TO BE INCLUDED IN 104-18, INLET PROTECTION SYSTEM.
34. CAST IRON PRODUCTS: HEAVY-DUTY CLASSIFICATION SUITABLE FOR HIGHWAY TRAFFIC LOADS OR 18,000 LBS WHEEL LOADS.
35. STEEL GRATING AND COVERS: TRAFFIC CLASSIFICATION H-20; 16,000 LBS OVER 8"x20" AREA.
36. EXISTING DRAINAGE STRUCTURES WITHIN THE LIMITS OF RECONSTRUCTION TO REMAIN UNLESS OTHERWISE NOTED IN THE PLANS.
37. EXISTING MANHOLES AND INLETS SCHEDULED TO REMAIN SHALL BE THOROUGHLY CLEANED BY REMOVING ALL DEBRIS AND SEDIMENTS, AND THE INTERIOR SHALL BE SEALED WITH AN APPROVED NON-TOXIC BITUMASTIC SEALANT.
38. PRIOR TO CONSTRUCTION THE CONTRACTOR WILL INSPECT ALL EXISTING STRUCTURES WHICH ARE TO REMAIN AND NOTIFY THE ENGINEER OF ANY OBVIOUS STRUCTURAL DEFICIENCIES.
39. CONTRACTOR SHALL ADJUST ALL EXISTING VALVES, CATCH BASINS, GRATES, AND STORM MANHOLE COVERS TO MEET NEW GRADES WHERE APPLICABLE.
40. OFFSET AND ELEVATION SHOWN AT DRAINAGE STRUCTURES REFER TO FDOT OFFSET LOCATION UNLESS OTHERWISE NOTED.
41. RADII ON CURB RETURNS ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
42. THERE SHALL BE NO MORE THAN THREE LATERAL DRAINAGE INSTALLATIONS WITHOUT BACKFILLING. BACKFILLING OF LATERAL DRAINAGE SHALL NOT LAG MORE THAN 72 HOURS BEHIND THE START OF EXCAVATION.
43. SPECIAL ATTENTION IS DIRECTED TO THE FACT THAT PORTIONS OF DRAINAGE STRUCTURES EXTEND INTO THE STABILIZED PORTION OF THE ROADBED AND EXTREME CAUTION SHOULD BE USED IN THE STABILIZING OPERATIONS AT THESE LOCATIONS.
44. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROVISION, INSTALLATION, AND MAINTENANCE OF ALL TRAFFIC CONTROL AND SAFETY DEVICES, IN ACCORDANCE WITH SPECIFICATIONS OUTLINED IN THE PUBLIC WORKS DEPARTMENT MANUAL, THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, AND THE FDOT STANDARD PLANS.
45. WHERE NEW PAVEMENT MEETS EXISTING, CONNECTION SHALL BE MADE IN A NEAT STRAIGHT LINE AND FLUSH WITH THE EXISTING PAVEMENT.
46. THE LOCATION OF SOME DRIVEWAYS IS APPROXIMATE. VERIFICATION OF EXACT LOCATION AND DIMENSIONS IS RECOMMENDED. COST TO BE INCLUDED IN PAY ITEM 522-2.
47. EXISTING DRIVEWAYS WITHIN THE LIMITS OF THIS PROJECT IMPACTED BY CONSTRUCTION ARE TO BE REPLACED AT THE SAME LOCATION AND WIDTH, UNLESS OTHERWISE SHOWN IN PLANS.
48. WHERE CONNECTIONS TO EXISTING SIDEWALKS AND DRIVEWAYS ARE NOT INDICATED ON PLANS, PROPER CONNECTIONS ARE TO BE MADE AS DIRECTED BY THE ENGINEER. DROP CURB AND DRIVEWAY CONNECTIONS SHALL BE PROVIDED FOR ACCESS TO ALL PRIVATE PROPERTIES ADJACENT TO THE PROJECT. PAYMENT SHALL BE INCLUDED IN THE COST OF RELATED BID ITEMS.
49. CONTRACTOR TO INSTALL ½" PREFORMED EXPANSION JOINT WHEN PROPOSED SIDEWALK IMPROVEMENTS IS IMMEDIATELY ADJACENT TO EXISTING CONCRETE SLAB AND/OR BUILDING.
50. COMPLETE AS-BUILT INFORMATION RELATIVE TO LOCATION AND DEPTH OF PIPES, MANHOLES, ETC. SHALL BE ACCURATELY RECORDED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER PRIOR TO FINAL ACCEPTANCE OF THE WORK. ALL ELEVATIONS SHALL BE TAKEN BY A FLORIDA REGISTERED SURVEYOR AND SHOWN ON THE RECORD DRAWINGS.
51. DESIGN WATER TABLE ELEVATION: 2.25 FT-NGVD
52. THE INFORMATION PROVIDED IN THESE DRAWINGS IS SOLELY TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF CONDITIONS WHICH WILL BE ENCOUNTERED DURING THE COURSE OF WORK. THE CONTRACTORS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT WHATEVER INVESTIGATIONS THEY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSION REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED, AND UPON WHICH BIDS WILL BE BASED.
53. THE CONTRACTOR MUST MAINTAIN CLEARANCES AS REQUIRED BY OSHA WHILE WORKING IN THE PROXIMITY OF FPL'S HIGH-VOLTAGE TRANSMISSION CONDUCTORS AND LOW VOLTAGE DISTRIBUTION CONDUCTORS.
54. THE ROADWAY CONTRACTOR MUST MAINTAIN ACCESS TO ALL FPL FACILITIES AT ALL TIMES DURING CONSTRUCTION.
55. ALL EXISTING FACILITIES MUST REMAIN ENERGIZED DURING ROAD CONSTRUCTION.
56. CONTRACTOR SHALL FIELD VERIFY BY PRE-TRENCHING, HAND EXCAVATION, OR SOFT DIGS THE LOCATIONS OF ALL PROPOSED LIGHT POLES AND DRAINAGE STRUCTURES PRIOR TO SUBMITTING SHOP DRAWINGS, IF ANY CONFLICTS ARE IDENTIFIED, THE ENGINEER SHALL BE NOTIFIED. COST FOR THIS WORK TO BE INCLUDED IN THE RELATED BID ITEMS.
57. LIMITS OF 4" CONCRETE AND 6" CONCRETE TO BE DETERMINED BY CONTRACTOR IN ACCORDANCE WITH FDOT STANDARD 522-001.
58. CONTRACTOR SHALL REPLACE ALL AFFECTED DRIVEWAYS WITH THE SAME MATERIAL AND COLORS AS CURRENT, UNLESS STATED OTHERWISE IN THE PLANS.
59. TREE IMPACTS ASSOCIATED WITH THIS PROJECT SHALL BE RESTRICTED TO TREE ROOT AND BRANCH PRUNING FOR THE CONSTRUCTION OF CURB AND GUTTER, SIDEWALKS, RAMPS, AND DRAINAGE IMPROVEMENTS. ALL TREES WITHIN THE PROJECT LIMITS ARE TO REMAIN UNLESS CALLED OUT OTHERWISE ON THE PLANS, AND SHALL BE PROTECTED FROM CONSTRUCTION IMPACTS. ANY ADDITIONAL IMPACTS TO TREES WOULD NEED TO BE COORDINATED WITH PLEMO PRIOR TO THE IMPACT OCCURRING. COST TO PROVIDE A CERTIFIED ARBORIST TO PROVIDE PROPER ROOT PRUNING AND TRIMMING METHODS, AND THE COST OF PERFORMING THE TREE ROOT AND BRANCH PRUNING, TO BE INCLUDED IN 0110 22 AND 0110 23.
60. CENTRAL ISLAND TREATMENT: EXISTING ASPHALT PAVEMENT AND BASE TO BE REMOVED; EXISTING STABILIZATION TO BE SCARIFIED AND RE-COMPACTED AS EMBANKMENT MATERIAL. COST TO BE INCLUDED IN 0570 1 2.
61. DELIVER AND UNLOAD THE REMOVED STREET SIGNS TO MIAMI-DADE COUNTY DEPARTMENT OF PUBLIC WORKS TRAFFIC SIGNALS AND SIGNS DIVISION AT 7100 NW 36TH STREET, MIAMI, FLORIDA 33166
62. FOR ANY EXCAVATION, CONSTRUCTION, MAINTENANCE, OR SUPPORT ACTIVITIES PERFORMED BY OR ON BEHALF OF MIAMI-DADE COUNTY, WITHIN ITS R/W, THE CONTRACTOR/UTILITY AGENCY OWNER (UAO) SHALL PERFORM THE FOLLOWING ACTIVITIES WHEN PHYSICALLY EXPOSING UNDERGROUND UTILITIES; PROVIDE ANY NECESSARY SUPPORT TO UTILITIES AND/OR COVER, DE-ENERGIZE OR ALTER AERIAL UTILITIES AS DEEMED NECESSARY FOR THEIR PROTECTION AND SAFETY; AND/OR TAKE ANY ACTION REQUIRED IN ORDER TO FACILITATE THE WORK IN A SAFE AND EFFICIENT MANNER.

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

**Kimley-Horn**  
2 ALHAMBRA PLAZA, SUITE 500,  
CORAL GABLES, FL 33134  
PHONE: 305-873-2025  
WWW.KIMLEY-HORN.COM REGISTRY 098

DESIGNED BY	DATE	DRAWN BY	DATE	CHECKED BY	DATE	SUPERVISED BY

**MIAMI-DADE COUNTY**  
DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS  
HIGHWAY DIVISION  
STEPHEN P. CLARK CENTER  
111 NW 1 ST  
MIAMI, FLORIDA 33128

GENERAL NOTES

K:\MIL\_Roadway\04-769 57 TWO-07-SW 163rd St\DAO\PlanSheets\General Notes.dwg Oct 21, 2025 - 1:44pm HUZAFALUKMANI

**STORMWATER POLLUTION PREVENTION PLAN**

**NARRATIVE DESCRIPTION**

THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) NARRATIVE DESCRIPTION CONTAINS REFERENCES TO THE CONTRACT DOCUMENTS, THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL (E&S MANUAL), THE FDOT DESIGN STANDARDS, AND OTHER SHEETS OF THESE CONSTRUCTION PLANS. THE COMPLETE SWPPP IS COMPRISED OF SEVERAL ITEMS INCLUDING: THIS NARRATIVE DESCRIPTION, THE DOCUMENTS REFERENCED IN THIS NARRATIVE, THE CONTRACTOR'S APPROVED EROSION CONTROL PLAN (ECP) PREPARED AND SUBMITTED IN ACCORDANCE WITH CONTRACT DOCUMENTS, AND REPORTS OF INSPECTIONS MADE DURING CONSTRUCTION. ALL OF WHICH ARE COMPLEMENTARY TO THE SIGNED AND CERTIFIED SWPPP IF ONE IS PROVIDED BY THE DEPARTMENT. CONTRACTOR IS REQUIRED TO MAINTAIN COPIES OF THE AFOREMENTIONED ITEMS ON SITE, INCLUDING ALL APPLICABLE PERMITS.

**1. SITE DESCRIPTION**

- A. NATURE OF CONSTRUCTION ACTIVITIES:  
 THE PROJECT CONSIST OF PROPOSING A NEW TRAFFIC CIRCLE AT THE INTERSECTION OF NORTH MIAMI AVENUE AND 195TH STREET. THE TYPICAL SECTION IS A TWO LANE UNDIVIDED RESIDENTIAL ROAD WITH CURB & GUTTER AND SIDEWALK. OTHER ACTIVITIES INCLUDED ARE SIGNING AND PREVENTION MARKING AND LIGHTING IMPROVEMENTS. THE PROPOSED DRAINAGE SYSTEM UTILIZES CURB INLETS, MANHOLES, AND FRENCH DRAIN.
- B. SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES: THE CONTRACTOR SHALL PROVIDE IN THE ECP A DETAILED SEQUENCE OF CONSTRUCTION FOR ALL CONSTRUCTION ACTIVITIES. EACH CONSTRUCTION PHASE REQUIRES THE INSTALLATION OF PERIMETER CONTROL, AFTER CLEARING AND GRUBBING AS NECESSARY FOR THE INSTALLATION OF THE CONTROLS, PRIOR TO BEGINNING ANY WORK. THE CONTRACTOR SHALL FOLLOW THE SEQUENCE OF MAJOR ACTIVITIES BELOW, UNLESS THE CONTRACTOR PROPOSES A DIFFERENT SEQUENCE THAT IS EQUAL OR BETTER AT CONTROLLING EROSION AND TRAPPING SEDIMENT AND IS APPROVED BY THE ENGINEER.
  - 1) CLEARING AND GRUBBING, AND EARTHWORK.
  - 2) FINAL GRADING AND LANDSCAPING WHERE NECESSARY.
- C. AREA ESTIMATES (ACRE)
  - 1) TOTAL SITE AREA: 0.54
  - 2) TOTAL AREA OF THE SITE THAT IS EXPECTED TO BE DISTURBED: 0.14
- D. EXISTING DATA DESCRIBING THE SOIL OR THE QUALITY OF ANY DISCHARGE FROM THE SITE AND AN ESTIMATE OF THE SIZE OF THE DRAINAGE AREA FOR EACH DISCHARGE POINT:
  - 1) RATIONAL RUNOFF COEFFICIENT
    - A) BEFORE: 0.64
    - B) DURING: 0.75
    - C) AFTER CONSTRUCTION: 0.75
  - 2) EXISTING DATA DESCRIBING THE SOIL OR THE QUALITY OF DISCHARGE FROM THE SITE: ACCORDING TO THE UNITED STATES DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE SOIL SURVEY REPORT OF DADE COUNTY AREA, FLORIDA, THE SOILS ENCOUNTERED ON THE PROJECT ARE SILTY SAND WITH THE UNDERLYING SOIL BEING SAND WITH TRACES OF ROCK FRAGMENTS.
  - 3) THE SIZE OF THE DRAINAGE AREA FOR EACH OUTFALL
    - A) THIS PROJECT HAS NO OUTFALLS.
  - 4) THE LOCATION OF EACH OUTFALL IS NOT APPLICABLE TO THIS PROJECT.
- E. SITE MAP: THE ASSOCIATED CONSTRUCTION PLAN SHEETS AND CROSS SECTIONS WILL BE USED AS THE SITE MAP. LOCATIONS OF THE REQUIRED INFORMATION ARE DESCRIBED BELOW. THE SHEET NUMBERS FOR ALL ITEMS DISCUSSED ARE IDENTIFIED ON THE COVER SHEET OF THE CONSTRUCTION PLANS.
  - 1) DRAINAGE PATTERNS AND APPROXIMATE SLOPES ANTICIPATED AFTER MAJOR GRADING ACTIVITIES: THE SLOPES OF THE SITE CAN BE SEEN ON THE CONSTRUCTION PLAN SHEETS.
  - 2) AREAS OF SOIL DISTURBANCE: THE AREAS TO BE DISTURBED ARE INDICATED ON THE CONSTRUCTION PLAN DETAIL SHEETS. ANY AREAS WHERE PERMANENT FEATURES ARE SHOWN TO BE CONSTRUCTED ABOVE OR BELOW GROUND WILL BE DISTURBED.
  - 3) AN OUTLINE OF AREAS WHICH MAY NOT BE DISTURBED: THESE AREAS OF THE PROJECT OUTSIDE THE CLEARING AND GRUBBING AND CONSTRUCTION ACTIVITIES WHICH ARE COMPRISED OF THOSE THAT ARE NOT SUBJECT TO ANY SOIL DISTURBING ACTIVITIES.
  - 4) THE LOCATION OF MAJOR STRUCTURAL AND NONSTRUCTURAL CONTROLS IDENTIFIED IN THE PLAN: TEMPORARY SEDIMENT CONTROL DEVICES SHALL BE INSTALLED AT ALL LOCATIONS WHERE DISTURBANCE OF SOLIDS WILL OCCUR. ADDITIONAL MEASURES MAY BE REQUIRED AS NECESSARY WHERE STORMWATER RUNOFF HAS THE POTENTIAL TO REACH SURFACE WATERS OR OFFSITE STORMWATER COLLECTION FACILITIES.
  - 5) THE LOCATION OF AREAS WHERE STABILIZATION PRACTICES ARE EXPECTED TO OCCUR, SURFACE WATERS, WETLANDS AND LOCATIONS WHERE STORMWATER IS DISCHARGED TO A SURFACE WATER OR MS4: AREAS OF PERMANENT STABILIZATION ARE SHOWN ON THE CONSTRUCTION PLAN SHEETS AND CONSTRUCTION DETAIL SHEETS.
- F. DISCHARGE POINT(S): N/A. THIS PROJECT HAS NO OUTFALL.

**2. CONTROLS**

- A. EROSION AND SEDIMENT CONTROLS: THE CONTRACTOR SHALL DESCRIBE IN THE ECP THE PROPOSED STABILIZATION AND STRUCTURAL PRACTICES. THE CONTRACTOR MAY CHOOSE TO ACCEPT THE FOLLOWING GUIDELINES OR MODIFY THEM IN THE ECP, SUBJECT TO APPROVAL BY THE ENGINEER. AS WORK PROGRESSES, THE CONTRACTOR SHALL MODIFY THE PLAN TO ADAPT TO SEASONAL VARIATION, CHANGES IN CONSTRUCTION ACTIVITIES, AND THE NEED FOR BETTER MANAGEMENT PRACTICES. FOR EACH CONSTRUCTION PHASE INSTALL PERIMETER CONTROLS AFTER CLEARING AND GRUBBING NECESSARY FOR INSTALLATION OF CONTROLS BUT BEFORE BEGINNING OTHER WORK FOR THE CONSTRUCTION PHASE. REMOVE PERIMETER CONTROLS ONLY AFTER ALL UPSTREAM AREAS ARE STABILIZED. IN ADDITION:
  - . FURNISH AND PLACE INLET PROTECTION SYSTEMS TO CONTROL EROSION AND SILTATION.
  - . INSTALL SOIL TRACKING PREVENTION DEVICES (STPDS) AT ALL COMMON AREAS WHERE CONSTRUCTION VEHICLES WILL BE ENTERING AND EXITING THE CONSTRUCTION SITE.
  - . SEDIMENT BARRIERS SHALL BE INSTALLED AND AT THE TOE OF SLOPE OF EMBANKMENTS AND AT LOCATIONS AS DESCRIBED IN THE EROSION AND SEDIMENT CONTROL DETAILS AND E&S MANUAL.
  - . INLET PROTECTION SHALL BE USED FOR ALL EXISTING INLETS SUBJECT TO SEDIMENT RUNOFF.

