

Traffic Circle Improvements at N Miami Avenue and N 195th St

FDID No. 449371-1-58-01

Intersection of N Miami Ave and NW 195th St – Approx. 150 ft from intersection at Sta 30+75.31 / End Project 33+31.12, along Miami Ave.

ENGINEERING DRAWINGS

Disadvantaged Business Enterprise Program:

Not Applicable

Community Workforce Program:

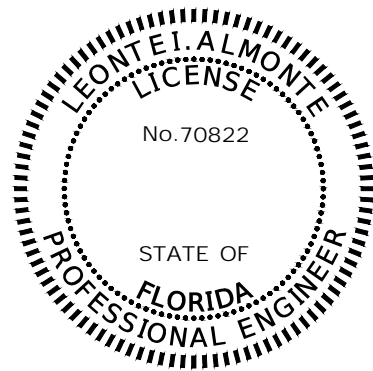
Not Applicable

DTPW Capital Improvements Engineer:

Katherine Fernandez

RPQ Issue Date:

4/16/2026



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

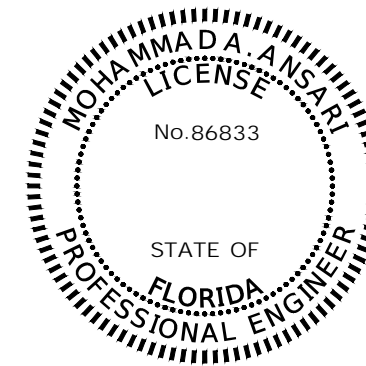
ON THE DATE ADJACENT TO THE SEAL

SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

KIMLEY-HORN AND ASSOCIATES, INC
 2 ALHAMBRA PLAZA, SUITE 500
 MIAMI, 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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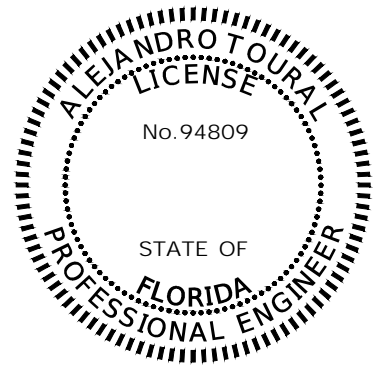
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 2 ALHAMBRA PLAZA, SUITE 500
 CORAL GABLES, FLORIDA 33134
 REGISTRY 35106
 MOHAMMAD A. ANSARI, P.E. 86833

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



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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	INLET PROTECTION SYSTEMS DETAILS
9	SEDIMENT BARRIERS 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

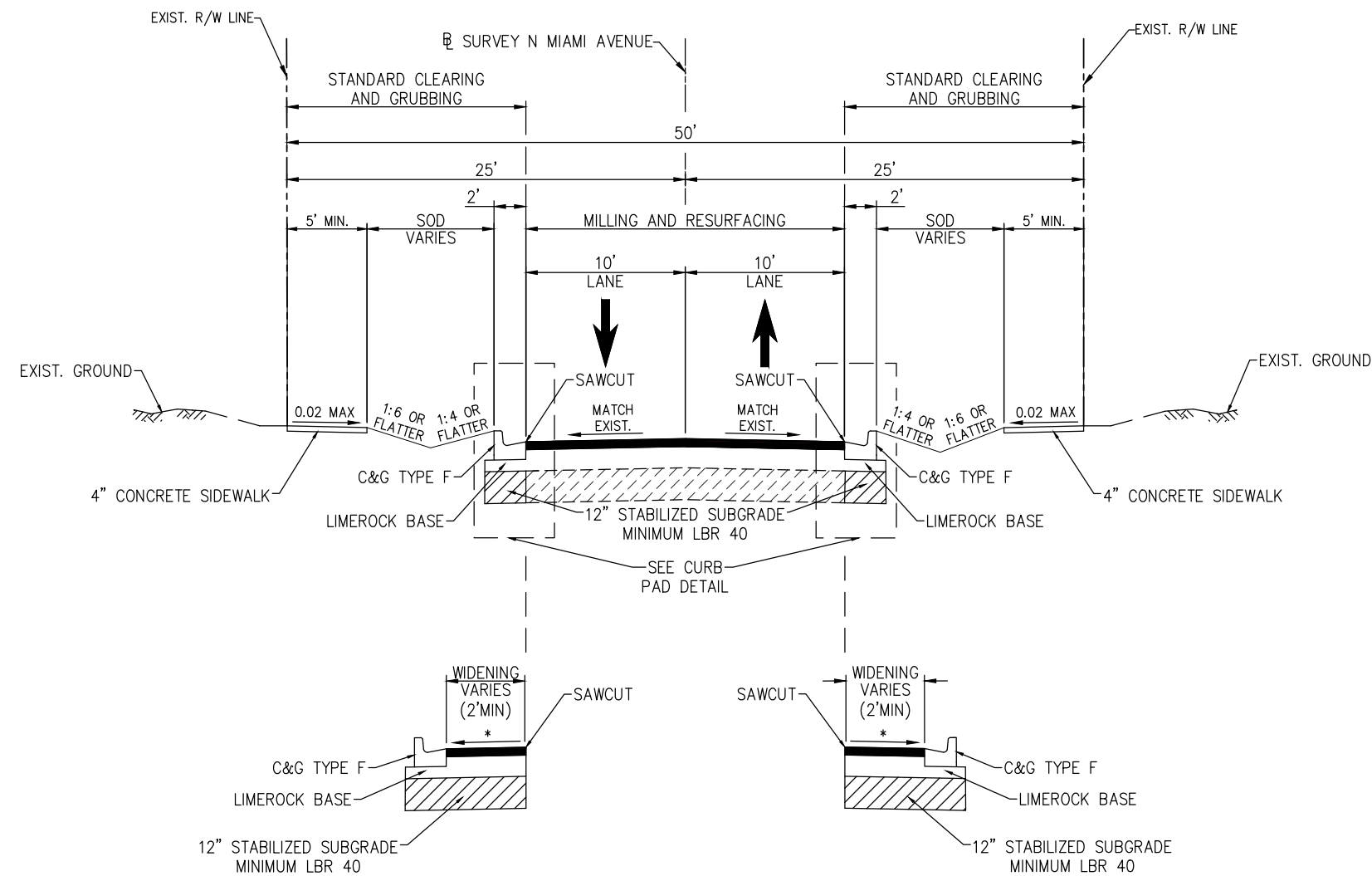
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SUPERVISED BY:					

MIAMI-DADE COUNTY

**DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
 HIGHWAY DIVISION**

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

SIGNATURE SHEET



TYPICAL SECTION N MIAMI AVENUE

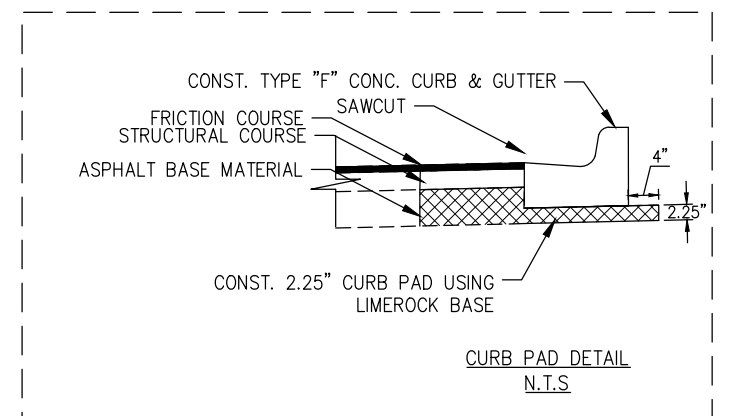
TRAFFIC CIRCLE IMPROVEMENTS
 AT N MIAMI AVENUE AND N 195 STREET

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")

DESIGN SPEED 35 MPH
 POSTED SPEED 30 MPH

NOTE
 * MATCH ADJACENT CROSS SLOPES



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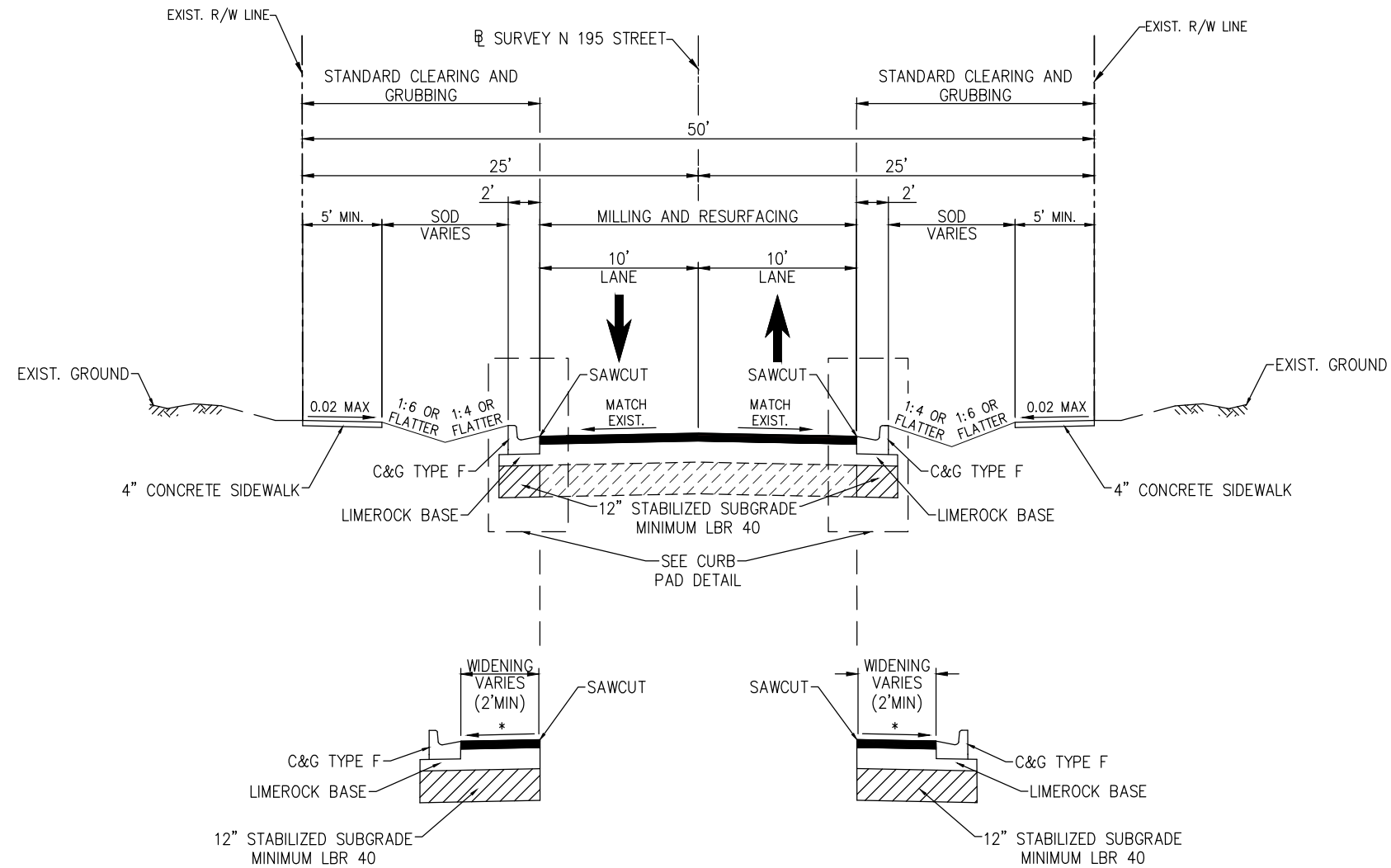
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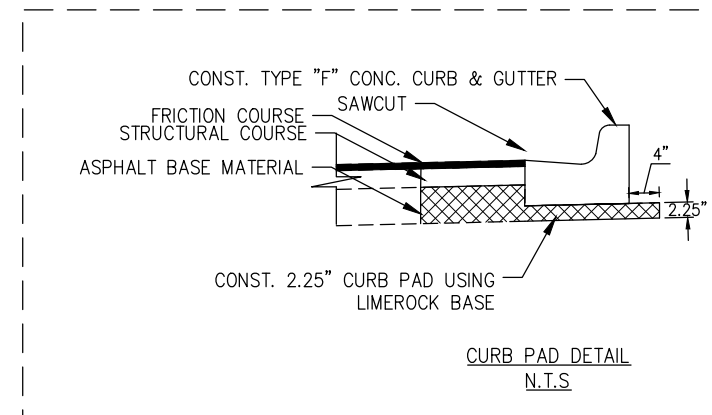
TYPICAL SECTION



TYPICAL SECTION N 195 STREET

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 AT N MIAMI AVENUE AND N 195 STREET

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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

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 FIELD VERIFY BY PRE--TRENCHING, HAND EXCAVATION, OR SOFT DIGS THE LOCATIONS OF ALL PROPOSED DRAINAGE INFRASTRUCTURE PRIOR TO SUBMITTING SHOP DRAWINGS. IF ANY CONFLICTS ARE IDENTIFIED, THE PROJECT OWNER AND THE ENGINEER SHALL BE NOTIFIED. COST FOR THIS WORK TO BE INCLUDED IN THE RELATED BID ITEMS.
11. 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.
12. THE CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD AND UNDERGROUND UTILITIES.
13. 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--688--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.
14. 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
15. 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.
16. ANY DAMAGE TO PUBLIC OR PRIVATE PROPERTY SHALL BE RESTORED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
17. ANY ENCROACHMENT WITHIN THE LIMITS OF CONSTRUCTION SHALL BE RELOCATED OR PROTECTED BY THE ADJACENT PROPERTY OWNER AT THEIR EXPENSE.
18. CLEARING AND GRUBBING, GRADING AND OTHER INCIDENTAL WORK NECESSARY FOR HARMONIZATION OUTSIDE R/W SHALL BE INCLUDED IN RELATED BID ITEMS.
19. ALL GRASS AREAS AFFECTED BY CONSTRUCTION SHALL BE RE--SODDED. COST TO BE INCLUDED UNDER PAY ITEM 570--1--2.
20. 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.
21. 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.
22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE DEWATERING PERMIT (IF NEEDED). COST OF THE PERMIT AND DEWATERING SHALL BE INCLUDED IN THE THE RELATED BID ITEM FOR THE WORK BEING DONE.
23. 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.
24. 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.
25. ALL DITCH EXCAVATIONS SHALL BE PERFORMED IN FULL COMPLIANCE WITH THE PROVISIONS OF THE TRENCH SAFETY ACT.
26. 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.
27. 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.
28. 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.
29. 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.
30. 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 IMPROVEMENTS NOT SPECIFIED FOR REMOVAL, WHICH ARE 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.
31. ALL TREES WITHIN THE PROJECT LIMITS ARE TO REMAIN, NO TREE IMPACTS ARE EXPECTED FOR THIS PROJECT. ANY TREE IMPACTS THAT DO OCCUR WOULD NEED TO BE COORDINATED WITH PLEMO PRIOR TO THE IMPACT OCCURRING.
32. 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.
33. THE CONTRACTOR SHALL PREPARE AND SUBMIT SHOP DRAWINGS FOR ALL ITEMS USED IN THIS PROJECT.
34. 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.
35. 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.
36. CAST IRON PRODUCTS: HEAVY--DUTY CLASSIFICATION SUITABLE FOR HIGHWAY TRAFFIC LOADS OR 16,000 LBS WHEEL LOADS.
37. STEEL GRATING AND COVERS: TRAFFIC CLASSIFICATION H--20; 16,000 LBS OVER 8"x20" AREA.
38. 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.
39. PRIOR TO CONSTRUCTION THE CONTRACTOR WILL INSPECT ALL EXISTING STRUCTURES WHICH ARE TO REMAIN AND NOTIFY THE ENGINEER OF ANY OBVIOUS STRUCTURAL DEFICIENCIES.
40. CONTRACTOR SHALL ADJUST ALL EXISTING VALVES, CATCH BASINS, GRATES, AND STORM MANHOLE COVERS TO MEET NEW GRADES WHERE APPLICABLE.
41. OFFSET AND ELEVATION SHOWN AT DRAINAGE STRUCTURES REFER TO FDOT OFFSET LOCATION UNLESS OTHERWISE NOTED.
42. RADII ON CURB RETURNS ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
43. 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.
44. 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.
45. 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 FOOT STANDARD PLANS.
46. WHERE NEW PAVEMENT MEETS EXISTING, CONNECTION SHALL BE MADE IN A NEAT STRAIGHT LINE AND FLUSH WITH THE EXISTING PAVEMENT.
47. THE LOCATION OF SOME DRIVEWAYS IS APPROXIMATE. VERIFICATION OF EXACT LOCATION AND DIMENSIONS IS RECOMMENDED. COST TO BE INCLUDED IN PAY ITEM 522--2.
48. 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.
49. 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.
50. CONTRACTOR TO INSTALL ½" PREFORMED EXPANSION JOINT WHEN PROPOSED SIDEWALK IMPROVEMENTS IS IMMEDIATELY ADJACENT TO EXISTING CONCRETE SLAB AND/OR BUILDING.
51. 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.
52. DESIGN WATER TABLE ELEVATION: 2.30 FT--NGVD
53. 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.
54. 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.
55. THE ROADWAY CONTRACTOR MUST MAINTAIN ACCESS TO ALL FPL FACILITIES AT ALL TIMES DURING CONSTRUCTION.
56. ALL EXISTING FACILITIES MUST REMAIN ENERGIZED DURING ROAD CONSTRUCTION.
57. 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.
58. LIMITS OF 4" CONCRETE AND 6" CONCRETE TO BE DETERMINED BY CONTRACTOR IN ACCORDANCE WITH FDOT STANDARD 522--001.
59. CONTRACTOR SHALL REPLACE ALL AFFECTED DRIVEWAYS WITH THE SAME MATERIAL AND COLORS AS CURRENT, UNLESS STATED OTHERWISE IN THE PLANS.
60. CENTRAL ISLAND TREATMENT: EXISTING ASPHALT PAVEMENT AND BASE TO BE REMOVED; EXISTING STABILIZATION TO BE SACRIFICED 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) MAY BE REQUIRED TO 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

