

CONTRACT PLANS COMPONENTS

ROADWAY PLANS
SIGNING AND PAVEMENT MARKING PLANS
LIGHTING PLANS (FOR INFORMATION ONLY)
STRUCTURE PLANS

MIAMI-DADE COUNTY
DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS

PLANS FOR PROPOSED BRIDGE REPLACEMENT
NE 10TH AVENUE BRIDGE 874178 REPLACEMENT
OVER THE ADEMAR CANAL (BRIDGE NO. 874185)
FROM NE 83RD STREET TO NE 84TH STREET

FUNDS: MOBILITY IMPACT FEE (M.I.F.)
MIAMI-DADE COUNTY DTPW PROJECT NO. EDP-MT-20190196

INDEX OF ROADWAY PLANS

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| 3 | SUMMARY OF PAY ITEMS |
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| 5 - 6 | TYPICAL SECTIONS |
| 7 | SUMMARY OF DRAINAGE STRUCTURES |
| 8 | OPTIONAL MATERIALS TABULATION |
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| UTV-1* | VERIFIED UTILITY LOCATE SHEET |

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

MIAMI-DADE STANDARD DETAILS

| | |
|------|----------------------------------|
| MD-1 | INLET PROTECTION SYSTEMS DETAILS |
| MD-2 | SEDIMENT BARRIERS DETAIL |

GOVERNING STANDARD PLANS:

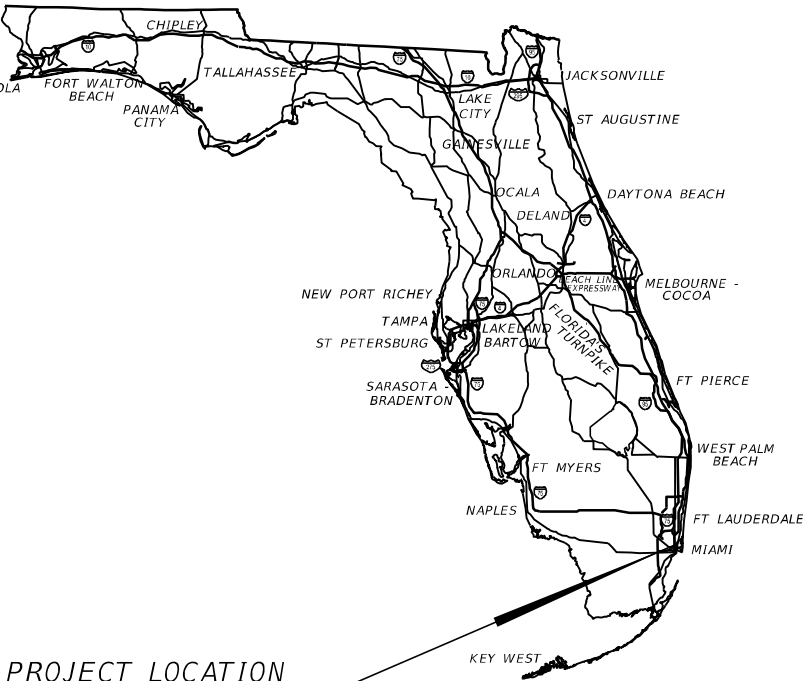
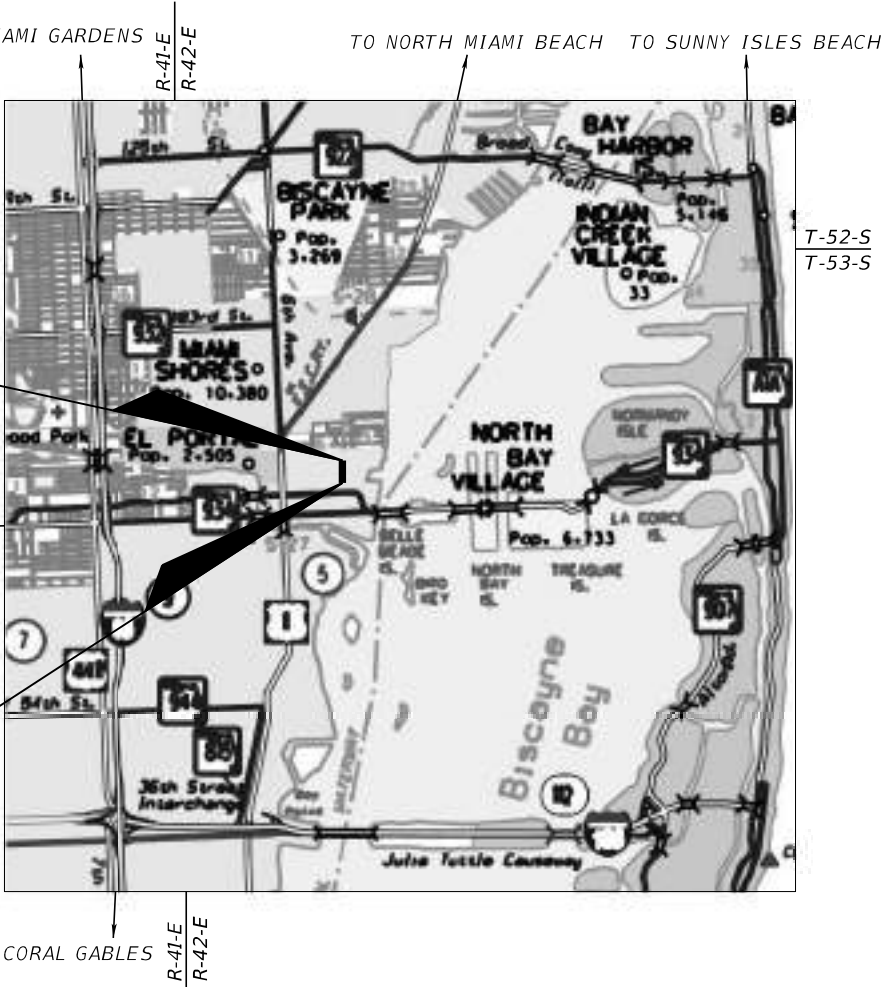
Florida Department of Transportation, FY 2025-26 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

Standard Plans for Road Construction and associated IRs are available at the following website: <http://www.fdot.gov/design/standardplans>

Standard Plans for Bridge Construction are included in the Structures Plans Component

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, FY 2025-26 Standard Specifications for Road and Bridge Construction at the following website: <http://www.fdot.gov/programmanagement/Implemented/SpecBooks> as amended by the Miami-Dade County Construction Specifications



PROJECT LOCATION
<https://goo.gl/maps/iLpAWRNRXi81vGbv6>

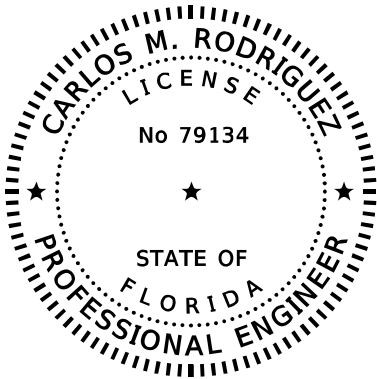
ROADWAY PLANS
ENGINEER OF RECORD:

CARLOS M. RODRIGUEZ, P.E.
P.E. LICENSE NUMBER 79134
ASA CONSULTANTS, INC.
510 SHOTGUN ROAD, SUITE 402
SUNRISE, FL 33326
754-216-2027
CONTRACT NO.: EDP-PSA-2017 R
VENDOR NO.: F465512620

MIAMI-DADE COUNTY
PROJECT MANAGER:

JACQUELINE ALCINA, P.E.

| FISCAL YEAR | SHEET NO. |
|-------------|-----------|
| 26 | 1 |



THIS ITEM HAS BEEN DIGITALLY
SIGNED AND SEALED BY:

Carlos Rodriguez Date: 2025.02.04
13:29:10-05'00'

ON THE DATE ADJACENT TO THE SEAL

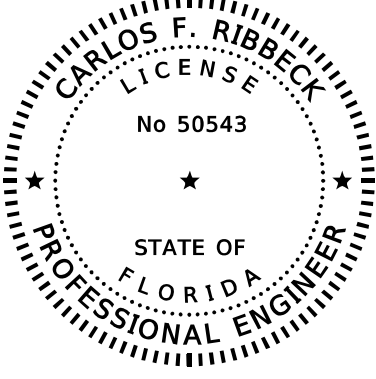
PRINTED COPIES OF THIS DOCUMENT ARE
NOT CONSIDERED SIGNED AND SEALED.
THE SIGNATURE MUST BE VERIFIED
IN THE ELECTRONIC COPIES..

ASA CONSULTANTS, INC.
8935 NW 35th LANE, SUITE 200
DORAL, FL 33172
CARLOS M. RODRIGUEZ, P.E. NO. 79134

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

ROADWAY PLANS

| <u>SHEET NO.</u> | <u>SHEET DESCRIPTION</u> |
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| 38 | TREE PRESERVATION DETAILS |
| 39 | PAVER DRIVEWAY DETAILS |
| SQ-1 - SQ-9 | SUMMARY OF QUANTITIES |



THIS ITEM HAS BEEN DIGITALLY
SIGNED AND SEALED BY:

Carlos F Ribbeck Digitally signed by Carlos F
Ribbeck Date: 2025.02.04 10:10:01
-05'00'

ON THE DATE ADJACENT TO THE SEAL

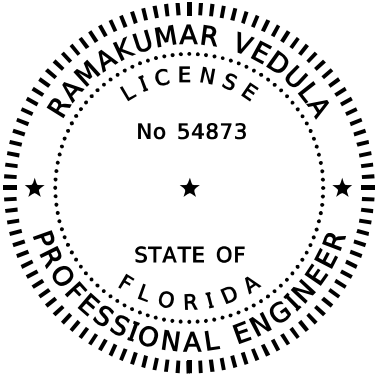
PRINTED COPIES OF THIS DOCUMENT ARE
NOT CONSIDERED SIGNED AND SEALED.
THE SIGNATURE MUST BE VERIFIED
IN THE ELECTRONIC DOCUMENTS.

RIBBECK ENGINEERING, INC.
14335 SW 120TH STREET, SUITE 205
MIAMI, FLORIDA 33186
CARLOS F. RIBBECK, PE. NO. 50543

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE
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ROADWAY PLANS

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| 14 | DRAINAGE PLAN-PROFILES |
| 15 - 18 | DRAINAGE STRUCTURES |
| 31 - 32 | STORMWATER POLLUTION PREVENTION PLAN |



THIS ITEM HAS BEEN DIGITALLY
SIGNED AND SEALED BY:

Ramakumar V Vedula
2025.02.04 13:22:38 -05'00'

ON THE DATE ADJACENT TO THE SEAL

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

TIERRA SOUTH FLORIDA, INC.
2765 VISTA PARKWAY, SUITE 10
WEST PALM BEACH, FLORIDA 33411
RAMAKUMAR VEDULA, PE. NO. 54873

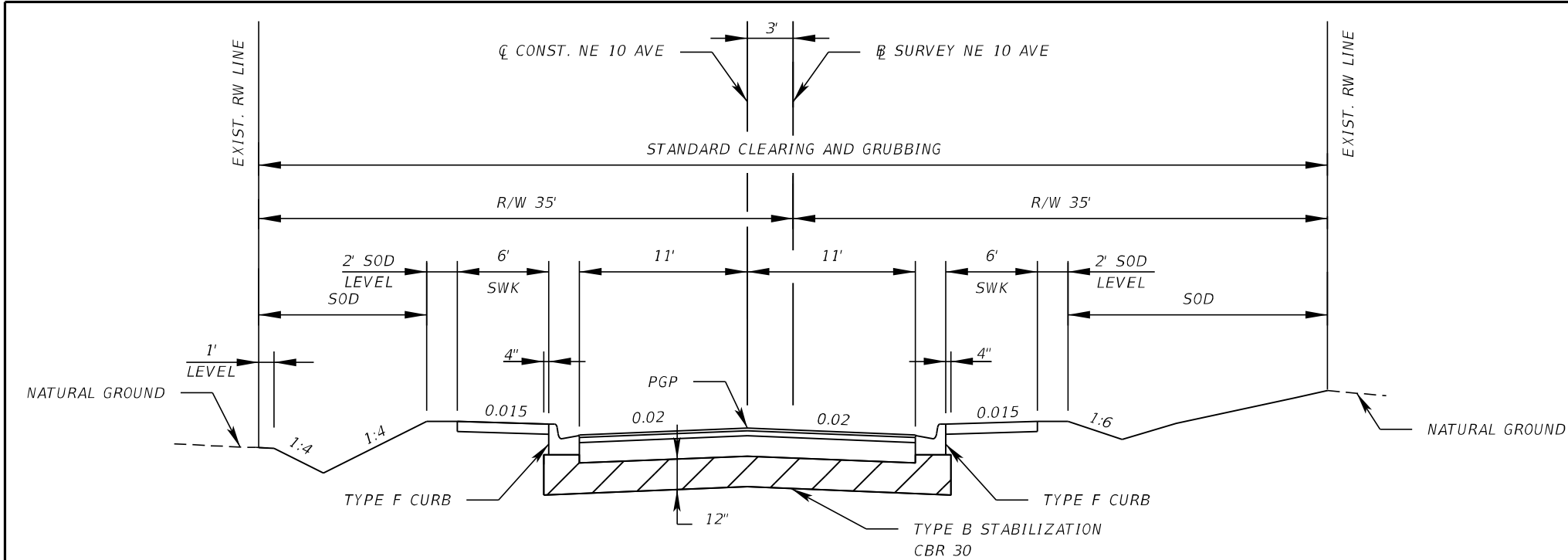
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FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

ROADWAY PLANS

| <u>SHEET NO.</u> | <u>SHEET DESCRIPTION</u> |
|------------------|--------------------------|
| 2 | SIGNATURE SHEET |
| 21 | ROADWAY SOIL SURVEY |
| 22 | SOIL PROFILES |

| REVISIONS | | | | ASA CONSULTANTS, INC. 8935 NW 35th LANE, SUITE 200 DORAL, FL 33172 (754) 216-2027 CARLOS M. RODRIGUEZ, PE; LIC. NO. 79134 | MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT | | | SIGNATURE SHEET | SHEET NO. |
|-----------|-------------|------|-------------|---|--|------------|-----------------|-----------------|--------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | PROJECT NUMBER | | |
| | | | | | NE 10 AVE | MIAMI-DADE | EDP-MT-20190196 | | 2 |