- . EROSION CONTROL MATS MAY BE UTILIZED AS AN EXTRA MEASURE OF PROTECTION FOR EMBANKMENT OR BERM CONSTRUCTION TO PREVENT EROSION.
- . CLEARING AND GRUBBING OPERATIONS WILL BE CONTROLLED SO AS TO MINIMIZE UNPROTECTED ERODIBLE AREAS EXPOSED TO WEATHER. AREAS OUTSIDE THE LIMITS OF CONSTRUCTION SHALL NOT BE DISTURBED.
- . EXCAVATED MATERIAL SHALL NOT BE DEPOSITED IN LOCATIONS WHERE THE MATERIAL COULD BE WASHED AWAY BY HIGH WATER, RAIN OR STORMWATER RUNOFF. STOCKPILES SHALL BE COVERED OR ENCIRCLED WITH SEDIMENT DEVICES.
- 1) STABILIZATION PRACTICES: IN THE ECP, THE CONTRACTOR SHALL DESCRIBE THE STABILIZATION PRACTICES PROPOSED TO CONTROL EROSION. THE CONTRACTOR SHALL INITIATE ALL STABILIZATION MEASURES AS SOON AS PRACTICAL, BUT IN NO CASE MORE THAN 7 DAYS, IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. THE STABILIZATION PRACTICES SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
  - A) TEMPORARY: INCLUDES SOD, MULCH, AND ARTIFICIAL COVERINGS IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
  - B) PERMANENT: INCLUDES ASPHALT OR CONCRETE SURFACE, SOD, ROADSIDE SWALES, AND ENDWALLS IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- 2) STRUCTURAL PRACTICES: IN THE ECP, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED STRUCTURAL PRACTICES TO CONTROL AND TRAP SEDIMENT AND OTHERWISE PREVENT THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE. SEDIMENT CONTROLS SHALL BE IN PLACE BEFORE DISTURBING SOIL UPSTREAM OF THE CONTROL. THE STRUCTURAL PRACTICES SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
  - A) TEMPORARY: INCLUDES INLET PROTECTION SYSTEMS, SEDIMENT BARRIERS, TURBIDITY BARRIERS AND SOIL TRACKING PREVENTION DEVICES AS PER THE E&S MANUAL AND THE CONTRACT DOCUMENTS. SEE EROSION AND SEDIMENT CONTROL DETAILS FOR MORE INFORMATION. ALL SEDIMENT CONTROLS SHALL BE IN PLACE PRIOR TO ANY SOIL DISTURBING ACTIVITY.
  - B) PERMANENT: INCLUDES ROADSIDE SWALES.
- B. PERMANENT STORMWATER MANAGEMENT CONTROLS: STORMWATER RUNOFF WILL BE CONVEYED IN A ROADSIDE SWALE TO THE FRENCH DRAIN AND WILL INFILTRATE INTO THE GROUND. DRAINAGE STRUCTURES WITHIN THE CORRIDOR CONSIST OF CURB INLETS, MANHOLES, AND FRENCH DRAIN.
- C. CONTROL FOR OTHER POTENTIAL POLLUTANTS: THE CONTRACTOR SHALL PRACTICE GOOD HOUSEKEEPING BY INSTITUTING A CLEAN, ORDERLY CONSTRUCTION SITE. THE FOLLOWING CONTROLS SHALL BE IMPLEMENTED TO FURTHER REDUCE POLLUTION AT THE PROJECT SITE:
  - 1) WASTE DISPOSAL: IN THE ECP, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED METHODS TO PREVENT THE DISCHARGE OF SOLID MATERIALS, INCLUDING BUILDING MATERIALS, TO WATERS OF THE UNITED STATES. THE PROPOSED METHODS SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER:
    - A) THE CONTRACTOR SHALL DEMONSTRATE THE PROPER DISPOSAL OF ALL CONSTRUCTION WASTE GENERATED WITHIN THE PROJECT LIMITS. WASTE MAY INCLUDE, BUT NOT BE LIMITED TO, VEGETATION FROM CLEARING AND GRUBBING ACTIVITIES, PACKAGING MATERIALS, SCRAP BUILDING MATERIALS, LITTER FROM TRAVELING PUBLIC, SEWAGE FROM SANITARY FACILITIES, HERBICIDES AND PESTICIDES AND THEIR CONTAINERS, AND HYDROCARBON PRODUCTS. CONTRACTOR SHALL DESIGNATE A WASTE COLLECTION AREA ONSITE AND DELINEATE THE AREA ON THE SWPPP SITE MAP.
    - B) SANITARY/SEPTIC FACILITIES SHALL BE PROVIDED AND MAINTAINED IN A NEAT AND SANITARY CONDITION, FOR THE USE OF THE CONTRACTOR'S EMPLOYEES AS NECESSARY TO COMPLY WITH THE REQUIREMENTS AND REGULATIONS OF THE STATE AND LOCAL BOARDS OF HEALTH. A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR AS REQUIRED BY STATE REGULATIONS WILL COLLECT ALL SANITARY WASTE FROM PORTABLE UNITS.
    - C) THE CONTRACTOR WILL PROVIDE LITTER CONTROL AND COLLECTION WITHIN THE PROJECT LIMITS DURING CONSTRUCTION ACTIVITIES. CONTRACTOR WILL PROVIDE AN ADEQUATE NUMBER OF LITTER CONTAINERS WITH LIDS AT THE STAGING, STOCKPILE AND FIELD OFFICE AREAS (AS APPLICABLE). WASTE COLLECTION WILL BE SCHEDULED SO THAT CONTAINERS ARE EMPTIED PRIOR TO OVERFLOW. SPILLED LITTER CONTAINERS WILL BE CLEANED UP IMMEDIATELY.
  - 2) OFF-SITE VEHICLE TRACKING & GENERATION OF DUST: IN THE ECP, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED METHODS FOR MINIMIZING OFFSITE VEHICLE TRACKING OF SEDIMENTS AND GENERATING DUST. THE PROPOSED METHODS SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
    - A) STABILIZING CONSTRUCTION ENTRANCES AS NECESSARY ACCORDING TO THE E&S MANUAL AND THE CONTRACT DOCUMENTS.
    - B) THE CONTRACTOR SHALL TAKE MEASURES TO INSURE THE CLEANUP OF SEDIMENTS THAT HAVE BEEN TRACKED BY VEHICLES OR HAVE BEEN TRANSPORTED BY WIND OR STORMWATER ABOUT THE SITE OR ONTO NEARBY ROADWAYS.
    - C) REMOVING EXCESS DIRT FROM ROADS DAILY.
    - D) USING ROADWAY SWEEPERS DURING DUST GENERATING ACTIVITIES SUCH AS EXCAVATION AND MILLING OPERATIONS.
    - E) STABILIZED CONSTRUCTION ENTRANCES AND CONSTRUCTION ROADS, IF APPROPRIATE, SHALL BE IMPLEMENTED IN ORDER TO REDUCE OFF-SITE TRACKING.
    - F) LOADED HAUL TRUCKS SHALL BE COVERED WITH TARPAULIN. EXCESS DIRT ON THE ROAD SHALL BE REMOVED DAILY.
  - 3) STATE OR LOCAL REGULATIONS: IN THE ECP, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED PROCEDURES TO COMPLY WITH APPLICABLE STATE AND LOCAL REGULATIONS FOR WASTE DISPOSAL, AND SANITARY SEWER OR SEPTIC SYSTEMS.
  - 4) APPLICATION OF FERTILIZER AND PESTICIDES
    - A) THE APPLICATION AND HANDLING OF HERBICIDES AND PESTICIDES SHALL BE IN COMPLIANCE WITH THE MANUFACTURER RECOMMENDED METHOD AND IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AS MODIFIED BY THE CONTRACT DOCUMENTS.
    - B) HERBICIDES AND PESTICIDES SHALL BE STORED ONSITE IN THEIR ORIGINAL CONTAINERS WITH PRODUCT LABEL INTACT.
  - 5) TOXIC SUBSTANCES AND MATERIALS
    - A) IN THE ECP, THE CONTRACTOR SHALL PROVIDE A LIST OF TOXIC SUBSTANCES AND MATERIALS THAT ARE LIKELY TO BE USED ON THE JOB AND PROVIDE A PLAN ADDRESSING THE GENERATION, APPLICATION, MIGRATION, STORAGE, AND DISPOSAL OF THESE SUBSTANCES.

- B) CONTRACTOR SHALL PROVIDE EQUIPMENT NECESSARY TO CONTAIN AND CLEAN UP SPILLS OF HAZARDOUS MATERIALS, INCLUDING PETROLEUM PRODUCTS. SPILLS SHALL BE CONTAINED AND CLEANED UP IMMEDIATELY AFTER THEY OCCUR. SPILLED MATERIAL AND THE EQUIPMENT USED TO CLEAN UP THE SPILL SHALL NOT COME IN CONTACT WITH SURFACE WATERS OR BE INTRODUCED INTO STORMWATER. DISPOSAL OF SURPLUS PRODUCT WILL BE DONE ACCORDING TO MANUFACTURER RECOMMENDED METHOD.
- C) CONTRACTOR SHALL PROVIDE A PROJECT SPECIFIC HAZARDOUS MATERIALS SPILL CONTROL PLAN IN ORDER TO ADDRESS THE HANDLING OF HYDROCARBON AND HAZARDOUS MATERIALS.
- D) PETROLEUM PRODUCTS SHALL BE STORED IN COVERED AREAS WITH SECONDARY CONTAINMENT SURROUNDING CONTAINER.
- E) TOXIC/HAZARDOUS MATERIALS EXPOSED DURING CONSTRUCTION ACTIVITIES SHALL BE HANDLED PER THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AS MODIFIED BY THE CONTRACT DOCUMENTS.
- D. APPROVED STATE AND LOCAL PLANS AND PERMITS
- 3. MAINTENANCE: IN THE ECP, THE CONTRACTOR SHALL PROVIDE A PLAN FOR MAINTAINING ALL EROSION AND SEDIMENT CONTROLS THROUGHOUT CONSTRUCTION. THE MAINTENANCE PLAN SHALL AT A MINIMUM, COMPLY WITH THE FOLLOWING:
  - A. SEDIMENT BARRIERS—TWELVE (12) MONTHS, OR AS REQUIRED, REPLACEMENT INTERVAL IN ACCORDANCE WITH CONTRACT'S SPECIFICATIONS.
  - C. INLET PROTECTION SYSTEMS AT INLETS—CHECK AFTER RAINFALL EVENTS. CLEAN IF CLOGGING OCCURS.
  - D. THE MAINTENANCE OF THESE DEVICES SHALL OCCUR UNTIL THE ENGINEER HAS DEEMED AN AREA PERMANENTLY STABILIZED. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE EROSION AND SEDIMENT CONTROL DEVICES ONCE THEY HAVE SERVED THEIR PURPOSE.
- 4. INSPECTION
  - A. THE CONTRACTOR SHALL BE REQUIRED TO CONDUCT DAILY VISUAL INSPECTIONS OF ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES ALONG THE PROJECT CORRIDOR. THE CONTRACTOR SHALL MAINTAIN, REPAIR AND/OR REPLACE THESE ITEMS AS NECESSARY.
  - B. THE ENGINEER SHALL HAVE AN INSPECTOR REVIEW THE PROJECT'S TEMPORARY AND PERMANENT EROSION CONTROL MEASURES FOR THE ITEMS LISTED BELOW AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND/OR WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES OR GREATER. A WRITTEN INSPECTION REPORT (FORM ATTACHED) IS REQUIRED EVERY SEVEN CALENDAR DAYS OR WITHIN 24 HOURS OF THE END OF A STORM THAT DEPOSITS 0.5 INCHES OF RAIN OR GREATER.
    - 1) OUTFALLS INTO THE WATERS OF THE UNITED STATES
    - 2) POINTS OF DISCHARGE TO MUNICIPAL SEPARATED STORM SEWER SYSTEMS
    - 3) DISTURBED AREAS OF THE SITE THAT HAVE NOT BEEN STABILIZED
    - 4) AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION
    - 5) STRUCTURAL CONTROLS
    - 6) STORMWATER MANAGEMENT SYSTEMS
    - 7) LOCATIONS WHERE VEHICLES ENTER OR EXIT THIS SITE
    - 8) CHECK THAT THE APPROVED OR REVISED EROSION CONTROL PLAN IS FOLLOWED
    - 9) WHERE SITES HAVE BEEN STABILIZED, INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY MONTH.
  - C. THE CONTRACTOR SHALL INITIATE REPAIRS WITHIN 24 HOURS OF INSPECTIONS THAT INDICATE ITEMS ARE NOT IN GOOD WORKING ORDER.
  - D. IF INSPECTIONS INDICATE THAT THE INSTALLED STABILIZATION AND STRUCTURAL PRACTICES ARE NOT SUFFICIENT TO MINIMIZE EROSION, RETAIN SEDIMENT, AND PREVENT DISCHARGING POLLUTANTS, THE CONTRACTOR SHALL PROVIDE ADDITIONAL MEASURES, AS APPROVED BY THE ENGINEER.
- 5. NON-STORMWATER DISCHARGES
  - A. IN THE ECP, THE CONTRACTOR SHALL IDENTIFY ALL ANTICIPATED NON-STORMWATER DISCHARGES (EXCEPT FLOWS FROM FIRE FIGHTING ACTIVITIES). THE CONTRACTOR SHALL DESCRIBE THE PROPOSED MEASURES TO PREVENT POLLUTION FROM THESE NON-STORMWATER DISCHARGES.
  - B. IF CONTAMINATED SOIL OR GROUNDWATER IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR IS TO CEASE OPERATIONS IN THAT AREA. THE CONTRACTOR SHALL CONTACT THE MIAMI-DADE COUNTY REGULATORY AND ECONOMIC RESOURCES COMPLIANCE DESK, AT (305) 372-6955.
- 6. CONTRACTOR/SUBCONTRACTOR CERTIFICATION.
  - A. FOR EACH MEASURE IDENTIFIED IN THE SWPPP, THE CONTRACTOR AND/OR SUBCONTRACTOR(S) THAT WILL IMPLEMENT THE MEASURE MUST SIGN A COPY OF THE CERTIFICATION STATEMENT, PROVIDED IN APPENDIX A OF THE SWPPP, PRIOR TO CONDUCTING ANY CONSTRUCTION ACTIVITIES AT THE SITE.

**REVISIONS**

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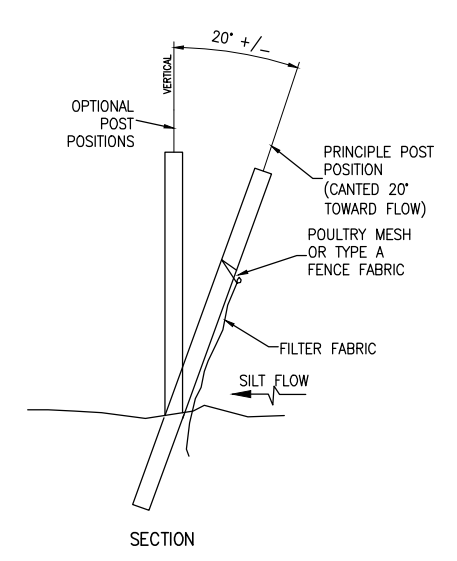
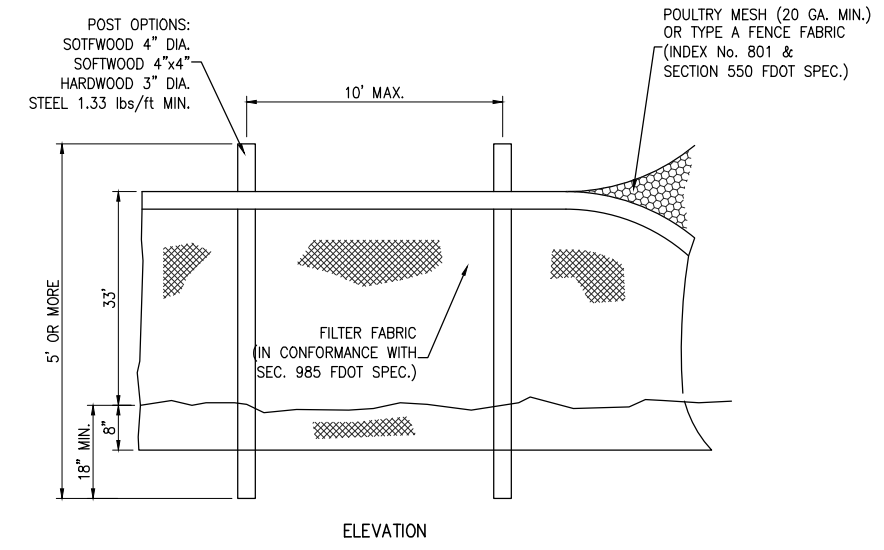
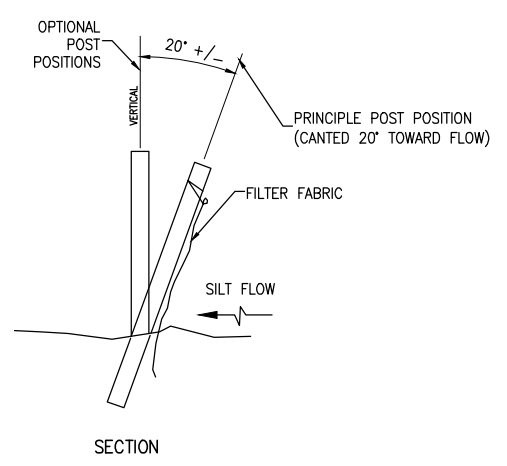
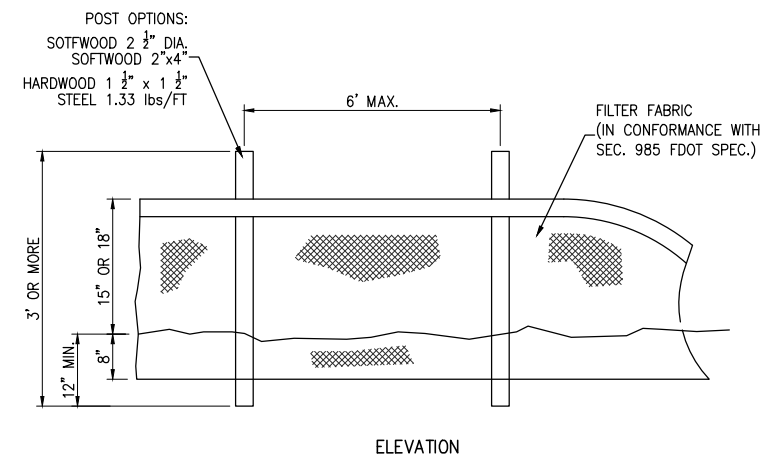
**Kimley-Horn**  
 2 ALHAMBRA PLAZA, SUITE 500,  
 CORAL GABLES, FL 33134  
 PHONE: 305-673-2025  
 WWW.KIMLEY-HORN.COM REGISTRY 696

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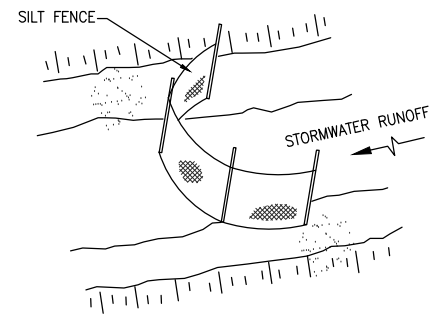
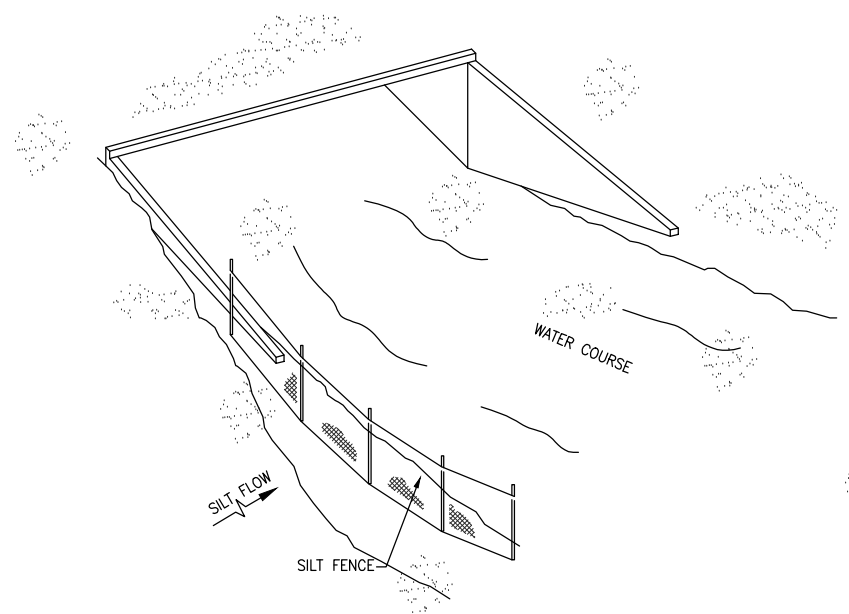
**STORMWATER POLLUTION PREVENTION PLAN**

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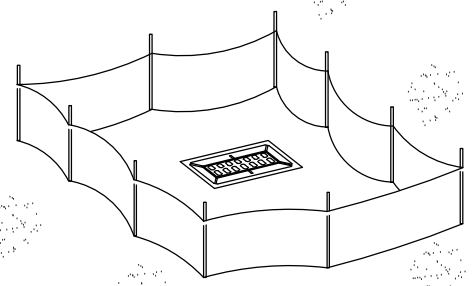


TYPE III SILT FENCE (TYP.)

TYPE IV SILT FENCE (TYP.)