Kimley-Horn
2 ALHAMBRA PLAZA, SUITE 500,
CORAL GABLES, FL 33134
PHONE: 305-873-2025
WWW.KIMLEY-HORN.COM REGISTRY 080

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

GENERAL NOTES

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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&SC 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: 0.64
 - 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: 0.70
 - B) DURING: 0.76
 - C) AFTER CONSTRUCTION: 0.76
 - 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&SC 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 ENCLOSED 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&SC 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&SC 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 TARPULIN. 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

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

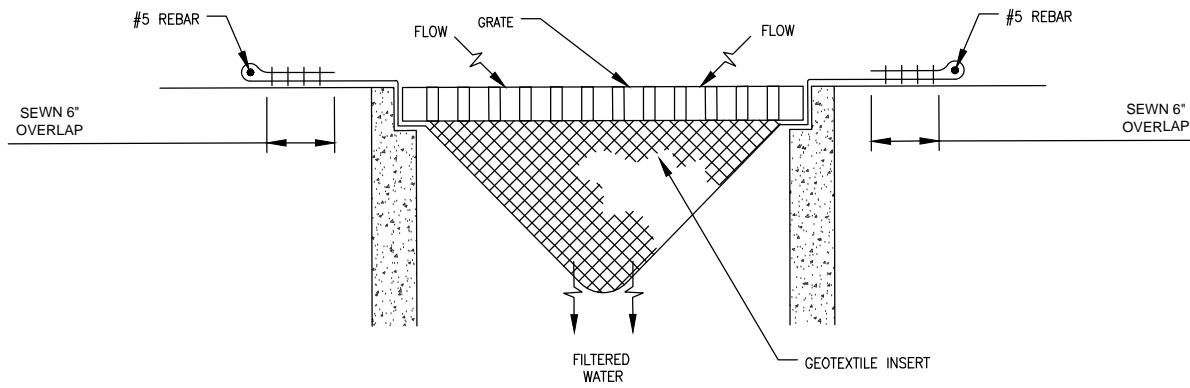
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SUPERVISED BY: _____

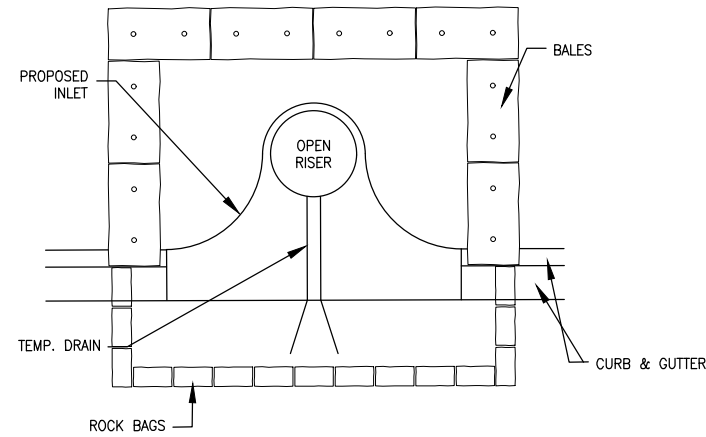
DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
 HIGHWAY DIVISION
 MIAMI-DADE COUNTY
 STEPHEN P. CLARK CENTER
 111 NW 1 ST
 MIAMI, FLORIDA 33128

STORMWATER POLLUTION PREVENTION PLAN

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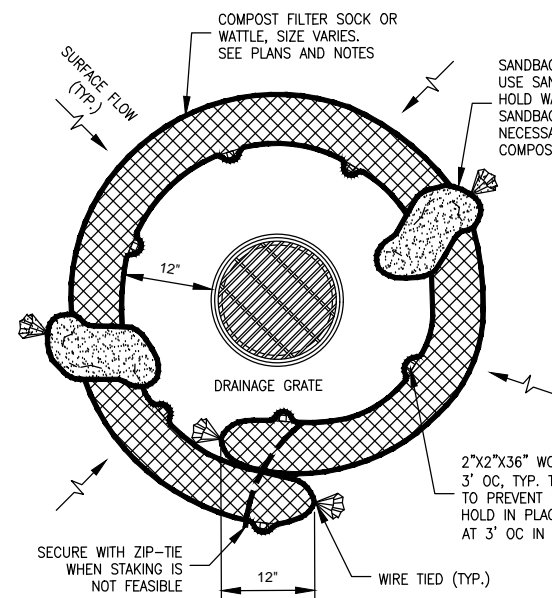


PREFABRICATED FILTER INSERT – TYPE 1
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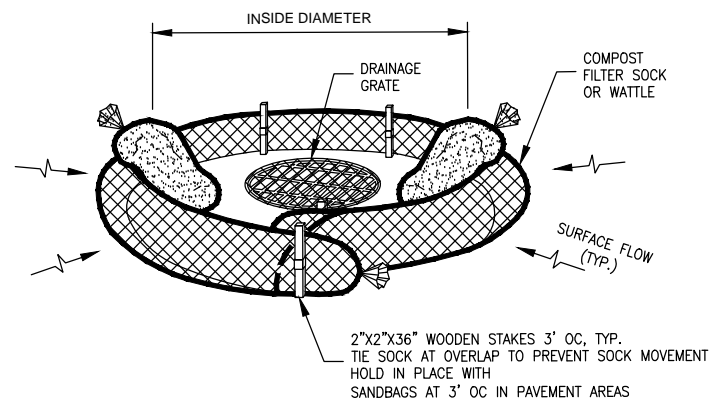


PARTIAL INLET

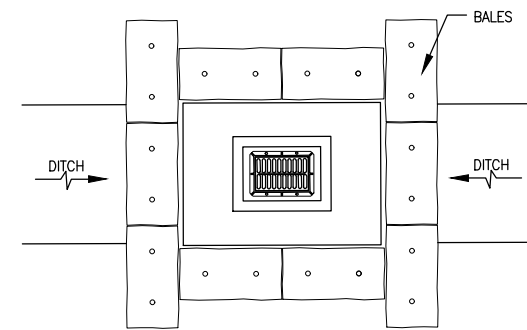
COMPLETED INLET



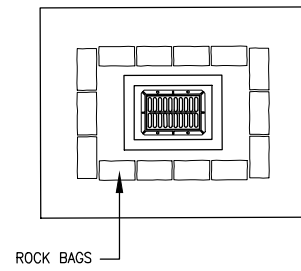
AREA DRAIN PLAN



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

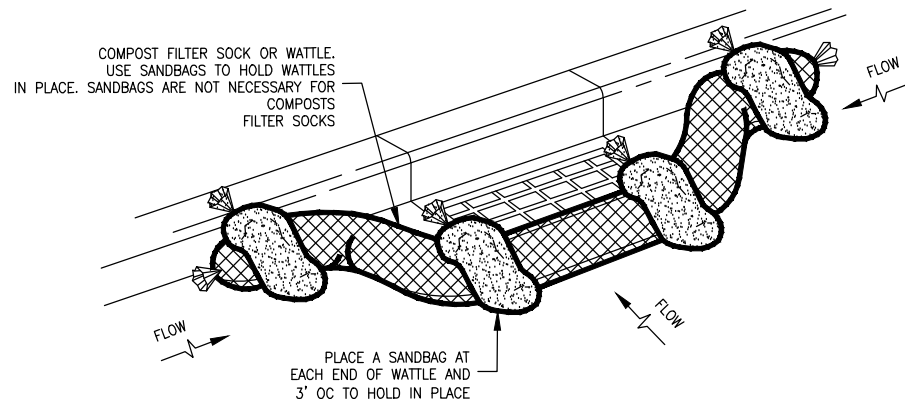
TYPE 1 – PREFABRICATED FILTER INSERTS
 INSTALL PREFABRICATED FILTER INSERTS
 ACCORDING TO THE PLANS, SPECIAL PROVISIONS,
 AND MANUFACTURER RECOMMENDATIONS.
 PREFABRICATED INSERTS WITH PROVISIONS FOR
 OVERFLOW ARE ALLOWED ONLY WHEN
 ACCOMPANIED BY ADDITIONAL BMP'S TO
 PREVENT THE POTENTIAL OF SEDIMENTS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

TYPE 2 – COMPOST FILTER SOCK
 DRIVE 2\"/>

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\"/>

INLET PROTECTION SYSTEM (TYP.) OR APPROVED ALTERNATIVE



CURB INLET PERSPECTIVE VIEW

COMPOST FILTER SOCK OR WATTLE – TYPE 2
 NOT TO SCALE

REVISIONS

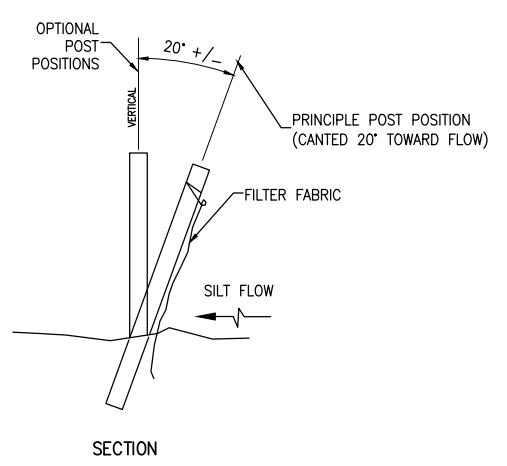
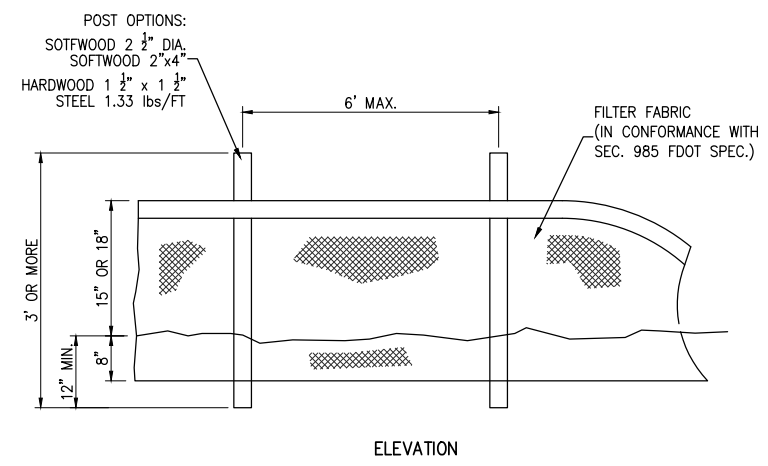
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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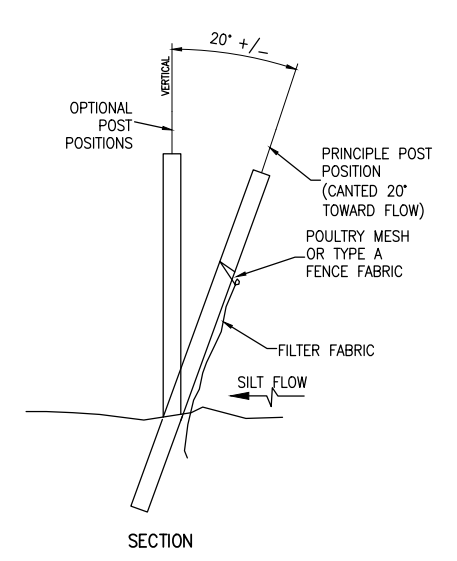
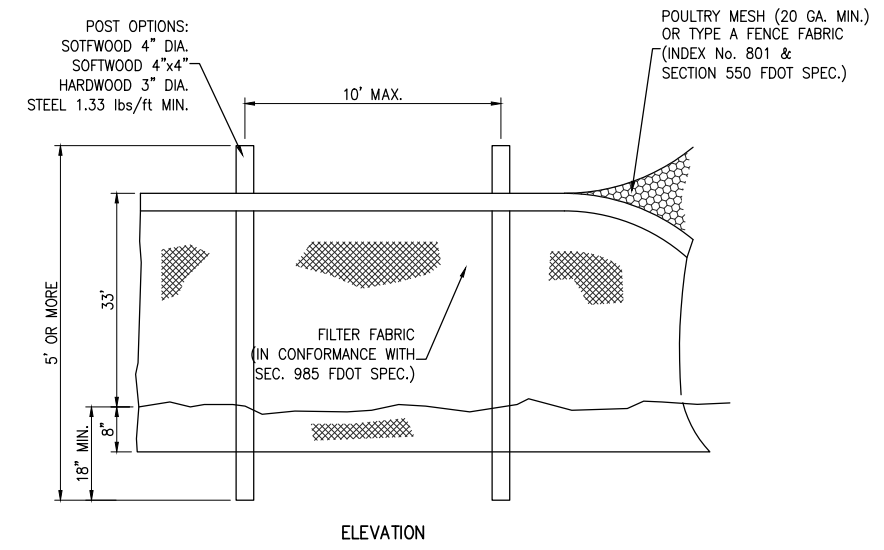
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DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
MIAMI-DADE COUNTY
 HIGHWAY DIVISION
 STEPHEN P. CLARK, CENTER
 111 NW 1 ST
 MIAMI, FLORIDA 33128

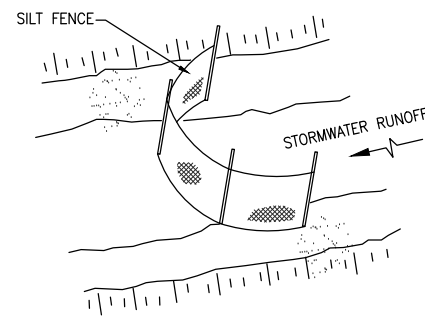
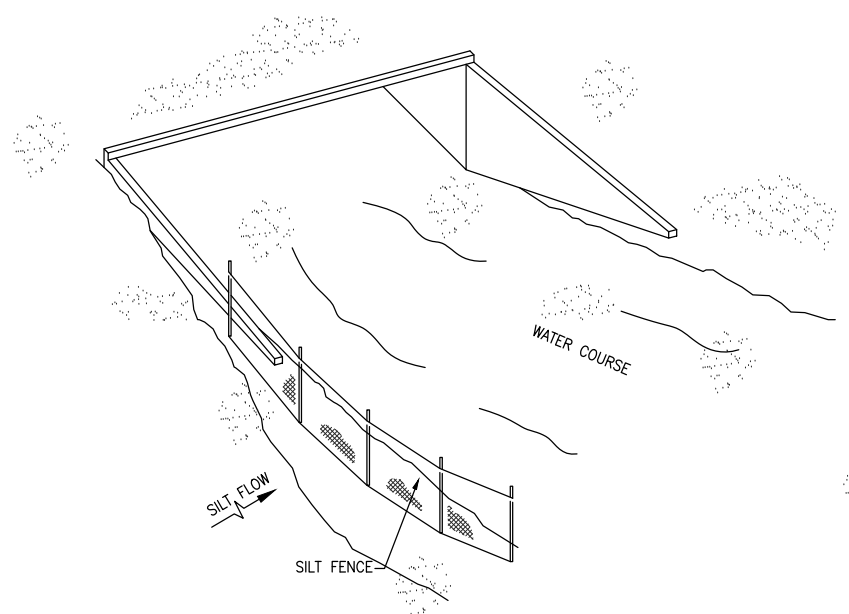
INLET PROTECTION SYSTEMS DETAILS



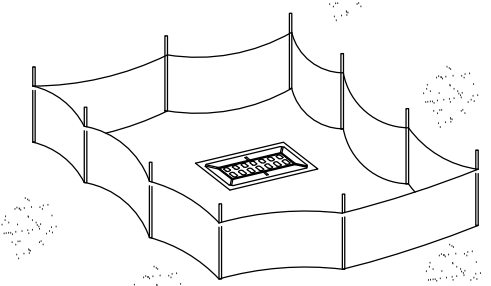
TYPE III SILT FENCE (TYP.)