| | | | | |
|---|---|--------------------|-----------------|----------------|
| 2/3/2025 10:41:16 AM | | | | |
| MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PROPOSAL SUMMARY OF PAY ITEMS FOR PROPOSAL: EDP-MT-20190196 | | | | |
| LEAD PROJECT: EDP-MT-20190196 | | CITY: MIAMI | | |
| PROJECT(S): EDP-MT-20190196 | | COUNTY: MIAMI-DADE | | |
| | | | | |
| ITEM NUMBER | ITEM DESCRIPTION | UNIT | EDP-MT-20190196 | QUANTITY TOTAL |
| 0110- 3 | REMOVAL OF EXISTING STRUCTURES/BRIDGES | (LS) | 1.000 | 1.000 |
| 0400- 2- 10 | CONCRETE CLASS II, APPROACH SLABS | CY | 72.400 | 72.400 |
| 0400- 4- 5 | CONCRETE CLASS IV, BRIDGE SUPERSTRUCTURE | CY | 63.900 | 63.900 |
| 0400- 4- 47 | CONCRETE CLASS IV, CAST IN PLACE TOPPING WITH SHRINKAGE REDUCING ADMIXTURE | CY | 65.400 | 65.400 |
| 0400- 7 -1 | BRIDGE DECK GROOVING | SY | 136.000 | 136.000 |
| 0400- 148 | PLAIN NEOPRENE BEARING PADS | CF | 4.600 | 4.600 |
| 0415- 1- 4 | REINFORCING STEEL- BRIDGE SUPERSTRUCTURE | LB | 9711.000 | 9711.000 |
| 0415- 1- 9 | REINFORCING STEEL- APPROACH SLABS | LB | 13130.000 | 13130.000 |
| 0415- 2- 4 | STAINLESS REINFORCING STEEL- SUPERSTRUCTURE | LB | 3282.000 | 3282.000 |
| 0415- 2- 5 | REINFORCING STEEL- BRIDGE SUBSTRUCTURE | LB | 6565.000 | 6565.000 |
| 0450- 8- 24 | PRESTRESSED BEAM: FLORIDA SLAB BEAM, BEAM DEPTH 15" CARBON STEEL, WIDTH 58-60" | LF | 350.000 | 350.000 |
| 0455- 113- 24 | AUGER CAST PILE FOR BRIDGES, 24" DIAMETER | LF | 693.000 | 693.000 |
| 0458- 1- 11 | BRIDGE DECK EXPANSION JOINT, NEW CONSTRUCTION, F&I POURED JOINT WITH BACKER ROD | LF | 389.000 | 389.000 |
| 0515- 4- 1 | BULLET RAIL, SINGLE RAIL | LF | 170.000 | 170.000 |
| 0521- 5- 4 | CONCRETE TRAFFIC RAILING, BRIDGE, 32" VERTICAL FACE | LF | 170.000 | 170.000 |
| 2/3/2025 10:41:16 AM | | | | |
| MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PROPOSAL SUMMARY OF PAY ITEMS FOR PROPOSAL: EDP-MT-20190196 | | | | |
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| | | | | |
| ITEM NUMBER | ITEM DESCRIPTION | UNIT | EDP-MT-20190196 | QUANTITY TOTAL |
| 0101- 1-A | MOBILIZATION (EDP-MT-20190196) | LS | 1.000 | 1.000 |
| 0102- 1A | MAINTENANCE OF TRAFFIC (EDP-MT-20190196) | (LS) | 1.000 | 1.000 |
| 0102-10A | OFF-DUTY LAW ENFORCEMENT OFFICER | (LS) | 1.000 | 1.000 |
| 0102- 60A | WORK ZONE SIGN | ED | 30044.000 | 30044.000 |
| 0102- 74- 1 | BARRICADES (TEMPORARY- TYPE I, II, VP & DRUMS) | ED | 5138.000 | 5138.000 |
| 0102- 74- 2 | BARRICADES (TEMPORARY, TYPE III, 6') | ED | 2702.000 | 2702.000 |
| 0102- 91 | PAVEMENT MARKING, TEMPORARY (YELLOW OR WHITE) (TAPE OR PAINT) (SKIP) (ANY WIDTH) | LF | 64.000 | 64.000 |
| 0102- 91- 1 | PAVEMENT MARKING, TEMPORARY (YELLOW OR WHITE) (TAPE OR PAINT) (SOLID) (ANY WIDTH) | LF | 2370.000 | 2370.000 |
| 0102- 99A | PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY | ED | 868.000 | 868.000 |
| 0104- 10 3 | SEDIMENT BARRIER | LF | 803.000 | 803.000 |
| 0104- 11A | FLOATING TURBIDITY BARRIER | LF | 55.000 | 55.000 |
| 0104- 18 | INLET PROTECTION SYSTEM | EA | 4.000 | 4.000 |
| 0108- 1 | INSPECTION & SETTLEMENT MONITORING (EDP-MT-20190196) | LS | 1.000 | 1.000 |
| 0108- 2 | VIBRATION MONITORING (EDP-MT-20190196) | LS | 1.000 | 1.000 |
| 0110- 1- 1B | CLEARING AND GRUBBING (EDP-MT-20190196) | (LS) | 1.000 | 1.000 |
| 0110- 4- 0-C0 | REMOVAL AND DISPOSE OF EXISTING CURB & GUTTER | LF | 661.000 | 661.000 |
| 0110- 22A | TREE ROOT AND BRANCH PRUNNING | EA | 4.000 | 4.000 |
| 0120- 1 | REGULAR EXCAVATION | CY | 411.300 | 411.300 |
| 0120- 4 | REGULAR SUBSOIL EXCAVATION | CY | 124.400 | 124.400 |
| 0120- 5 | CHANNEL EXCAVATION | CY | 794.900 | 794.900 |
| 0120- 6 | EMBANKMENT | CY | 118.400 | 118.400 |
| 0160- 4 | TYPE B STABILIZATION | SY | 845.000 | 845.000 |
| 0285-702 | OPTIONAL BASE GROUP, BASE GROUP 02 | SY | 36.000 | 36.000 |
| 0285-706 | OPTIONAL BASE GROUP, BASE GROUP 06 | SY | 745.000 | 745.000 |
| 0327- 70- 4A | MILLING EXIST ASPH PAVT, 3" AVG DEPTH | SY | 1044.000 | 1044.000 |
| 0334- 1- 52 | SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC B, PG 76-22 | TN | 197.300 | 197.300 |
| 0337- 7- 80 | ASPHALT CONCRETE FRICTION COURSE, TRAFFIC B, FC-9.5, PG 76-22 | TN | 107.900 | 107.900 |
| 0400- 4- 11 | CONCRETE CLASS IV, RETAINING WALL | CY | 67.200 | 67.200 |
| 0415- 1- 3 | REINFORCING STEEL, RETAINING WALL | LB | 5784.000 | 5784.000 |
| 0425- 5 | MANHOLE ADJUSTMENT | EA | 3.000 | 3.000 |
| 0425-5-1 | ADJUST MANHOLE (UTILITIES) | EA | 2.000 | 2.000 |
| 0425-6 | ADJUST EXISTING VALVE BOXES | EA | 9.000 | 9.000 |
| 0425- 1- 351 | INLETS, CURB, TYPE P-5, <10' | EA | 4.000 | 4.000 |
| 0425- 1- 352 | INLETS, CURB, TYPE P-5, >10' | EA | 2.000 | 2.000 |
| 0425- 1 -521 | INLETS, DT BOT, TYPE C,<10' | EA | 1.000 | 1.000 |
| 0430- 94- 1 | DESILTING PIPE, 0 - 24" | LF | 350.000 | 350.000 |
| 0430-175-115 | PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 15'S/CD | LF | 31.000 | 31.000 |
| 0430-175-118 | PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 18'S/CD | LF | 22.000 | 22.000 |
| 0443- 70- 4 | FRENCH DRAIN, 24" | LF | 248.000 | 248.000 |
| 0460-5-1830 | MANATEE GATE-(PIPE DIAMETER 18" TO 30" OR EQUIVALENT) | EA | 1.000 | 1.000 |
| 0515- 2311 | PEDESTRIAN/BICYCLE RAILING, ALUMINUM ONLY, 42" TYPE 1 | LF | 146.300 | 146.300 |
| 0515- 4- 1 | BULLET RAIL, SINGLE RAIL | LF | 166.000 | 166.000 |
| 0520- 1-10B | CONCRETE CURB & GUTTER, TYPE F | LF | 787.000 | 787.000 |
| 0521- 5- 4 | CONCRETE TRAFFIC RAILING, 32" VERTICAL FACE | LF | 166.000 | 166.000 |
| 0521- 72- 100 | SHOULDER CONCRETE BARRIER WALL, SPECIAL DESIGN | LF | 40.000 | 40.000 |
| 0522- 1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK | SY | 405.000 | 405.000 |
| 0522- 2 | CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK | SY | 138.000 | 138.000 |
| 0526- 1- 2C | CONCRETE PAVERS, SIDEWALKS | SY | 18.000 | 18.000 |
| 0527- 2 | DETECTABLE WARNINGS | SF | 112.000 | 112.000 |
| 0530- 3- 3 | RIPRAP- RUBBLE, BANK AND SHORE | TN | 1352.900 | 1352.900 |
| 0530- 74 | BEDDING STONE | TN | 481.700 | 481.700 |
| 0536- 73B | GUARDRAIL REMOVAL | LF | 69.000 | 69.000 |
| 0575- 1- 1 | SODDING (PENSACOLA BAHIA OR MATCH EXISTING)(INCLUDES WATERING) | SY | 963.000 | 963.000 |
| 0580- 3 | TREE PROTECTION BARRICADES | LF | 120.000 | 120.000 |
| 2/3/2025 10:41:16 AM | | | | |
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| PROJECT(S): EDP-MT-20190196 | | COUNTY: MIAMI-DADE | | |
| | | | | |
| ITEM NUMBER | ITEM DESCRIPTION | UNIT | EDP-MT-20190196 | QUANTITY TOTAL |
| 0700- 1- 11B | SINGLE POST SIGN, F&I, UP TO 12 5F | AS | 1.000 | 1.000 |
| 0700-1-12C | SINGLE POST SIGN, F&I,12-20 5F | AS | 4.000 | 4.000 |
| 0700- 1- 60 | SINGLE POST SIGN, REMOVE | AS | 17.000 | 17.000 |
| 0705- 10- 3 | OBJECT MARKER, TYPE 3 | AS | 4.000 | 4.000 |
| 0706- 1- 12 | RAISED PAVEMENT MARKER, CLASS B, MONO OR BI DIRECTIONAL, ALL COLORS | EA | 55.000 | 55.000 |
| 0710- 11- 121 | PAINTED PAVEMENT MARKINGS (STANDARD, WHITE, SOLID, 6") | LF | 1085.000 | 1085.000 |
| 0710- 11- 123 | PAINTED PAVEMENT MARKINGS (STANDARD, WHITE, SOLID, 12") | LF | 314.000 | 314.000 |
| 0710- 11- 124 | PAINTED PAVEMENT MARKINGS (STANDARD, WHITE, SOLID, 18") | LF | 34.000 | 34.000 |
| 0710- 11- 125 | PAINTED PAVEMENT MARKINGS (STANDARD, WHITE, SOLID, 24") | LF | 44.000 | 44.000 |
| 0710- 11- 221 | PAINTED PAVEMENT MARKINGS (STANDARD, YELLOW, SOLID, 6") | LF | 952.000 | 952.000 |
| 0710- 11- 222 | PAINTED PAVEMENT MARKINGS (STANDARD, YELLOW, SOLID, 18") | LF | 10.000 | 10.000 |
| 0710- 11- 241 | PAINTED PAVEMENT MARKINGS (STANDARD) (YELLOW) (SKIP) (6") | LF | 64.000 | 64.000 |
| 0711- 11- 121 | THERMOPLASTIC, WHITE, SOLID, 6" | LF | 1085.000 | 1085.000 |
| 0711- 11- 123 | THERMOPLASTIC, WHITE, SOLID, 12" | LF | 314.000 | 314.000 |
| 0711- 11- 124 | THERMOPLASTIC, WHITE, SOLID, 18" | LF | 34.000 | 34.000 |
| 0711- 11- 125 | THERMOPLASTIC, WHITE, SOLID, 24" | LF | 44.000 | 44.000 |
| 0711- 11- 221 | THERMOPLASTIC, YELLOW, SOLID, 6" | LF | 952.000 | 952.000 |
| 0711- 11- 224 | THERMOPLASTIC, YELLOW, SOLID, 18" | LF | 10.000 | 10.000 |
| 0711- 11- 241 | THERMOPLASTIC, YELLOW, SKIP, 6" | LF | 64.000 | 64.000 |
| 0713- 103- 101A | PERMANENT TAPE, WHITE, SOLID, 6" FOR CONCRETE BRIDGES | LF | 90.000 | 90.000 |
| 0713- 103- 201A | PERMANENT TAPE, YELLOW, SOLID, 6" FOR CONCRETE BRIDGES | LF | 90.000 | 90.000 |
| 2/3/2025 10:41:16 AM | | | | |
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| 0102-10A | OFF-DUTY LAW ENFORCEMENT OFFICER | (LS) | 1.000 | 1.000 |
| 0102- 60A | WORK ZONE SIGN | ED | 30044.000 | 30044.000 |
| 0102- 74- 1 | BARRICADES (TEMPORARY- TYPE I, II, VP & DRUMS) | ED | 5138.000 | 5138.000 |
| 0102- 74- 2 | BARRICADES (TEMPORARY, TYPE III, 6') | ED | 2702.000 | 2702.000 |
| 0102- 91 | PAVEMENT MARKING, TEMPORARY (YELLOW OR WHITE) (TAPE OR PAINT) (SKIP) (ANY WIDTH) | LF | 64.000 | 64.000 |
| 0102- 91- 1 | PAVEMENT MARKING, TEMPORARY (YELLOW OR WHITE) (TAPE OR PAINT) (SOLID) (ANY WIDTH) | LF | 2370.000 | 2370.000 |
| 0102- 99A | PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY | ED | 868.000 | 868.000 |
| 0104- 10 3 | SEDIMENT BARRIER | LF | 803.000 | 803.000 |
| 0104- 11A | FLOATING TURBIDITY BARRIER | LF | 55.000 | 55.000 |
| 0104- 18 | INLET PROTECTION SYSTEM | EA | 4.000 | 4.000 |
| 0108- 1 | INSPECTION & SETTLEMENT MONITORING (EDP-MT-20190196) | LS | 1.000 | 1.000 |
| 0108- 2 | VIBRATION MONITORING (EDP-MT-20190196) | LS | 1.000 | 1.000 |
| 0110- 1- 1B | CLEARING AND GRUBBING (EDP-MT-20190196) | (LS) | 1.000 | 1.000 |
| 0110- 4- 0-C0 | REMOVAL AND DISPOSE OF EXISTING CURB & GUTTER | LF | 661.000 | 661.000 |
| 0110- 22A | TREE ROOT AND BRANCH PRUNNING | EA | 4.000 | 4.000 |
| 0120- 1 | REGULAR EXCAVATION | CY | 411.300 | 411.300 |
| 0120- 4 | REGULAR SUBSOIL EXCAVATION | CY | 124.400 | 124.400 |
| 0120- 5 | CHANNEL EXCAVATION | CY | 794.900 | 794.900 |
| 0120- 6 | EMBANKMENT | CY | 118.400 | 118.400 |
| 0160- 4 | TYPE B STABILIZATION | SY | 845.000 | 845.000 |
| 0285-702 | OPTIONAL BASE GROUP, BASE GROUP 02 | SY | 36.000 | 36.000 |
| 0285-706 | OPTIONAL BASE GROUP, BASE GROUP 06 | SY | 745.000 | 745.000 |
| 0327- 70- 4A | MILLING EXIST ASPH PAVT, 3" AVG DEPTH | SY | 1044.000 | 1044.000 |
| 0334- 1- 52 | SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC B, PG 76-22 | TN | 197.300 | 197.300 |
| 0337- 7- 80 | ASPHALT CONCRETE FRICTION COURSE, TRAFFIC B, FC-9.5, PG 76-22 | TN | 107.900 | 107.900 |
| 0400- 4- 11 | CONCRETE CLASS IV, RETAINING WALL | CY | 67.200 | 67.200 |
| 0415- 1- 3 | REINFORCING STEEL, RETAINING WALL | LB | 5784.000 | 5784.000 |
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| 0425-5-1 | ADJUST MANHOLE (UTILITIES) | EA | 2.000 | 2.000 |
| 0425-6 | ADJUST EXISTING VALVE BOXES | EA | 9.000 | 9.000 |
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| 0425- 1- 352 | INLETS, CURB, TYPE P-5, >10' | EA | 2.000 | 2.000 |
| 0425- 1 -521 | INLETS, DT BOT, TYPE C,<10' | EA | 1.000 | 1.000 |
| 0430- 94- 1 | DESILTING PIPE, 0 - 24" | LF | 350.000 | 350.000 |
| 0430-175-115 | PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 15'S/CD | LF | 31.000 | 31.000 |
| 0430-175-118 | PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 18'S/CD | LF | 22.000 | 22.000 |
| 0443- 70- 4 | FRENCH DRAIN, 24" | LF | 248.000 | 248.000 |
| 0460-5-1830 | MANATEE GATE-(PIPE DIAMETER 18" TO 30" OR EQUIVALENT) | EA | 1.000 | 1.000 |
| 0515- 2311 | PEDESTRIAN/BICYCLE RAILING, ALUMINUM ONLY, 42" TYPE 1 | LF | 146.300 | 146.300 |
| 0515- 4- 1 | BULLET RAIL, SINGLE RAIL | LF | 166.000 | 166.000 |
| 0520- 1-10B | CONCRETE CURB & GUTTER, TYPE F | LF | 787.000 | 787.000 |
| 0521- 5- 4 | CONCRETE TRAFFIC RAILING, 32" VERTICAL FACE | LF | 166.000 | 166.000 |
| 0521- 72- 100 | SHOULDER CONCRETE BARRIER WALL, SPECIAL DESIGN | LF | 40.000 | 40.000 |
| 0522- 1 | CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK | SY | 405.000 | 405.000 |
| 0522- 2 | CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK | SY | 138.000 | 138.000 |
| 0526- 1- 2C | CONCRETE PAVERS, SIDEWALKS | SY | 18.000 | 18.000 |
| 0527- 2 | DETECTABLE WARNINGS | SF | 112.000 | 112.000 |
| 0530- 3- 3 | RIPRAP- RUBBLE, BANK AND SHORE | TN | 1352.900 | 1352.900 |
| 0530- 74 | BEDDING STONE | TN | 481.700 | 481.700 |
| 0536- 73B | GUARDRAIL REMOVAL | LF | 69.000 | 69.000 |
| 0575- 1- 1 | SODDING (PENSACOLA BAHIA OR MATCH EXISTING)(INCLUDES WATERING) | SY | 963.000 | 963.000 |
| 0580- 3 | TREE PROTECTION BARRICADES | LF | 120.000 | 120.000 |
| 2/3/2025 10:41:16 AM | | | | |
| MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PROPOSAL SUMMARY OF PAY ITEMS FOR PROPOSAL: EDP-MT-20190196 | | | | |
| LEAD PROJECT: EDP-MT-20190196 | | CITY: MIAMI | | |
| PROJECT(S): EDP-MT-20190196 | | COUNTY: MIAMI-DADE | | |
| | | | | |
| ITEM NUMBER | ITEM DESCRIPTION | UNIT | EDP-MT-20190196 | QUANTITY TOTAL |
| 0700- 1- 11B | SINGLE POST SIGN, F&I, UP TO 12 5F | AS | 1.000 | 1.000 |
| 0700-1-12C | SINGLE POST SIGN, F&I,12-20 5F | AS | 4.000 | 4.000 |
| 0700- 1- 60 | SINGLE POST SIGN, REMOVE | AS | 17.000 | 17.000 |
| 0705- 10- 3 | OBJECT MARKER, TYPE 3 | AS | 4.000 | 4.000 |
| 0706- 1- 12 | RAISED PAVEMENT MARKER, CLASS B, MONO OR BI DIRECTIONAL, ALL COLORS | EA | 55.000 | 55.000 |
| 0710- 11- 121 | PAINTED PAVEMENT MARKINGS (STANDARD, WHITE, SOLID, 6") | LF | 1085.000 | 1085.000 |
| 0710- 11- 123 | PAINTED PAVEMENT MARKINGS (STANDARD, WHITE, SOLID, 12") | LF | 314.000 | 314.000 |
| 0710- 11- 124 | PAINTED PAVEMENT MARKINGS (STANDARD, WHITE, SOLID, 18") | LF | 34.000 | 34.000 |
| 0710- 11- 125 | PAINTED PAVEMENT MARKINGS (STANDARD, WHITE, SOLID, 24") | LF | 44.000 | 44.000 |
| 0710- 11- 221 | PAINTED PAVEMENT MARKINGS (STANDARD, YELLOW, SOLID, 6") | LF | 952.000 | 952.000 |
| 0710- 11- 222 | PAINTED PAVEMENT MARKINGS (STANDARD, YELLOW, SOLID, 18") | LF | 10.000 | 10.000 |
| 0710- 11- 241 | PAINTED PAVEMENT MARKINGS (STANDARD) (YELLOW) (SKIP) (6") | LF | 64.000 | 64.000 |
| 0711- 11- 121 | THERMOPLASTIC, WHITE, SOLID, 6" | LF | 1085.000 | 1085.000 |
| 0711- 11- 123 | THERMOPLASTIC, WHITE, SOLID, 12" | LF | 314.000 | 314.000 |
| 0711- 11- 124 | THERMOPLASTIC, WHITE, SOLID, 18" | LF | 34.000 | 34.000 |
| 0711- 11- 125 | THERMOPLASTIC, WHITE, SOLID, 24" | LF | 44.000 | 44.000 |
| 0711- 11- 221 | THERMOPLASTIC, YELLOW, SOLID, 6" | LF | 952.000 | 952.000 |
| 0711- 11- 224 | THERMOPLASTIC, YELLOW, SOLID, 18" | LF | 10.000 | 10.000 |
| 0711- 11- 241 | THERMOPLASTIC, YELLOW, SKIP, 6" | LF | 64.000 | 64.000 |
| 0713- 103- 101A | PERMANENT TAPE, WHITE, SOLID, 6" FOR CONCRETE BRIDGES | LF | 90.000 | 90.000 |
| 0713- 103- 201A | PERMANENT TAPE, YELLOW, SOLID, 6" FOR CONCRETE BRIDGES | LF | 90.000 | 90.000 |
| 2/3/2025 10:41:16 AM | | | | |
| MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORT | | | | |



TYPICAL SECTION
NE 10TH AVE
STA. 489+95.24 TO STA. 492+88.70 (B SURVEY) *

* NOTE: MILLING AND RESURFACING FROM
STATION 489+95.24 TO 491+30.00
ALONG WITH NEW CURB CONSTRUCTION.

| TRAFFIC DATA |
|-------------------------------------|
| CURRENT YEAR = 2024 AADT = 13200 |
| K = 9% D = 63.1% T = 3.2% (24 HOUR) |
| DESIGN HOUR T = 1.6% |
| DESIGN SPEED = 40 MPH |
| POSTED SPEED = 30 MPH |

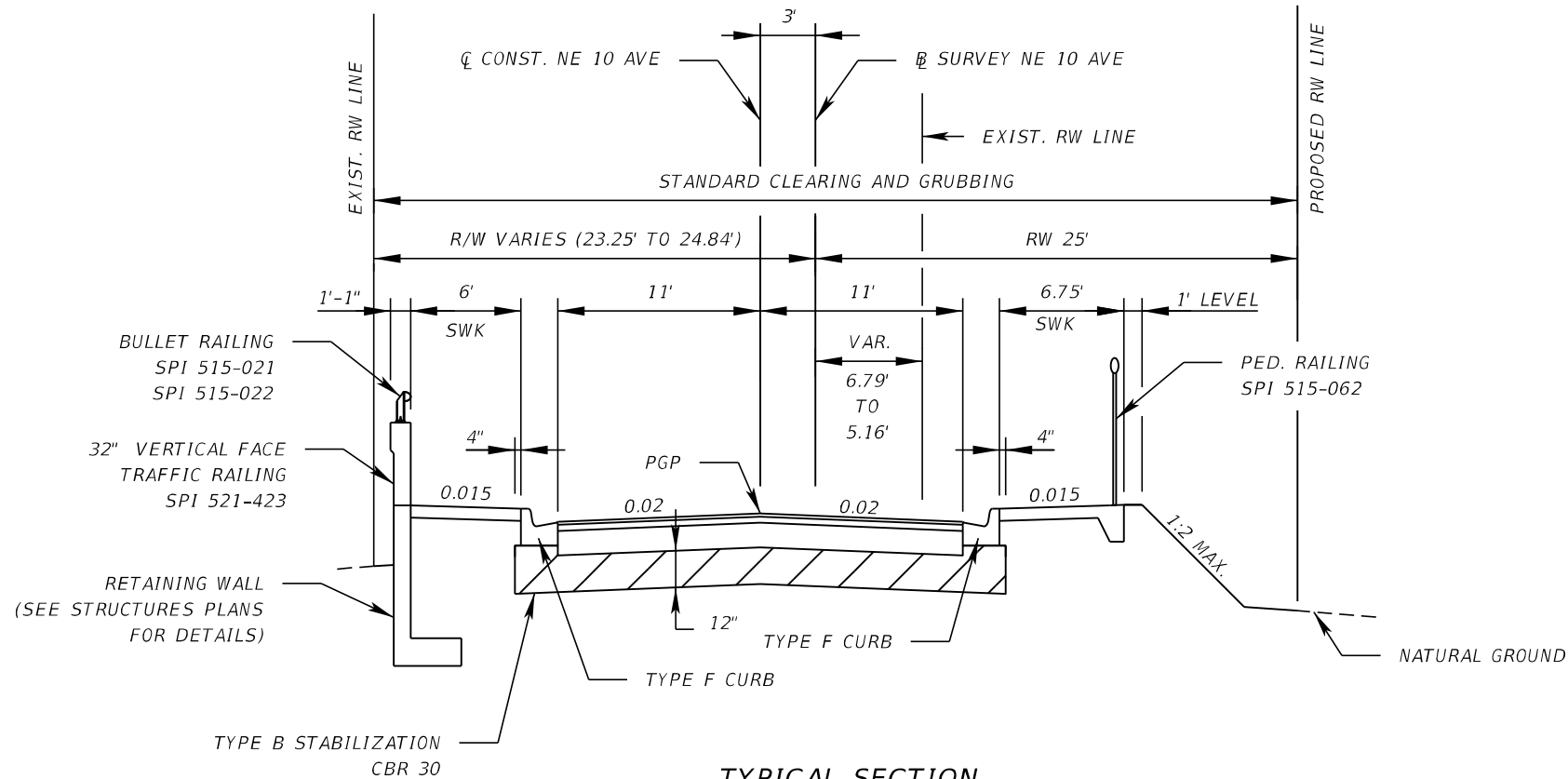
| MILLING |
|--|
| MILL EXISTING ASPHALT PAVEMENT FOR DEPTH (3") |

| RESURFACING |
|---|
| TYPE SP STRUCTURAL COURSE (TRAFFIC B) (2"), AND FRICTION COURSE FC-9.5 (1") (PG 76-22) |

| MINOR WIDENING |
|---|
| OPTIONAL BASE GROUP 6 (TYPE B-12.5 ONLY) WITH TYPE SP STRUCTURAL COURSE (TRAFFIC B) (2") AND FRICTION COURSE FC-9.5 (1") (PG 76-22) |

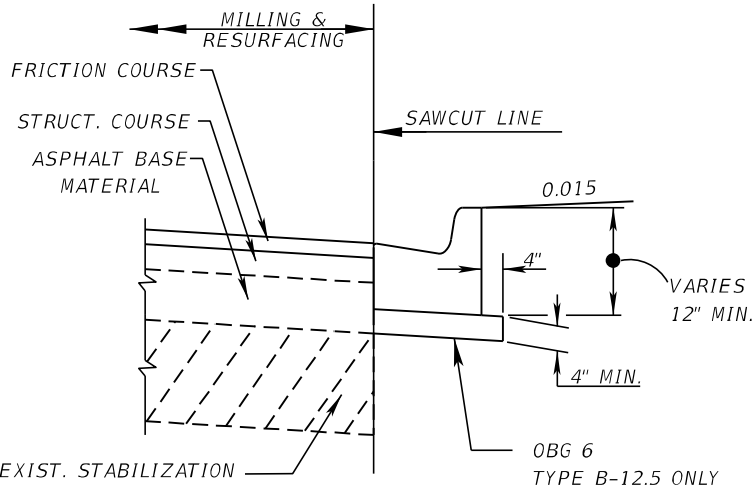
| DRIVEWAY RECONSTRUCTION |
|---|
| OPTIONAL BASE GROUP 2 WITH TYPE SP STRUCTURAL COURSE (TRAFFIC B) (1½") |

| NEW CONSTRUCTION |
|--|
| OPTIONAL BASE GROUP 6 WITH TYPE SP STRUCTURAL COURSE (TRAFFIC B) (2") AND FRICTION COURSE FC-9.5 (1") (PG 76-22) |



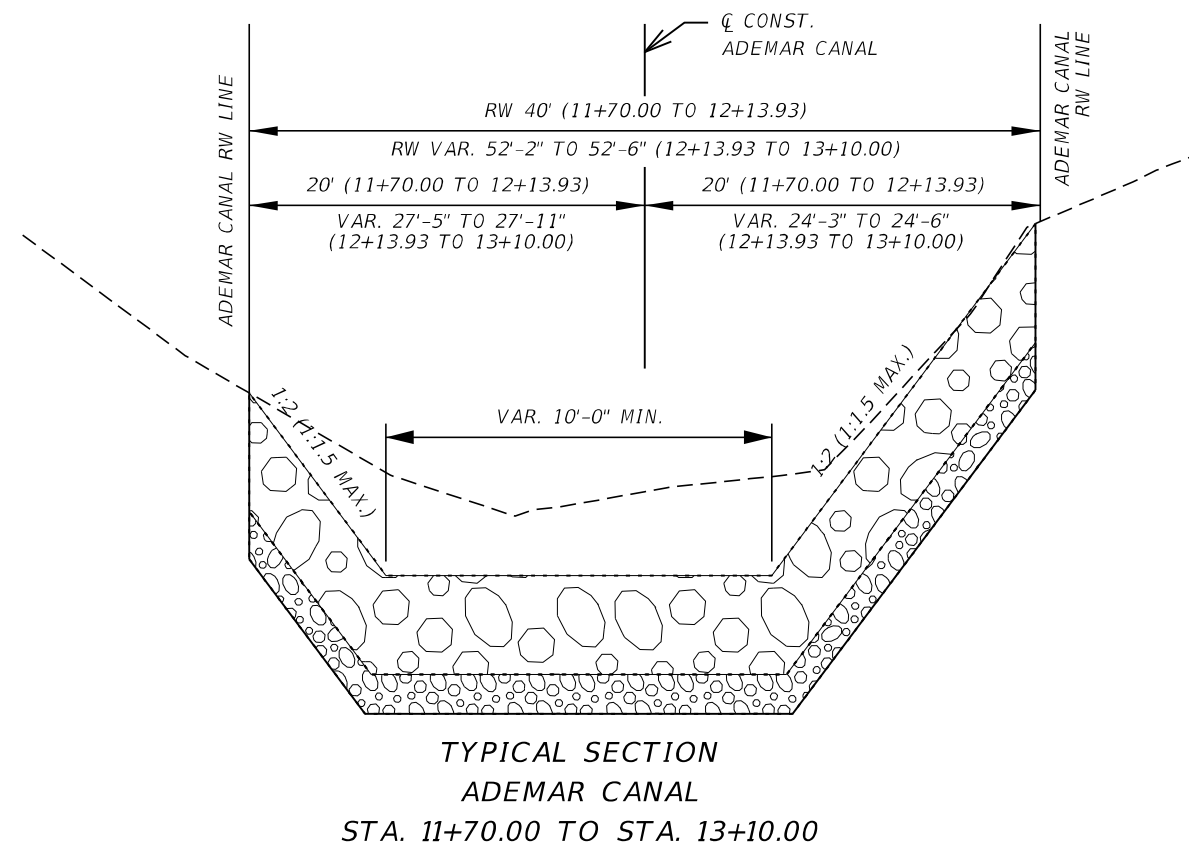
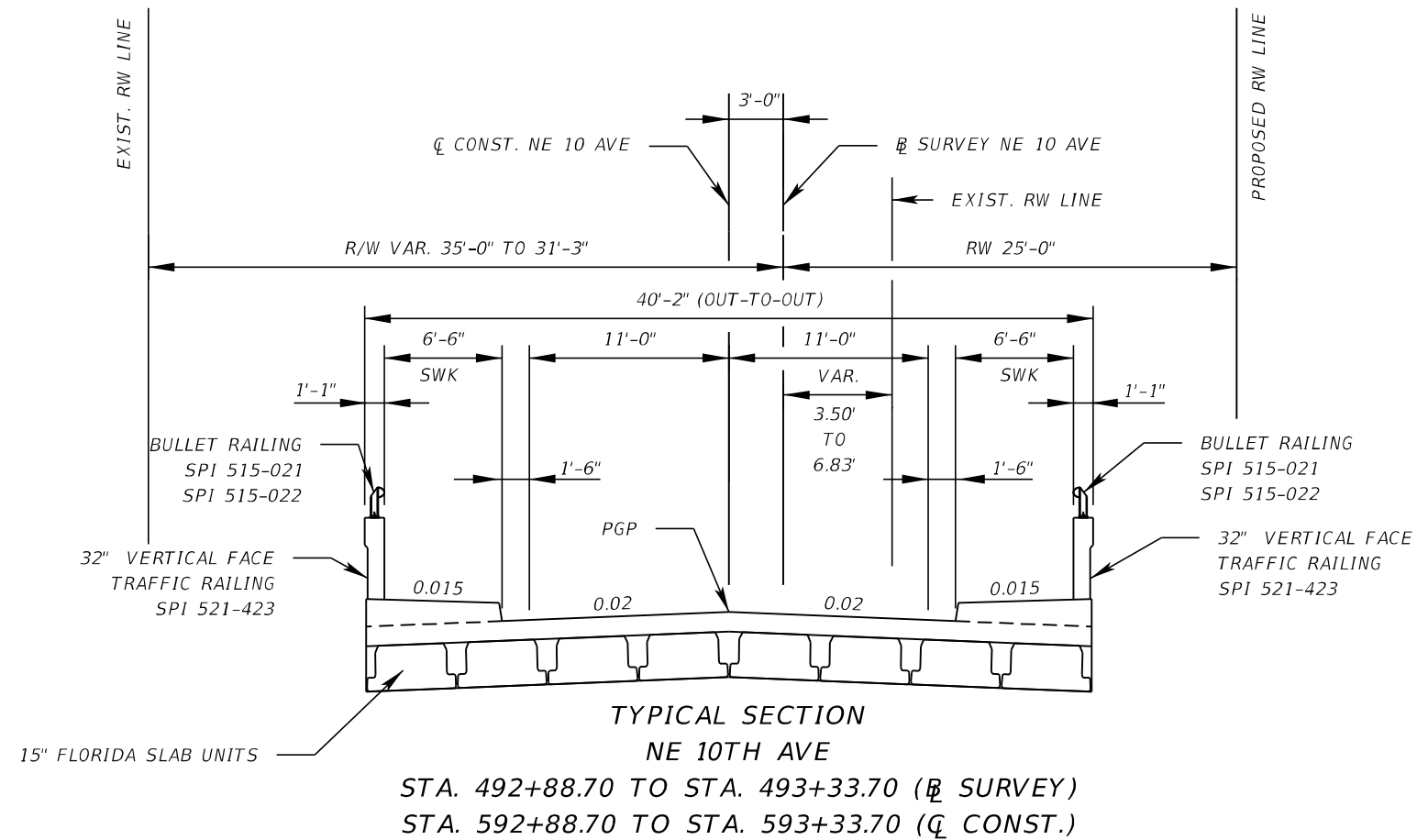
TYPICAL SECTION
NE 10TH AVE
STA. 493+33.70 TO STA. 496+00.00 (B SURVEY) **

** NOTE: MILLING AND RESURFACING FROM
STATION 495+00 TO 496+00 ALONG
WITH NEW CURB CONSTRUCTION.



DETAIL OF ASPHALT BASE CURB PAD

| REVISIONS | | | | ASA CONSULTANTS, INC. 8935 NW 35th LANE, SUITE 200 DORAL, FL 33172 (754) 216-2027 CARLOS M. RODRIGUEZ, PE; LIC. NO. 79134 | MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT | | | TYPICAL SECTIONS | SHEET NO. |
|-----------|-------------|------|-------------|---|--|------------|-----------------|------------------|--------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | PROJECT NUMBER | | |
| | | | | | NE 10 AVE | MIAMI-DADE | EDP-MT-20190196 | | 5 |



| REVISIONS | | | | ASA CONSULTANTS, INC. 8935 NW 35th LANE, SUITE 200 DORAL, FL 33172 (754) 216-2027 CARLOS M. RODRIGUEZ, PE; LIC. NO. 79134 | MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT | | | TYPICAL SECTIONS | SHEET NO. |
|-----------|-------------|------|-------------|---|--|------------|-----------------|------------------|-----------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | PROJECT NUMBER | | 6 |
| | | | | | NE 10 AVE | MIAMI-DADE | EDP-MT-20190196 | | |
| | | | | | | | | | |

| Q T Y | STRUCT. NO. | STATION | S I D E | DESCRIPTION | B A R R E L S | STORM OPTIONAL PIPE TYPE | | FRENCH DRAIN | CURB INLETS | | SWALE INLETS | ADJUST MANHOLE | MANATEE GRATE | DESCRIPTION | |
|------------------------------|----------------|-----------|------------------|------------------|---------------------------------|--------------------------|------------|--------------|-------------|-----|--------------|-------------------|----------------|----------------------------------|--------|
| | | | | | | ROUND SHAPE | | | ROUND SHAPE | P-5 | P-5 | | SD 2.3, SD 2.6 | | SD 5.1 |
| | | | | | | 15" (PIPE) | 18" (PIPE) | 24" (PIPE) | 24" (FD) | | | | | | |
| | | | | | | ≤ 10 | | | | | ≤ 10 | | | | |
| P | S-1 | 591+24.20 | LT | Inlet, Pipe | 1 | 10 | | | | | 1 | | | | |
| F | | | | | | | | | | | | | | | |
| P | S-2 | 591+27.20 | LT | Inlet, Pipe | 1 | | | | 1 | | | | | | |
| F | | | | | | | | | | | | | | | |
| P | S-3 | 591+30.23 | RT | Inlet, Pipe | 1 | 21' | | 121' | 1 | | | | | 4'X4' BOTT. | |
| F | | | | | | | | | | | | | | | |
| P | S-4 | Not Used | | | | | | | | | | | | | |
| F | | | | | | | | | | | | | | | |
| P | S-5 | 592+51.70 | LT | Inlet, Pipe | 1 | | | | | 1 | | | | 4'X4' BOTT. | |
| F | | | | | | | | | | | | | | | |
| P | S-6 | 592+50.77 | RT | Manhole | 1 | | | | | | 1 | | | | |
| F | | | | | | | | | | | | | | | |
| P | S-7 | 592+86.99 | RT | Existing Endwall | 1 | | | | | | | | 1 | INSTALL MANATEE GRATE AT OUTFALL | |
| F | | | | | | | | | | | | | | | |
| P | S-8 | 593+72.68 | RT | Inlet, Pipe | 1 | | | 127' | | 1 | | | | 4'X4' BOTT. | |
| F | | | | | | | | | | | | | | | |
| P | S-9 | 595+03.68 | RT | Inlet, Pipe | 1 | | | | 1 | | | | | 4'X4' BOTT. | |
| F | | | | | | | | | | | | | | | |
| P | S-10 | 595+16.79 | LT | Inlet, Pipe | 1 | | 22' | | 1 | | | | | | |
| F | | | | | | | | | | | | | | | |
| P | | | | | | | | | | | | | | | |
| F | | | | | | | | | | | | | | | |
| P | | | | | | | | | | | | | | | |
| F | | | | | | | | | | | | | | | |
| P | | | | | | | | | | | | | | | |
| F | | | | | | | | | | | | | | | |
| P | | | | | | | | | | | | | | | |
| F | | | | | | | | | | | | | | | |
| P | | | | | | | | | | | | | | | |
| F | | | | | | | | | | | | | | | |
| P | | | | | | | | | | | | | | | |
| F | | | | | | | | | | | | | | | |
| P | | | | | | | | | | | | | | | |
| F | | | | | | | | | | | | | | | |
| P | | | | | | | | | | | | | | | |
| F | | | | | | | | | | | | | | | |
| SHEET TOTALS - PLAN QUANTITY | | | | | | 31' | 22' | | 248' | 4 | 2 | 1 | 1 | 1 | |
| FINAL QUANTITY | | | | | | 31' | 22' | | 248' | 4 | 2 | 1 | 1 | 1 | |

| REVISIONS | | | | RIBBECK ENGINEERING, INC. 14335 SW 120 STREET, SUITE 205 MIAMI, FLORIDA 33186 TEL. (305) 383-5909 FBPE C.A. NO. 27592 CARLOS F. RIBBECK, P.E. LICENSE NO. 50543 | MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT | | | SUMMARY OF DRAINAGE STRUCTURES | SHEET NO. |
|-----------|-------------|------|-------------|--|--|------------|-----------------|---|-----------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | PROJECT NUMBER | | |
| | | | | | NE 10 AVE | MIAMI-DADE | EDP-MT-20190196 | | 7 |