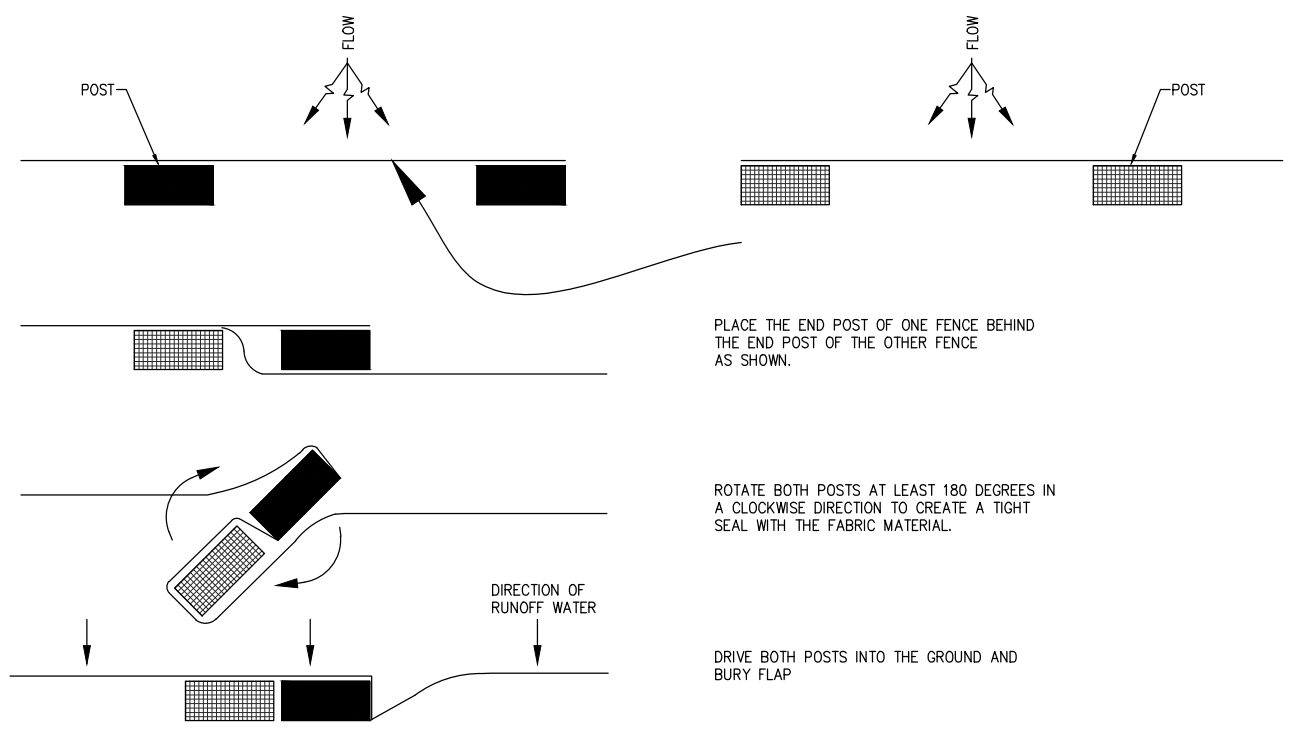


SILT FENCE PROTECTION IN DITCHES WITH INTERMITTENT FLOW



SILT FENCE PROTECTION AROUND DITCH BOTTOM INLETS

SILT FENCE APPLICATIONS (TYP.)



PLACE THE END POST OF ONE FENCE BEHIND THE END POST OF THE OTHER FENCE AS SHOWN.

ROTATE BOTH POSTS AT LEAST 180 DEGREES IN A CLOCKWISE DIRECTION TO CREATE A TIGHT SEAL WITH THE FABRIC MATERIAL.

DRIVE BOTH POSTS INTO THE GROUND AND BURY FLAP

PLANT VIEW

JOINING TWO SILT FENCES (TYP.)

NOTES FOR SILT FENCES:

- 1- TYPE III SILT FENCE TO BE USED AT MOST LOCATIONS. WHERE USED IN DITCHES, THE SPACING FOR TYPE III SILT FENCE SHALL BE IN ACCORDANCE WITH CHART 1, SHEET 1 OF 2010 FDOT DESIGN STANDARDS INDEX 102.
- 2- TYPE IV SILT FENCE TO BE USED WHERE LARGE SEDIMENT LOADS ARE ANTICIPATED. SUGGESTED USE IS WHERE FILL SLOPE IS 1:2 OR STEEPER AND LENGTH OF SLOPE EXCEEDS 25 FEET. AVOID USE WHERE THE DETAINED WATER MAY BACK INTO TRAVEL LANES OR OFF THE RIGHT OF WAY.

- 3- DO NOT CONSTRUCT SILT FENCES ACROSS PERMANENT FLOWING WATERCOURSES. SILT FENCES ARE TO BE AT UPLAND LOCATIONS AND TURBIDITY BARRIERS USED AT PERMANENT BODIES OF WATER.
- 4- WHERE USED AS SLOPE PROTECTION, SILT FENCE IS TO BE CONSTRUCTED ON 0% LONGITUDINAL GRADE TO AVOID CHANNELIZING RUNOFF ALONG THE LENGTH OF THE FENCE.

SEDIMENT BARRIERS (TYP.)  
 OR APPROVED ALTERNATIVE

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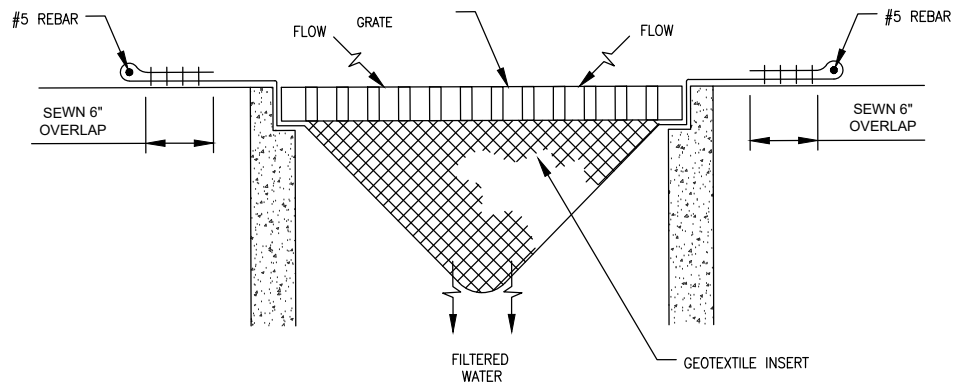
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SEDIMENT BARRIERS  
 DETAILS

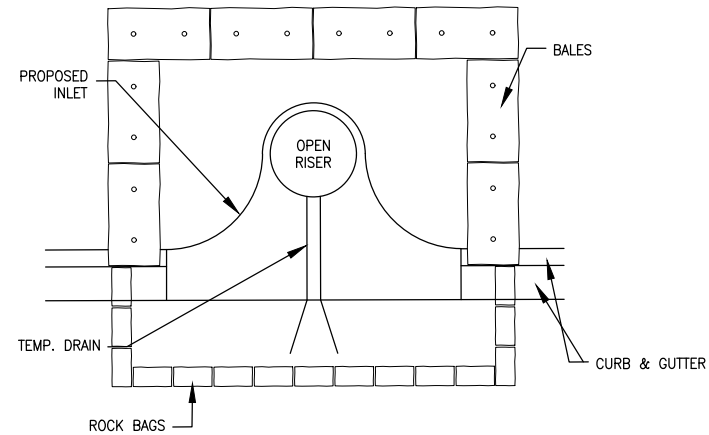
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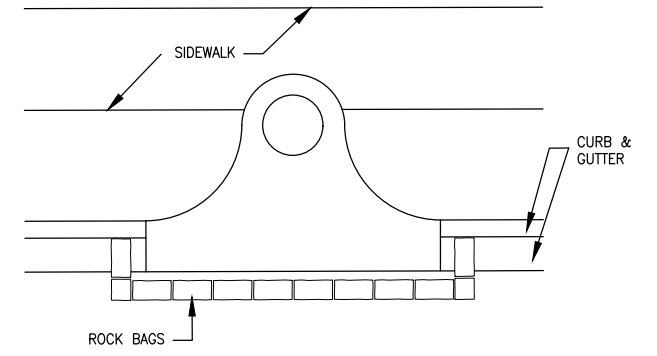
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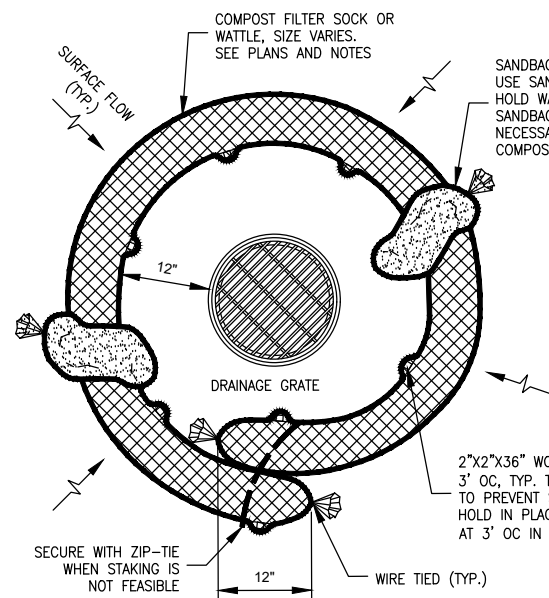
**PREFABRICATED FILTER INSERT – TYPE 1**  
 NOT TO SCALE



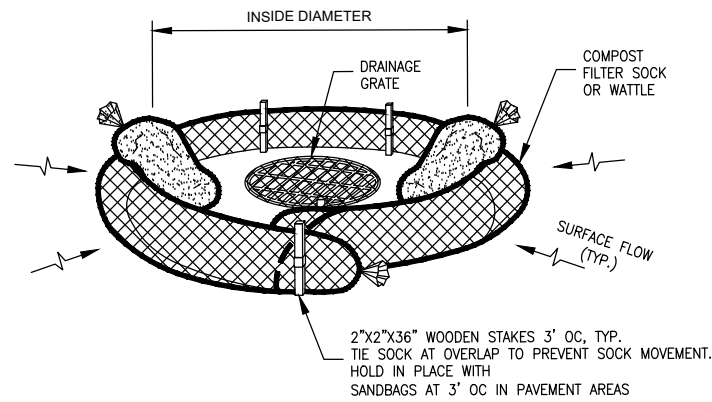
**PARTIAL INLET**



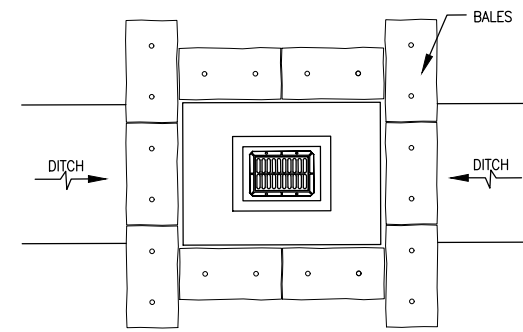
**COMPLETED INLET**



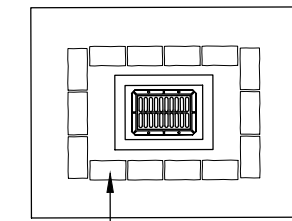
**AREA DRAIN PLAN**



**AREA DRAIN PERSPECTIVE VIEW**



**DITCH BOTTOM INLET**



**SWALE INLET**

**PROTECTION ALONG INLETS WITH ROCK BAGS BALES OR APPROVED ALTERNATIVES**

**NOTES FOR PREFABRICATED FILTER INSERTS AND FILTER SOCK**

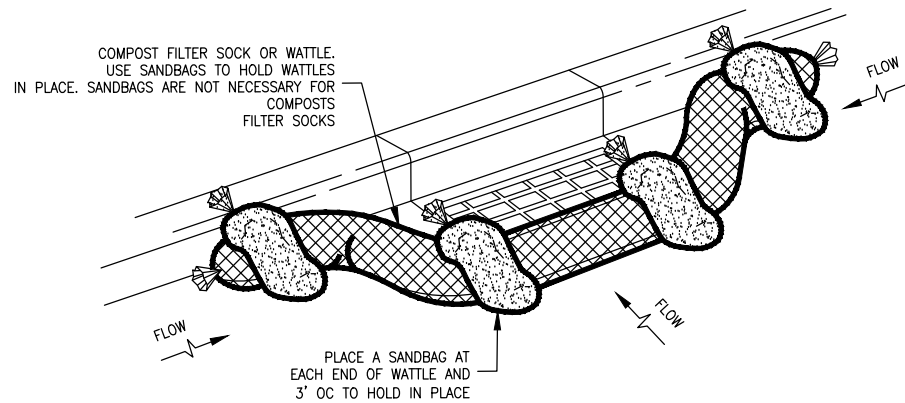
TYPE 1 – PREFABRICATED FILTER INSERTS  
 INSTALL PREFABRICATED FILTER INSERTS  
 ACCORDING TO THE PLANS, SPECIAL PROVISIONS,  
 AND MANUFACTURER RECOMMENDATIONS.  
 PREFABRICATED INSERTS WITH PROVISIONS FOR  
 OVERFLOW ARE ALLOWED ONLY WHEN  
 ACCOMPANIED BY ADDITIONAL BMP'S TO  
 PREVENT THE POTENTIAL OF SEDIMENTS  
 ENTERING PROJECT STORM SYSTEMS.  
 FIELD FABRICATED INSERTS ARE NOT ALLOWED.

TYPE 2 – COMPOST FILTER SOCK  
 DRIVE 2"x2" WOOD STAKES A MINIMUM OF  
 6" INTO GROUND AND FLUSH WITH THE TOP  
 OF THE SOCK.  
 OVERLAP ENDS OF SOCK PER MANUFACTURERS  
 RECOMMENDATIONS (12" MIN., 36" MAX.).  
 USE 8" TO 12" DIA SOCK ON CURBSIDE IN  
 TRAFFIC AREAS.  
 USE 12" TO 18" DIA SOCK IN NON-TRAFFIC AREAS  
 OR AREAS WHERE THE LARGER SOCKS CAN BE  
 USED SAFELY.  
 USE SYNTHETIC MESH SOCKS FOR TEMPORARY  
 INSTALLATIONS.

**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 OF 2010 FDOT DESIGN STANDARDS INDEX 102.
- 2- BALES SHALL BE ANCHORED WITH TWO (2) 1"x2" (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"x4" WOOD. OTHER MATERIALS PROVIDING EQUIVALENT STRENGTH MAYBE 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.

**INLET PROTECTION SYSTEM (TYP.) OR APPROVED ALTERNATIVE**



**CURB INLET PERSPECTIVE VIEW**

**COMPOST FILTER SOCK OR WATTLE – TYPE 2**  
 NOT TO SCALE

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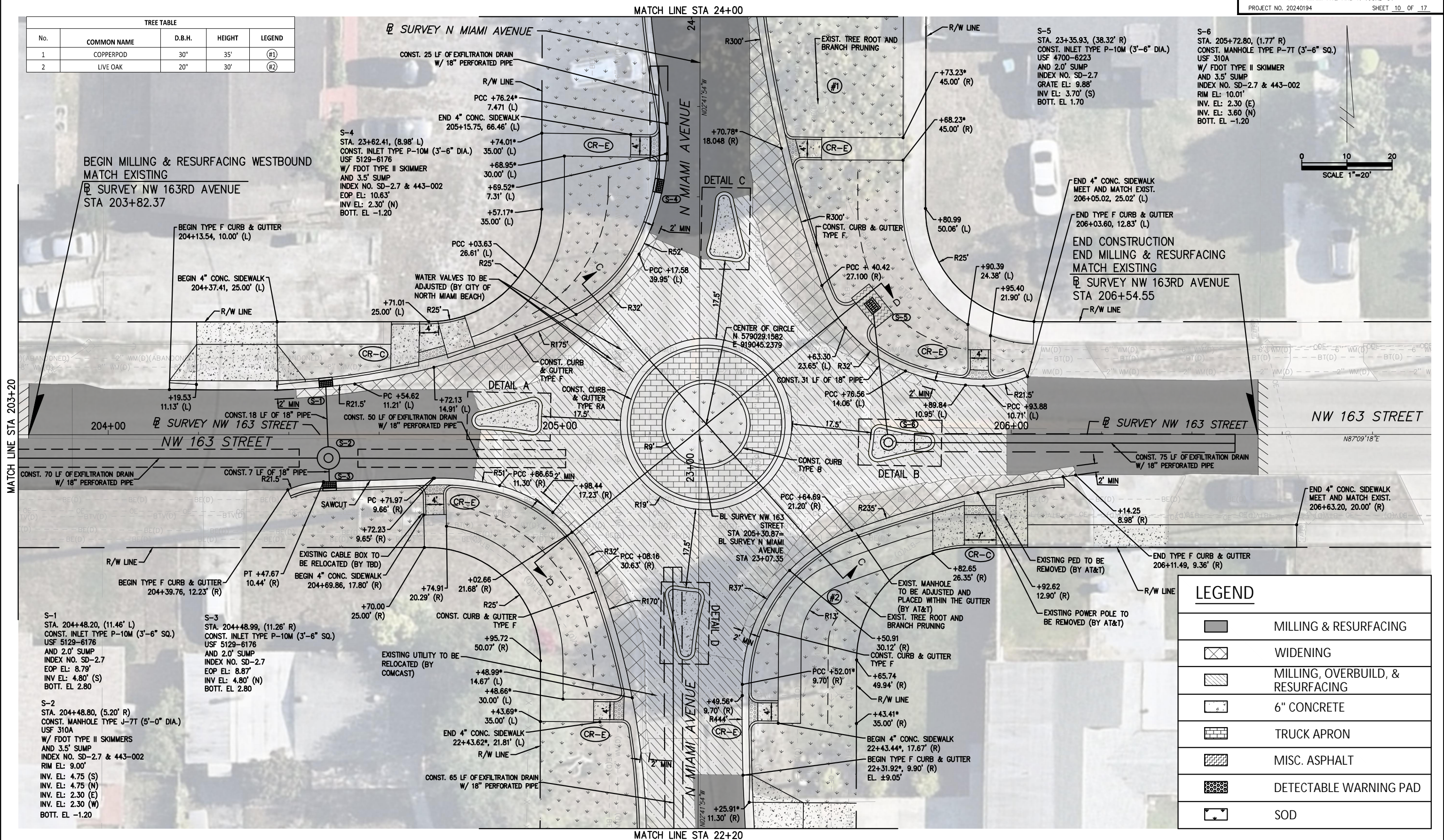
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 2 ALHAMBRA PLAZA, SUITE 500,  
 CORAL GABLES, FL 33134  
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**INLET PROTECTION SYSTEMS DETAILS**

TREE TABLE				
No.	COMMON NAME	D.B.H.	HEIGHT	LEGEND
1	COPPERPOD	30"	35'	(#1)
2	LIVE OAK	20"	30'	(#2)



LEGEND	
	MILLING & RESURFACING
	WIDENING
	MILLING, OVERBUILD, & RESURFACING
	6" CONCRETE
	TRUCK APRON
	MISC. ASPHALT
	DETECTABLE WARNING PAD
	SOD