TYPE IV SILT FENCE (TYP.)



SILT FENCE PROTECTION IN
 DITCHES WITH INTERMITTENT FLOW

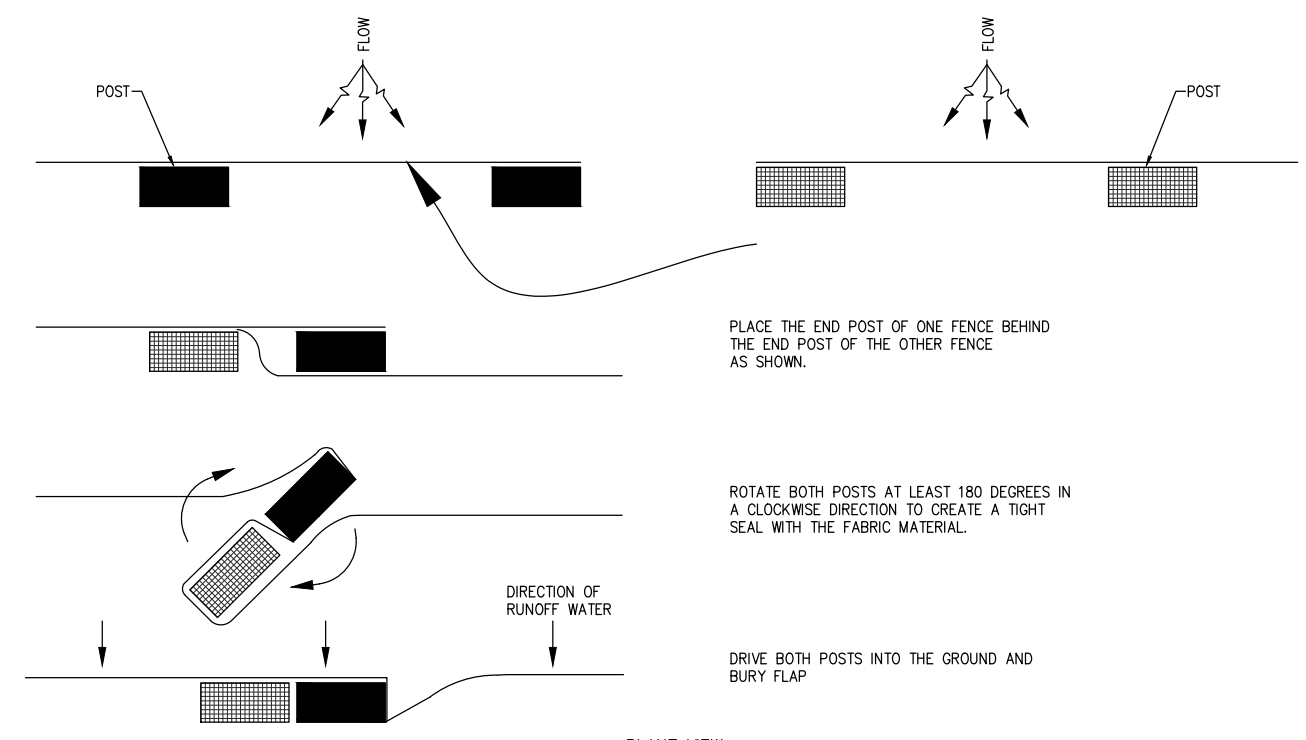


SILT FENCE PROTECTION
 AROUND DITCH BOTTOM INLETS

SILT FENCE APPLICATIONS (TYP.)

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.



JOINING TWO SILT FENCES (TYP.)

- 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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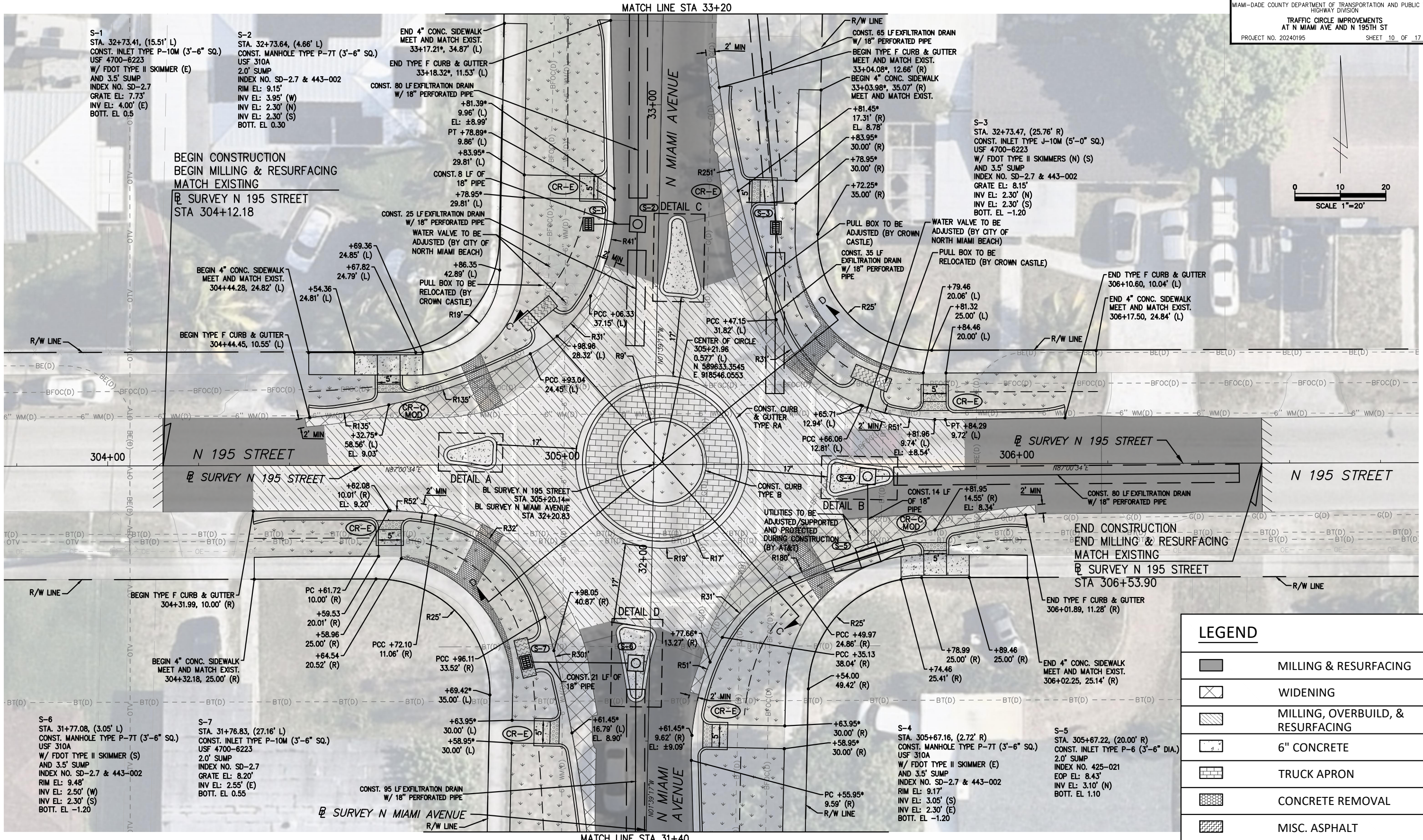
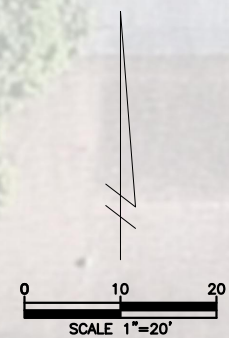
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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
CHECKED BY			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

SEDIMENT BARRIERS
 DETAILS



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

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

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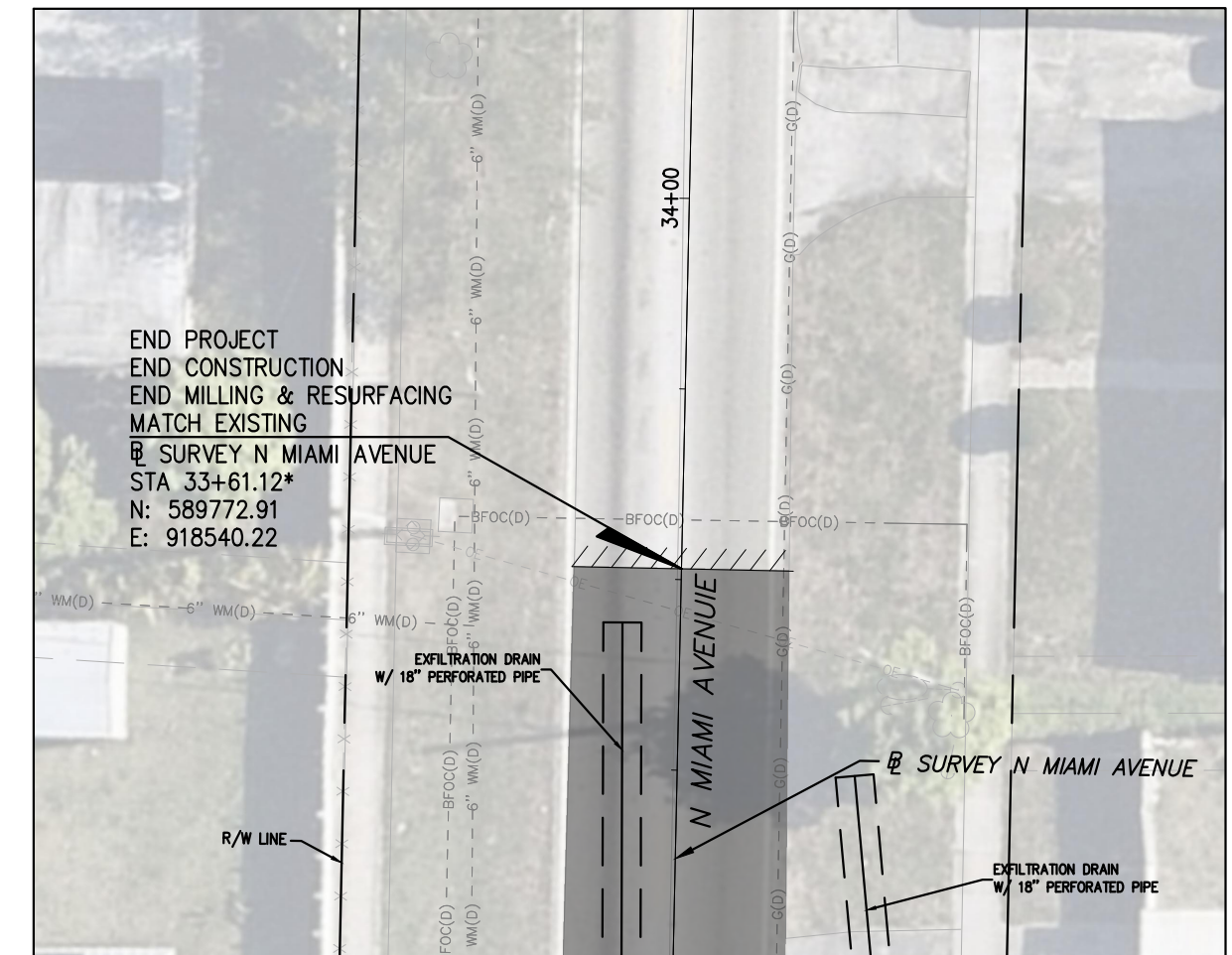
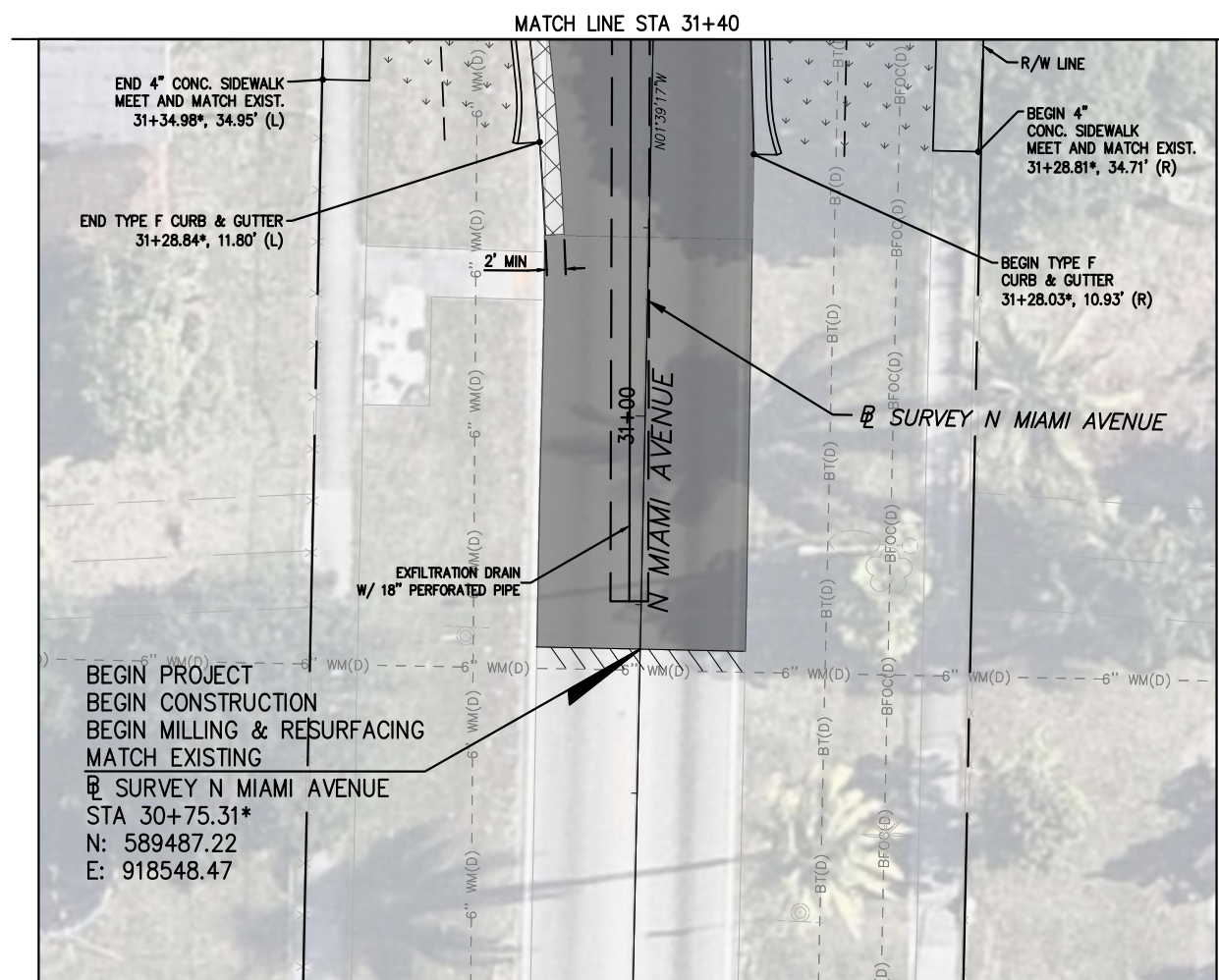
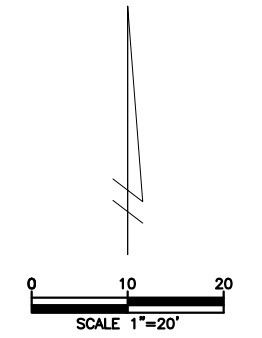
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STEPHEN P. CLARK, CENTER
111 NW 1 ST
MIAMI, FLORIDA 33128