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

| STRUCT. NO. | SIZE (Inches) | MATERIAL | PLOTTED | AS BUILT | REMARKS |
|--------------------|---------------|---|---------|----------|---------|
| S-1, S-2, S-3 | 15" ROUND | (HDPE) HIGH DENSITY POLYETHYLENE, CL II | | | |
| | | (PP) POLYPROPYLENE | X | | |
| | | (PVC) POLYVINIL CHLORIDE, ASTM F-949 | | | |
| | | (SRAP) ALUMINUM-SPIRAL RIB, 14GA. | | | |
| | | | | | |
| | | | | | |
| S-9, S-10 | 18" ROUND | (HDPE) HIGH DENSITY POLYETHYLENE, CL II | | | |
| | | (PP) POLYPROPYLENE | X | | |
| | | (PVC) POLYVINIL CHLORIDE, ASTM F-949 | | | |
| | | (SRAP) ALUMINUM-SPIRAL RIB, 14GA. | | | |
| | | | | | |
| | | | | | |
| S-3, S-5, S-8, S-9 | 24" ROUND | (HDPE) HIGH DENSITY POLYETHYLENE, CL II | | | |
| | | (PP) POLYPROPYLENE | X | | |
| | | (PVC) POLYVINIL CHLORIDE, ASTM F-949 | | | |
| | | (SRAP) ALUMINUM-SPIRAL RIB, 14GA. | | | |
| | | | | | |
| | | | | | |
| | | | | | |

| REVISIONS | | | | RIBBECK ENGINEERING, INC. 14335 SW 120 STREET, SUITE 205 MIAMI, FLORIDA 33186 TEL. (305) 383-5909 CARLOS F. RIBBECK, P.E. LICENSE NO. 50543 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | OPTIONAL MATERIALS TABULATION | SHEET NO. |
|-----------|-------------|------|-------------|---|--|------------|-----------------|----------------------------------|--------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | PROJECT NUMBER | | |
| | | | | | NE 10 AVE | MIAMI-DADE | EDP-MT-20190196 | | 8 |

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

PROJECT CONTROL POINTS






N.G.V.D. 29

OF SURVEY
 NORTHEAST 10TH AVENUE
 FROM NE 83RD STREET TO NE 84TH STREET
 SECTIONS 7 & 8, TOWNSHIP 53 SOUTH, RANGE 42 EAST.

HORIZONTAL AND VERTICAL CONTROL

| POINT NAME | (X) EASTING | (Y) NORTHING | SCALE FACTOR | LATITUDE | LONGITUDE | BASELINE STATION | OFFSET | (Z) ELEVATION | DESCRIPTION |
|------------|----------------|-----------------|-----------------|---------------|---------------|---------------------|-----------|------------------|--|
| CP501 | 926967.020 | 553150.890 | 1.00002526 | N25°51'11.19" | W80°10'35.62" | 495+33.81 | 23.04' RT | 4.82 | SET P.K. NAIL STAMPED "CP501" |
| CP502 | 926942.240 | 553131.730 | 1.00002525 | N25°51'11.00" | W80°10'35.89" | 495+15.73 | 2.55' RT | 5.33 | SET P.K. NAIL STAMPED "CP502" |
| CP503 | 926924.990 | 553164.030 | 1.00002524 | N25°51'11.32" | W80°10'36.07" | 495+48.74 | 18.39' LT | 5.09 | SET P.K. NAIL & WASHER STAMPED "CP503" |
| CP504 | 926940.080 | 553198.980 | 1.00002525 | N25°51'11.67" | W80°10'35.91" | 495+83.01 | 1.82' LT | 4.72 | SET P.K. NAIL & WASHER STAMPED "CP504" |
| CP534 | 926939.320 | 552709.340 | 1.00002525 | N25°51'06.82" | W80°10'35.95" | 490+93.85 | 23.61' LT | 3.67 | SET P.K. NAIL & WASHER STAMPED "CP534" |
| CP535 | 926989.650 | 552682.970 | 1.00002528 | N25°51'06.55" | W80°10'35.40" | 490+65.34 | 25.54' RT | 3.74 | SET P.K. NAIL & WASHER STAMPED "CP535" |
| CP800 | 926933.740 | 552936.650 | 1.00002526 | N25°51'09.07" | W80°10'35.99" | 493+11.39 | 8.53' LT | 7.85 | SET P.K. NAIL & WASHER STAMPED "CP800" |
| CP801 | 926933.740 | 552936.650 | 1.00002524 | N25°51'09.07" | W80°10'35.99" | 493+21.19 | 19.42' LT | 7.67 | SET P.K. NAIL & WASHER STAMPED "CP801" |

LEGEND

| | |
|---|--|
|  | = BASELINE |
|  | = CENTERLINE |
| FDOT | = FLORIDA DEPARTMENT OF TRANSPORTATION |
| S.R. | = STATE ROAD |
| R/W | = RIGHT OF WAY |
| RT | = RIGHT |
| LT | = LEFT |
|  | = BRASS DISC |
|  | = P.K. NAIL & WASHER |
|  | = IRON ROD |
| Δ | = DELTA |
| D | = DEGREE OF CURVE |
| T | = TANGENT |
| L | = ARC LENGTH |
| R | = RADIUS |
| PI | = POINT OF INTERSECTION |
| PC | = POINT OF CURVATURE |
| PCC | = POINT OF COMPOUND CURVATURE |
| PRC | = POINT OF REVERSE CURVATURE |
| POC | = POINT ON CURVE |
| PT | = POINT OF TANGENCY |
| POT | = POINT ON TANGENT |
| N.A.V.D. | = NORTH AMERICAN VERTICAL DATUM |
| STA | = STATION |
| SEC | = SECTION |
| NT | = NON TANGENT |

SURVEYOR'S NOTES:

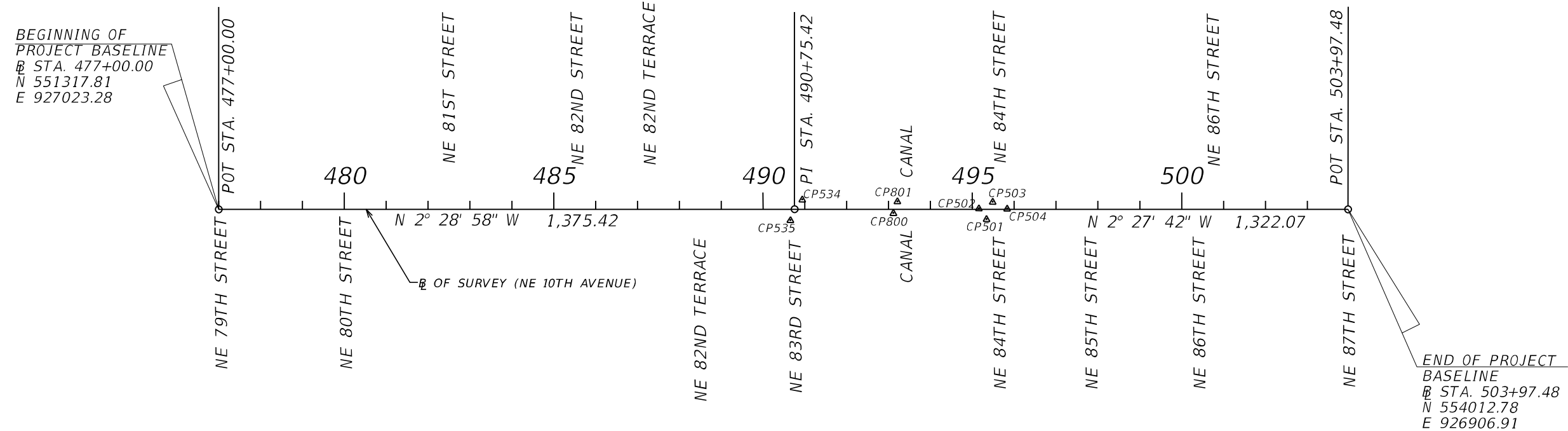
1. BEARINGS AND COORDINATES ARE RELATIVE TO THE FLORIDA STATE PLANE COORDINATES, FLORIDA EAST ZONE, NORTH AMERICAN DATUM (NAD) OF 1983/90 ADJUSTMENT OF 1990.
2. VERTICAL DATUM: NATIONAL GEODETIC VERTICAL DATUM 1929 (N.G.V.D. 1929)
3. BASELINE ALIGNMENT AND STATIONINGS WERE PERFORMED BY HADONNE CORP.
4. PROJECT UNITS: U.S. SURVEY FEET
5. THE BASELINE WAS NOT SET IN THE FIELD DUE TO TRAFFIC CONDITIONS.

LIMITS: ALONG NE 10TH AVENUE, FROM NE 83RD STREET TO NE 84TH STREET

| REVISIONS | | | | ASA CONSULTANTS, INC. 8935 NW 35th LANE, SUITE 200 DORAL, FL 33172 (754) 216-2027 CARLOS M. RODRIGUEZ, PE; LIC. NO. 79134 | MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT | | | <i>PROJECT CONTROL</i> | SHEET NO. |
|-----------|-------------|------|-------------|---|--|------------|-----------------|------------------------|-----------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | PROJECT NUMBER | | 9 |
| | | | | | NE 10 AVE | MIAMI-DADE | EDP-MT-20190196 | | |
| | | | | | | | | | |

1/4 OF SURVEY
 NORTHEAST 10TH AVENUE
 FROM NE 83RD STREET TO NE 84TH STREET
 SECTIONS 7 & 8, TOWNSHIP 53 SOUTH, RANGE 42 EAST.

0 75 300
Feet



| REVISIONS | | | | ASA CONSULTANTS, INC. 8935 NW 35th LANE, SUITE 200 DORAL, FL 33172 (754) 216-2027 CARLOS M. RODRIGUEZ, PE; LIC. NO. 79134 | MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT | | | <i>PROJECT CONTROL</i> | SHEET NO. |
|-----------|-------------|------|-------------|---|--|------------|-----------------|------------------------|-----------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | PROJECT NUMBER | | |
| | | | | | NE 10 AVE | MIAMI-DADE | EDP-MT-20190196 | | |
| | | | | | | | | | 10 |

GENERAL NOTES:

1. BENCHMARK ELEVATIONS SHOWN ON THE PLANS ARE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29).

2. ALL SURVEY INFORMATION WAS OBTAINED FROM A LICENSED FLORIDA PROFESSIONAL SURVEYOR AND MAPPER AND UTILIZED AS SUPPORTING DATA IN THE PRODUCTION OF DESIGN PLANS AND FOR CONSTRUCTION ON SUBJECT PROJECT. THE PROFESSIONAL SURVEYOR AND MAPPER OF RECORD IS:

ABRAHAM HADAD, P.S.M.

P.S.M. NO.: 6006

HADONNE CORPORATION

1985 NW 88TH CT, SUITE 101

DORAL, FLORIDA 33172

3. THE LOCATION(S) OF THE UTILITIES SHOWN IN THE PLANS (INCLUDING THOSE DESIGNATED Vv, Vh, AND Vvh) ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE VERIFIED LOCATIONS/ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. INTERPOLATIONS BETWEEN THESE POINTS HAVE NOT BEEN VERIFIED.

4. UTILITY/AGENCY OWNERS:

| COMPANY | CONTACT | TELEPHONE NUMBERS |
|--|----------------------|-------------------------|
| AT&T DISTRIBUTION | JOSUE OCANDO | (954) 308-3636 |
| COMCAST | THORNTON SZYNKARSKI | (754) 221-2298 |
| CROWN CASTLE | DANNY HASKET | (786) 610-7073 |
| FLORIDA POWER & LIGHT | MICHAEL VILLEGAS | (305) 442-5128 |
| HOTWIRE COMMUNICATIONS | WALTER SANCHE-DAVILA | (954) 699-0900 |
| LUMEN (CENTURY LINK) | FRANCISCO AZURI | (318) 388-9000 |
| MIAMI-DADE COUNTY IT DEPARTMENT | FRANK DOPICO | (305) 275-7813 |
| MIAMI-DADE COUNTY PUBLIC WORKS AND TRAFFIC | OCTAVIO VIDAL | (305) 412-0891 EXT. 201 |
| MIAMI-DADE COUNTY WATER AND SEWER | PATRICK CHONG | (786) 552-4416 |
| TECO GAS | DAVID RIVERA | (954) 453-0794 |
| VERIZON (MCI) | ROBERT VILLANUEVA | (786) 999-2140 |

5. MILLING DEPTH IS BASED ON THE EXPECTED THICKNESS OF THE EXISTING STRUCTURAL COURSE. IN THE EVENT THAT THE EXISTING BASE IS EXPOSED DURING MILLING OPERATIONS, THE MILLING DEPTH MAY BE ADJUSTED BY THE ENGINEER. BASE EXPOSED DURING MILLING OPERATIONS IS TO BE TREATED AS PREVIOUSLY PREPARED BASE PER STANDARD SPECIFICATION 300, WITH ANY PRIME OR TACK COATS USED TO BE INCLUDED IN THE COST OF THE STRUCTURAL COURSE.

6. DETECTABLE WARNING SURFACE (DWS) TO BE SELECTED FROM THE LATEST MDC ARTICLE 527 LIST.

7. ALL SALVAGEABLE MATERIALS THAT ARE REMOVED MUST BE DELIVERED AND UNLOADED AT THE MIAMI-DADE ROAD, BRIDGE AND CANAL MAINTENANCE DIVISION AT 9301 NW 58 STREET MIAMI, FLORIDA. 33178, TELEPHONE NUMBER: (305) 592-3116.

8. COST OF THE FLEXIBLE UV RESISTANT PVC JOINTING SYSTEM IS INCLUDED IN THE COST OF THE SIDEWALK. REFER TO THE TREE PRESERVATION DETAILS SHEET FOR ADDITIONAL DETAILS.

9. NOTIFY CITY OF MIAMI TWO WEEKS PRIOR TO COMMENCING CANAL IMPROVEMENTS.

10. EXISTING TREES ARE TO REMAIN UNLESS NOTED OTHERWISE ON THE PLANS. SEE TREE DISPOSITION FOR ADDITIONAL INFORMATION.

11. MATCH THE SURROUNDING SOD SPECIES WHEN ABUTTING TO PROPERTIES WITH ESTABLISHED TURF.

12. EXISTING PAVERS AT DRIVEWAY 2 MAY BE STOCKPILED AND REUSED AT THE DISCRETION OF THE ENGINEER.

13. THE FOLLOWING PERMITS WERE OBTAINED FOR THIS PROJECT. REVIEW, FAMILIARIZE, AND COMPLY WITH THE PROVISIONS/REQUIREMENTS CONTAINED IN THESE PERMITS:

DERM- CLASS 1 PERMIT

DERM- CLASS 5 (ONLY IF DEWATERRING IS DETERMINED TO BE NEEDED; RESPONSIBILITY OF THE CONTRACTOR)