NOTE: ALL CALLOUTS WITH AN ASTERISK (\*) ON THIS SHEET ARE CALLOUTS TAKEN FROM SURVEY N MIAMI AVENUE

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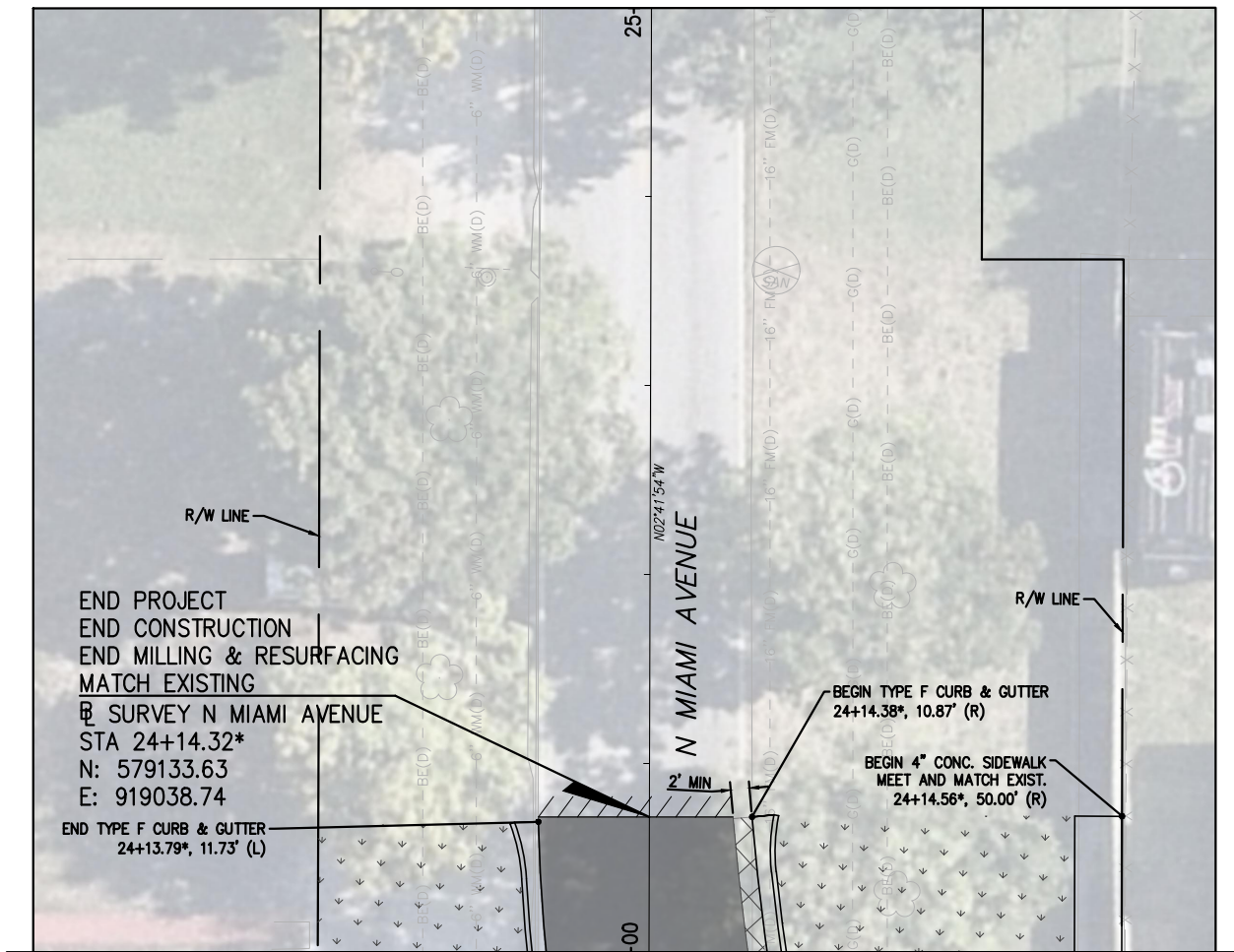
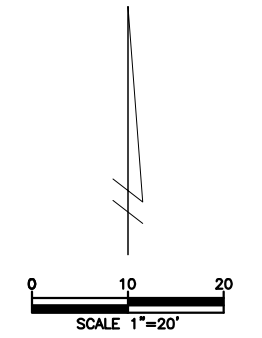
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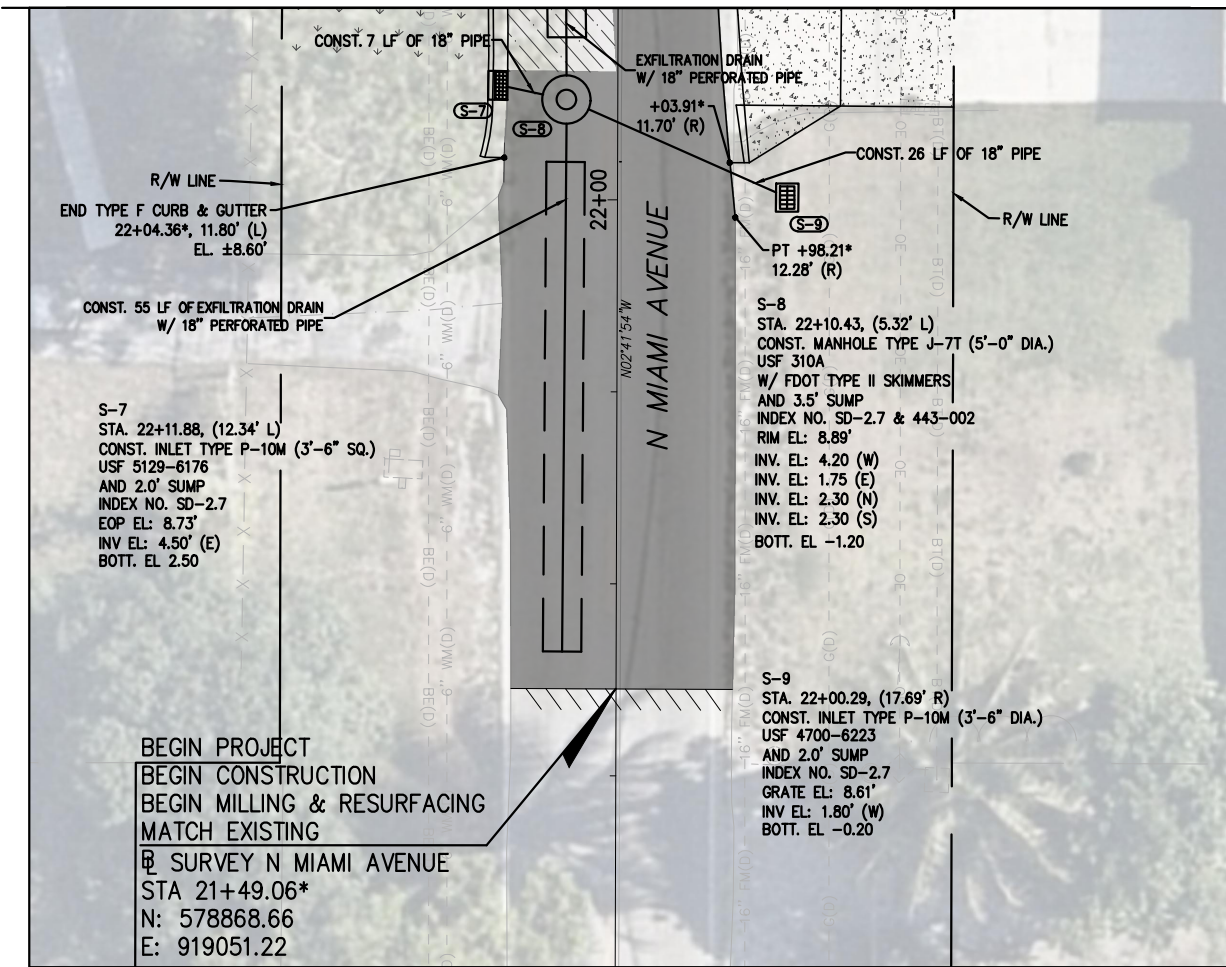
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ROADWAY PLANS

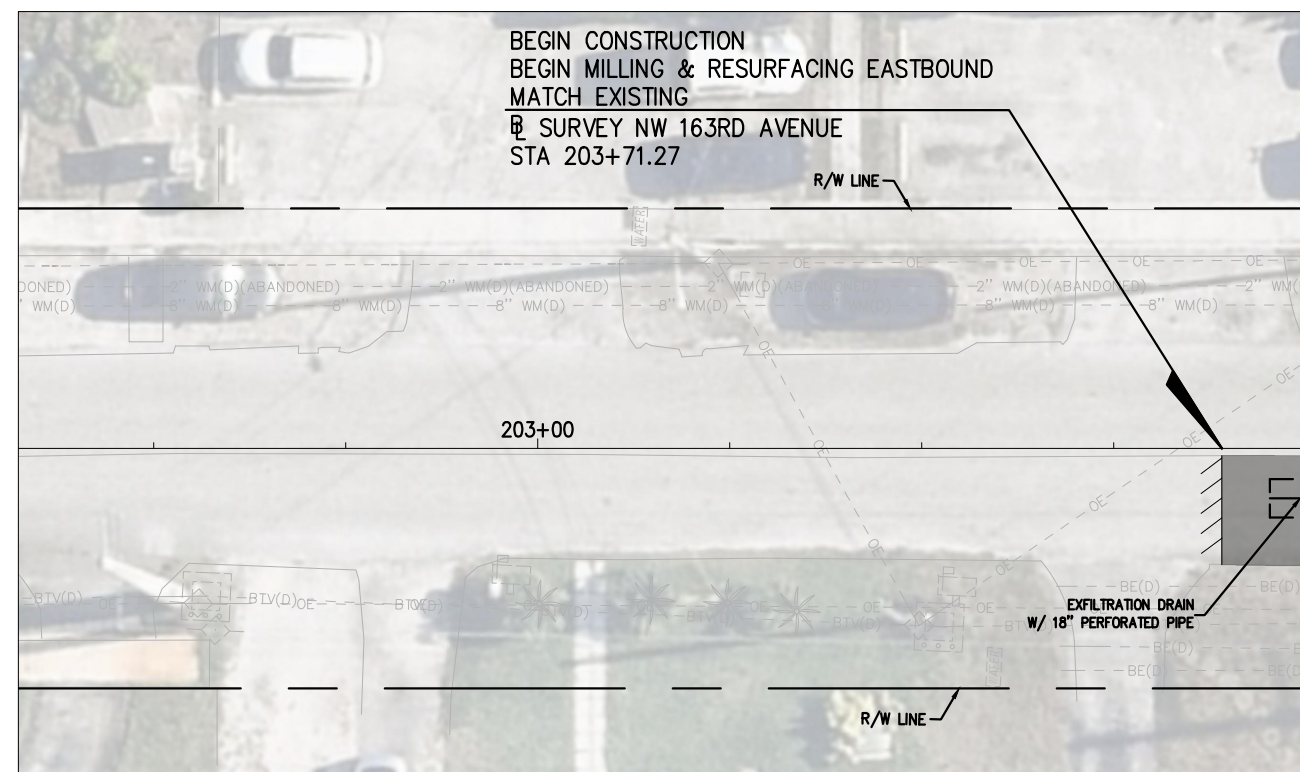
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MATCH LINE STA 24+00



BEGIN PROJECT  
BEGIN CONSTRUCTION  
BEGIN MILLING & RESURFACING  
MATCH EXISTING  
SURVEY N MIAMI AVENUE  
STA 21+49.06\*  
N: 578868.66  
E: 919051.22



MATCH LINE STA 203+20

NOTE: ALL CALLOUTS WITH AN ASTERISK (\*) ON THIS SHEET ARE CALLOUTS TAKEN FROM SURVEY N MIAMI AVENUE

LEGEND	
	MILLING & RESURFACING
	WIDENING

REVISIONS					
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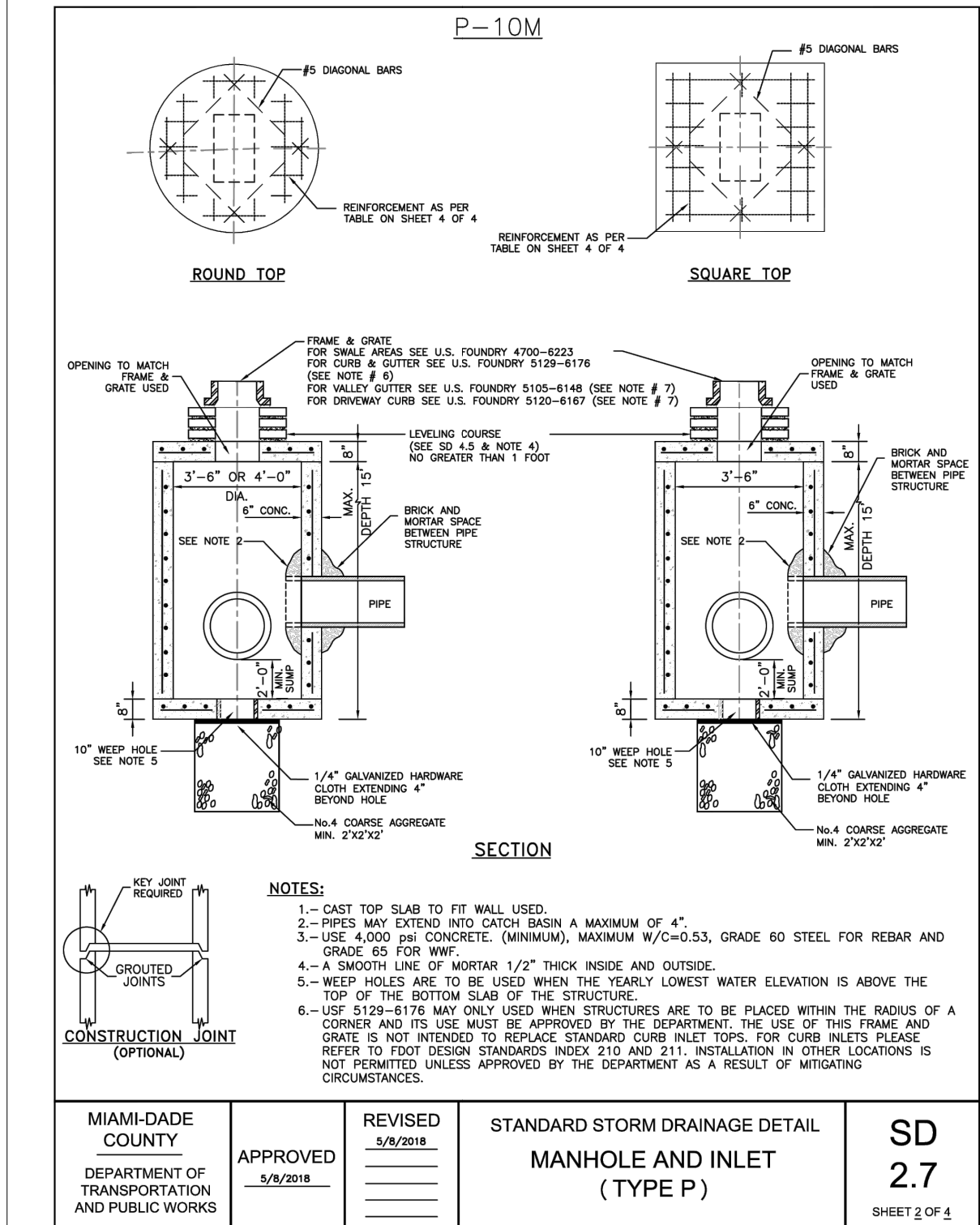
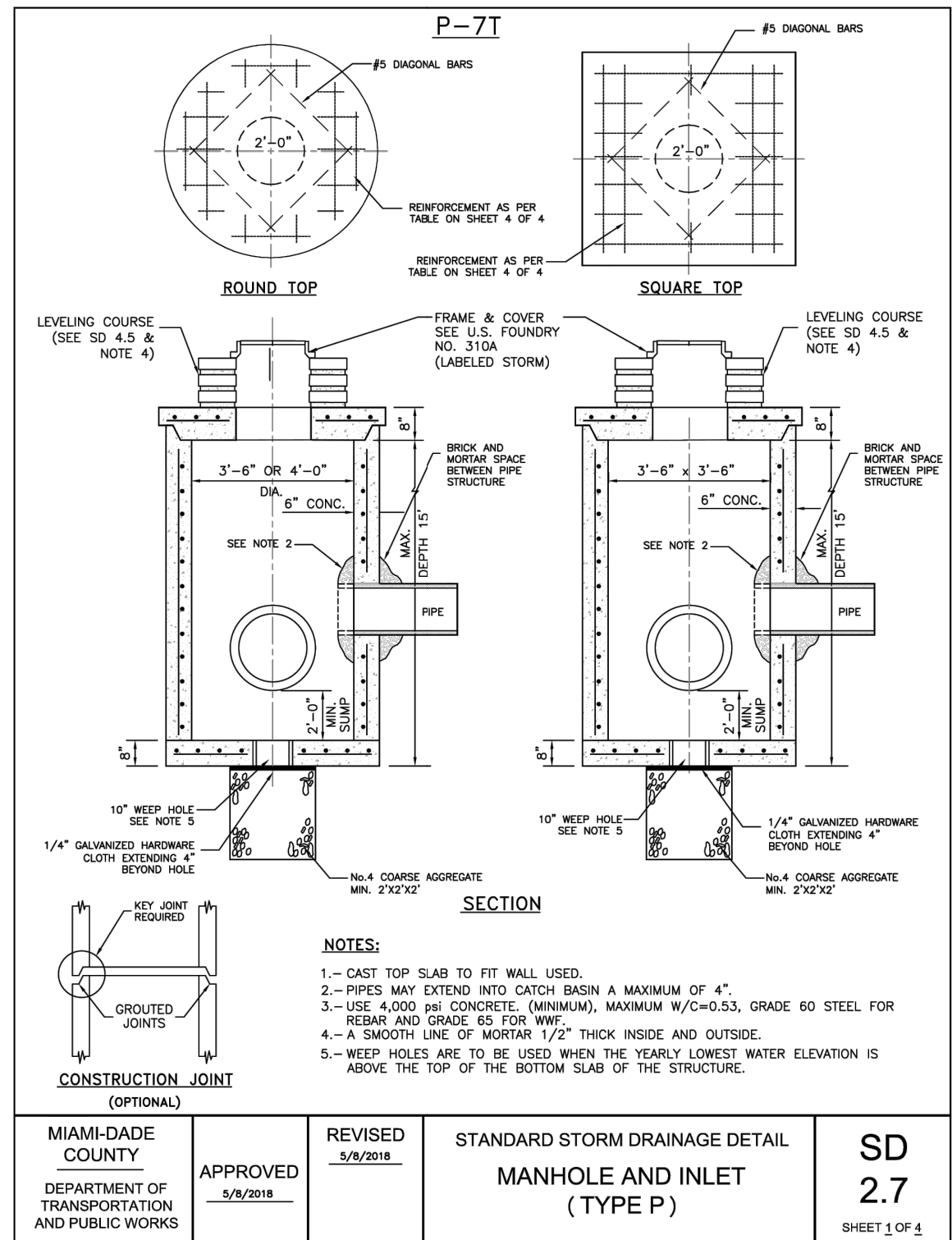
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ROADWAY PLANS

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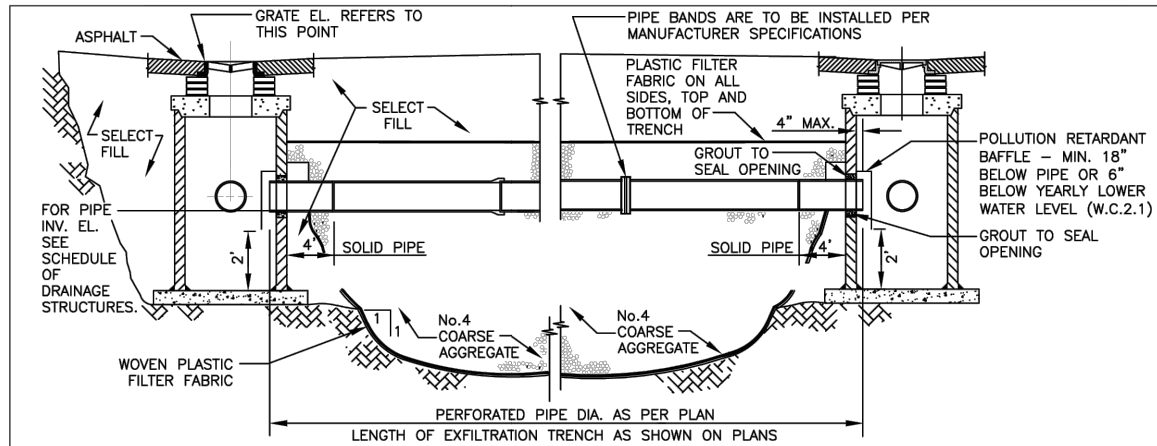
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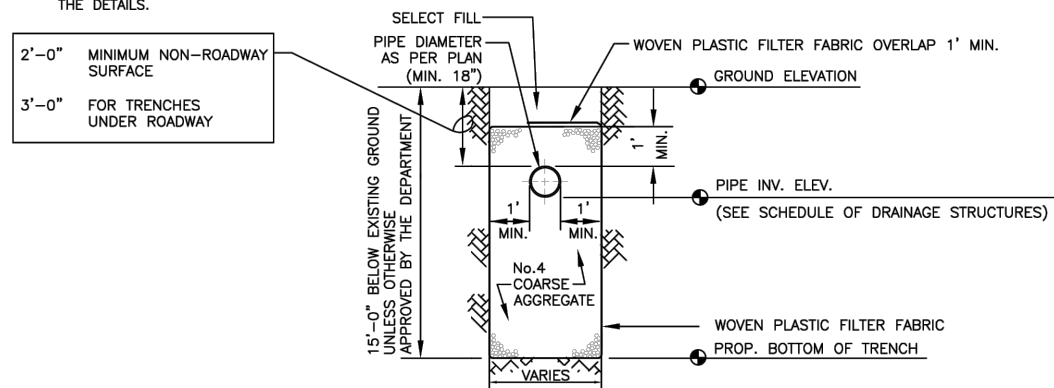
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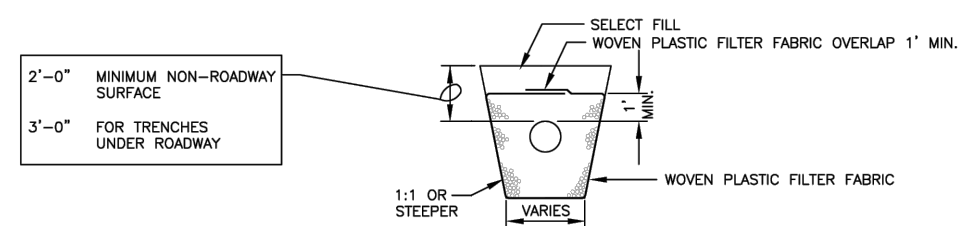
**LONGITUDINAL SECTION**

**NOTE**

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



**TRANSVERSE SECTION**



**ALT. TRANS. SECTION\***

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

**NOTES (CONTINUED ON NEXT PAGE)**

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

MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS	APPROVED 04/16/2015	REVISED 02/08/2011 09/26/2012 10/19/2012	STANDARD STORM DRAINAGE DETAIL EXFILTRATION TRENCH ( FRENCH DRAIN )	SD 1.1 SHEET 1 OF 2
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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
--	------------------------	---	---	---------------------------

K:\MIB\_Roadway\044769\57 TWO-07-SW 163rd St\CAO\PlanSheets\15 FLUME DETAILS.dwg Sep 29, 2025 - 10:16am HUZAFALUKMANJI