ROADWAY PLANS



MATCH LINE STA 33+20

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

LEGEND	
	MILLING & RESURFACING
	WIDENING
	SOD

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REVISIONS					
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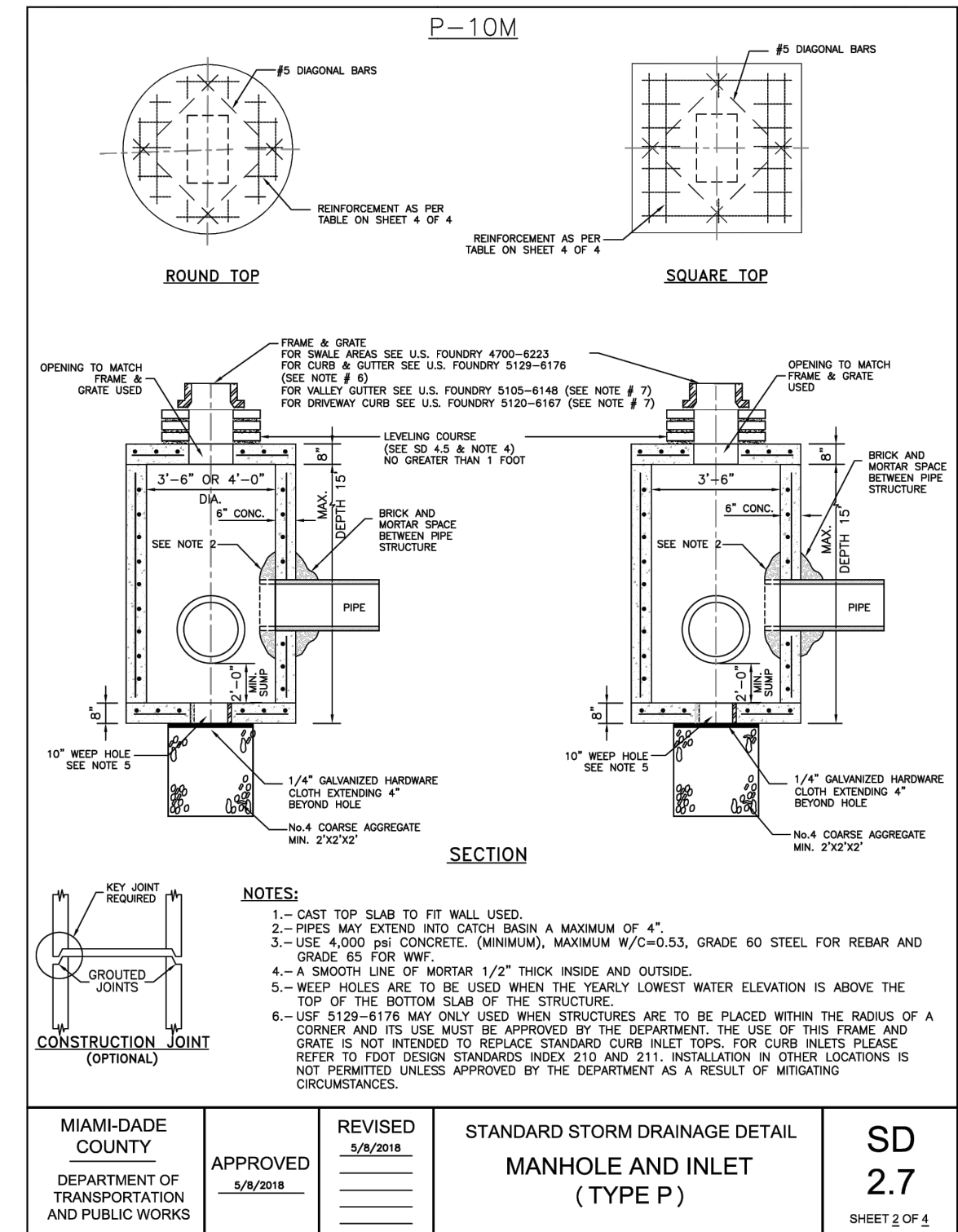
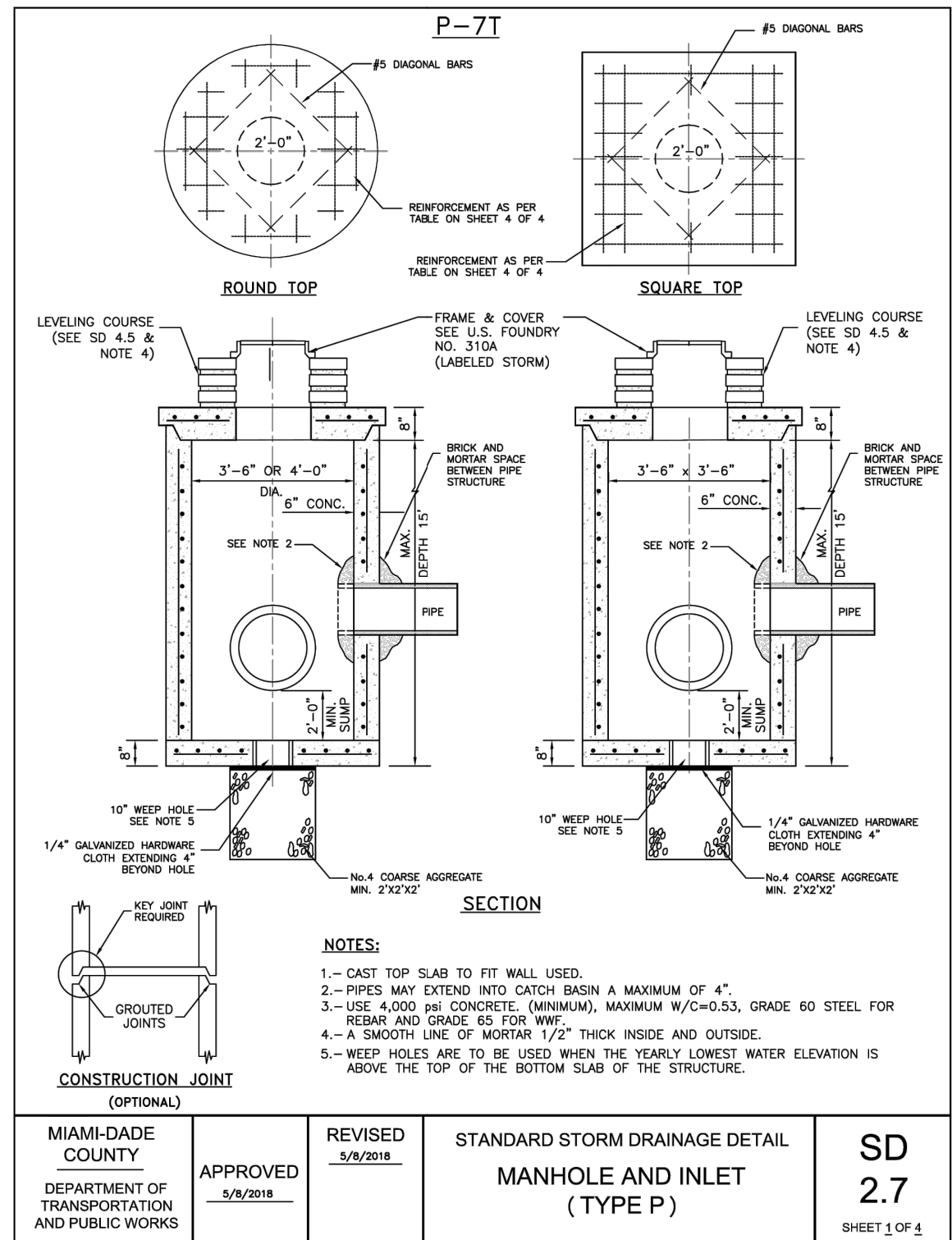
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ROADWAY PLANS



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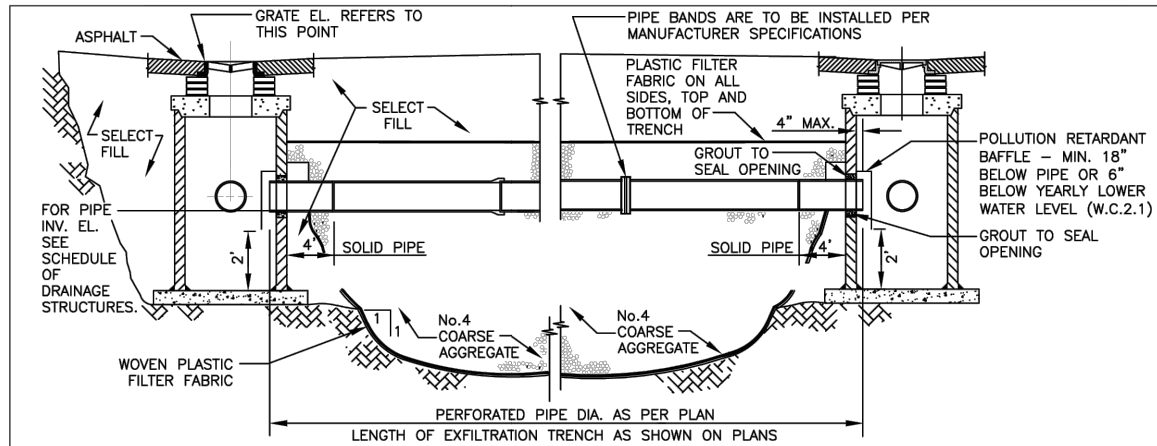
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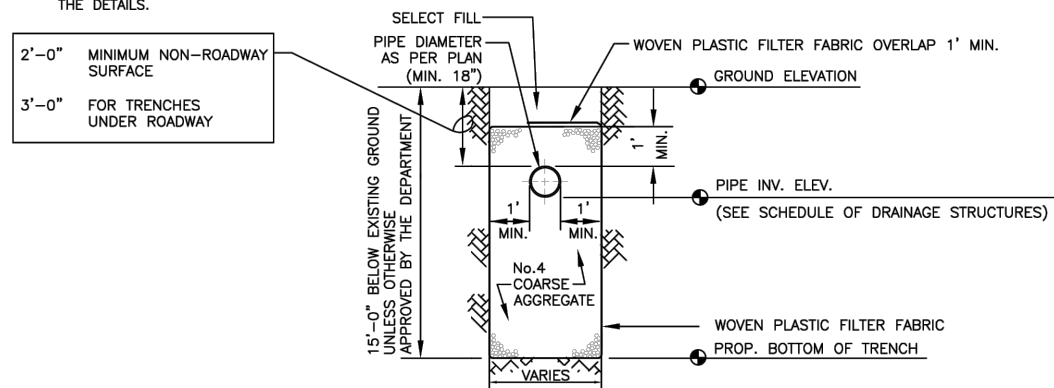
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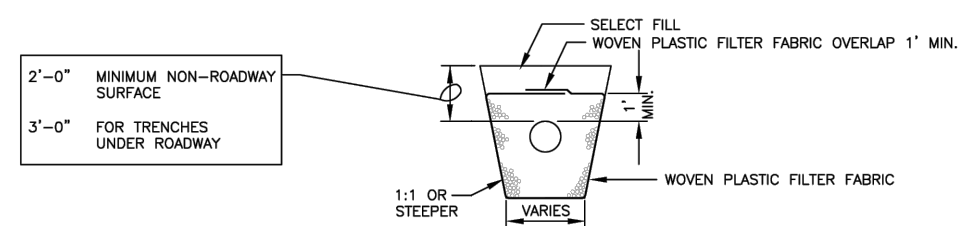
LONGITUDINAL SECTION

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
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REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

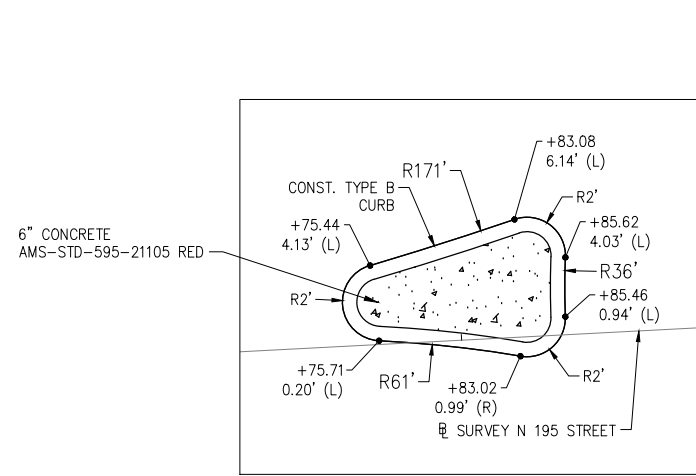
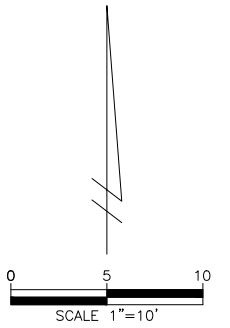
Kimley-Horn
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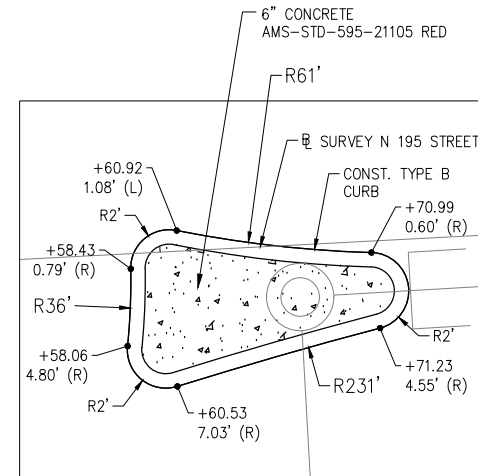
DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
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STANDARD DETAIL