DERM- TREE REMOVAL PERMIT

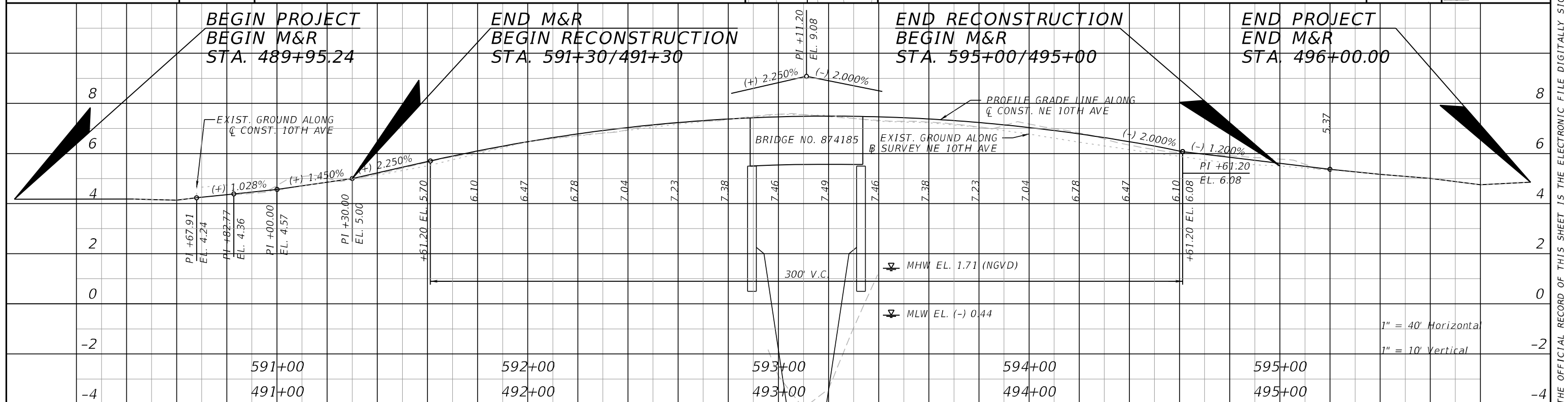
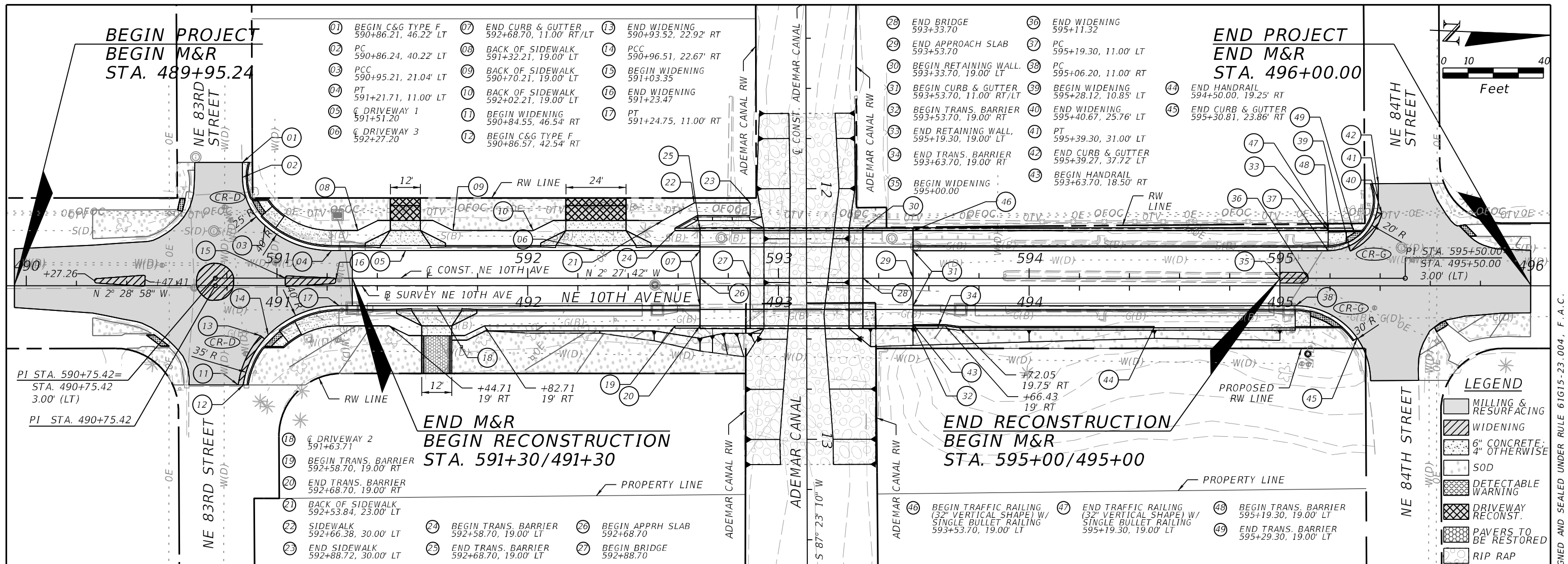
FDEP- TITLE DETERMINATION

SFWMD- ENVIROMENTAL RESOURCE PERMIT

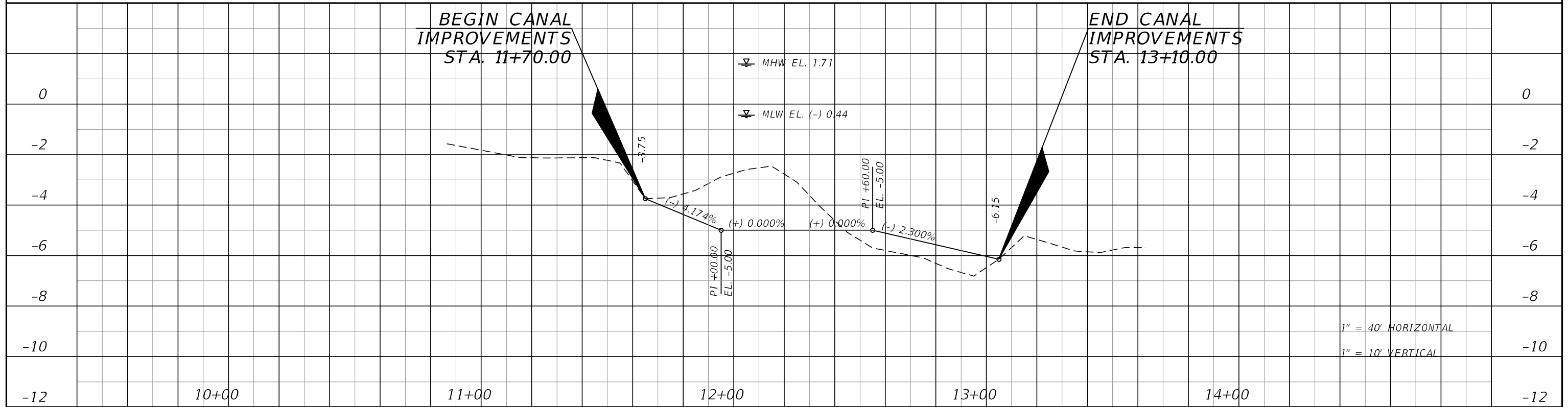
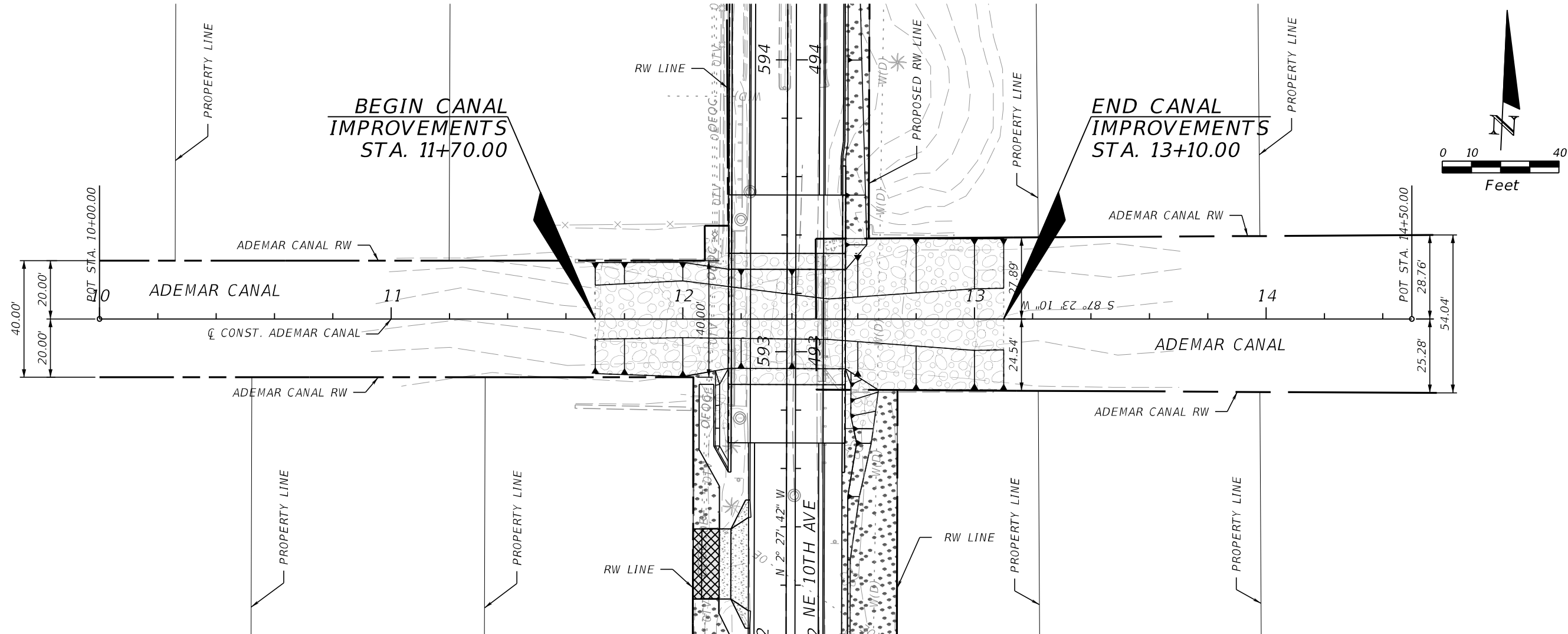
USACOE - LETTER OF PERMISSION

CITY OF MIAMI- CERTIFICATE TO DIG

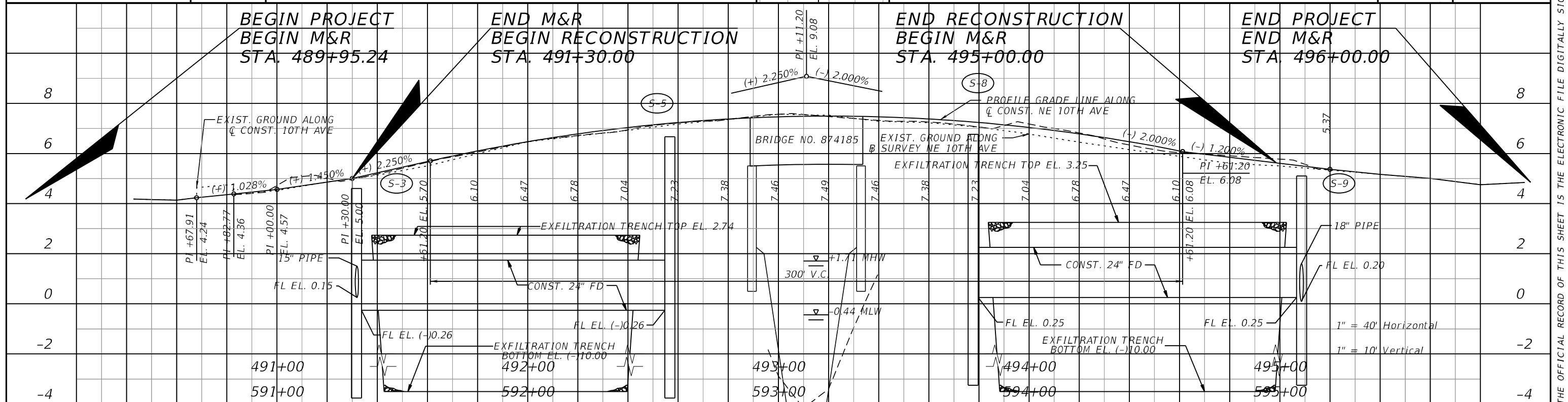
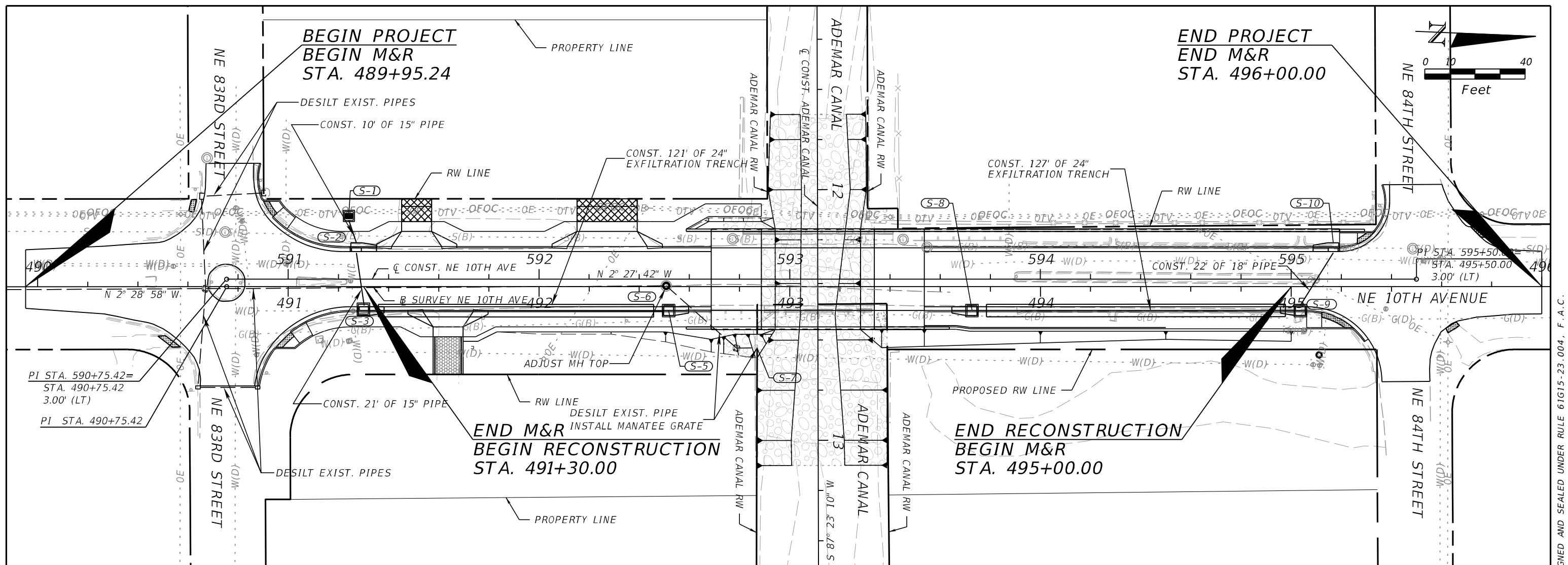
| REVISIONS | | | | ASA CONSULTANTS, INC. 8935 NW 35th LANE, SUITE 200 DORAL, FL 33172 (754) 216-2027 CARLOS M. RODRIGUEZ, PE; LIC. NO. 79134 | MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT | | | GENERAL NOTES | SHEET NO. |
|-----------|-------------|------|-------------|---|--|------------|-----------------|---------------|-----------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | PROJECT NUMBER | | |
| | | | | | NE 10 AVE | MIAMI-DADE | EDP-MT-20190196 | | |
| | | | | | | | | | 11 |



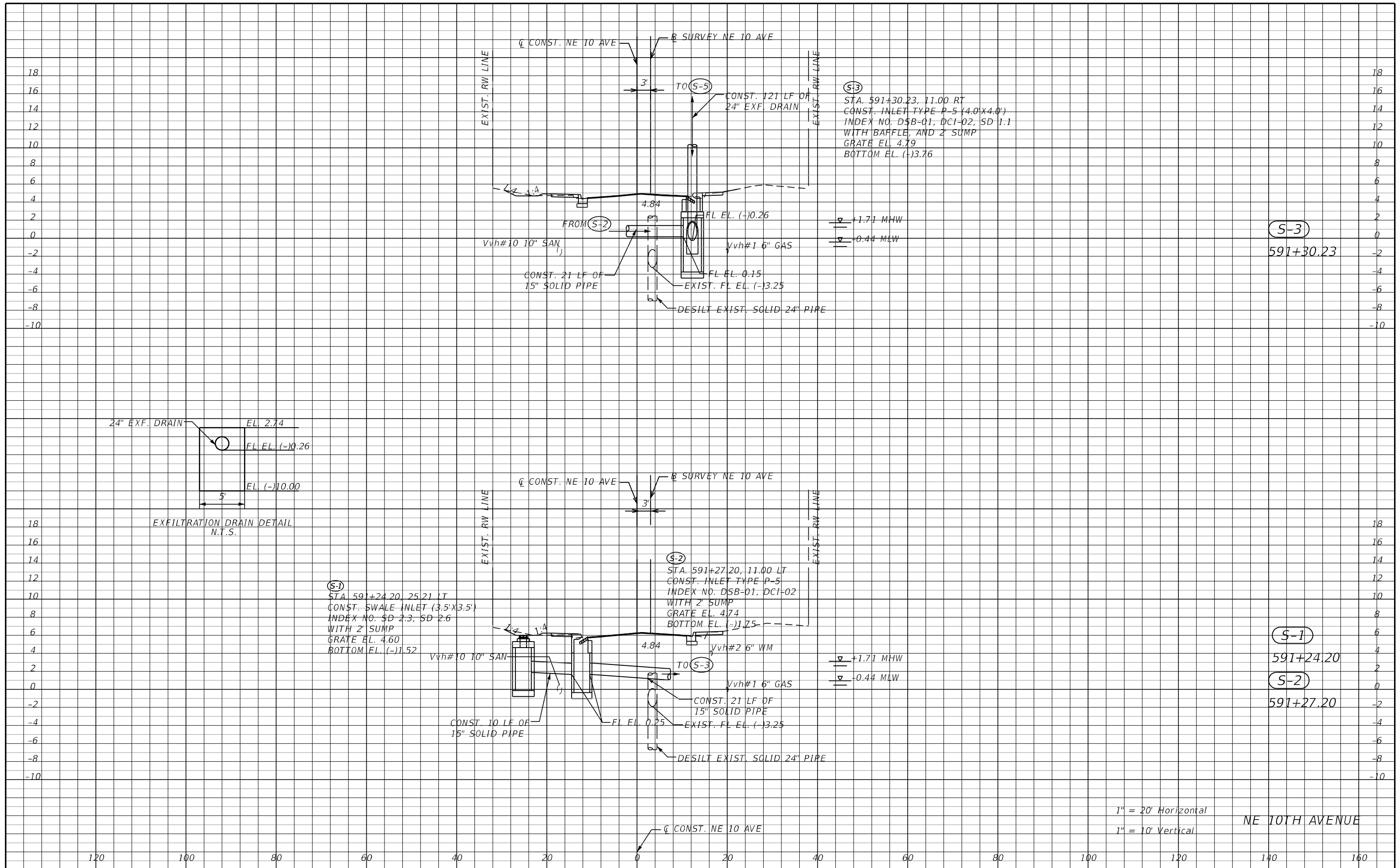
| REVISIONS | | | | ASA CONSULTANTS, INC 8935 NW 35th LANE, SUITE 200 DORAL, FL 33172 (754) 216-2027 CARLOS M. RODRIGUEZ, PE; LIC. NO. 79134 | MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT | | | ROADWAY PLAN-PROFILES | SHEET NO. | |
|-----------|-------------|--|------|--|--|--|-----------|-----------------------|------------|-----------------|
| DATE | DESCRIPTION | | DATE | | DESCRIPTION | | ROAD NO. | | COUNTY | PROJECT NUMBER |
| | | | | | | | NE 10 AVE | | MIAMI-DADE | EDP-MT-20190196 |
| | | | | | | | | | | |
| | | | | | | | | | 12 | |