**REVISIONS**

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

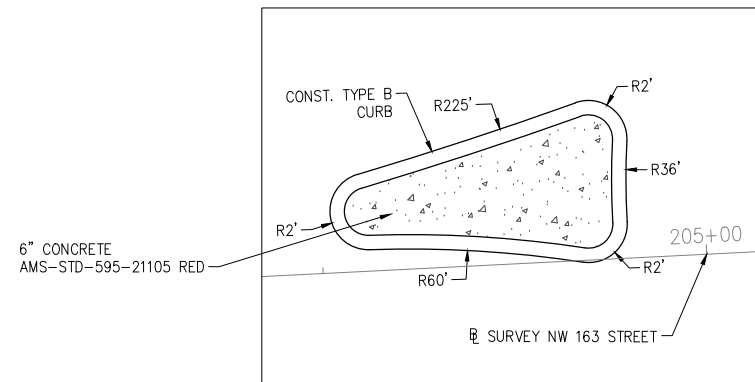
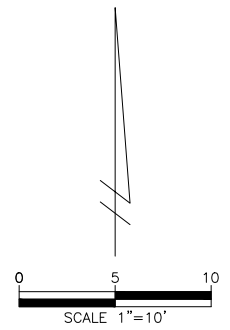
**Kimley-Horn**  
 2 ALHAMBRA PLAZA, SUITE 500,  
 CORAL GABLES, FL 33134  
 PHONE: 305-673-2025  
 WWW.KIMLEY-HORN.COM REGISTRY 696

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE

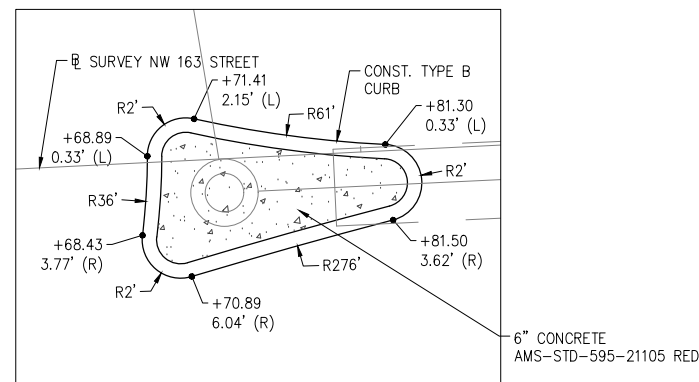
DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS  
**MIAMI-DADE COUNTY**  
 HIGHWAY DIVISION  
 STEPHEN P. CLARK, CENTER  
 111 NW 1 ST  
 MIAMI, FLORIDA 33128

STANDARD DETAIL

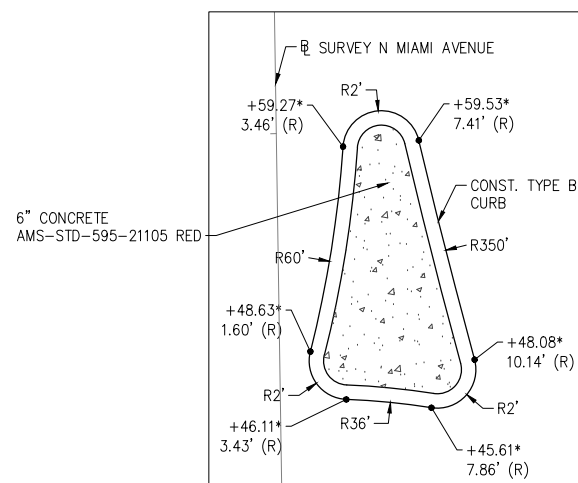
# SPLITTER ISLAND DETAILS



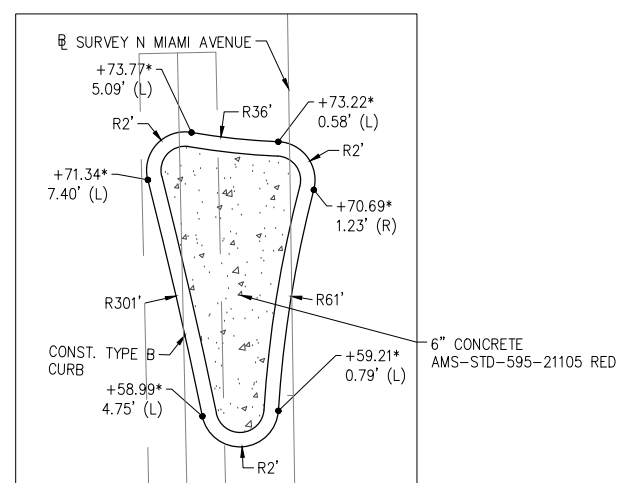
DETAIL A



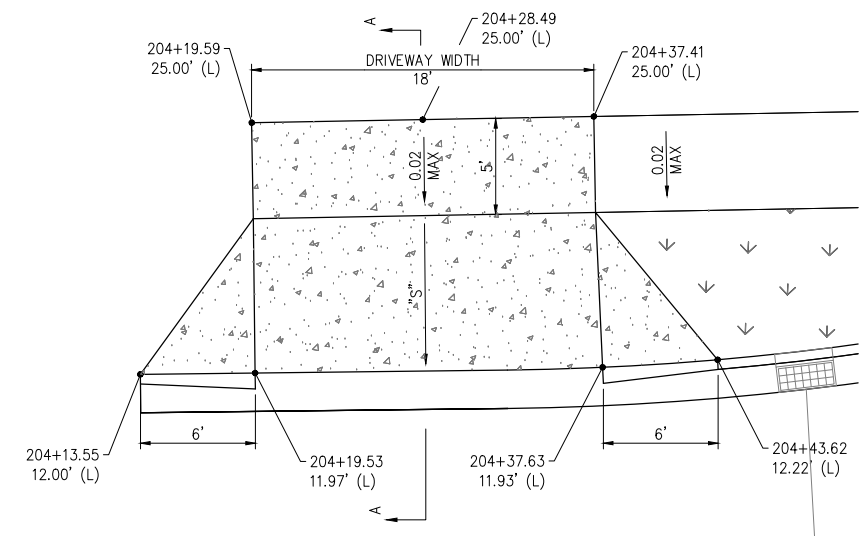
DETAIL B



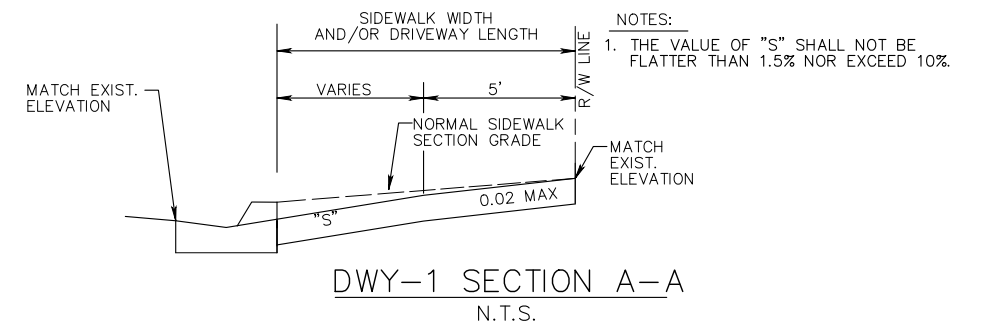
DETAIL C



DETAIL D



DWY-1 DETAIL  
N.T.S.



DWY-1 SECTION A-A  
N.T.S.

LEGEND	
	6" CONCRETE
	SOD

NOTE: ALL CALLOUTS WITH AN ASTERISK (\*) ON THIS SHEET ARE CALLOUTS TAKEN FROM SURVEY N MIAMI AVENUE

K:\MIB\_Roadway\044769157 TWO-07-SW 163rd St\CAD\PlanSheets\15 FLUME DETAILS.dwg Sep 29, 2025 - 10:16am HUIZAFALUKMANJI

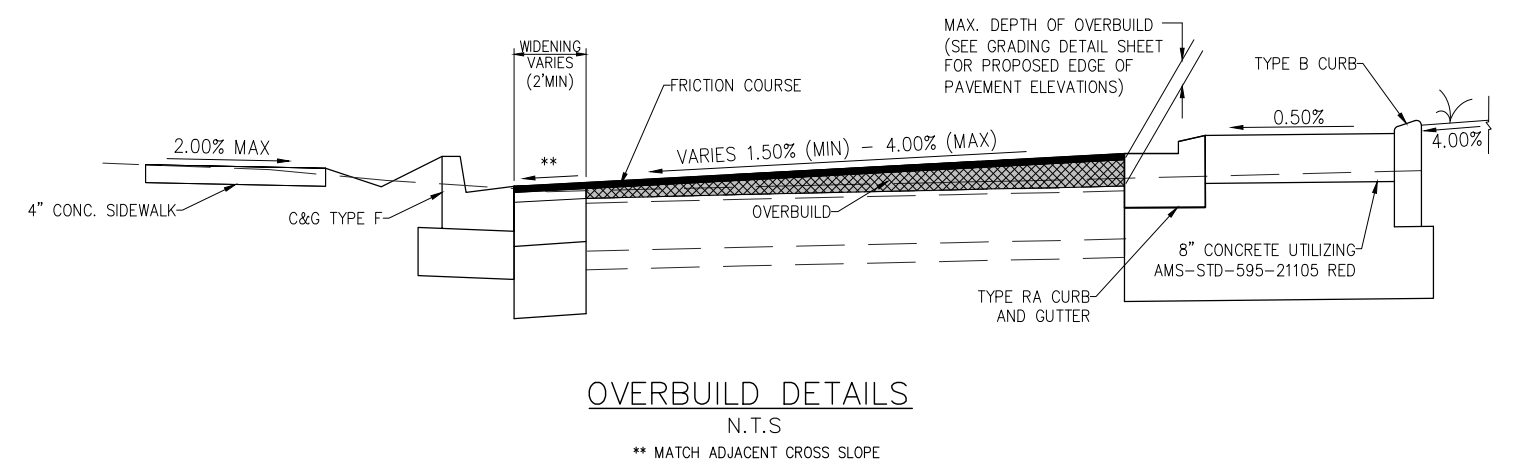
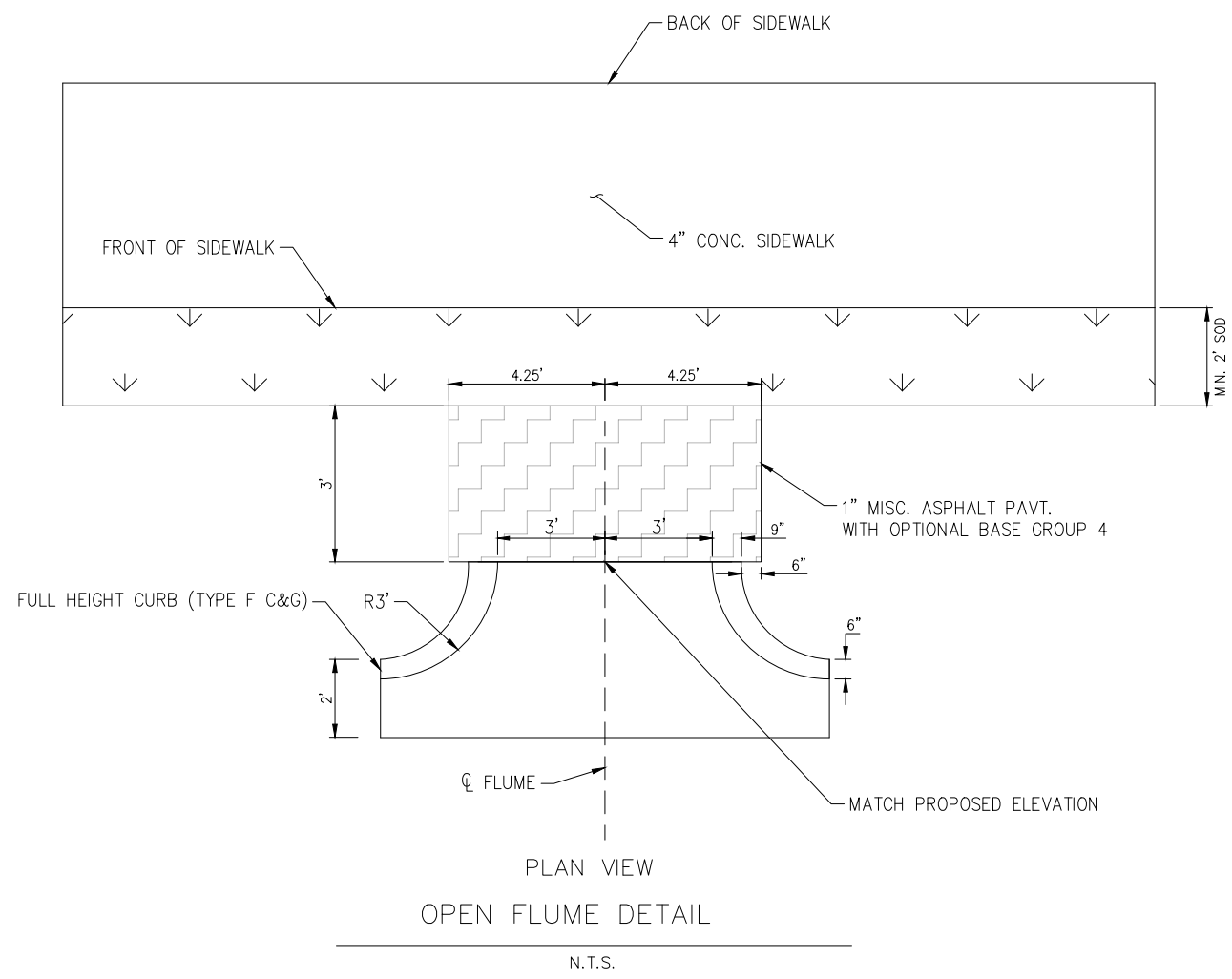
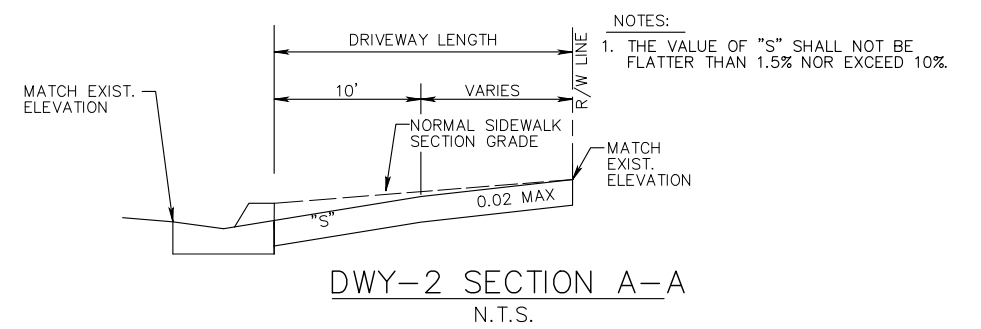
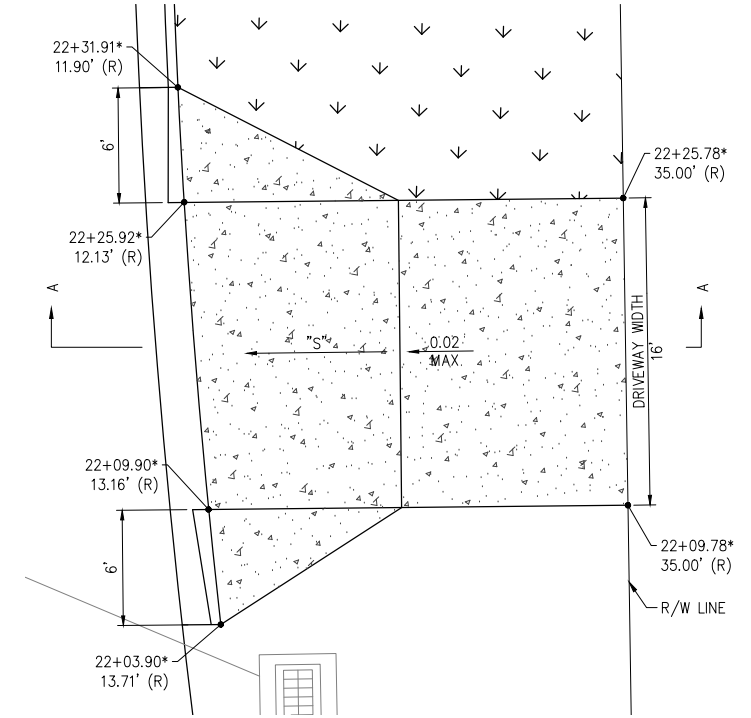
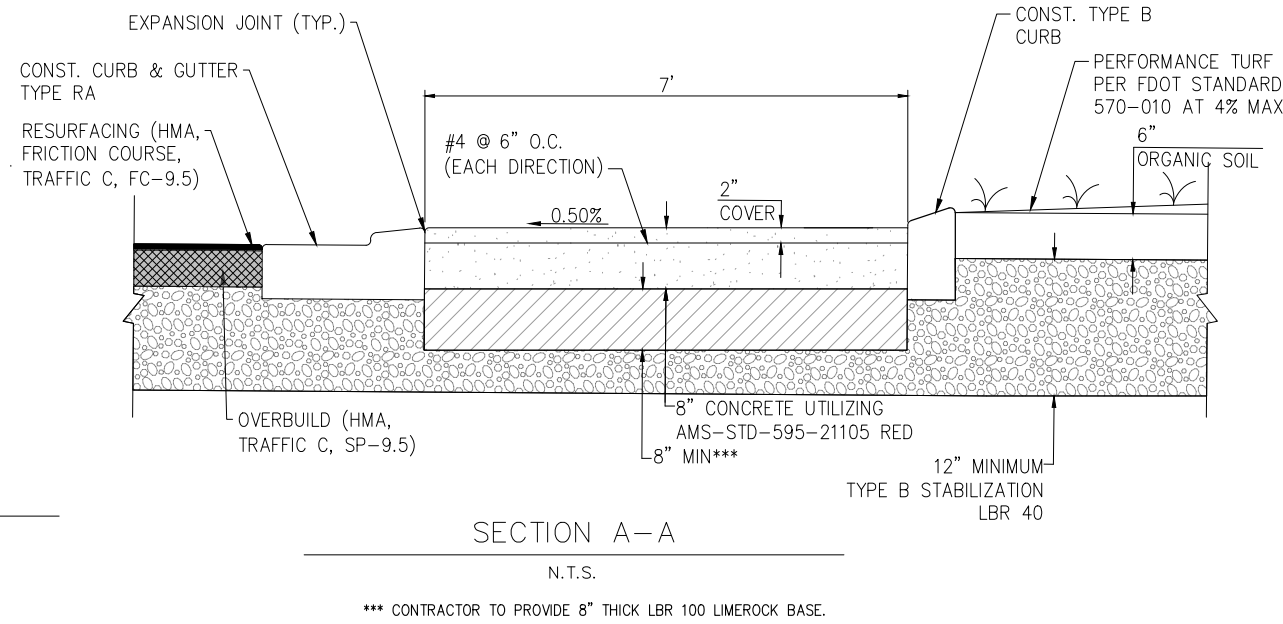
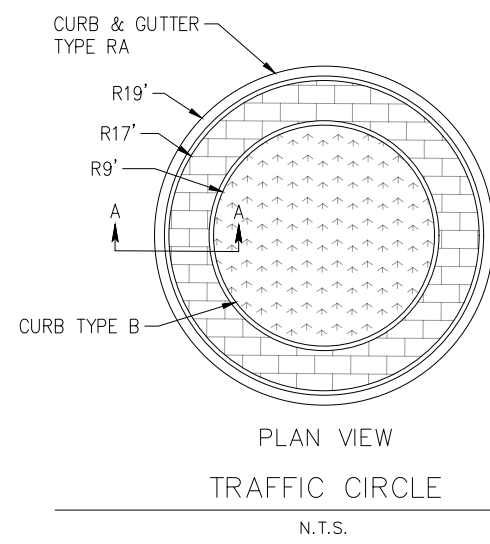
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

**Kimley-Horn**  
2 ALHAMBRA PLAZA, SUITE 500,  
CORAL GABLES, FL 33134  
PHONE: 305-673-2025  
WWW.KIMLEY-HORN.COM REGISTRY 696

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE

DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS  
**MIAMI-DADE COUNTY**  
HIGHWAY DIVISION  
STEPHEN P. CLARK, CENTER  
111 NW 1 ST  
MIAMI, FLORIDA 33128

SPECIAL DETAILS



K:\WB\_Roadway\044769157 TWO-07-SW 163rd St\CAO\PlanSheets\15 FLUME DETAILS.dwg Sep 29, 2025 - 10:16am HUIZAFALUKMANJI