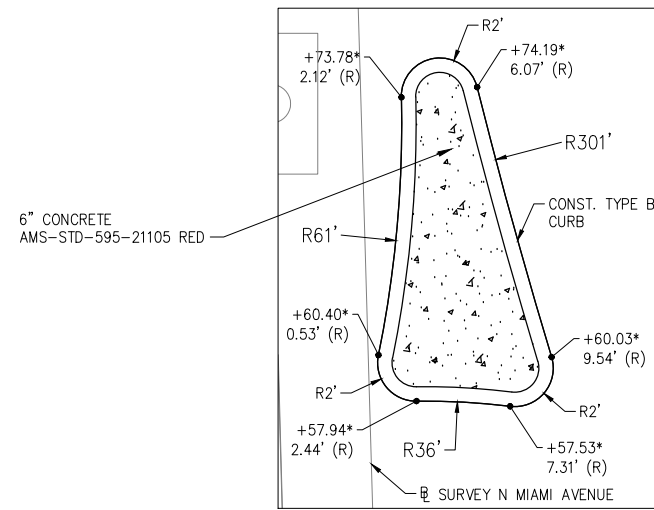
SPLITTER ISLAND DETAILS



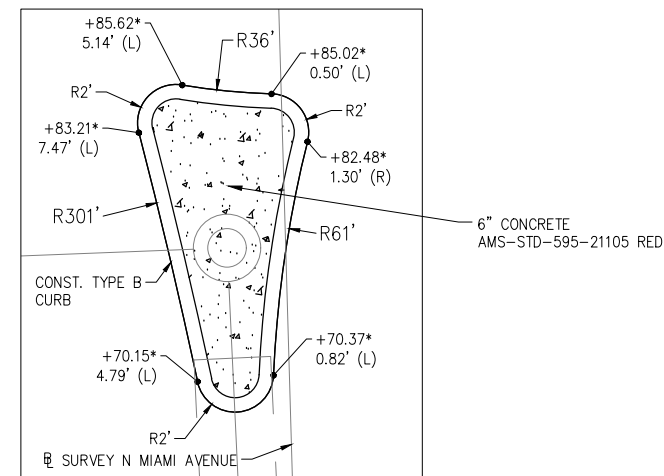
DETAIL A



DETAIL B




DETAIL C



DETAIL D

LEGEND

 6" CONCRETE

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REVISIONS

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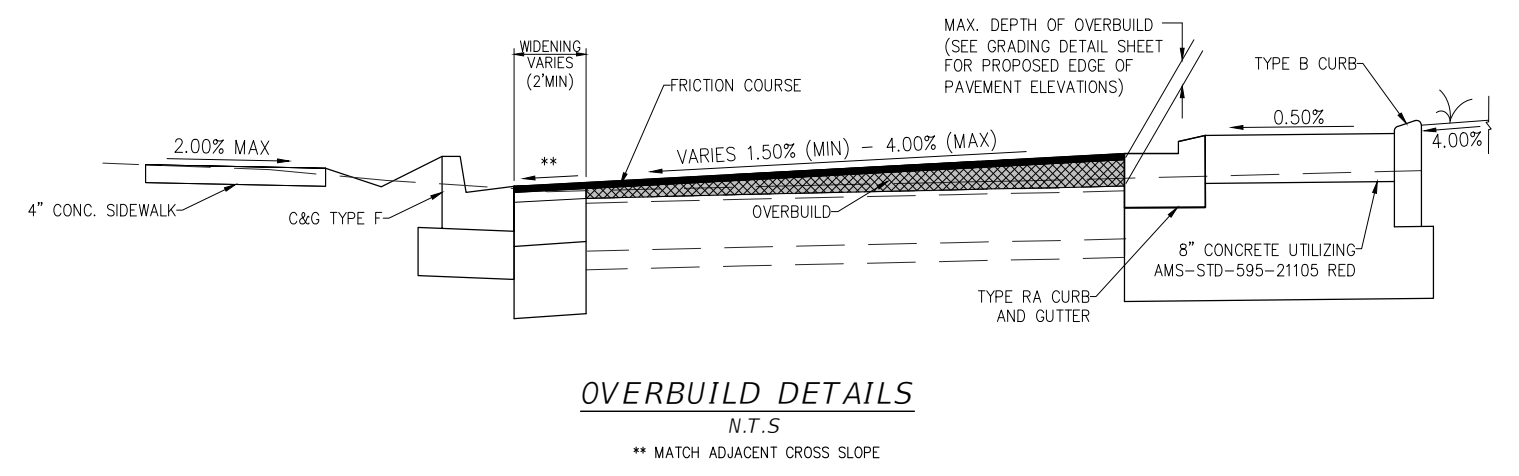
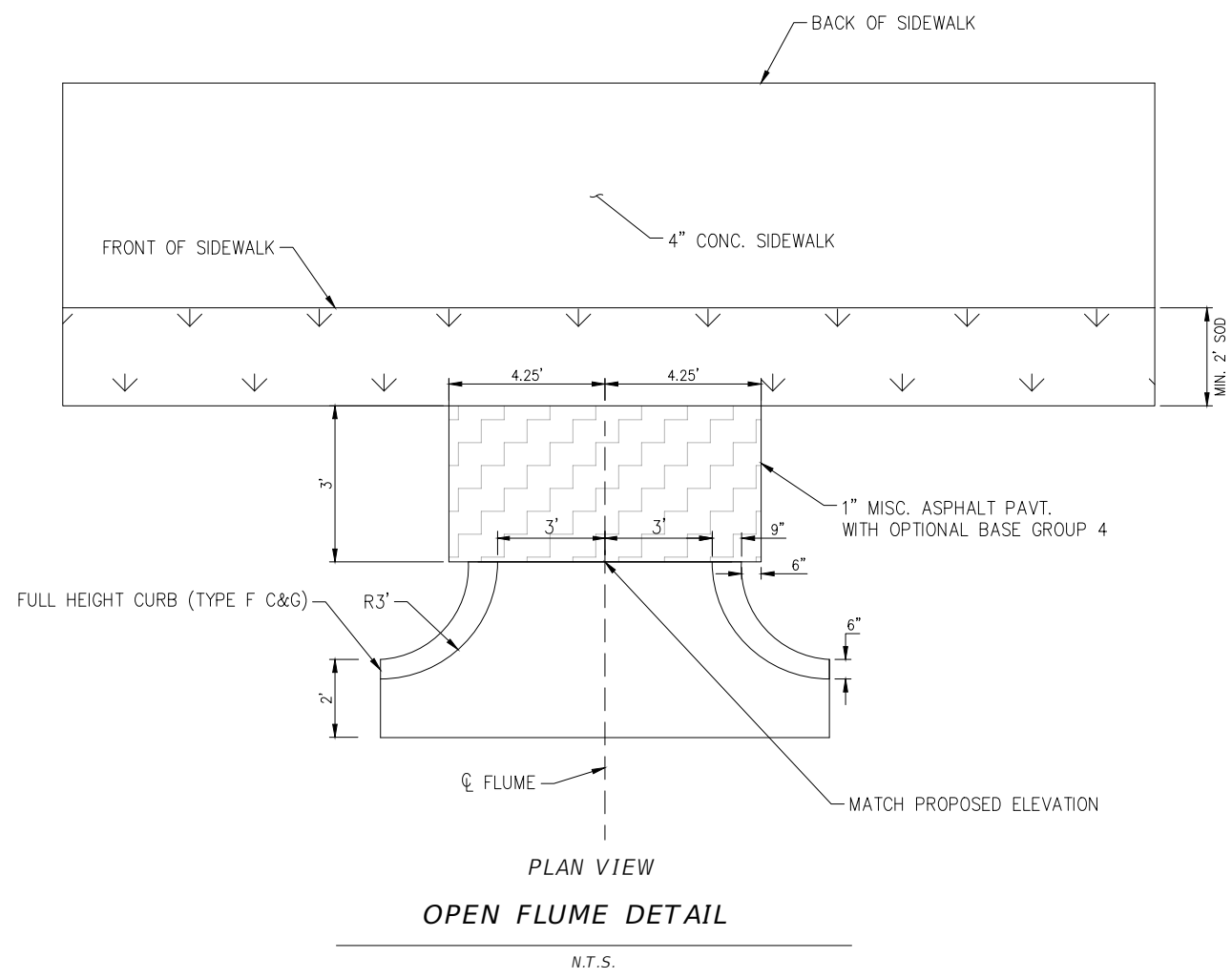
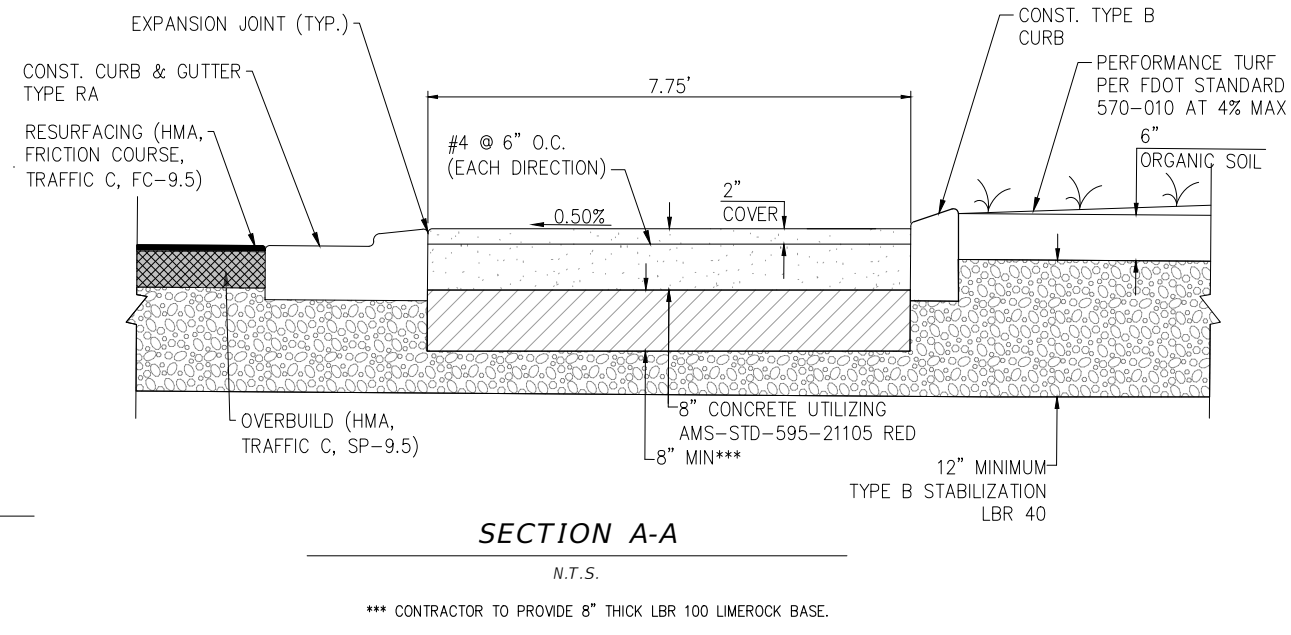
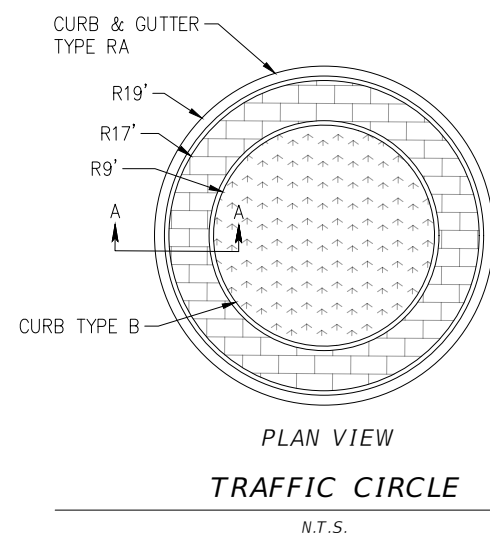
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DEPARTMENT OF TRANSPORTATION
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SPECIAL DETAILS



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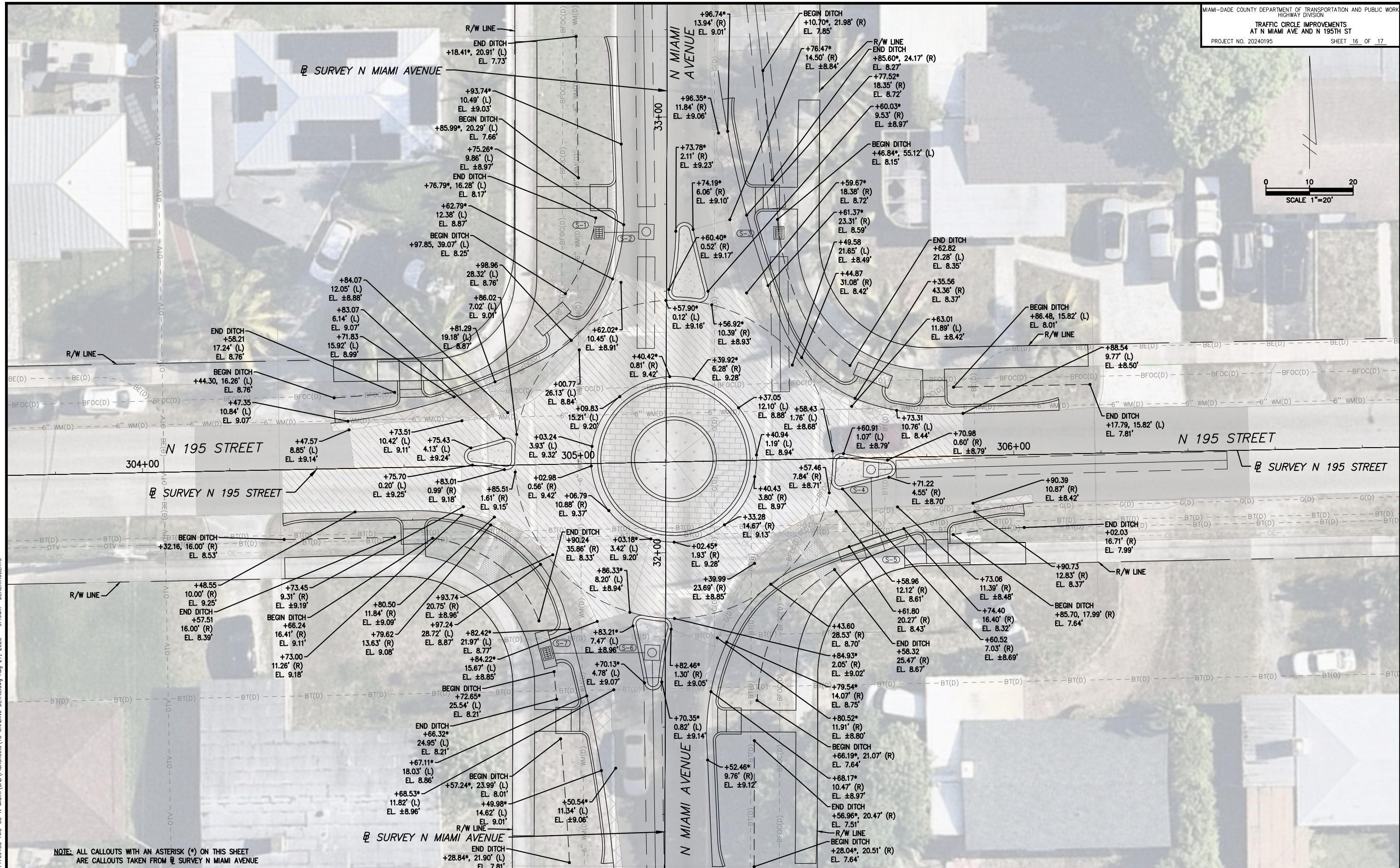
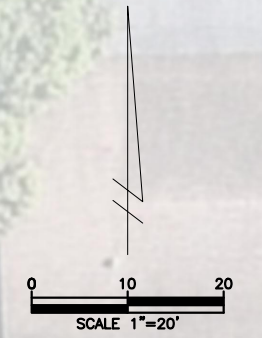
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SPECIAL DETAILS



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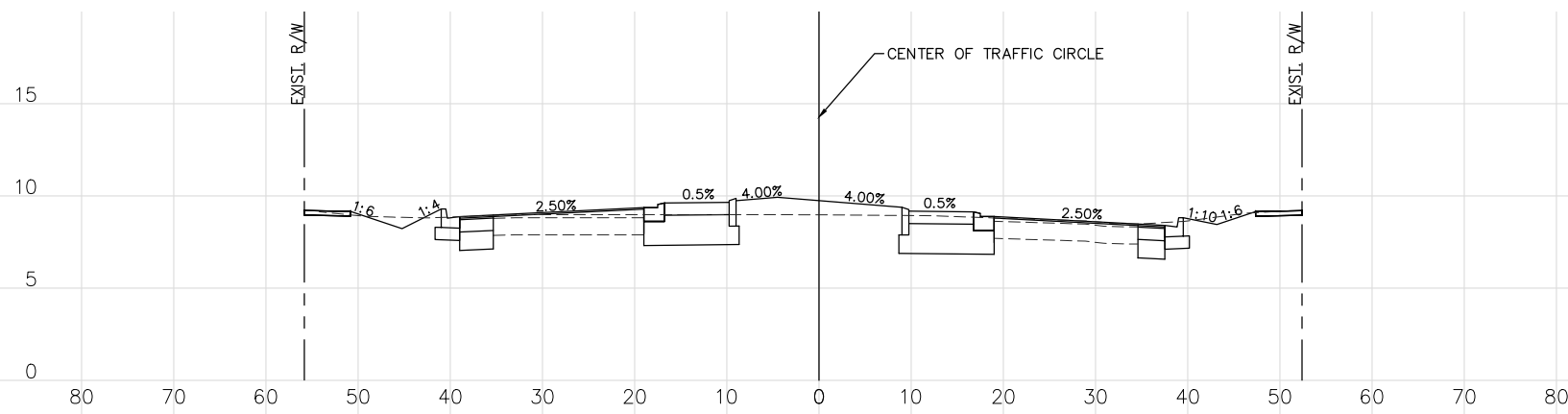
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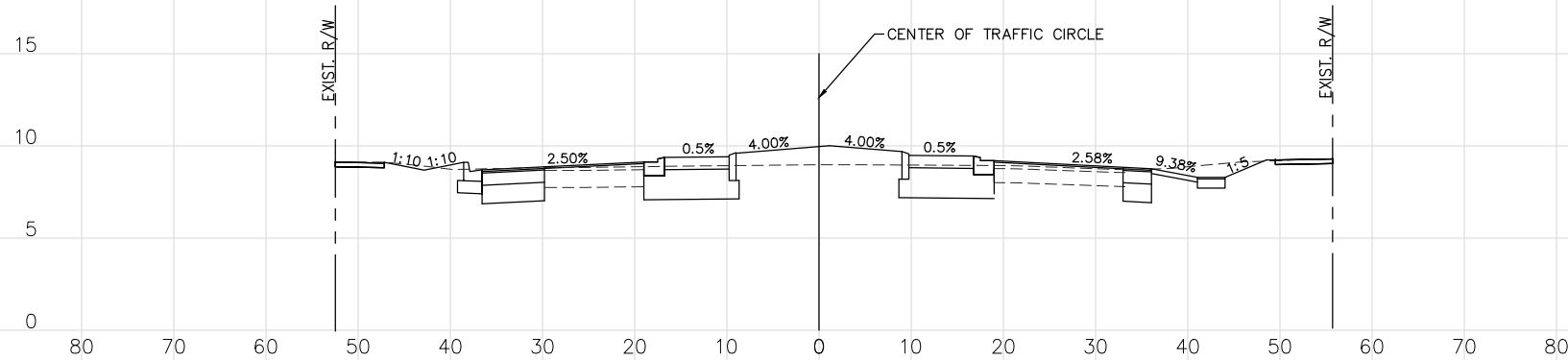
MIAMI-DADE COUNTY
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GRADING DETAIL