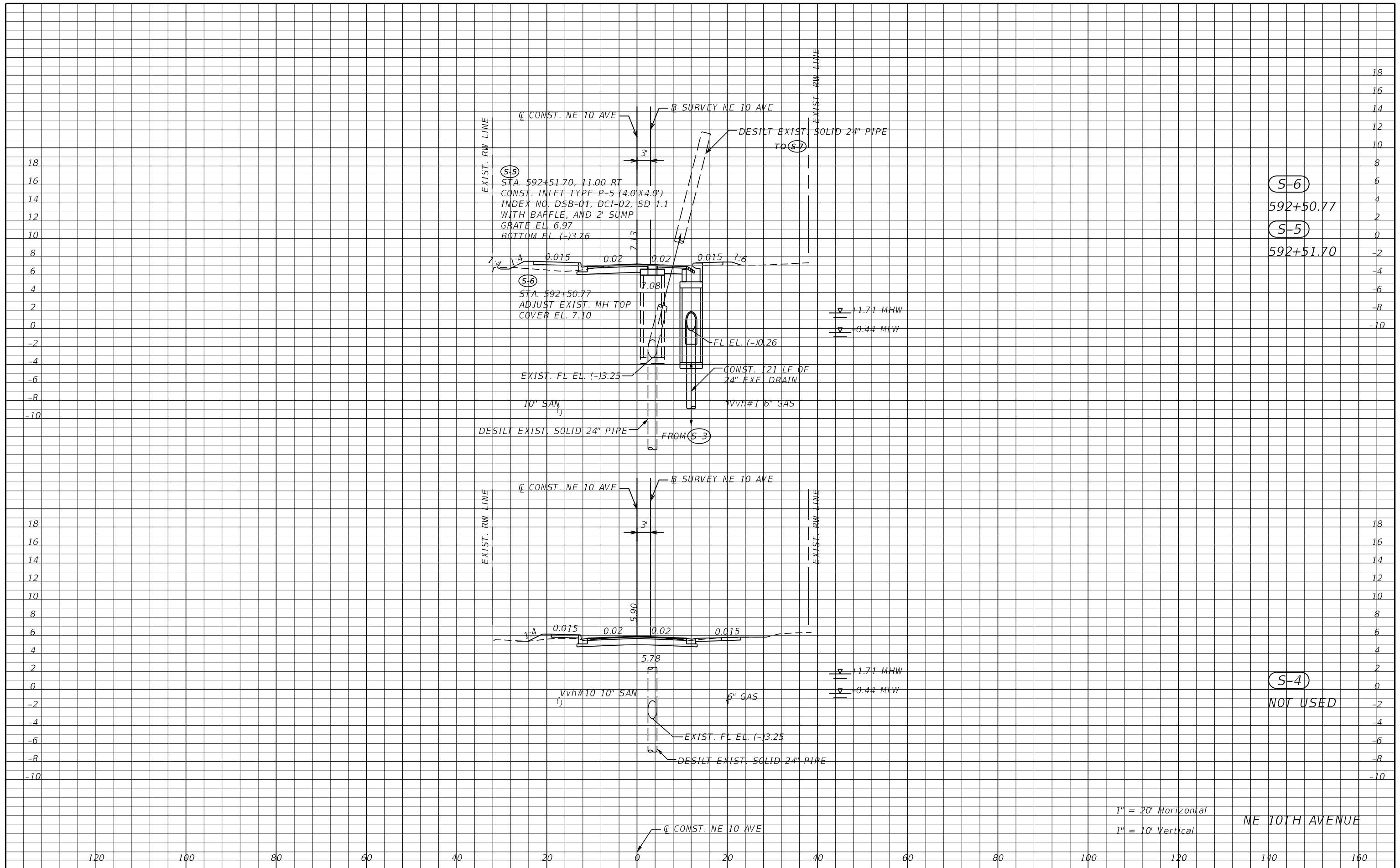
| REVISIONS | | | | ASA CONSULTANTS, INC 8935 NW 35th LANE, SUITE 200 DORAL, FL 33172 (754) 216-2027 CARLOS M. RODRIGUEZ, PE; LIC. NO. 79134 | MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT | | | ROADWAY PLAN-PROFILES | SHEET NO. |
|-----------|-------------|--|------|--|--|------------|-----------------|-----------------------|-----------|
| DATE | DESCRIPTION | | DATE | | ROAD NO. | COUNTY | PROJECT NUMBER | | |
| | | | | | NE 10 AVE | MIAMI-DADE | EDP-MT-20190196 | | 13 |



| | | | | | | | | | | |
|-----------|-------------|--|------|---|--|--|------------|-----------------|------------------------|-----------|
| REVISIONS | | | | RIBBECK ENGINEERING, INC. | | MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT | | | DRAINAGE PLAN-PROFILES | SHEET NO. |
| DATE | DESCRIPTION | | DATE | DESCRIPTION | | ROAD NO. | COUNTY | PROJECT NUMBER | | 14 |
| | | | | | | NE 10 AVE | MIAMI-DADE | EDP-MT-20190196 | | |
| | | | | CARLOS F. RIBBECK, P.E. LICENSE NO. 50543 | | | | | | |

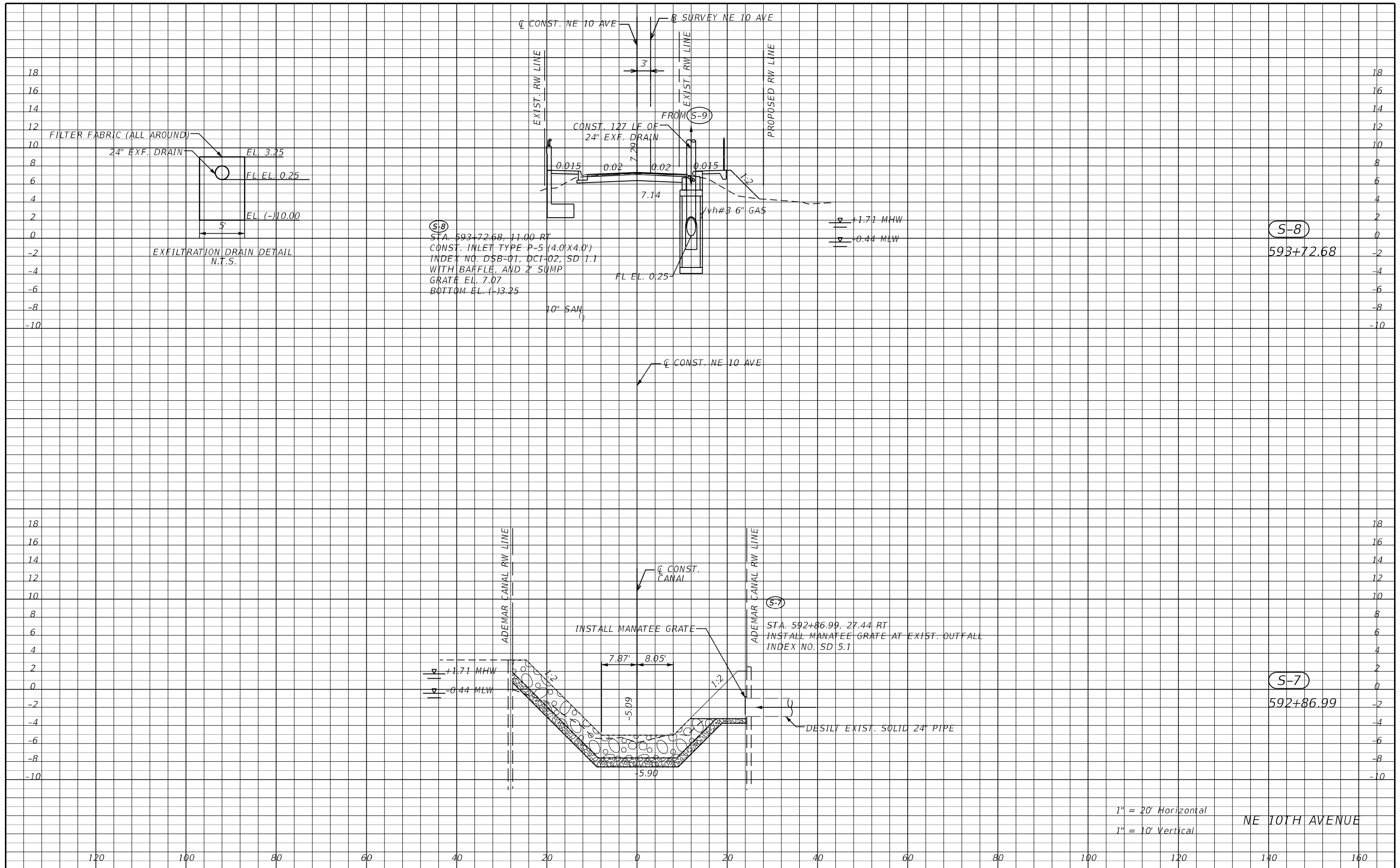


| REVISIONS | | | | RIBBECK ENGINEERING, INC. 14335 SW 120 STREET, SUITE 205 MIAMI, FLORIDA 33186 TEL. (305) 383-5909 FBPE C.A. NO. 27592 CARLOS F. RIBBECK, P.E. LICENSE NO. 50543 | MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT | | | DRAINAGE STRUCTURES | SHEET NO. 15 |
|-----------|-------------|------|-------------|--|--|------------|-----------------|---------------------|---------------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | PROJECT NUMBER | | |
| | | | | | NE 10 AVE | MIAMI-DADE | EDP-MT-20190196 | | |

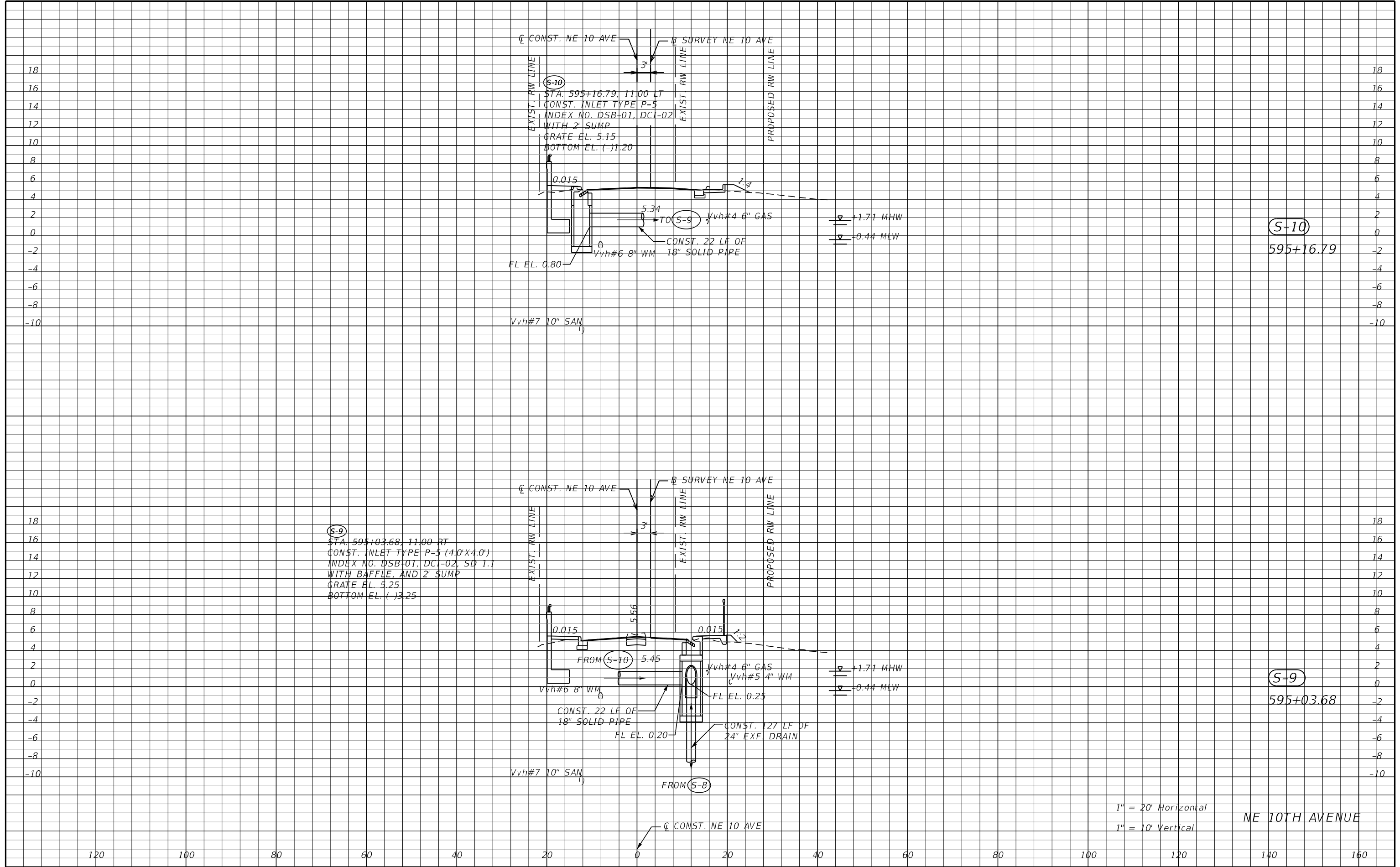


| REVISIONS | | | | RIBBECK ENGINEERING, INC. 14335 SW 120 STREET, SUITE 205 MIAMI, FLORIDA 33186 TEL. (305) 383-5909 FBPE C.A. NO. 27592 CARLOS F. RIBBECK, P.E. LICENSE NO. 50543 | MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT | | | DRAINAGE STRUCTURES | SHEET NO. 16 |
|-----------|-------------|------|-------------|--|--|------------|-----------------|---------------------|---------------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | PROJECT NUMBER | | |
| | | | | | NE 10 AVE | MIAMI-DADE | EDP-MT-20190196 | | |

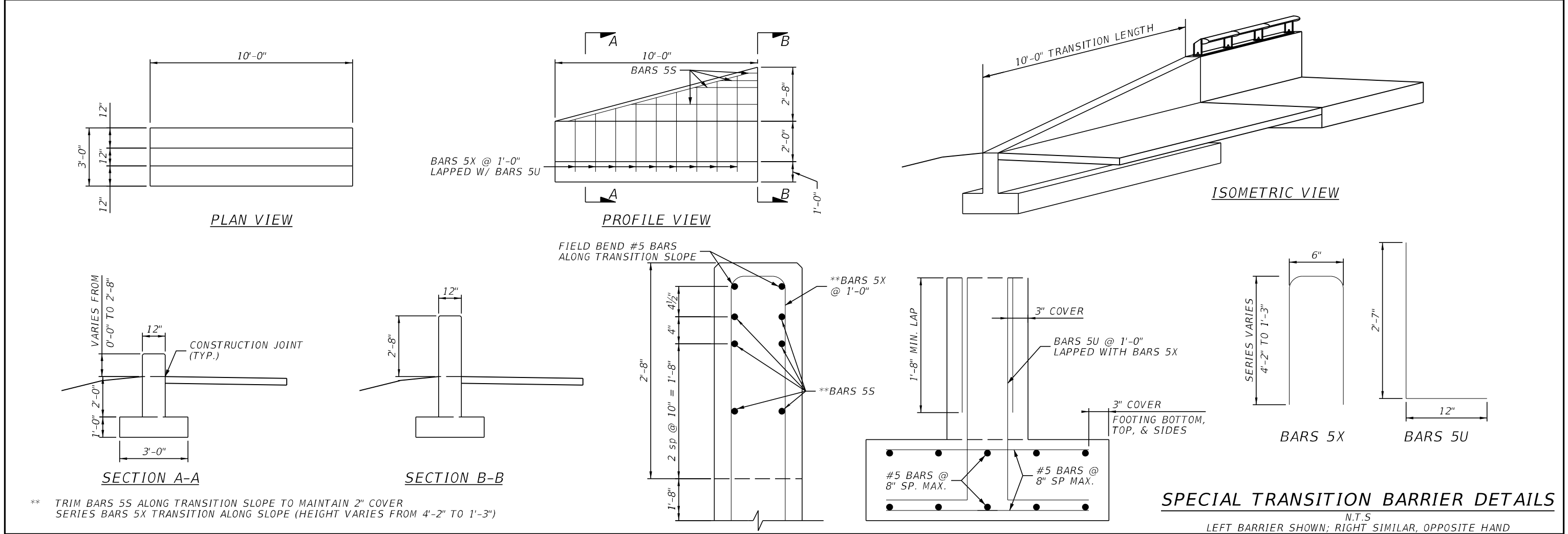
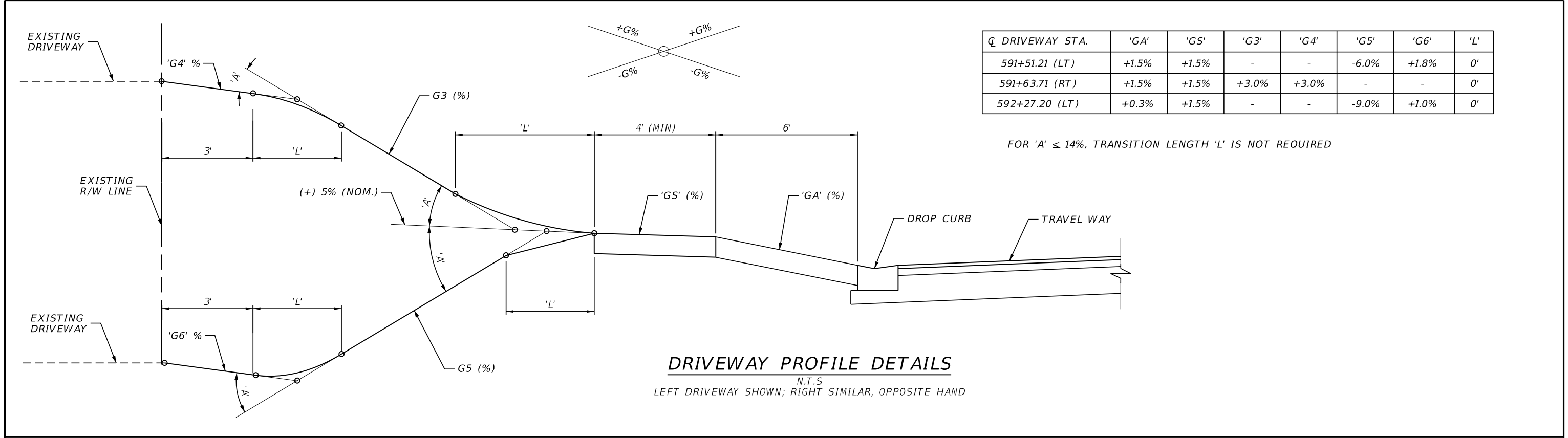
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