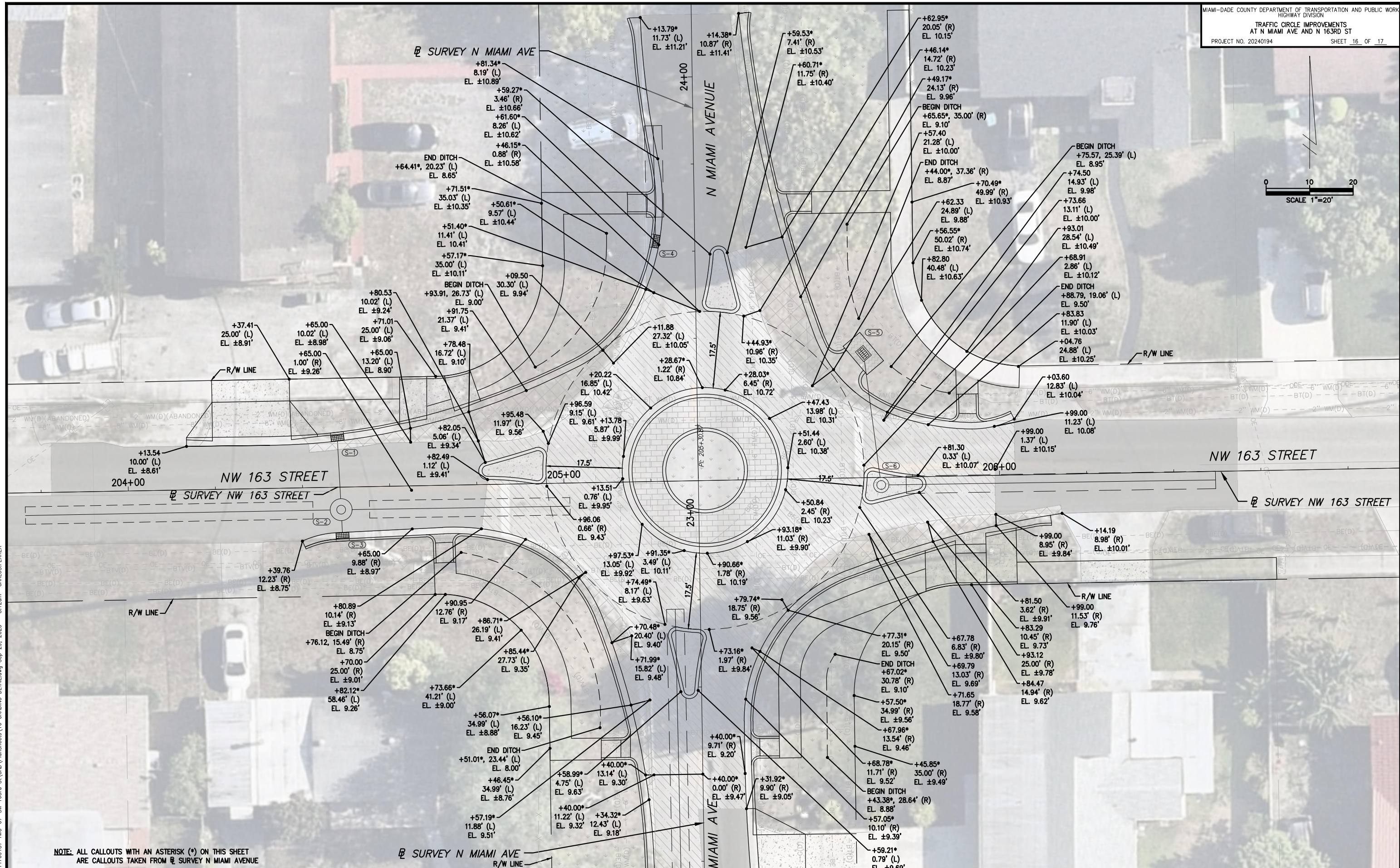
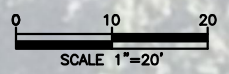
REVISIONS					
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**SPECIAL DETAILS**



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REVISIONS

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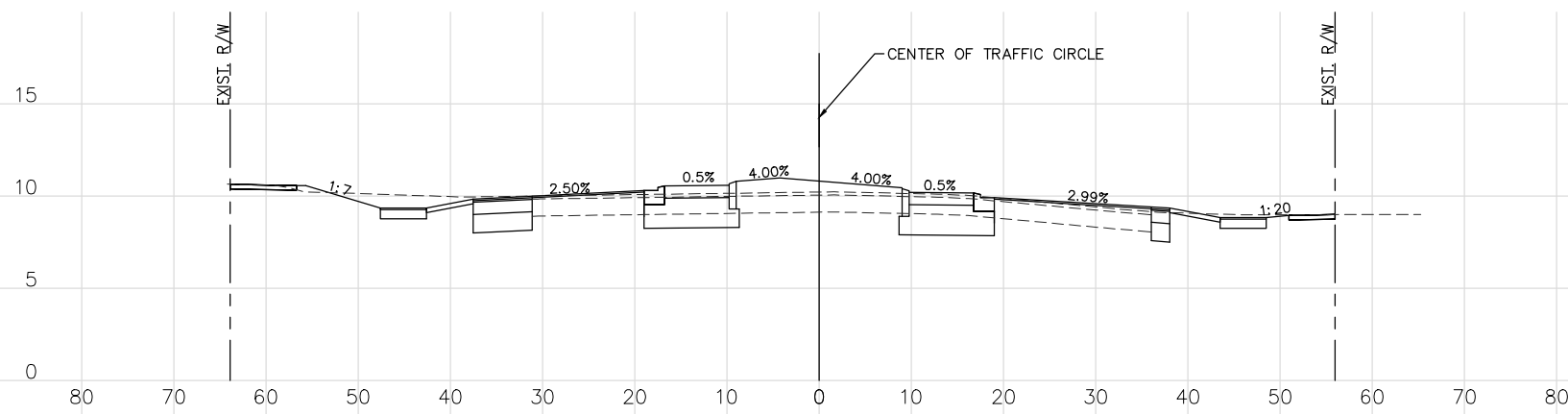
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CHECKED BY			CHECKED BY		
SUPERVISED BY					

MIAMI-DADE COUNTY  
 DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS  
 HIGHWAY DIVISION  
 STEPHEN P. CLARK CENTER  
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 MIAMI, FLORIDA 33128

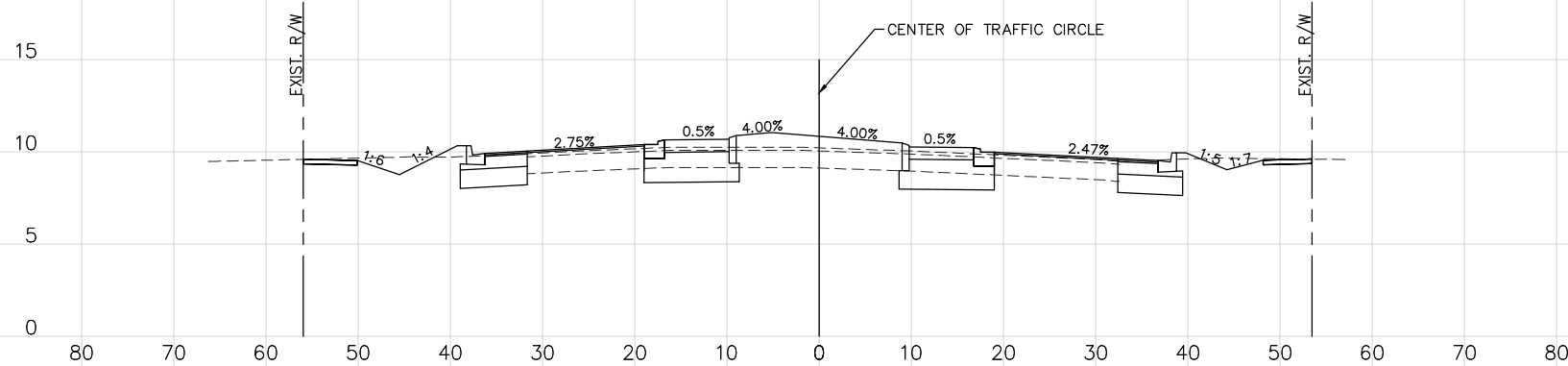
GRADING DETAIL

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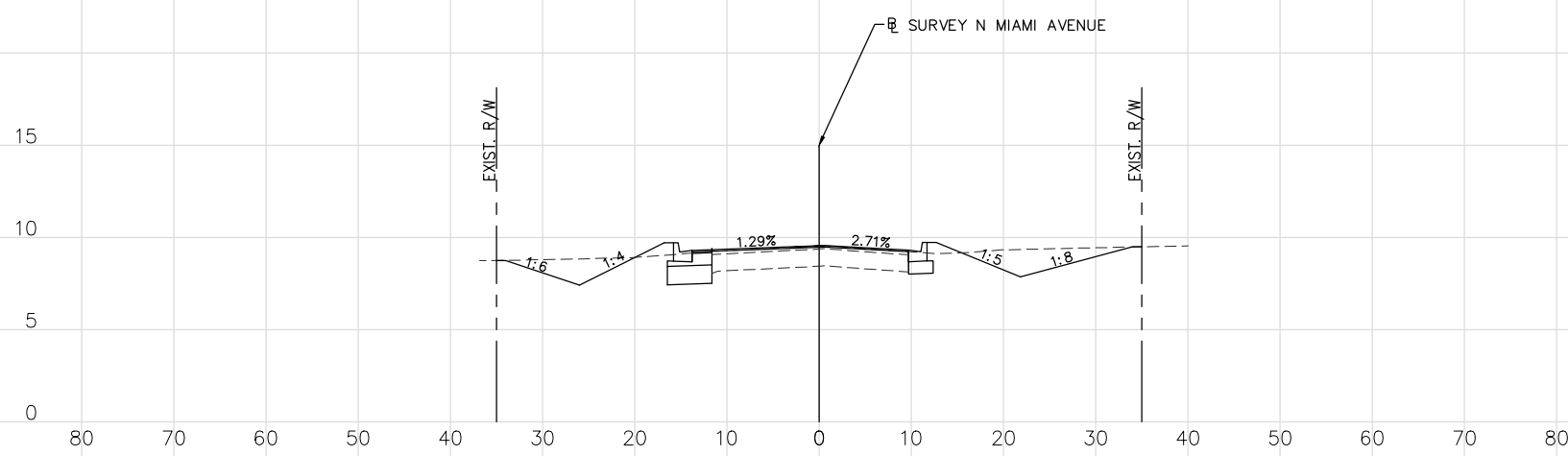
SECTION D-D

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



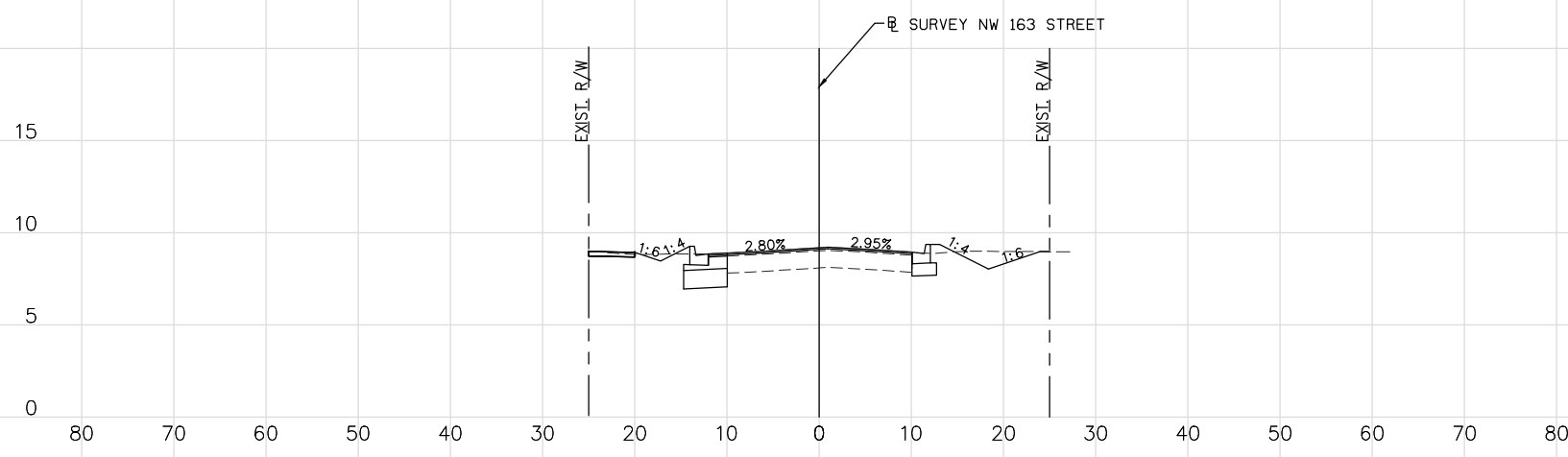
SECTION C-C

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



STATION 22+44.78

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



STATION 204+59.37

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

K:\MIB\_Roadway\044769157 TWO-07-SW 163rd St\CAD\PlanSheets\17 CROSS SECTIONS.dwg Sep 29, 2025 - 8:14am CARLOS.FERRER

REVISIONS					
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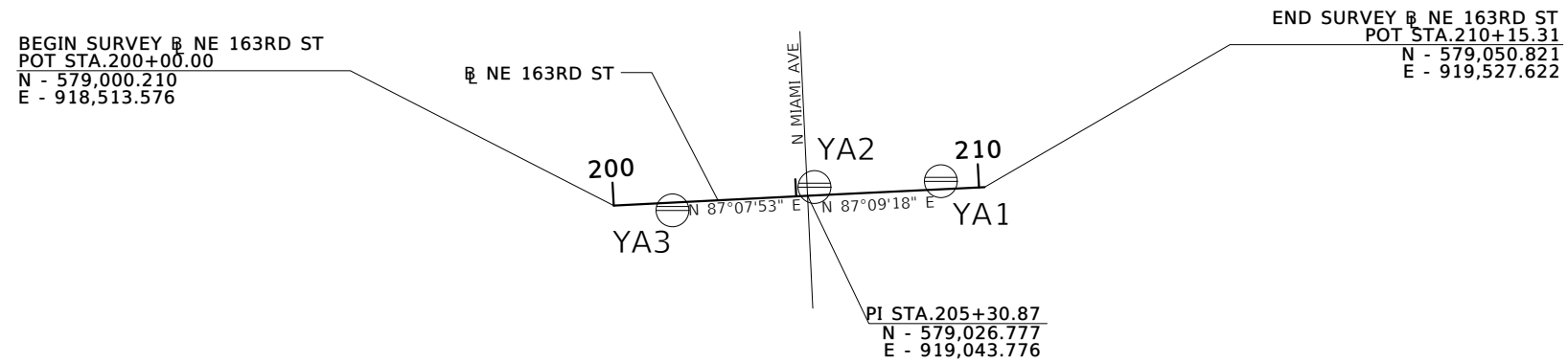
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**MIAMI-DADE COUNTY**  
 DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS  
 HIGHWAY DIVISION  
 STEPHEN P. CLARK, CENTER  
 111 NW 1 ST  
 MIAMI, FLORIDA 33128

**CROSS SECTIONS**

# PROJECT CONTROL POINTS

## TRAVERSING THRU SECTION 13 TOWNSHIP 52 SOUTH, RANGE 41 EAST



PROJECT CONTROL NE 163RD STREET									
POINT NAME	(Y) NORTHING	(X) EASTING	SCALE FACTOR	LATITUDE	LONGITUDE	BASELINE STATION	OFFSET	(Z) ELEVATION	DESCRIPTION
YA1	579,066.830'	919,408.759'	1.000020639	25°55'28.32488"	80°11'56.61610"	208+97.39	21.89' LT.	10.59'	SET PK NAIL AND WASHER ASPHALT STAMPED "MGV LB2439"
YA2	579,050.787'	919,063.378'	1.000020430	25°55'28.18688"	80°12'00.39996"	205+51.64	23.01' LT.	10.12'	SET PK NAIL AND WASHER ASPHALT STAMPED "MGV LB2439"
YA3	578,987.189'	918,675.079'	1.000020196	25°55'27.58046"	80°12'04.65705"	201+60.65	21.09' RT.	8.23'	SET PK NAIL AND WASHER ASPHALT STAMPED "MGV LB2439"

**SURVEYORS NOTES:**

BEARINGS AND COORDINATES ARE RELATIVE TO THE STATE PLANE COORDINATES, FLORIDA EAST ZONE, NORTH AMERICAN DATUM (NAD) OF 1983/2011 ADJUSTMENT A BEARING OF N 80°41'54" E HAS BEEN ESTABLISHED BETWEEN MONUMENTS YA3 STAMPED "MGV LB2439" AND YA2 STAMPED "MGV LB2439".

THE PROJECT CONTROL POINTS WERE SET USING THE FOLLOWING F.P.R.N. CONTROL POINTS: DISTRICT 6 (FLD6).

VERTICAL DATUM : NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD29) BASED ON F.P.R.N. NETWORK CONVERTED USING CORPSCON 6 PROGRAM. THE CONVERSION OF NAVD88 TO NGVD29 IS +1.56' AND ELEVATIONS WERE RAN BETWEEN THE POINTS AT EACH SITE.

PROJECT UNITS : US SURVEY FEET

FIELD BOOK REFERENCES : MG# 1225

ELECTRONIC DATABASE : SURVRD01.dgn, MG# 24-621

DATE OF LAST FIELD WORK: AUGUST 23, 2024.

THIS SPECIFIC PURPOSE SURVEY CONSISTS OF 1 SHEET CTL-1.

LEGEND	
BL	= BASELINE
E	= EASTING
FDOT	= FLORIDA DEPARTMENT OF TRANSPORTATION
LT.	= LEFT
N	= NORTHING
NO.	= NUMBER
N/A	= NOT APPLICABLE
PNC	= PROJECT NETWORK CONTROL
FPID	= FINANCIAL PROJECT IDENTIFICATION
RT.	= RIGHT
SEC.	= SECTION
S.R.	= STATE ROAD
LB	= LICENSED BUSINESS
STA.	= STATION
TWP.	= TOWNSHIP
RGE.	= RANGE
⊖	= PNC POINT

LIMITS: N. MIAMI AVE. AT N. 163RD ST.

THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

MANUEL G. VERA & ASSOCIATES, INC.  
13960 S.W. 47TH STREET  
MIAMI, FL, 33175-3616  
CERTIFICATE OF AUTHORIZATION: LB2439  
SURVEYOR OF RECORD: MARK R. SOWERS, PSM 5266

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED ON THE ELECTRONIC DOCUMENTS.