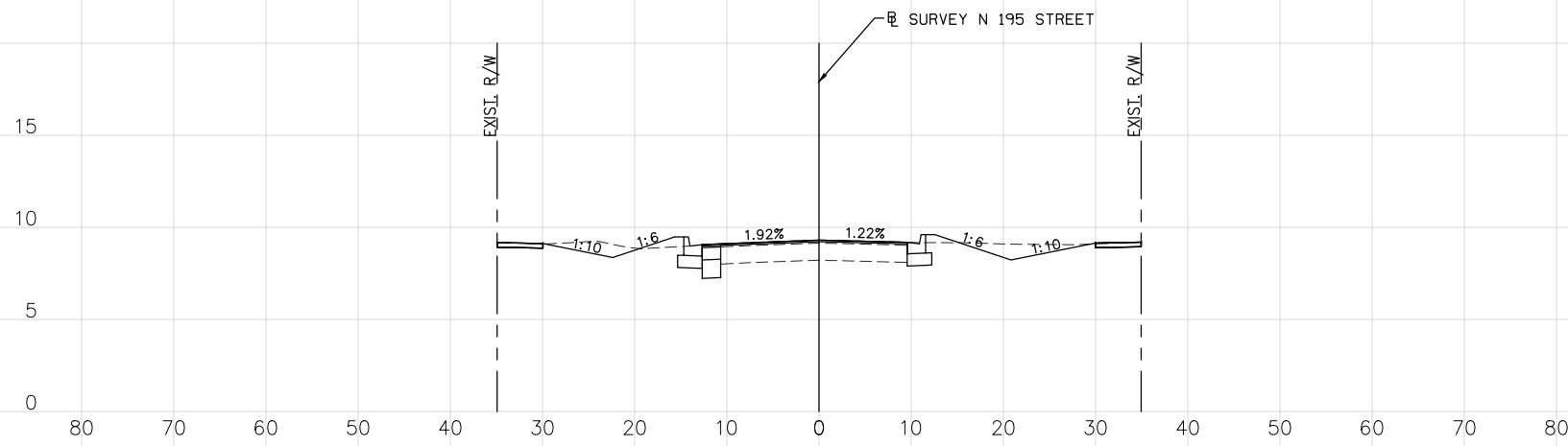
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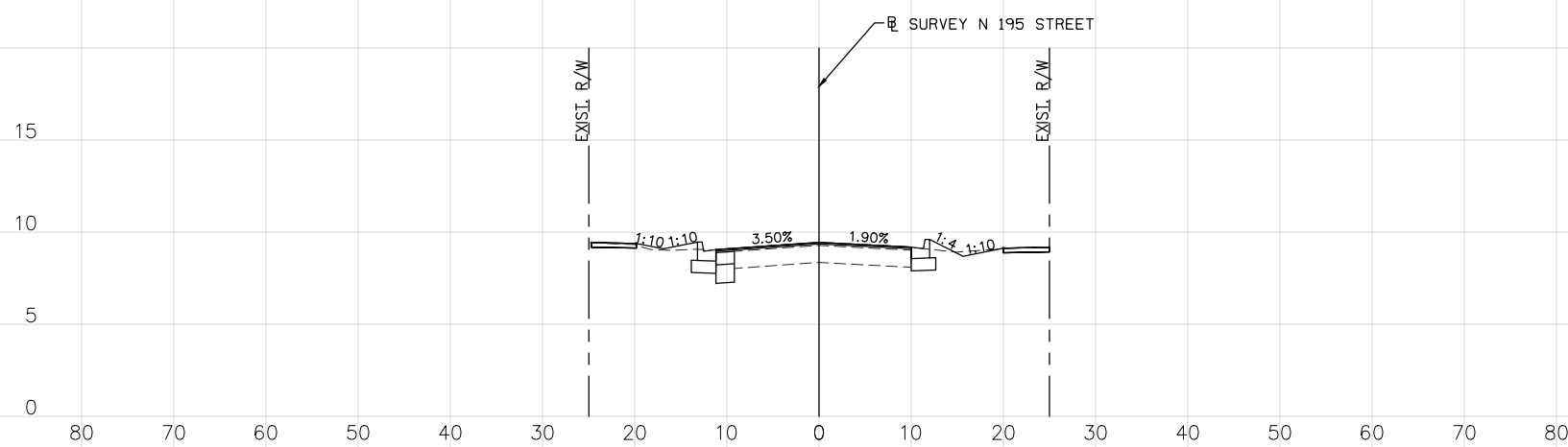
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 1" = 5' (VER.)



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



STATION 31+36.86
 SCALE: 1" = 10' (HOR.)
 1" = 5' (VER.)



STATION 304+50.24
 SCALE: 1" = 10' (HOR.)
 1" = 5' (VER.)

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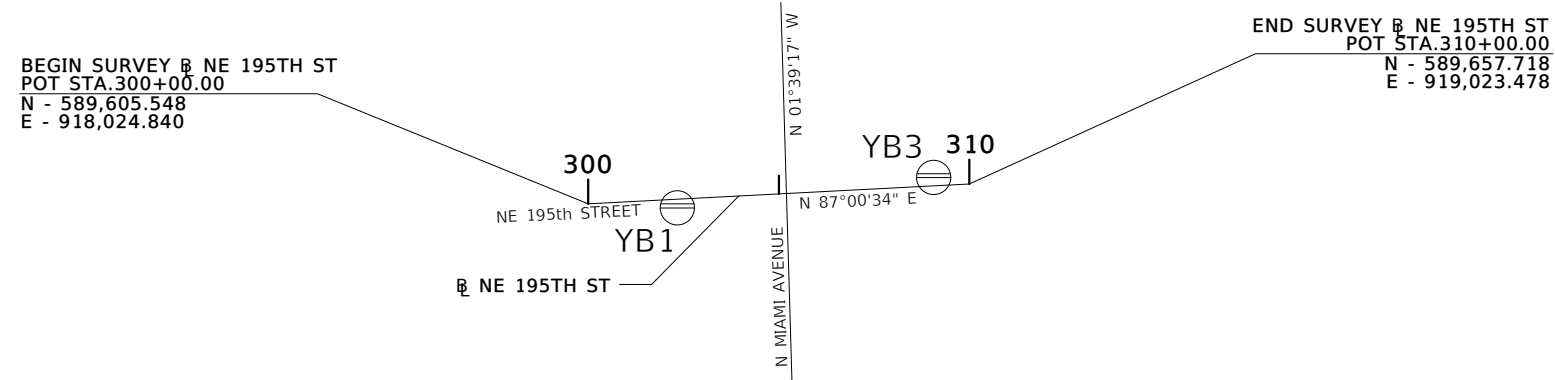
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CROSS SECTIONS

PROJECT CONTROL POINTS

TRAVERSING THRU SECTION 01 TOWNSHIP 52 SOUTH, RANGE 41 EAST



PROJECT CONTROL \mathbb{B} NE 195TH STREET									
POINT NAME	(Y) NORTHING	(X) EASTING	SCALE FACTOR	LATITUDE	LONGITUDE	BASELINE STATION	OFFSET	(Z) ELEVATION	DESCRIPTION
YB1	589594.799'	918258.468'	1.000019945	25°57'12.66383"	80°12'08.51246"	302+32.75	22.92' RT.	10.12'	SET PK NAIL AND WASHER ASPHALT STAMPED "MGV LB2439"
YB3	589673.842'	918930.521'	1.000020350	25°57'13.40606"	80°12'01.14472"	309+08.01	21.55' LT.	7.27'	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 83°17'31" E HAS BEEN ESTABLISHED BETWEEN MONUMENTS YB1 STAMPED "MGV LB2439" AND YB3 STAMPED "MGV LB2439".

THE PROJECT CONTROL POINTS WERE SET USING THE FOLLOWING F.P.R.N. CONTROL POINTS:
 NORTH DADE (FLND).

VERTICAL DATUM : NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD 29) 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.

BASELINE WERE PROVIDED BY THE CLIENT AND WERE NOT VERIFIED BY MGV.

PROJECT UNITS : US SURVEY FEET

FIELD BOOK REFERENCES : MGV# 1225

ELECTRONIC DATABASE : SURVRD01.dgn, MGV 24-622

DATE OF LAST FIELD WORK: AUGUST 23, 2024.

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

LEGEND	
\mathbb{B}	= BASELINE
E	= EASTING
FDOT	= FLORIDA DEPARTMENT OF TRANSPORTATION
LT.	= LEFT
N	= NORTHING
P.I.	= POINT OF INTERSECTION
POT	= POINT ON TANGENT
D	= DEGREE
Δ	= DELTA
T	= TANGENT
L	= ARC LENGTH
NO.	= NUMBER
N/A	= NOT APPLICABLE
R	= RADIUS
P.C.	= POINT OF CURVATURE
P.T.	= POINT OF TANGENCY
P.R.C.	= POINT OF REVERSE CURVATURE
P.C.C.	= POINT OF CONTINUOUS CURVATURE
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
\ominus	= PNC POINT

LIMITS: N. MIAMI AVE. AT N. 195TH 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.

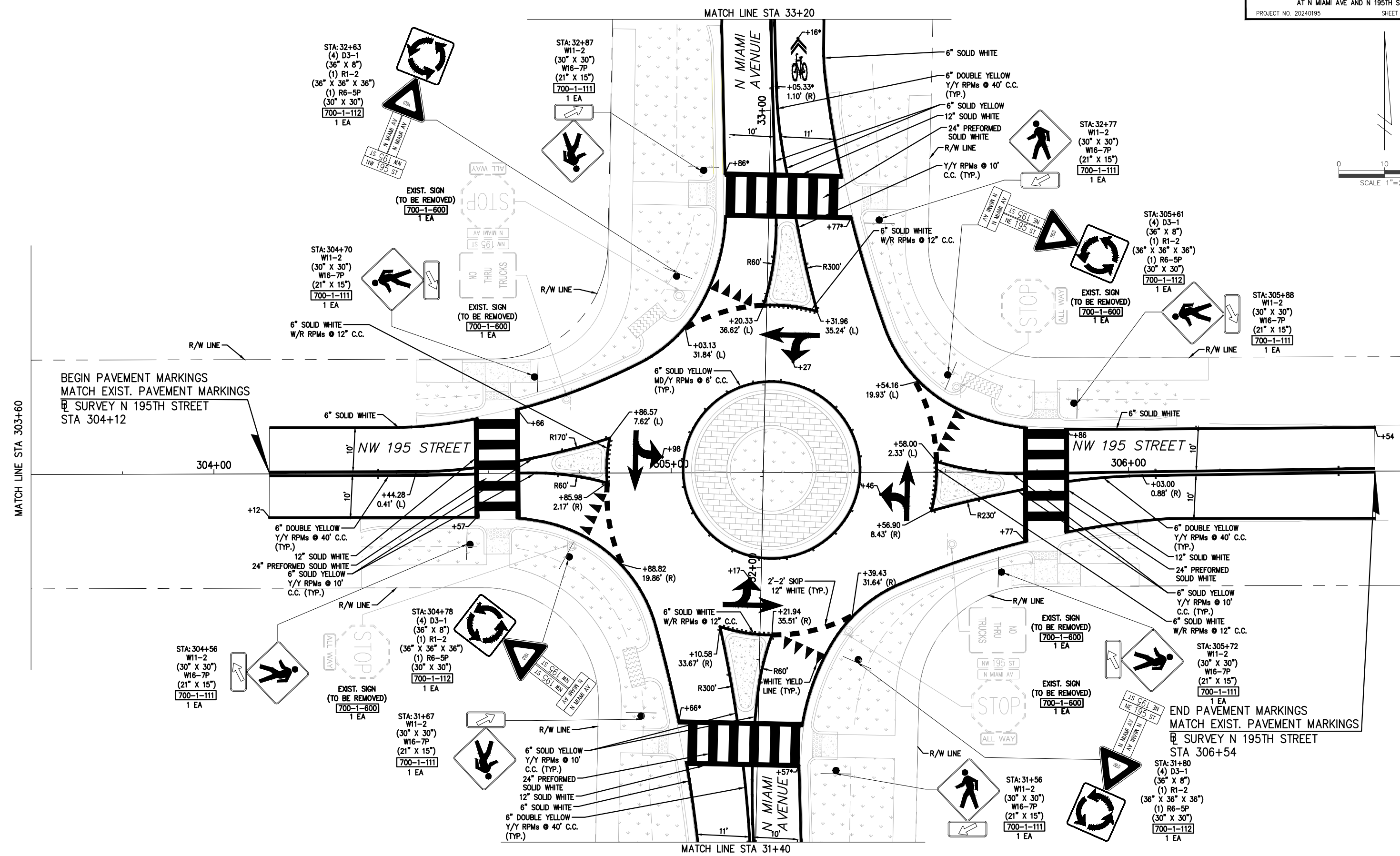
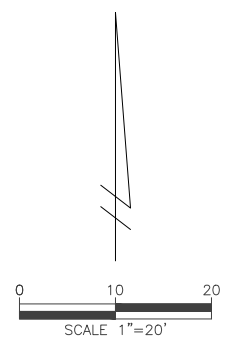
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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE

DEPARTMENT OF TRANSPORTATION
AND PUBLIC WORKS
HIGHWAY DIVISION

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



BEGIN PAVEMENT MARKINGS
MATCH EXIST. PAVEMENT MARKINGS
SURVEY N 195TH STREET
STA 304+12

END PAVEMENT MARKINGS
MATCH EXIST. PAVEMENT MARKINGS
SURVEY N 195TH STREET
STA 306+54

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

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

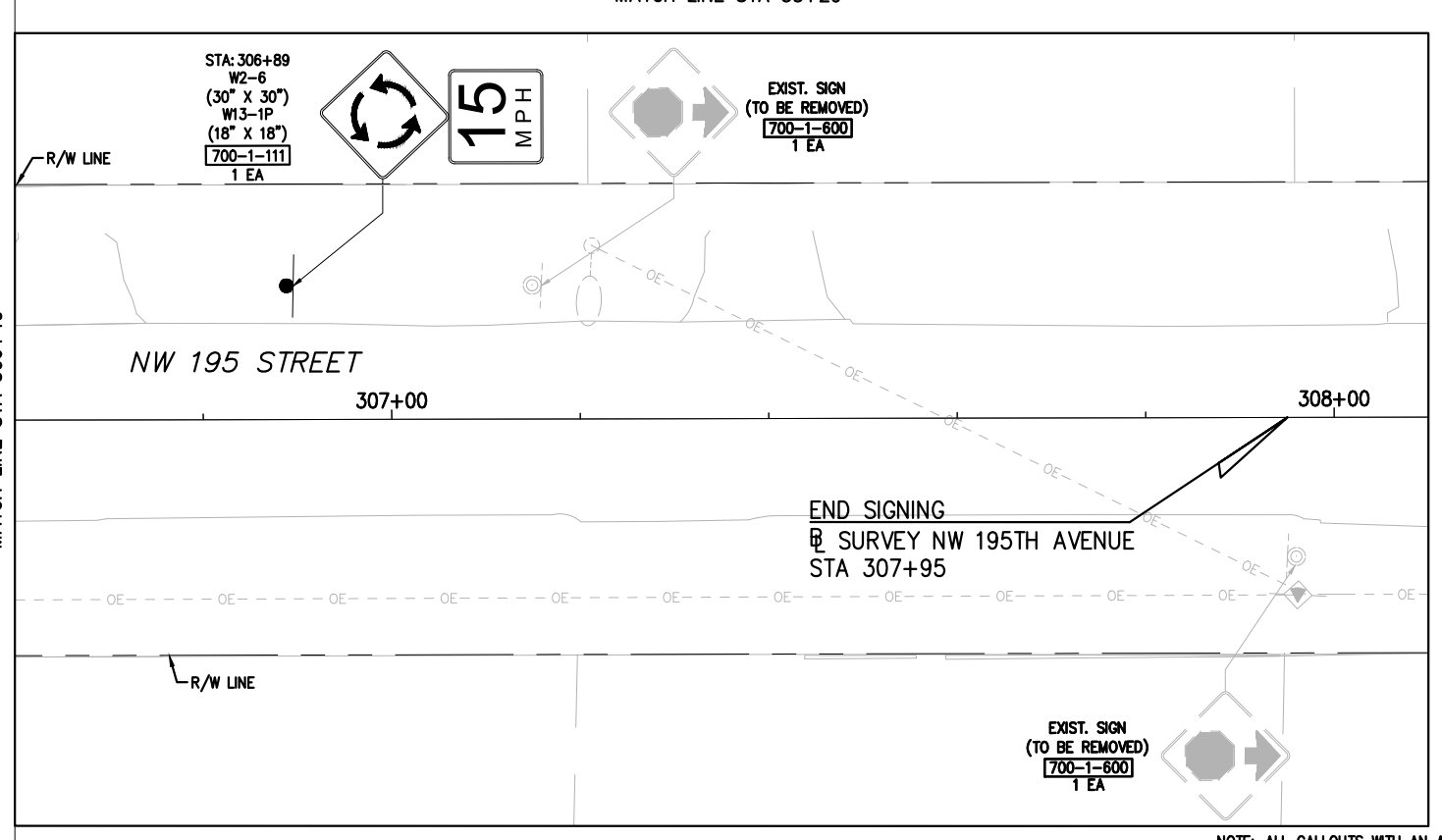
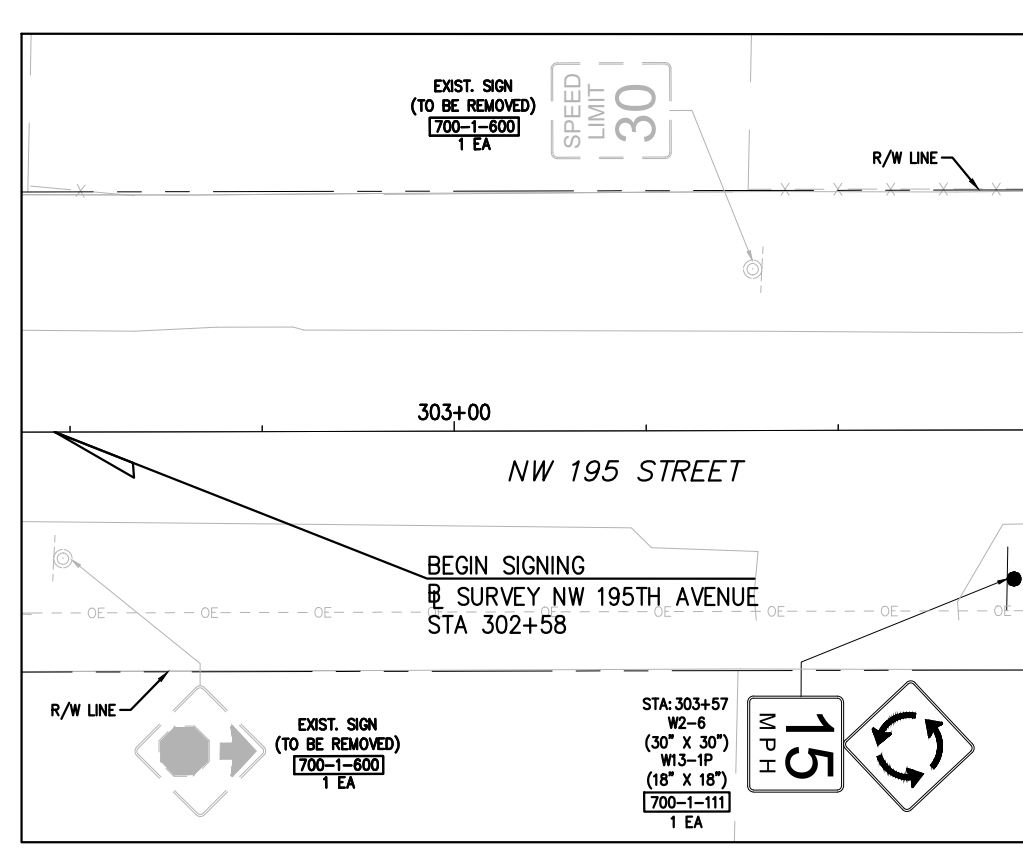
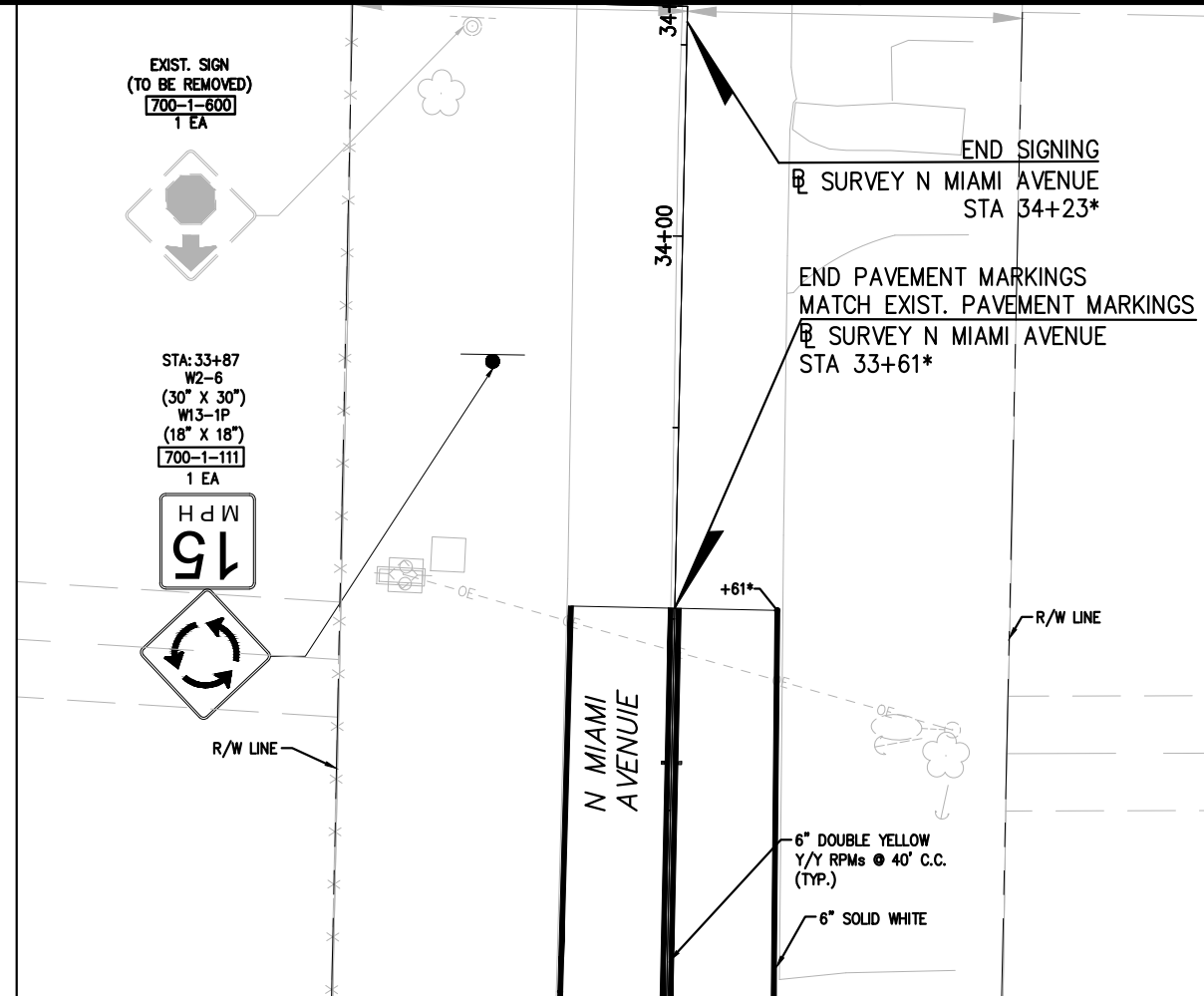
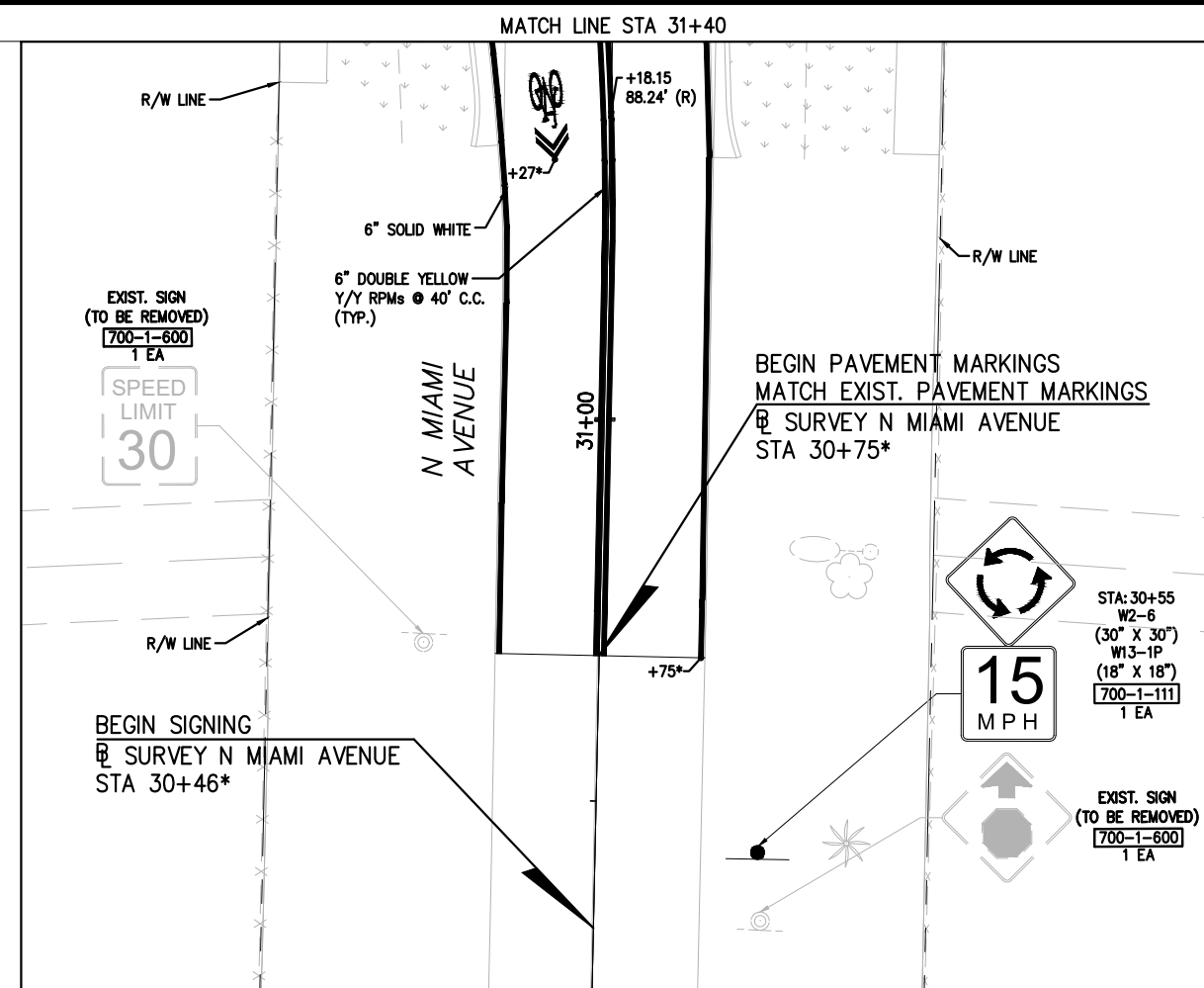
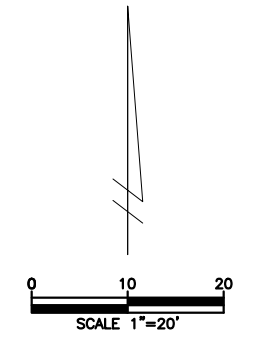
Kimley-Horn
2 ALHAMBRA PLAZA, SUITE 500,
CORAL GABLES, FL 33134
PHONE: 305-673-2025
WWW.KIMLEY-HORN.COM REGISTRY 696

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
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SUPERVISED BY					

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

SIGNING AND PAVEMENT MARKINGS

K:\MIB_Roadway\044769156 TMO-08-N Miami\CAD\PlanSheets\S-2 S-2 SPM (2).dwg Aug 27, 2025 - 9:49am DEREK ROBERTS



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

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Kimley-Horn
 2 ALHAMBRA PLAZA, SUITE 500,
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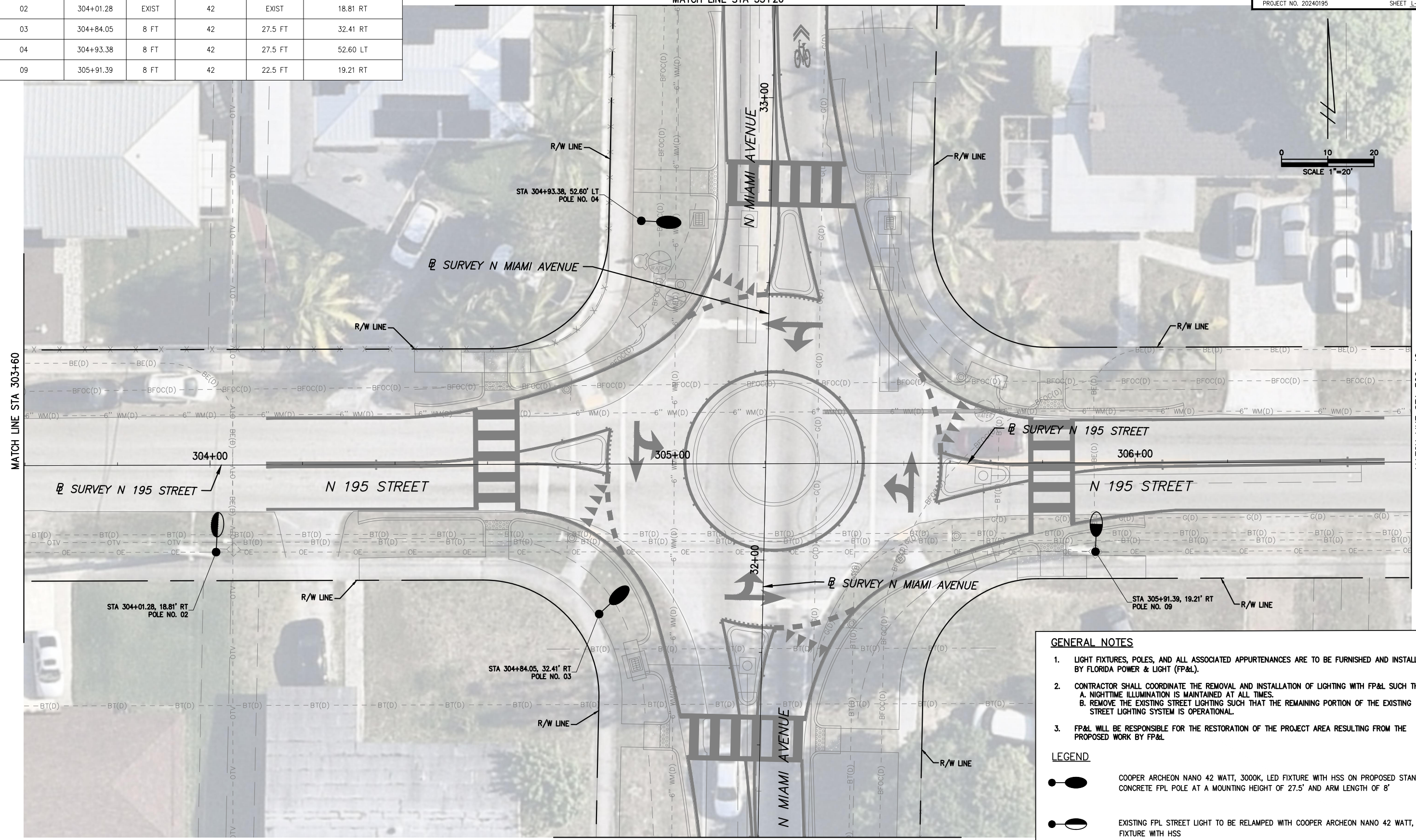
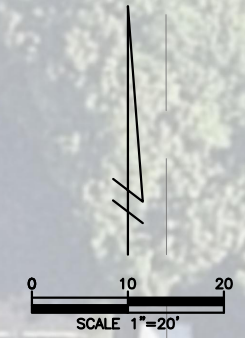
DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
 HIGHWAY DIVISION
MIAMI-DADE COUNTY
 STEPHEN P. CLARK, CENTER
 111 NW 1 ST
 MIAMI, FLORIDA 33128

SIGNING AND PAVEMENT MARKINGS

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POLE DATA					
POLE NUMBER	STATION	ARM	LUMINAIRE WATTAGE	M.H	POLE SETBACK AND NOTES
02	304+01.28	EXIST	42	EXIST	18.81 RT
03	304+84.05	8 FT	42	27.5 FT	32.41 RT
04	304+93.38	8 FT	42	27.5 FT	52.60 LT
09	305+91.39	8 FT	42	22.5 FT	19.21 RT

MATCH LINE STA 33+20



MATCH LINE STA 303+60




MATCH LINE STA 306+40

MATCH LINE STA 31+40

GENERAL NOTES

1. LIGHT FIXTURES, POLES, AND ALL ASSOCIATED APPURTENANCES ARE TO BE FURNISHED AND INSTALLED BY FLORIDA POWER & LIGHT (FP&L).
2. CONTRACTOR SHALL COORDINATE THE REMOVAL AND INSTALLATION OF LIGHTING WITH FP&L SUCH THAT:
 - A. NIGHTTIME ILLUMINATION IS MAINTAINED AT ALL TIMES.
 - B. REMOVE THE EXISTING STREET LIGHTING SUCH THAT THE REMAINING PORTION OF THE EXISTING STREET LIGHTING SYSTEM IS OPERATIONAL.
3. 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

Kimley-Horn
 2 ALHAMBRA PLAZA, SUITE 500,
 CORAL GABLES, FL 33134
 PHONE: 305-673-2025
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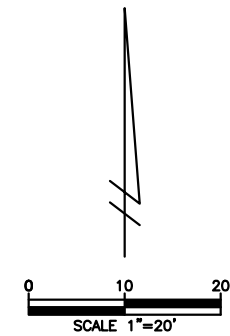
DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
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SUPERVISED BY					

MIAMI-DADE COUNTY
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 HIGHWAY DIVISION
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 MIAMI, FLORIDA 33128