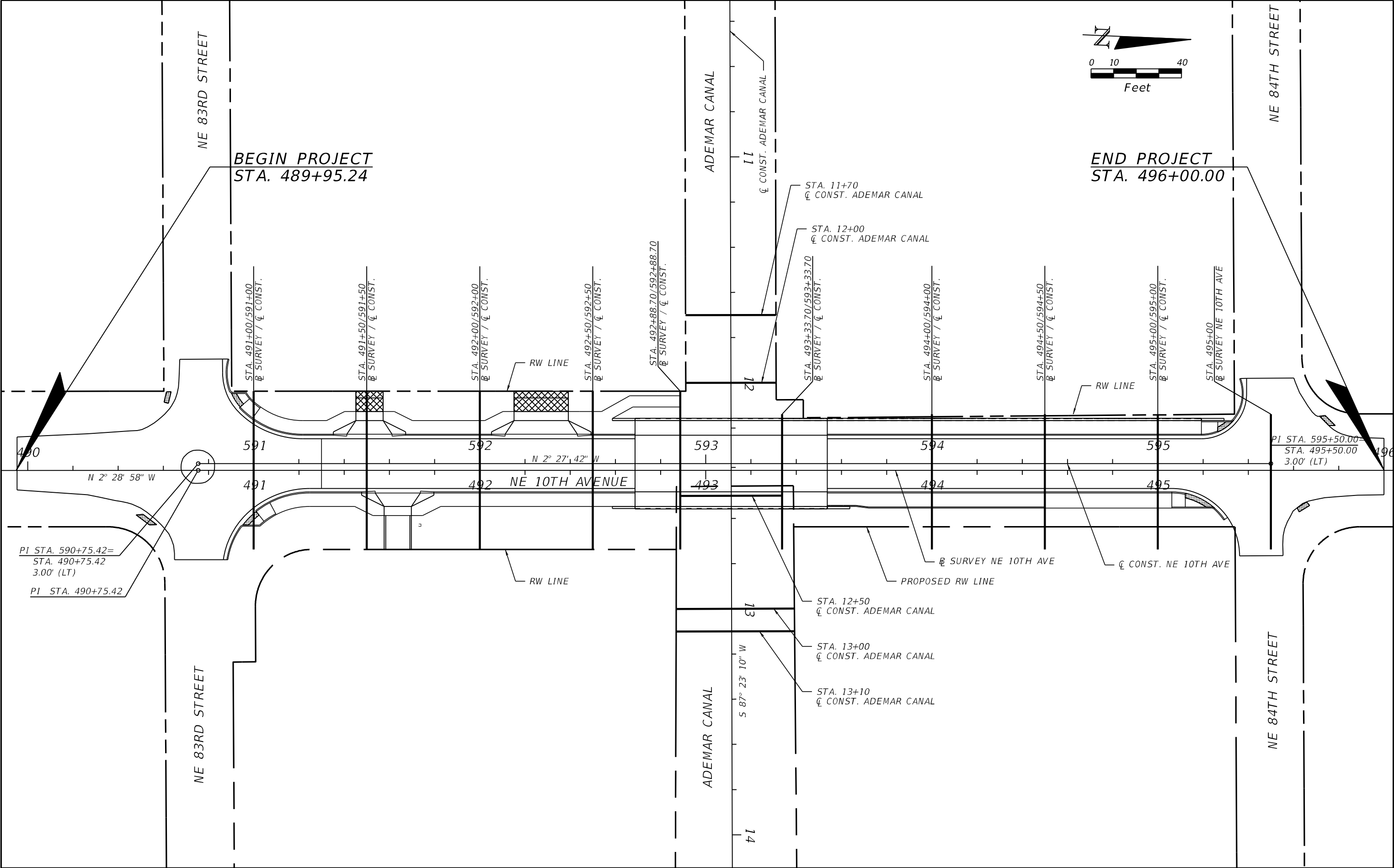
| REVISIONS | | | | RIBBECK ENGINEERING, INC. 14335 SW 120 STREET, SUITE 205 MIAMI, FLORIDA 33186 TEL. (305) 383-5909 FBPE C.A. NO. 27592 CARLOS F. RIBBECK, P.E. LICENSE NO. 50543 | MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT | | | DRAINAGE STRUCTURES | SHEET NO. 17 |
|-----------|-------------|------|-------------|--|--|------------|-----------------|---------------------|---------------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | PROJECT NUMBER | | |
| | | | | | NE 10 AVE | MIAMI-DADE | EDP-MT-20190196 | | |



| REVISIONS | | | | RIBBECK ENGINEERING, INC. 14335 SW 120 STREET, SUITE 205 MIAMI, FLORIDA 33186 TEL. (305) 383-5909 FBPE C.A. NO. 27592 CARLOS F. RIBBECK, P.E. LICENSE NO. 50543 | MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT | | | DRAINAGE STRUCTURES | SHEET NO. 18 |
|-----------|-------------|------|-------------|--|--|------------|-----------------|---------------------|---------------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | PROJECT NUMBER | | |
| | | | | | NE 10 AVE | MIAMI-DADE | EDP-MT-20190196 | | |



| REVISIONS | | | | ASA CONSULTANTS, INC. 8935 NW 35th LANE, SUITE 200 DORAL, FL 33172 (754) 216-2027 CARLOS M. RODRIGUEZ, PE; LIC. NO. 79134 | MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT | | | SPECIAL DETAILS | SHEET NO. |
|-----------|-------------|------|-------------|---|--|------------|-----------------|-----------------|-----------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | PROJECT NUMBER | | |
| | | | | | NE 10 AVE | MIAMI-DADE | EDP-MT-20190196 | | 19 |



| REVISIONS | | | | ASA CONSULTANTS, INC. 8935 NW 35th LANE, SUITE 200 DORAL, FL 33172 (754) 216-2027 CARLOS M. RODRIGUEZ, PE; LIC. NO. 79134 | MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT | | | CROSS SECTION PATTERNS | SHEET NO. |
|-----------|-------------|------|-------------|---|--|------------|-----------------|------------------------|-----------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | PROJECT NUMBER | | 20 |
| | | | | | NE 10 AVE | MIAMI-DADE | EDP-MT-20190196 | | |
| | | | | | | | | | |

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

DATE OF SURVEY: MAY,2020

SURVEY MADE BY: TIERRA SOUTH FLORIDA, INC.

SUBMITTED BY: TIERRA SOUTH FLORIDA, INC.

MIAMI -DADE

DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS

DISTRICT:

ROAD NO.: NE 10TH AVE

COUNTY: MIAMI-DADE

MIAMI-DADE PROJECT NO: EDP-MT-20190196

PROJECT NAME: NE 10 AVENUE BRIDGE 874178

OVER INLET CANAL D/W.NE 83 ST. AND 85 ST. REPLACEMENT

CROSS SECTION SOIL SURVEY FOR THE DESIGN OF ROADS

SURVEY BEGINS STA.: 490+75

SURVEY ENDS STA.: 495+40

REFERENCE: NE 10AVE.

| STRATUM NO. | ORGANIC CONTENT | | MOISTURE CONTENT | | SIEVE ANALYSIS RESULTS % PASS | | | | | | ATTERBERG LIMITS (%) | | | | DESCRIPTION | CORROSION TEST RESULTS | | | | |
|-------------|-----------------|-----------|------------------|------------|----------------------------------|---------|---------|---------|----------|----------|----------------------|--------------|---------------|--------------|---|------------------------|------------------------|-----------------|-----------------|-----|
| | NO. OF TESTS | % ORGANIC | NO. OF TESTS | % MOISTURE | NO. OF TESTS | 10 MESH | 40 MESH | 60 MESH | 100 MESH | 200 MESH | NO. OF TESTS | LIQUID LIMIT | PLASTIC INDEX | AASHTO GROUP | | NO. OF TESTS | RESISTIVITY ohms-cm | CHLORIDE ppm | SULFATES ppm | pH |
| 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | A-8 | TOPSOIL | - | - | - | - | - |
| 1A | - | - | - | - | - | - | - | - | - | - | - | - | - | - | ASPHALT | - | - | - | - | - |
| 2 | - | - | 1 | 9 | 1 | 53 | 43 | 33 | 22 | 16 | 1 | NP | NP | A-1-b | LIGHT BROWN SANDY LIMEROCK (FILL) | - | - | - | - | - |
| 3 | 1 | 2.3 | 1 | 33 | 1 | 100 | 84 | 51 | 17 | 1 | - | - | - | A-3 | BROWN TO DARK BROWN SAND TO SLIGHTLY SILTY SAND OCCASSIONALLY TRACE LIMEROCK / LIMESTONE | - | - | - | - | - |
| 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | A-2-4 | LIGHT BROWN SILTY LIMEROCK (FILL) | - | - | - | - | - |
| 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | LIGHT BROWN SANDY LIMESTONE | - | - | - | - | - |
| | | | | | | | | | | | | | | | WATER SAMPLE (FROM INLET CANAL) | 1 | 80 | 2500 | 1260 | 7.8 |

EMBANKMENT AND SUBGRADE MATERIAL

STRATA BOUNDARIES ARE APPROXIMATE. MAKE FINAL CHECK AFTER GRADING.

▽ - WATER TABLE ENCOUNTERED

GNE - GROUNDWATER NOT ENCOUNTERED

NP- NON PLASTIC

1. STRATA BOUNDARIES ARE APPROXIMATE AND REPRESENT SOIL STRATA AT EACH BORING LOCATION ONLY. ANY SUBSOIL CONNECTING LINES SHOWN ARE FOR ESTIMATING EARTHWORK ONLY AND DO NOT INDICATE ACTUAL STRATUM LIMITS. SUBSURFACE VARIATIONS BETWEEN BORING SHOULD BE ANTICIPATED AS INDICATED IN STANTRARD SPECIFIFCATIONS SECTION 2-4. FOR FURTHER DETAILS SEE SECTION 120-3.

2. GROUNDWATER LEVEL SHOWN AS (≡) WHERE ENCOUNTERED, GROUNDWATER NOT ENCOUNTERED SHOWN AS "GNE".

3. THE SYMBOL "-" REPRESENTS AN UNMEASURED PARAMETER.

4. STRATA 1 AND 1A CONSISTS OF TOPSOIL / ASPHALT AND SHOULD BE STRIPPED FROM THE PROPOSED WIDENING AND NEW PAVEMENT AREAS IN ACCORDANCE WITH STANDARD SPECIFICATIONS SECTION 110-CLEARING AND GRUBBING.

5. STRATA 2 AND 3 CONSISTS OF SELECT MATERIAL (A-1-b / A-3). THESE MATERIALS APPEARS TO BE SUITABLE TO USE IN SUBGRADE AND ENBANKMENT AND SHOULD BE UTILIZED ACCORDING TO INDEX 120-001 OF STANDARD PLANS FOR ROADWAY CONSTRCUTION.

6. STRATUM 4 CONSISTS OF SELECT MATERIAL (A-2-4). THIS MATERIAL CAN BE USED IN SUBGRADE AND EMBANKMENT AND SHOULD BE UTILIZED ACCORDING TO INDEX 120-001 OF STANDARD PLAN FOR ROADWAY CONSTRUCTION. HOWEVER, THIS MATERIAL IS LIKELY TO RETAIN EXCESS MOISTURE AND MAY BE DIFFICULT TO DRY AND COMPACT. HENCE, THIS MATERIAL SHOULD BE USED IN THE EMBANKMENT ABOVE THE WATER LEVEL EXISTING AT THE TIME OF CONSTRUCTION.

7. STRATUM 5 CONSISTS OF LIMESTONE. THIS MATERIAL CAN BE USED AS SELECT MATERIAL AS LONG AS THE GRADATION SATISFIES THE FDOT STANDARD SPECIFICATION REQUIREMENTS. LIMESTONE IS ANTICIPATEDTO BE HARD AND DIFFICULT TO EXCAVATE. ADDITIONALLY, LIMESTONE MAY BE POROUS AND DIFFICULT TO DEWATER.

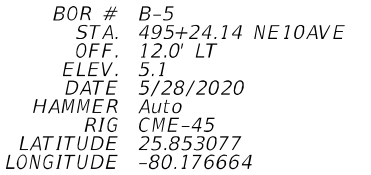
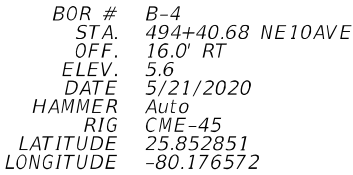
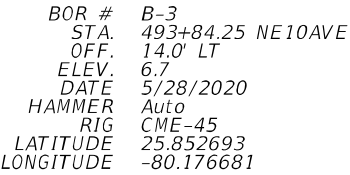
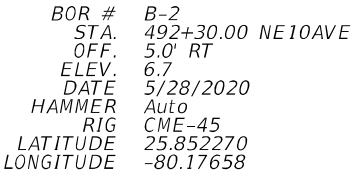
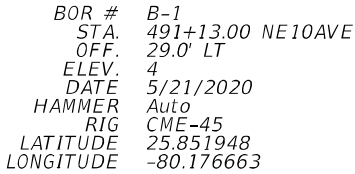
| REVISIONS | | | | RAMAKUMAR VEDULA, P.E. P.E. LICENSE NUMBER 54873 TIERRA SOUTH FLORIDA, INC. 2765 VISTA PARKWAY, S-10 WEST PALM BEACH, FL 33411 | MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT | | | ROADWAY SOIL SURVEY | SHEET NO. |
|-----------|-------------|------|-------------|--|--|------------|-----------------|---------------------|-----------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | PROJECT NUMBER | | |
| | | | | | NE 10 AVE | MIAMI-DADE | EDP-MT-20190196 | | |
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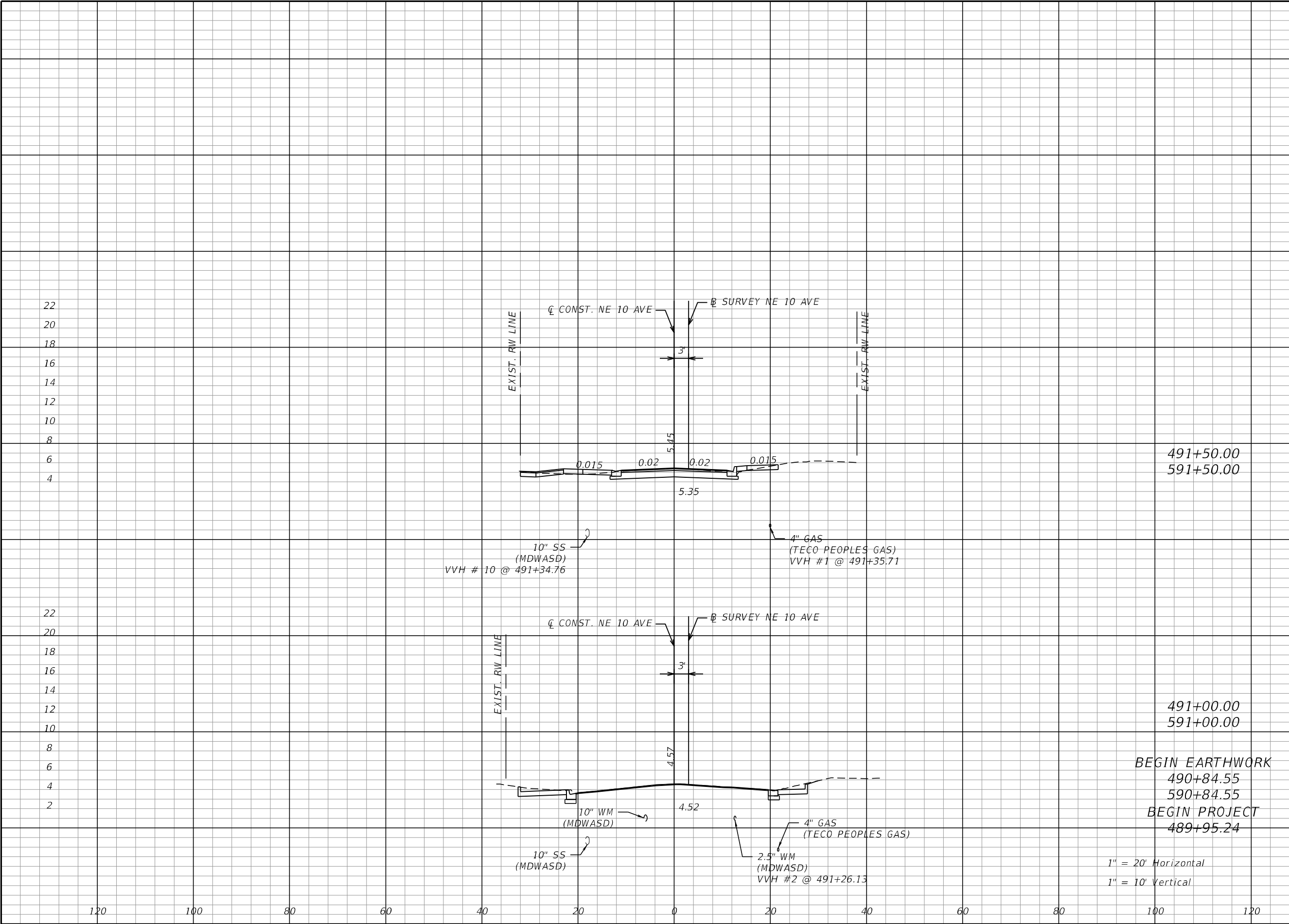
rburgess