THE ABOVE NAMED PROFESSIONAL SURVEYOR & MAPPER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 5J-17.062, F.A.C

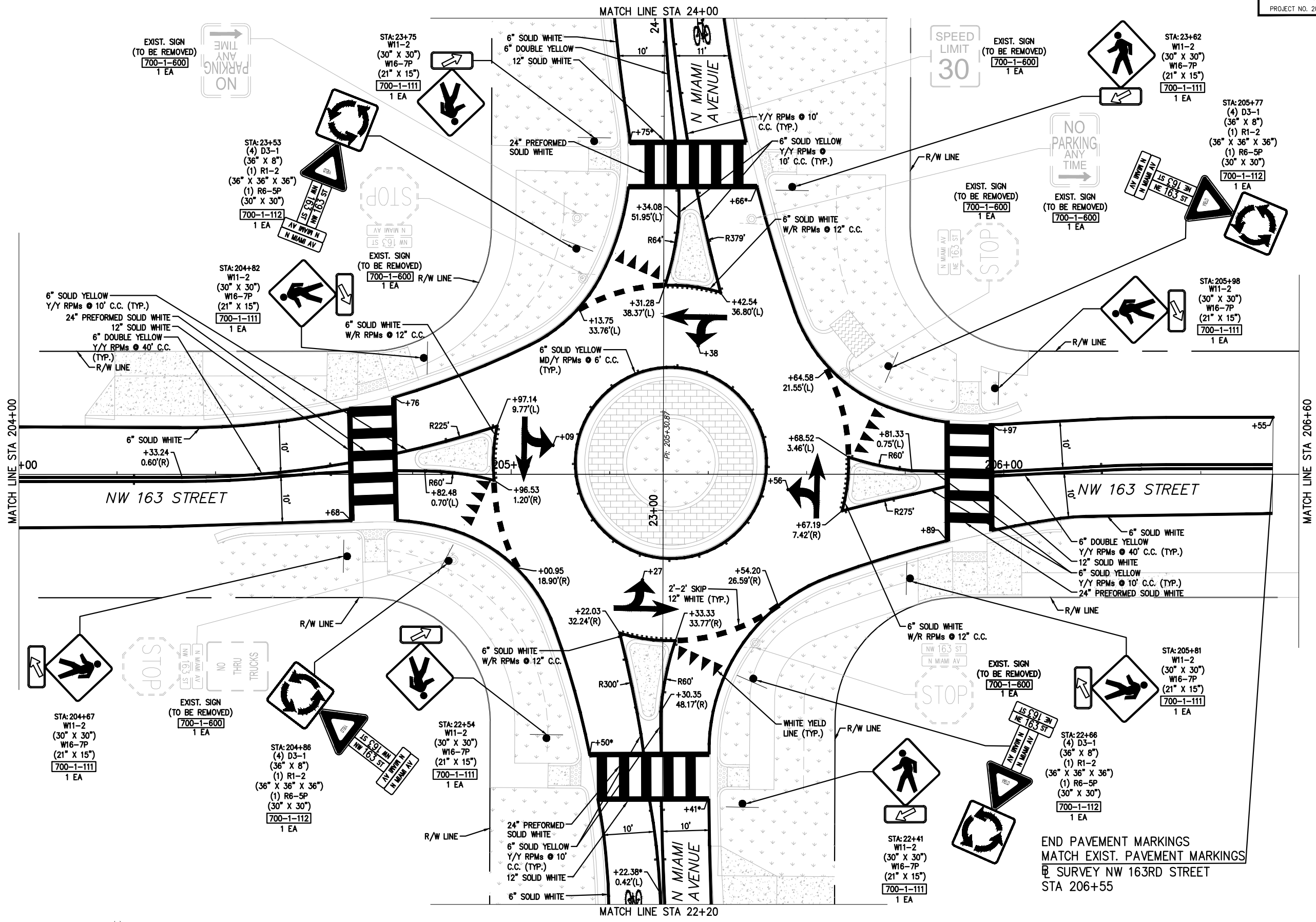
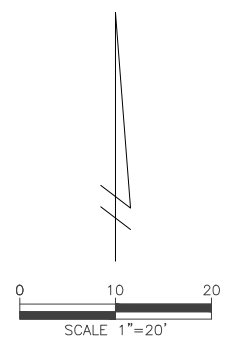
INDEX OF SURVEY PLANS	
CTL-1	PROJECT CONTROL

I HEREBY CERTIFY THIS SPECIFIC PURPOSE SURVEY WAS MADE FOR THE PURPOSE OF SURVEYING, REFERENCING, DESCRIBING AND MAPPING THE PROJECT CONTROL POINTS OR BASELINE FOR THE TRANSPORTATION FACILITY DEPICTED HEREON AND THAT SAID SURVEY WAS DONE UNDER MY RESPONSIBLE CHARGE AND MEETS THE STANDARDS OF PRACTICE SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5 J 17 FLORIDA ADMINISTRATIVE CODE PURSUANT TO SECTION 472.027 FLORIDA STATUTES. THIS MAP CONSISTING OF SHEET CTL-1 IS A TRUE, ACCURATE AND COMPLETE DEPICTION OF THE RESULTS OF A FIELD SURVEY PERFORMED UNDER MY DIRECTION AND COMPLETED ON 08-23-2024.

OWNER: Z:\DESIGN\2024\24621\_Kimley Hom\_DTPW\_North Miami Ave.at North 163rd St\_Traffic Circle\1234567 SURVEY\CADD\CTLSRD01.dwg Aug 04, 2025 - 10:08am MARIA.TRINQUETE

REVISIONS												DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS HIGHWAY DIVISION			
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE	





NOTE: ALL CALLOUTS WITH AN ASTERISK (\*) ON THIS SHEET  
 ARE CALLOUTS TAKEN FROM SURVEY N MIAMI AVENUE

END PAVEMENT MARKINGS  
 MATCH EXIST. PAVEMENT MARKINGS  
 SURVEY NW 163RD STREET  
 STA 206+55

K:\WB\_Roadway\044769157 TMO-07-SW 163rd St\CAD\PlanSheets\S-1 SPM (1).dwg Sep 29, 2025 - 8:18am CARLOS-FERRER

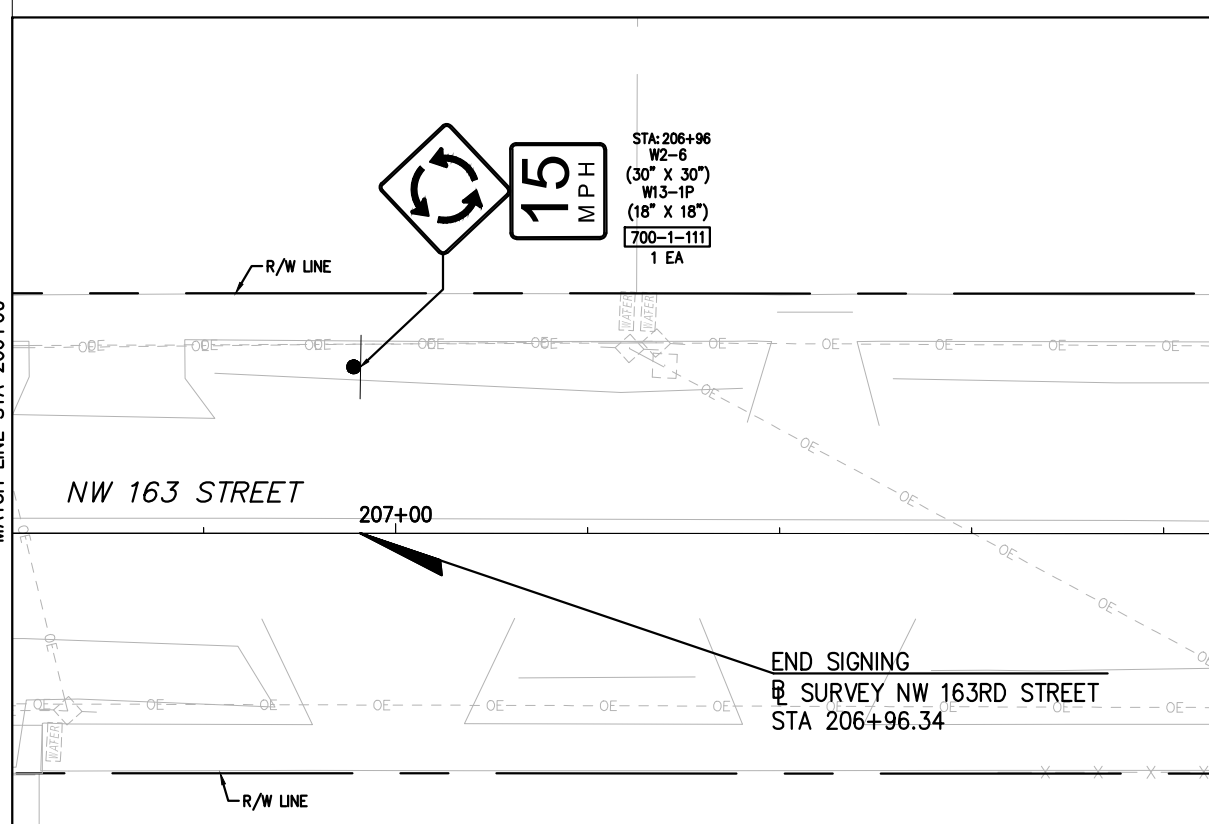
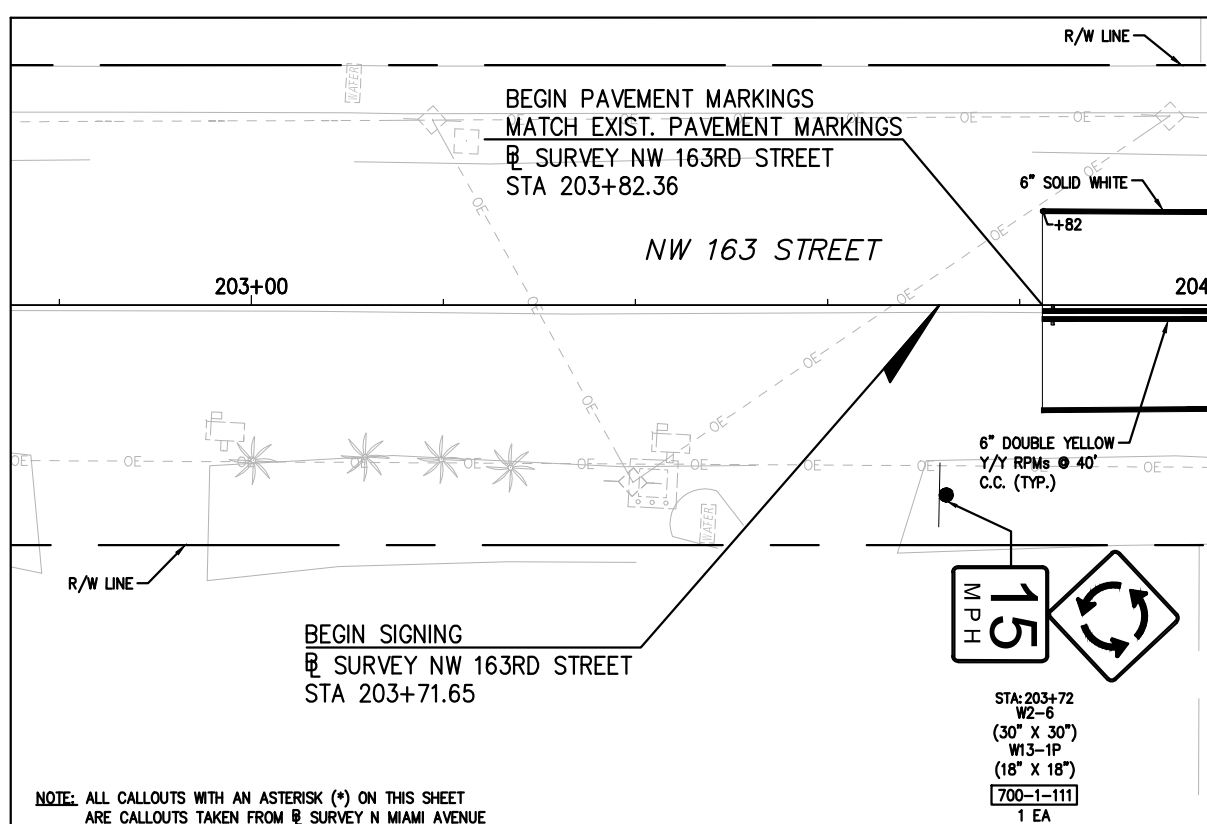
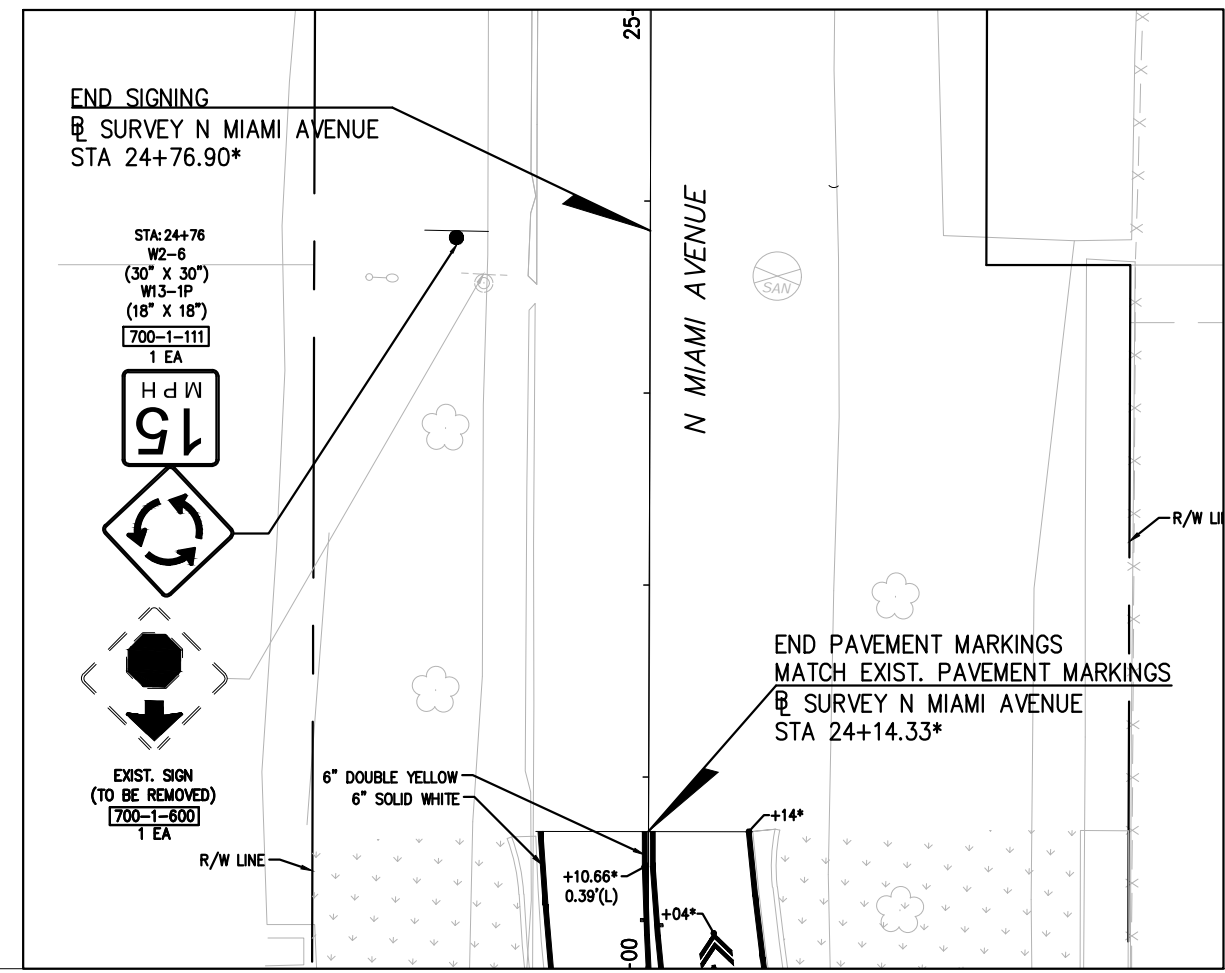
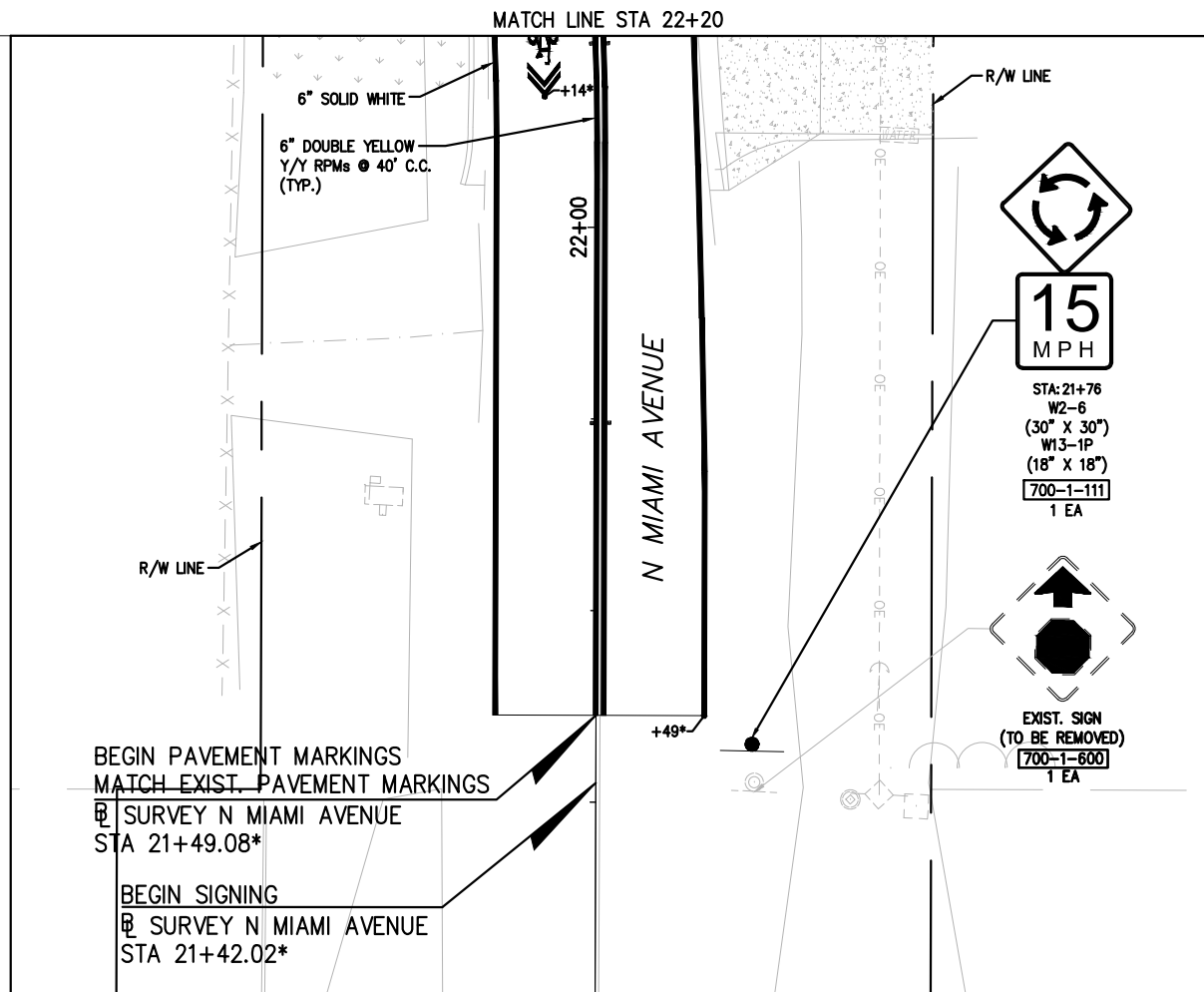
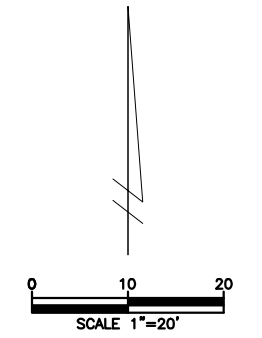
REVISIONS					
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**Kimley-Horn**  
 2 ALHAMBRA PLAZA, SUITE 500,  
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 PHONE: 305-673-2025  
 WWW.KIMLEY-HORN.COM REGISTRY 696

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DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC WORKS  
 HIGHWAY DIVISION  
 STEPHEN P. CLARK CENTER  
 111 NW 1 ST  
 MIAMI, FLORIDA 33128

**SIGNING AND PAVEMENT MARKINGS**



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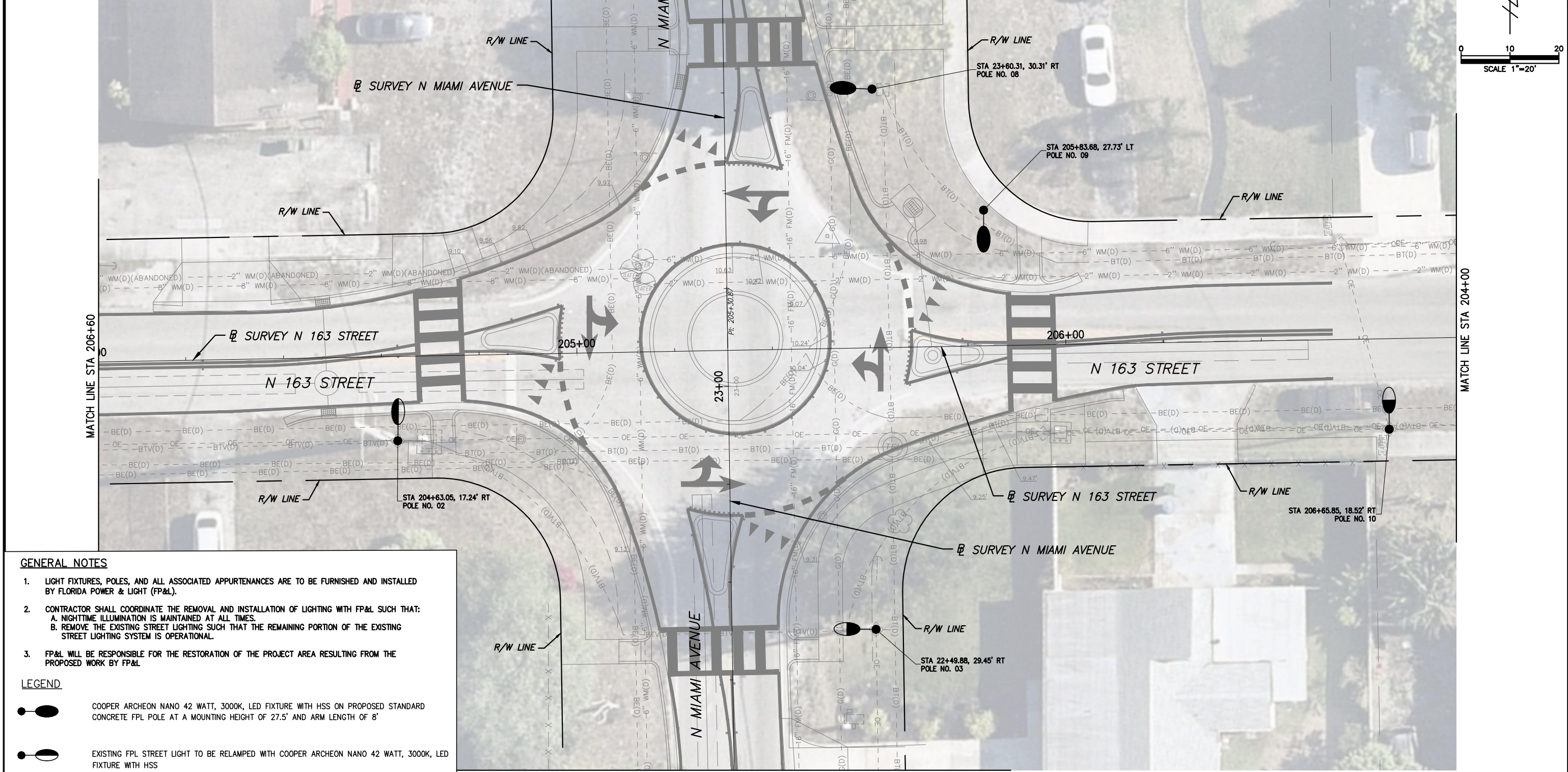
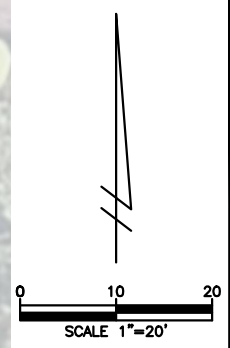
DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE