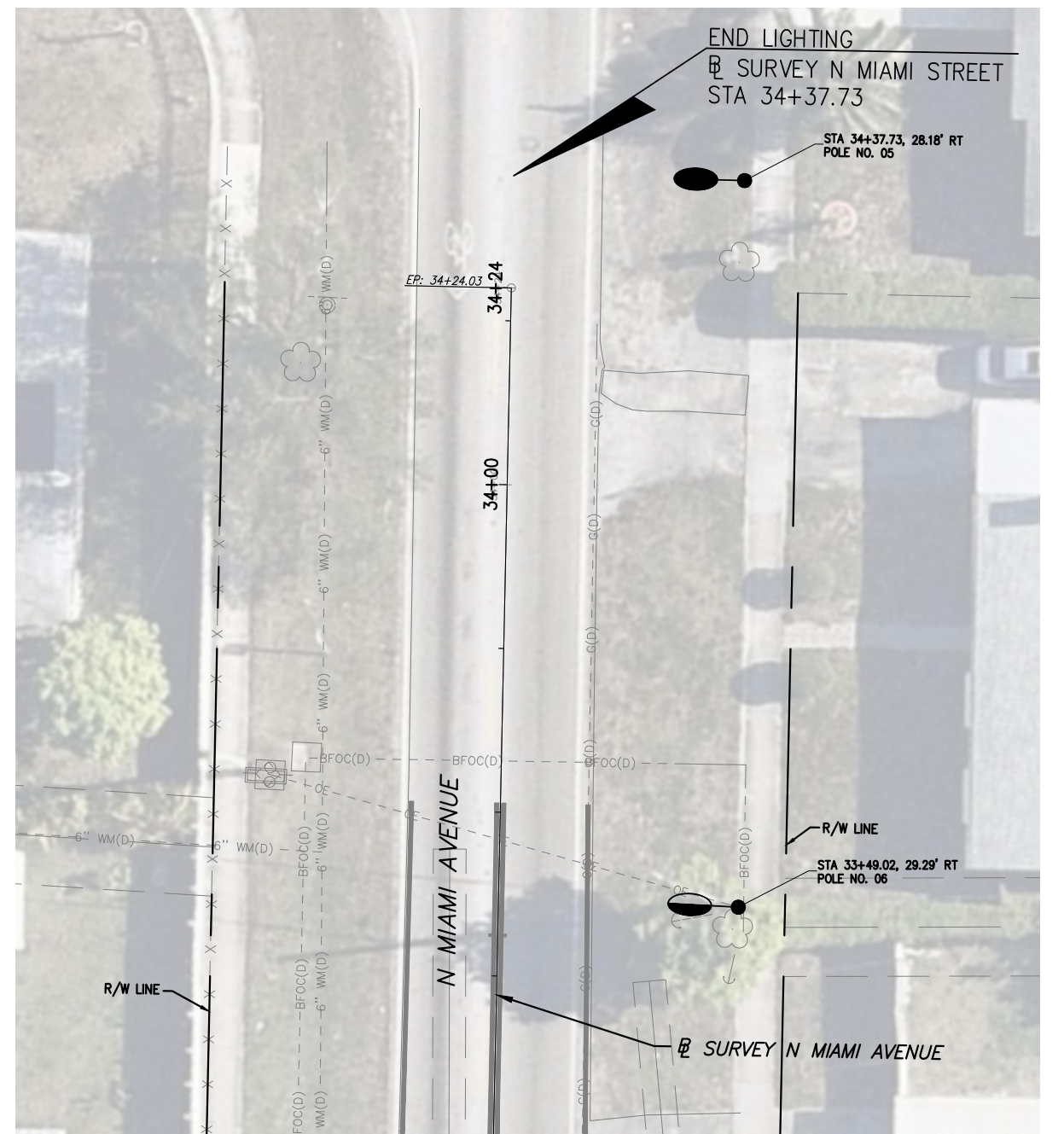
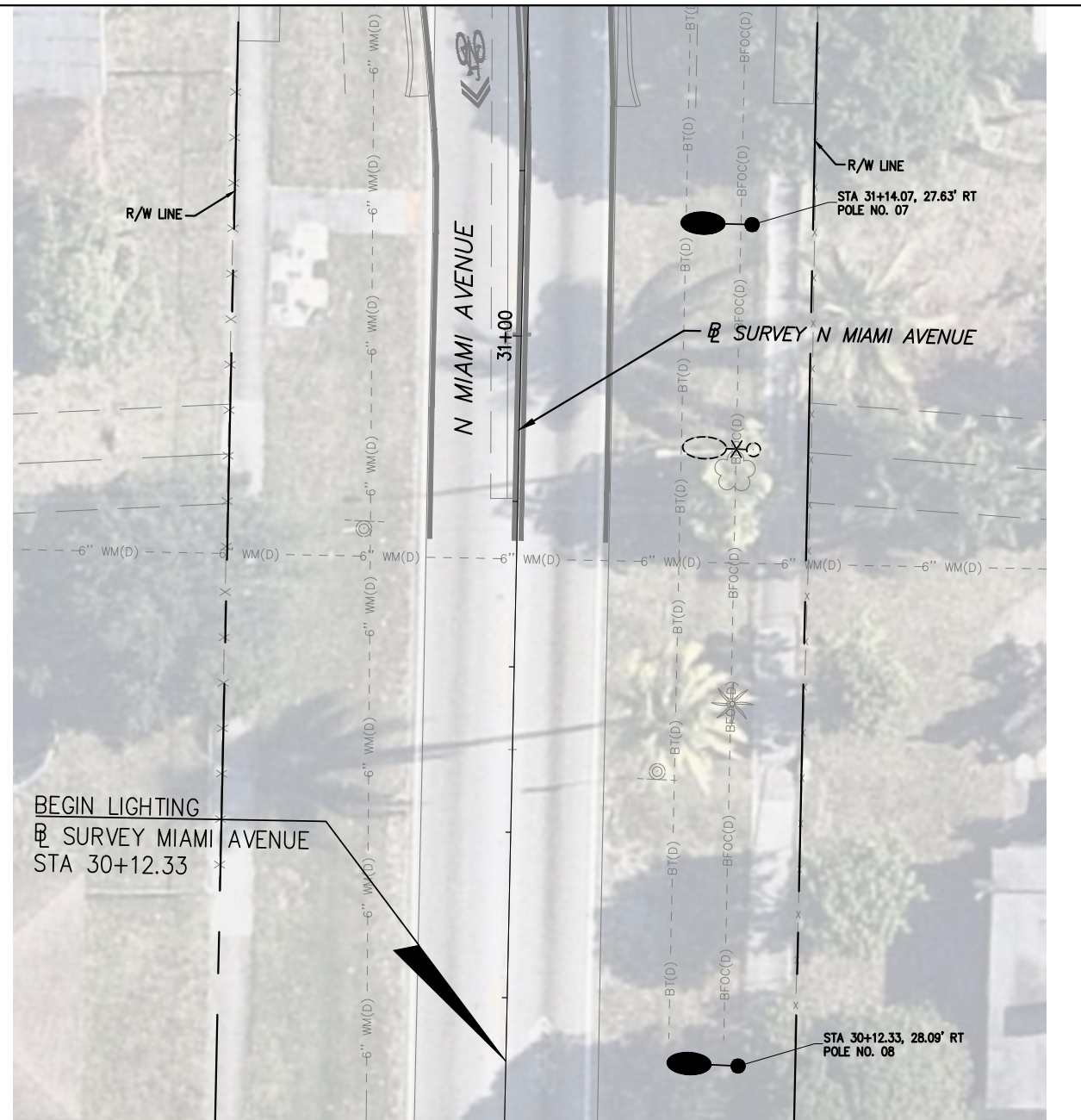
LIGHTING PLANS

K:\WB_Roadway\044769156 TMO-06-N Miami\CAD\PlanSheets\L-3 L-2 LIGHTING PLANS (2).dwg Aug 27, 2025 - 9:50am DEREK ROBERTS

POLE DATA					
POLE NUMBER	STATION	ARM	LUMINAIRE WATTAGE	M.H	POLE SETBACK AND NOTES
05	34+37.73	8 FT	42	27.5 FT	28.18 RT
06	33+49.02	EXIST	42	EXIST	29.29 RT
07	31+14.07	8 FT	42	27.5 FT	27.63 RT
08	30+12.33	8 FT	42	27.5 FT	28.09 RT



MATCH LINE STA 31+40



MATCH LINE STA 33+20

1. LIGHT FIXTURES, POLES, AND ALL ASSOCIATED APPURTENANCES ARE TO BE FURNISHED AND INSTALLED BY FLORIDA POWER & LIGHT (FP&L).
2. CONTRACTOR SHALL COORDINATE THE REMOVAL AND INSTALLATION OF LIGHTING WITH FP&L SUCH THAT:
 - A. NIGHTTIME ILLUMINATION IS MAINTAINED AT ALL TIMES.
 - B. REMOVE THE EXISTING STREET LIGHTING SUCH THAT THE REMAINING PORTION OF THE EXISTING STREET LIGHTING SYSTEM IS OPERATIONAL.
3. 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
- EXISTING STREET LIGHT TO BE REMOVED BY FP&L

K:\WB_Roadway\044769156 TMO-06-N Miami\CAD\PlanSheets\L-3 L-2 LIGHTING PLANS (2).dwg Aug 27, 2025 - 9:50am DEREK ROBERTS

REVISIONS								
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

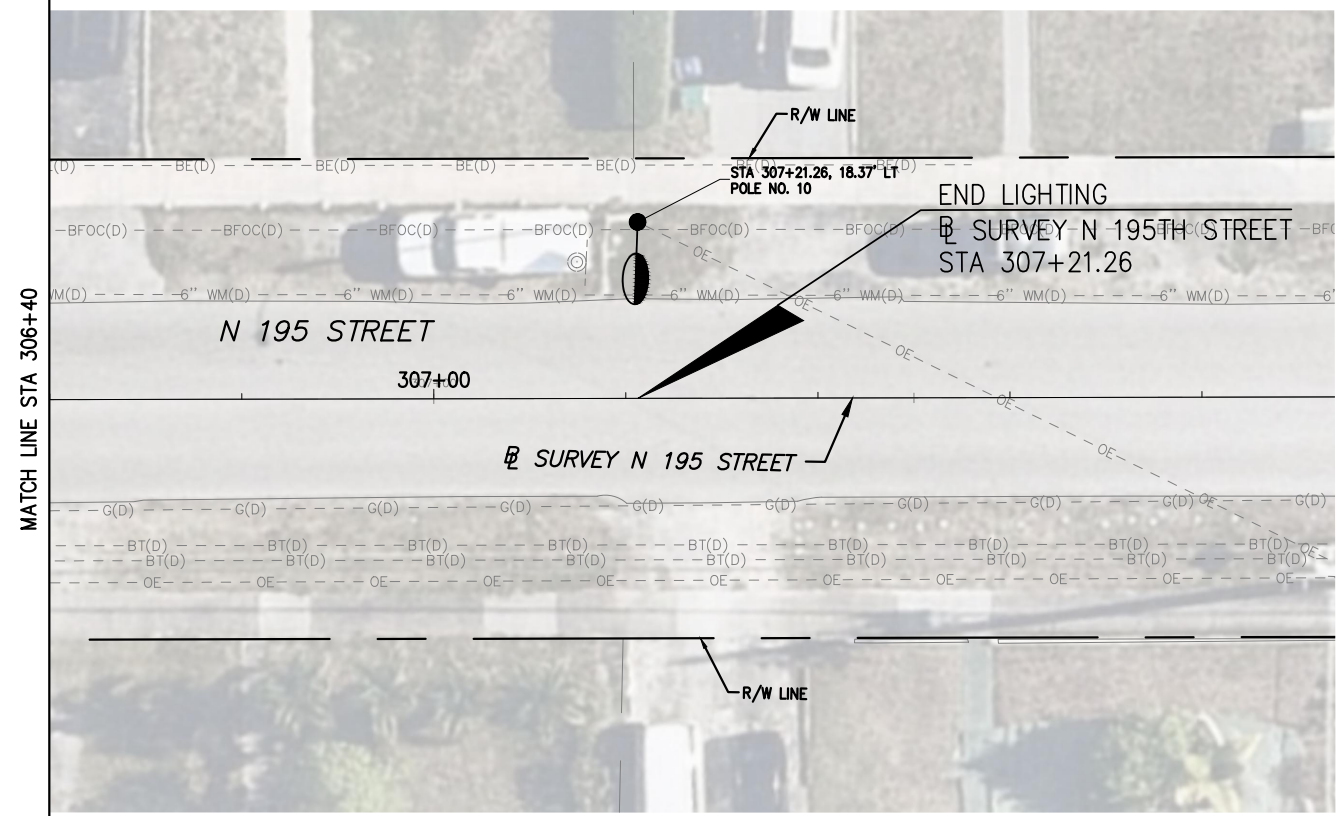
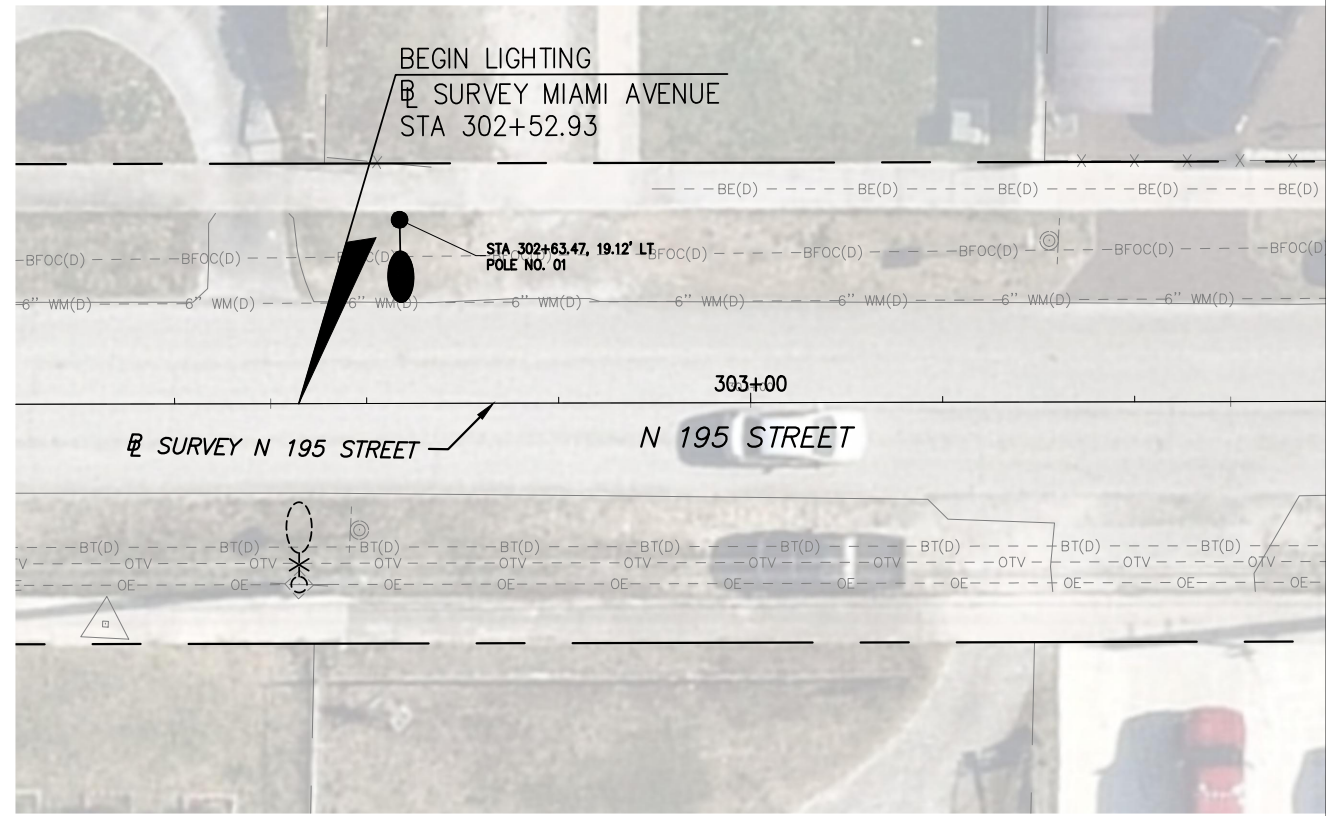
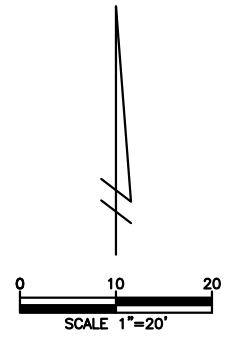
Kimley-Horn
2 ALHAMBRA PLAZA, SUITE 500,
CORAL GABLES, FL 33134
PHONE: 305-673-2025
WWW.KIMLEY-HORN.COM REGISTRY 696

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SUPERVISED BY:					

DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
HIGHWAY DIVISION
MIAMI-DADE COUNTY
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
01	302+63.47	8 FT	42	27.5 FT	19.12 LT
10	307+21.26	EXIST	42	EXIST	18.37 LT



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- 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
 - EXISTING STREET LIGHT TO BE REMOVED BY FP&L

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LIGHTING PLANS