CHECKED BY:   
 SUPERVISED BY:

DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS  
**MIAMI-DADE COUNTY**  
HIGHWAY DIVISION  
STEPHEN P. CLARK, CENTER  
111 NW 1 ST  
MIAMI, FLORIDA 33128

SIGNING AND PAVEMENT MARKINGS

POLE DATA					
POLE NUMBER	STATION	ARM	LUMINAIRE WATTAGE	M.H	POLE SETBACK AND NOTES
02	204+63.05	EXIST	42	EXIST	17.24 RT
03	22+49.88	8 FT	42	22.5 FT	29.45 RT
08	23+60.31	8 FT	42	27.5 FT	30.31 RT
09	205+83.68	8 FT	42	27.5 FT	27.73 LT
10	206+65.85	8 FT	42	22.5 FT	18.52 RT



**GENERAL NOTES**

- LIGHT FIXTURES, POLES, AND ALL ASSOCIATED APPURTENANCES ARE TO BE FURNISHED AND INSTALLED BY FLORIDA POWER & LIGHT (FP&L).
- CONTRACTOR SHALL COORDINATE THE REMOVAL AND INSTALLATION OF LIGHTING WITH FP&L SUCH THAT:
  - NIGHTTIME ILLUMINATION IS MAINTAINED AT ALL TIMES.
  - REMOVE THE EXISTING STREET LIGHTING SUCH THAT THE REMAINING PORTION OF THE EXISTING STREET LIGHTING SYSTEM IS OPERATIONAL.
- FP&L WILL BE RESPONSIBLE FOR THE RESTORATION OF THE PROJECT AREA RESULTING FROM THE PROPOSED WORK BY FP&L.

**LEGEND**

- COOPER ARCHEON NANO 42 WATT, 3000K, LED FIXTURE WITH HSS ON PROPOSED STANDARD CONCRETE FPL POLE AT A MOUNTING HEIGHT OF 27.5' AND ARM LENGTH OF 8'
- EXISTING FPL STREET LIGHT TO BE RELAMPED WITH COOPER ARCHEON NANO 42 WATT, 3000K, LED FIXTURE WITH HSS
- COOPER ARCHEON NANO 42 WATT, 3000K, LED FIXTURE WITH HSS TO BE MOUNTED ON EXISTING FPL POWER POLE WITH ARM LENGTH OF 8'

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

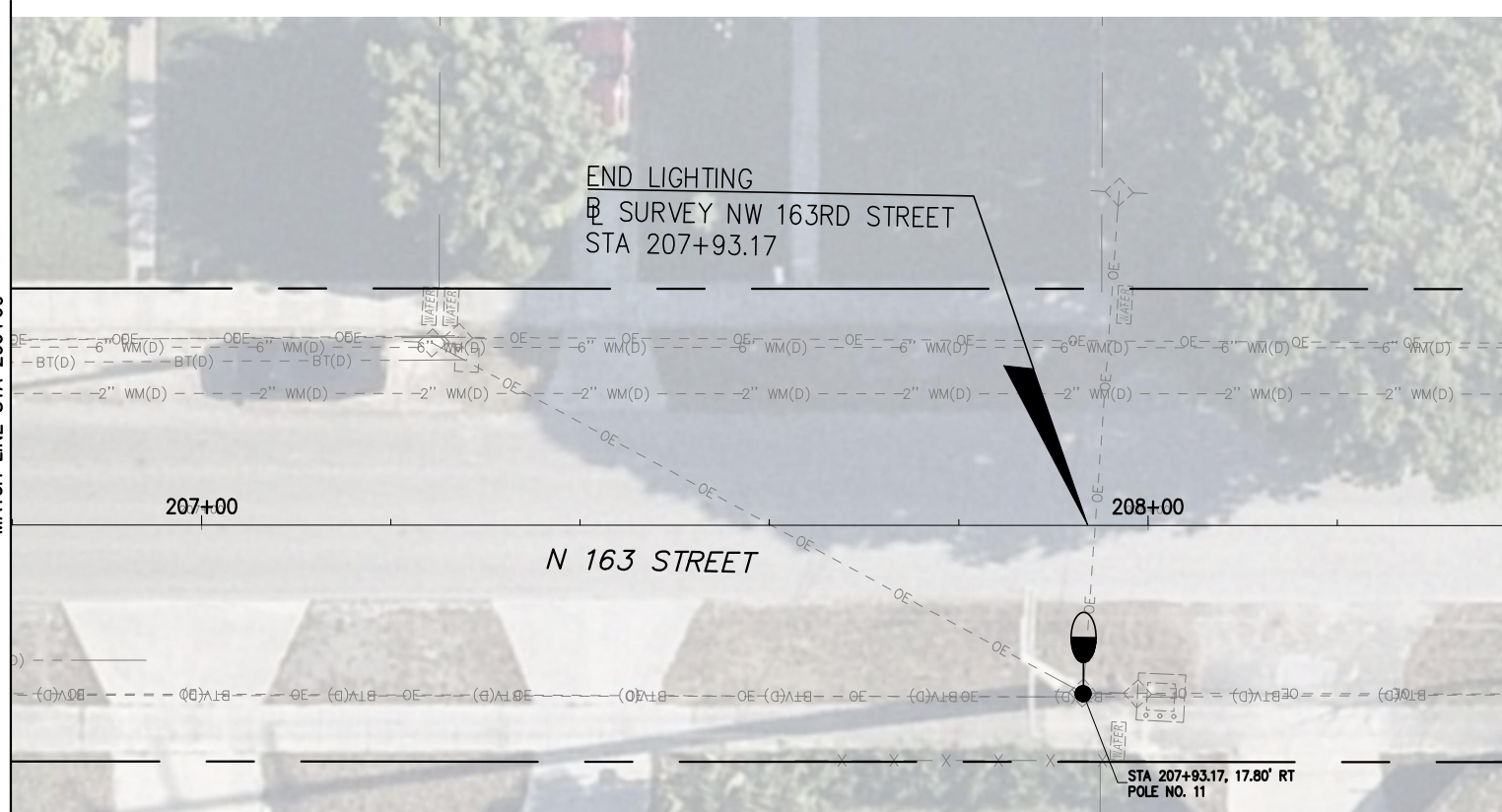
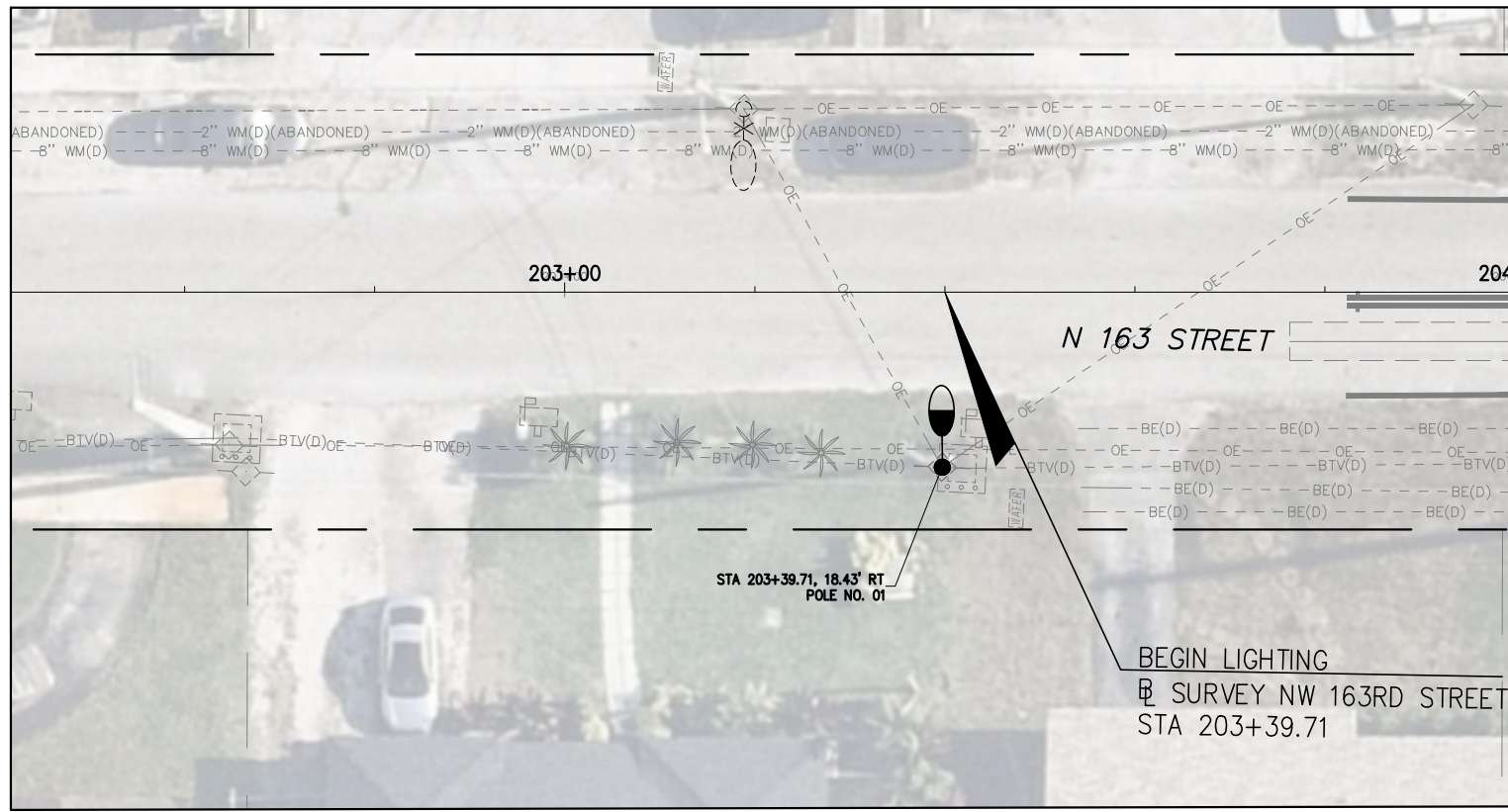
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SUPERVISED BY:					

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 MIAMI-DADE COUNTY  
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**LIGHTING PLANS**

K:\MIB\_Roadway\044769157\_TMO-07-SW\_163rd St\CAD\PlanSheets\L-1 LIGHTING PLANS.dwg Sep 29, 2025 - 8:22am CARLOS.FERRER







POLE DATA					
POLE NUMBER	STATION	ARM	LUMINAIRE WATTAGE	M.H	POLE SETBACK AND NOTES
01	203+39.71	8 FT	42	22.5 FT	18.43 RT
11	207+93.17	8 FT	42	22.5 FT	17.80 RT

**GENERAL NOTES**

- LIGHT FIXTURES, POLES, AND ALL ASSOCIATED APPURTENANCES ARE TO BE FURNISHED AND INSTALLED BY FLORIDA POWER & LIGHT (FP&L).
- CONTRACTOR SHALL COORDINATE THE REMOVAL AND INSTALLATION OF LIGHTING WITH FP&L SUCH THAT:
  - NIGHTTIME ILLUMINATION IS MAINTAINED AT ALL TIMES.
  - REMOVE THE EXISTING STREET LIGHTING SUCH THAT THE REMAINING PORTION OF THE EXISTING STREET LIGHTING SYSTEM IS OPERATIONAL.
- FP&L WILL BE RESPONSIBLE FOR THE RESTORATION OF THE PROJECT AREA RESULTING FROM THE PROPOSED WORK BY FP&L.

**LEGEND**

-  COOPER ARCHEON NANO 42 WATT, 3000K, LED FIXTURE WITH HSS ON PROPOSED STANDARD CONCRETE FPL POLE AT A MOUNTING HEIGHT OF 27.5' AND ARM LENGTH OF 8'
-  EXISTING FPL STREET LIGHT TO BE RELAMPED WITH COOPER ARCHEON NANO 42 WATT, 3000K, LED FIXTURE WITH HSS
-  COOPER ARCHEON NANO 42 WATT, 3000K, LED FIXTURE WITH HSS TO BE MOUNTED ON EXISTING FPL POWER POLE WITH ARM LENGTH OF 8'
-  EXISTING STREET LIGHT TO BE REMOVED BY FP&L

K:\MIB\_Roadway\044769157 TMO-07-SW 163rd St\CAD\PlanSheets\L-1 LIGHTING PLANS.dwg Sep 29, 2025 - 8:22am CARLOS.FERRER

REVISIONS					
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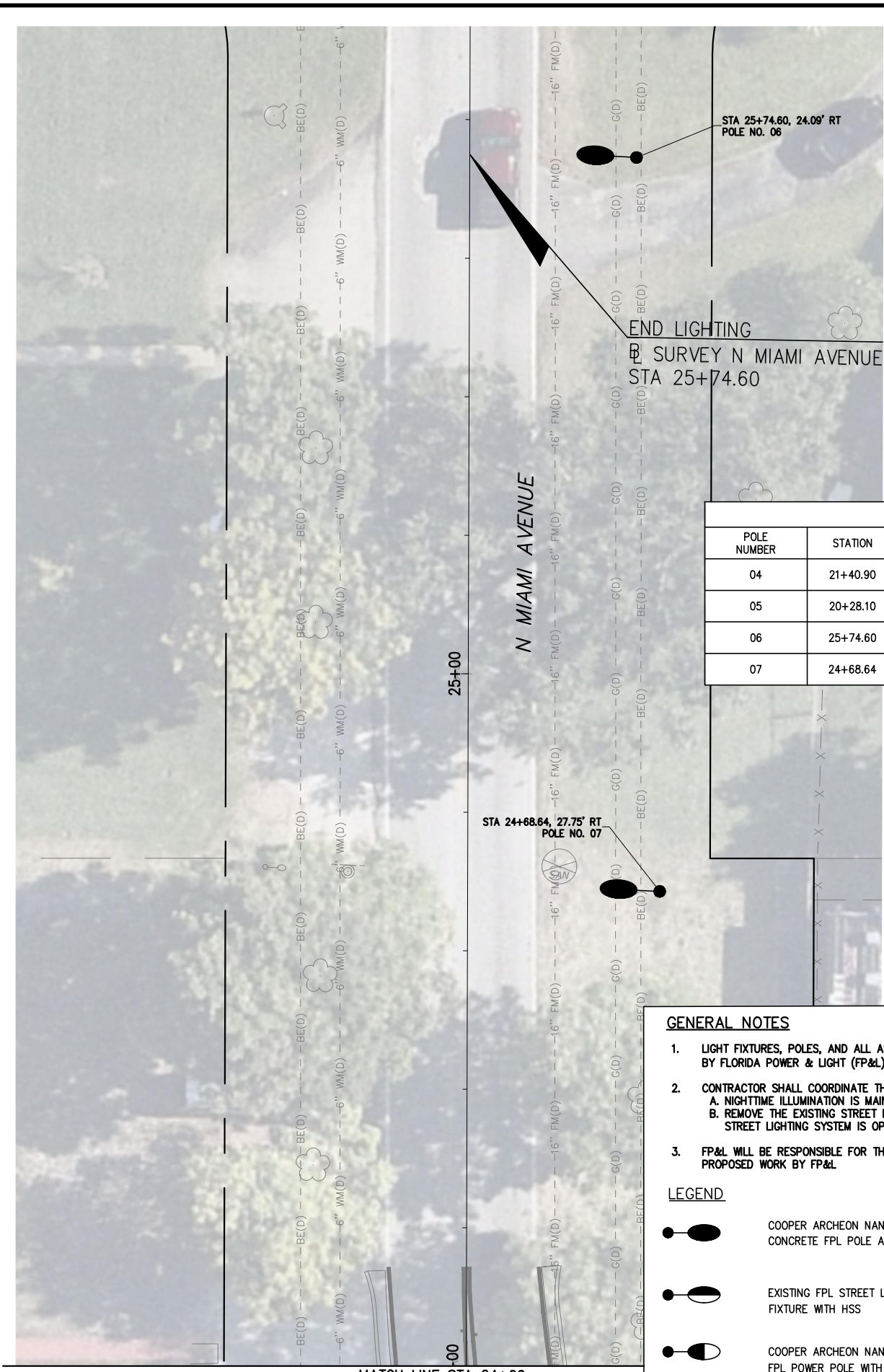
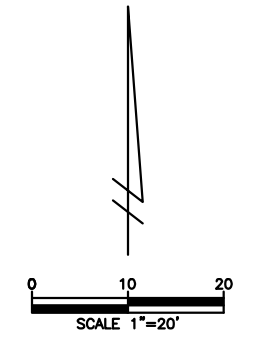
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SUPERVISED BY: \_\_\_\_\_

DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS  
**MIAMI-DADE COUNTY**  
HIGHWAY DIVISION  
STEPHEN P. CLARK, CENTER  
111 NW 1 ST  
MIAMI, FLORIDA 33128

*LIGHTING PLANS*



POLE DATA					
POLE NUMBER	STATION	ARM	LUMINAIRE WATTAGE	M.H	POLE SETBACK AND NOTES
04	21+40.90	EXIST	42	EXIST	29.42 RT
05	20+28.10	8 FT	42	27.5 FT	27.57 RT
06	25+74.60	8 FT	42	27.5 FT	24.09 RT
07	24+68.64	8 FT	42	27.5 FT	27.75 RT

**GENERAL NOTES**

- LIGHT FIXTURES, POLES, AND ALL ASSOCIATED APPURTENANCES ARE TO BE FURNISHED AND INSTALLED BY FLORIDA POWER & LIGHT (FP&L).
- CONTRACTOR SHALL COORDINATE THE REMOVAL AND INSTALLATION OF LIGHTING WITH FP&L SUCH THAT:
  - NIGHTTIME ILLUMINATION IS MAINTAINED AT ALL TIMES.
  - REMOVE THE EXISTING STREET LIGHTING SUCH THAT THE REMAINING PORTION OF THE EXISTING STREET LIGHTING SYSTEM IS OPERATIONAL.
- FP&L WILL BE RESPONSIBLE FOR THE RESTORATION OF THE PROJECT AREA RESULTING FROM THE PROPOSED WORK BY FP&L.

**LEGEND**

- COOPER ARCHEON NANO 42 WATT, 3000K, LED FIXTURE WITH HSS ON PROPOSED STANDARD CONCRETE FPL POLE AT A MOUNTING HEIGHT OF 27.5' AND ARM LENGTH OF 8'
- EXISTING FPL STREET LIGHT TO BE RELAMPED WITH COOPER ARCHEON NANO 42 WATT, 3000K, LED FIXTURE WITH HSS
- COOPER ARCHEON NANO 42 WATT, 3000K, LED FIXTURE WITH HSS TO BE MOUNTED ON EXISTING FPL POWER POLE WITH ARM LENGTH OF 8'

K:\MIB\_Roadway\044769157 TMO-07-SW 163rd St\CAD\PlanSheets\L-1 LIGHTING PLANS.dwg Sep 29, 2025 - 8:22am CARLOS.FERRER

REVISIONS								
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

**Kimley-Horn**  
2 ALHAMBRA PLAZA, SUITE 500,  
CORAL GABLES, FL 33134  
PHONE: 305-673-2025  
WWW.KIMLEY-HORN.COM REGISTRY 696

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE

MIAMI-DADE COUNTY  
DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS  
HIGHWAY DIVISION  
STEPHEN P. CLARK, CENTER  
111 NW 1 ST  
MIAMI, FLORIDA 33128

**LIGHTING PLANS**