2/3/2025 10:41:36 AM Default

H:\Miami-Dade County(EDP)\NE 10 Ave Bridge Replacement\03 CADD\EDP-MT-20190196\geotech\SSUVRD01.dgn

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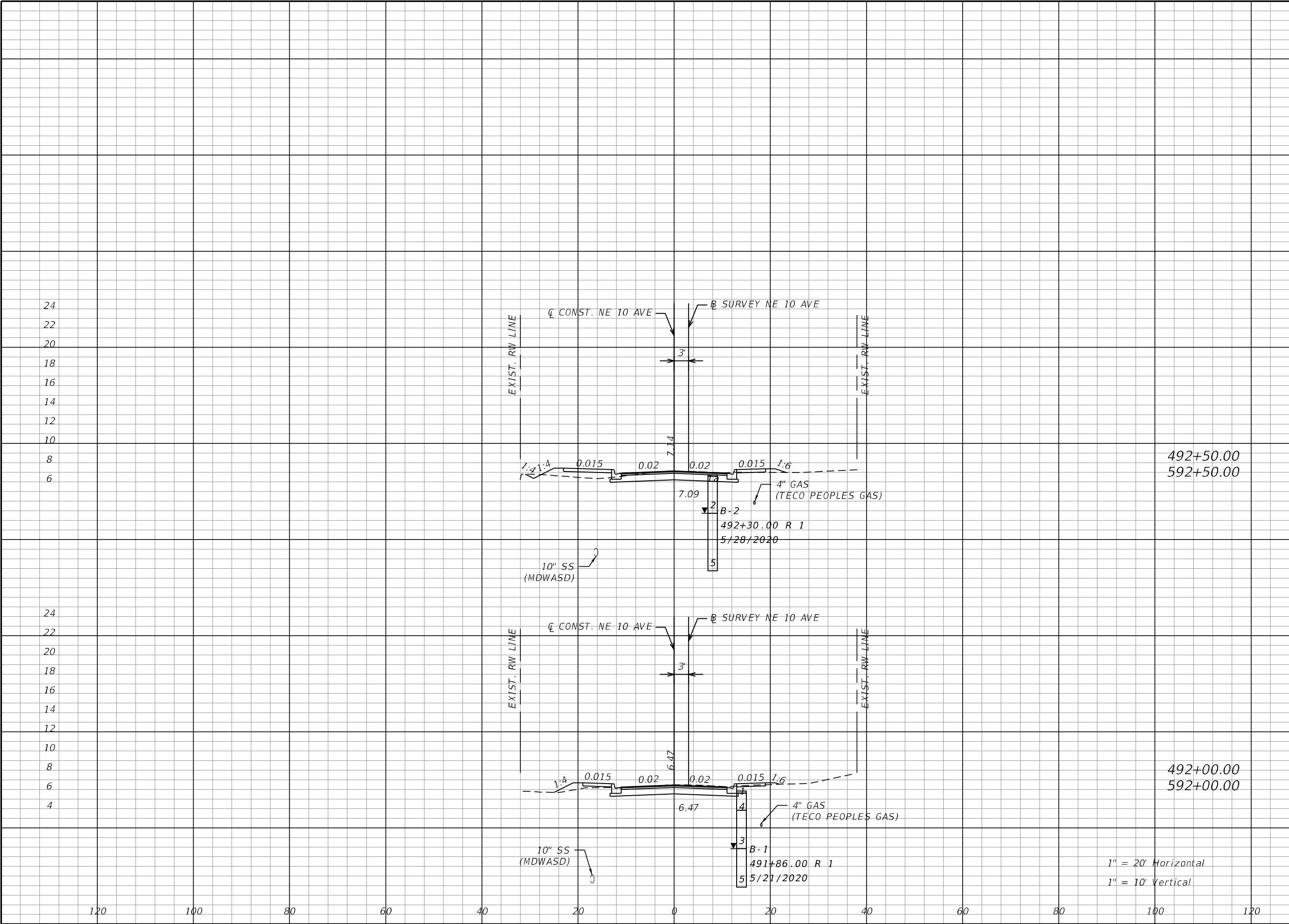


| Regular | | Exc. | Embankment | |
|---------|---|------|------------|-----|
| A | | V | A | V |
| 26.9 | 491+50.00 591+50.00 | 52.8 | 0.3 | 0.4 |
| | | | | |
| 16.7 | 491+00.00 591+00.00 BEGIN EARTHWORK 490+84.55 590+84.55 BEGIN PROJECT 489+95.24 | 0.0 | 0.0 | 0.0 |
| | | | | |

1" = 20' Horizontal
1" = 10' Vertical

| REVISIONS | | | | MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT | | | SHEET NO. |
|-----------|-------------|------|-------------|--|------------|-----------------|-----------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | | | |
| | | | | ROAD NO. | COUNTY | PROJECT NUMBER | 23 |
| | | | | NE 10 AVE | MIAMI-DADE | EDP-MT-20190196 | |

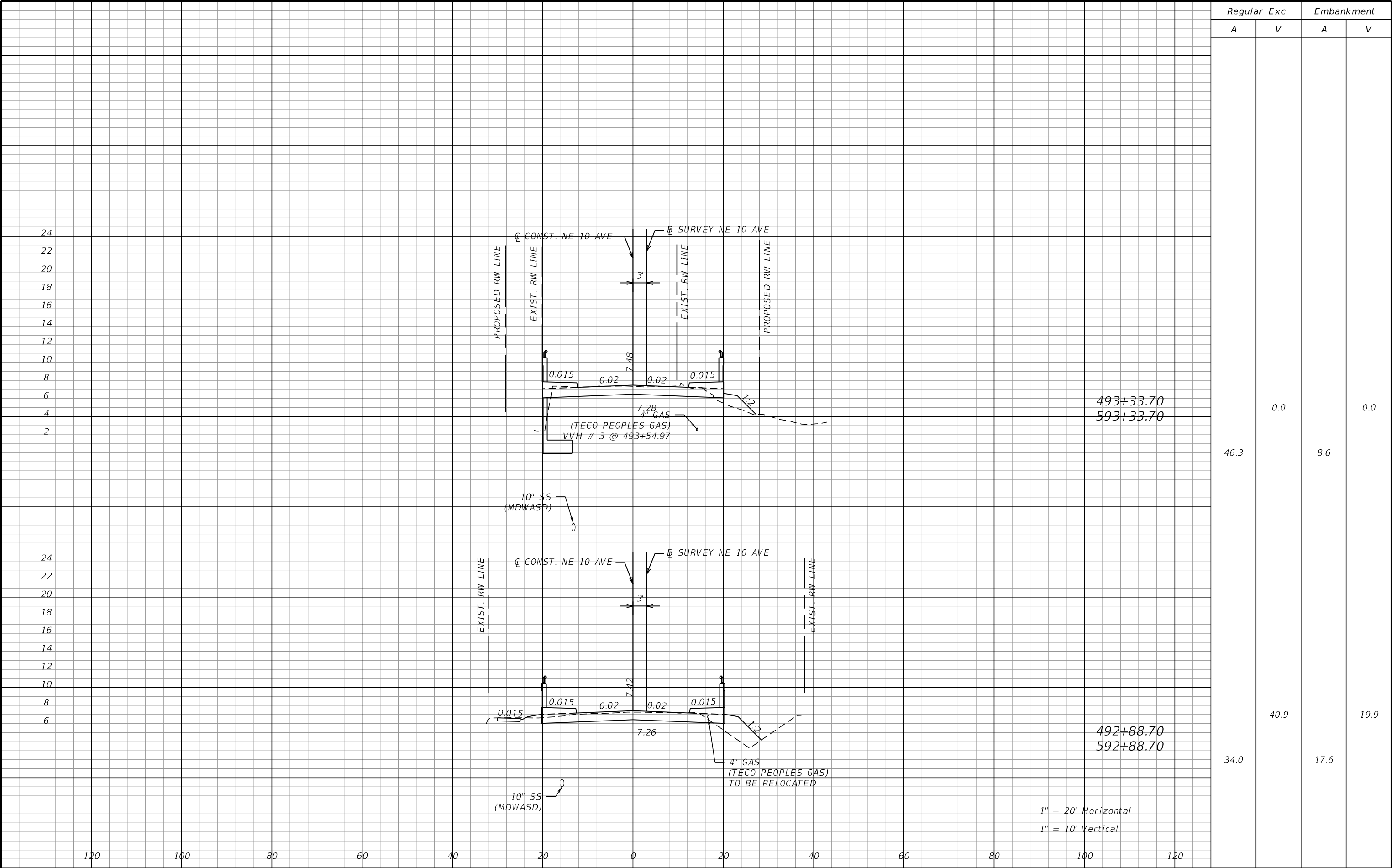
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



| Regular | | Exc. | Embankment | |
|---------|------|------|------------|---|
| A | | V | A | V |
| 23.0 | 44.4 | 10.1 | 13.2 | |
| | | | | |
| 25.0 | 48.1 | 4.2 | 4.2 | |
| | | | | |

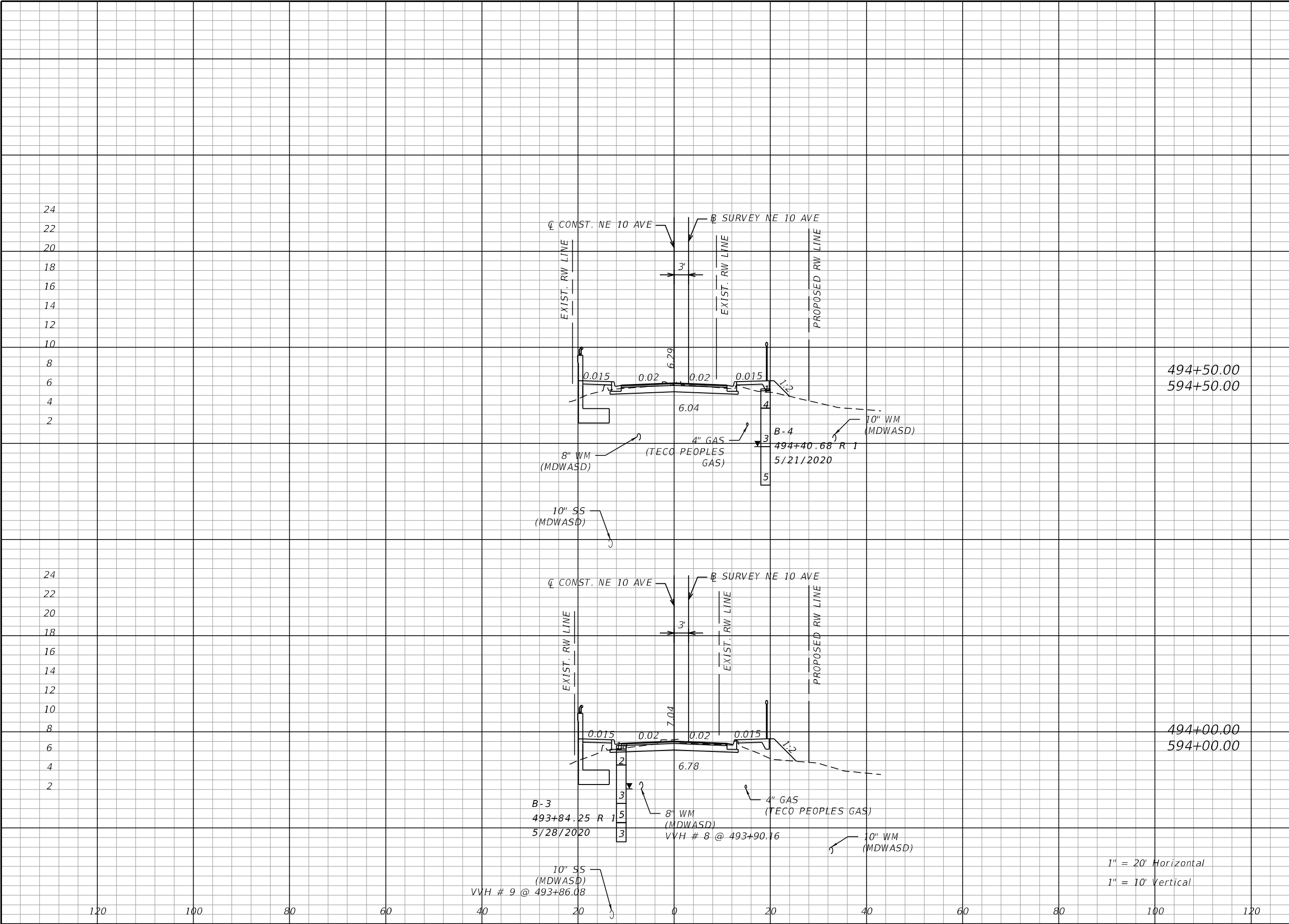
| REVISIONS | | | | ASA CONSULTANTS, INC 8935 NW 35th LANE, SUITE 200 DORAL, FL 33172 (754) 216-2027 CARLOS M. RODRIGUEZ, PE; LIC. NO. 79134 | MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT | | | CROSS SECTIONS | SHEET NO. |
|-----------|-------------|------|-------------|--|--|------------|-----------------|----------------|-----------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | PROJECT NUMBER | | 24 |
| | | | | | NE 10 AVE | MIAMI-DADE | EDP-MT-20190196 | | |
| | | | | | | | | | |

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



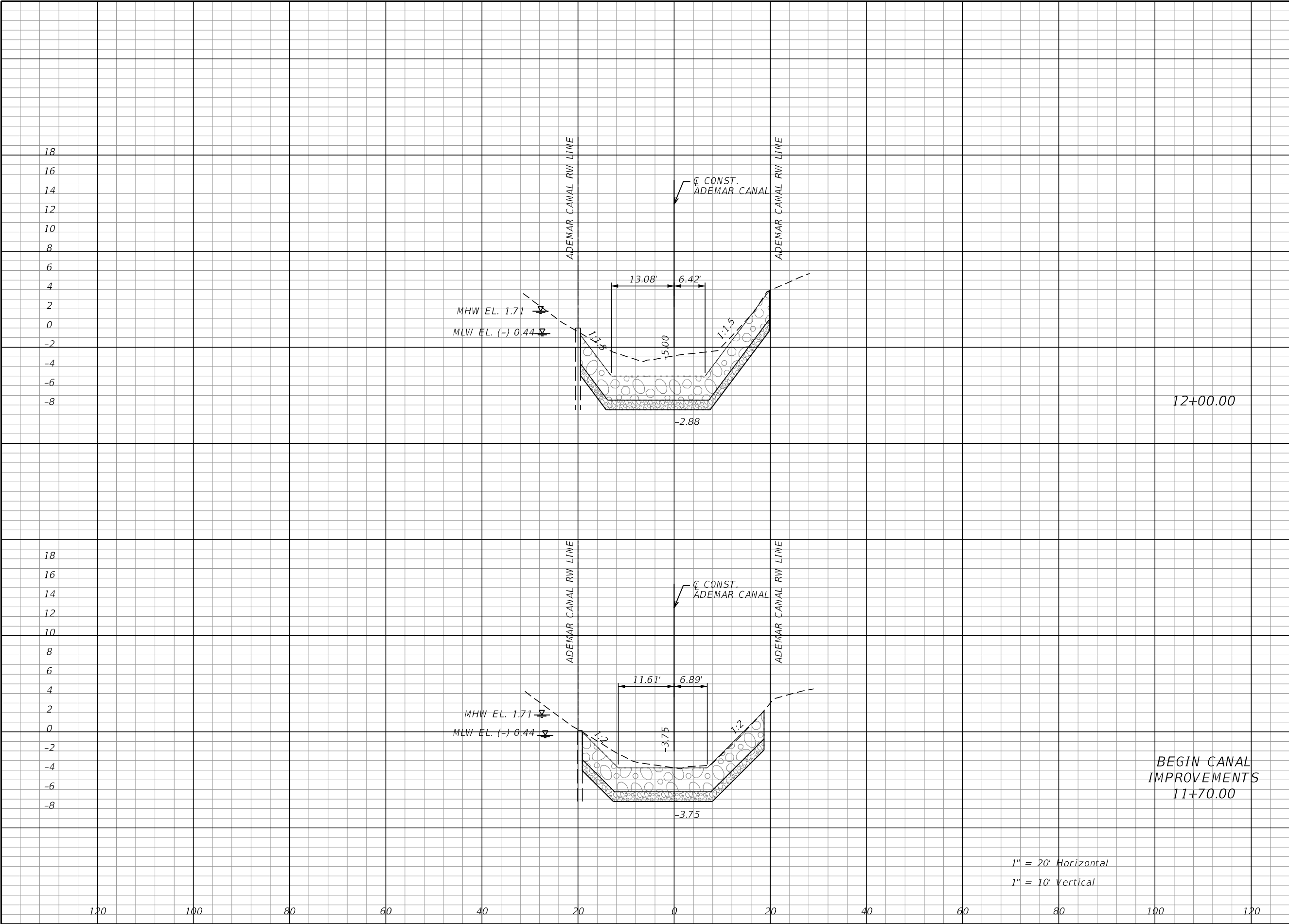
| REVISIONS | | | | ASA CONSULTANTS, INC 8935 NW 35th LANE, SUITE 200 DORAL, FL 33172 (754) 216-2027 CARLOS M. RODRIGUEZ, PE; LIC. NO. 79134 | MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT | | | CROSS SECTIONS | SHEET NO. |
|-----------|-------------|------|-------------|--|--|------------|-----------------|----------------|-----------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | PROJECT NUMBER | | |
| | | | | | NE 10 AVE | MIAMI-DADE | EDP-MT-20190196 | | 25 |

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



| REVISIONS | | | | ASA CONSULTANTS, INC 8935 NW 35th LANE, SUITE 200 DORAL, FL 33172 (754) 216-2027 CARLOS M. RODRIGUEZ, PE; LIC. NO. 79134 | MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT | | | CROSS SECTIONS | | SHEET NO. |
|-----------|-------------|------|-------------|--|--|------------|-----------------|----------------|--|-----------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | PROJECT NUMBER | | | |
| | | | | | NE 10 AVE | MIAMI-DADE | EDP-MT-20190196 | | | 26 |

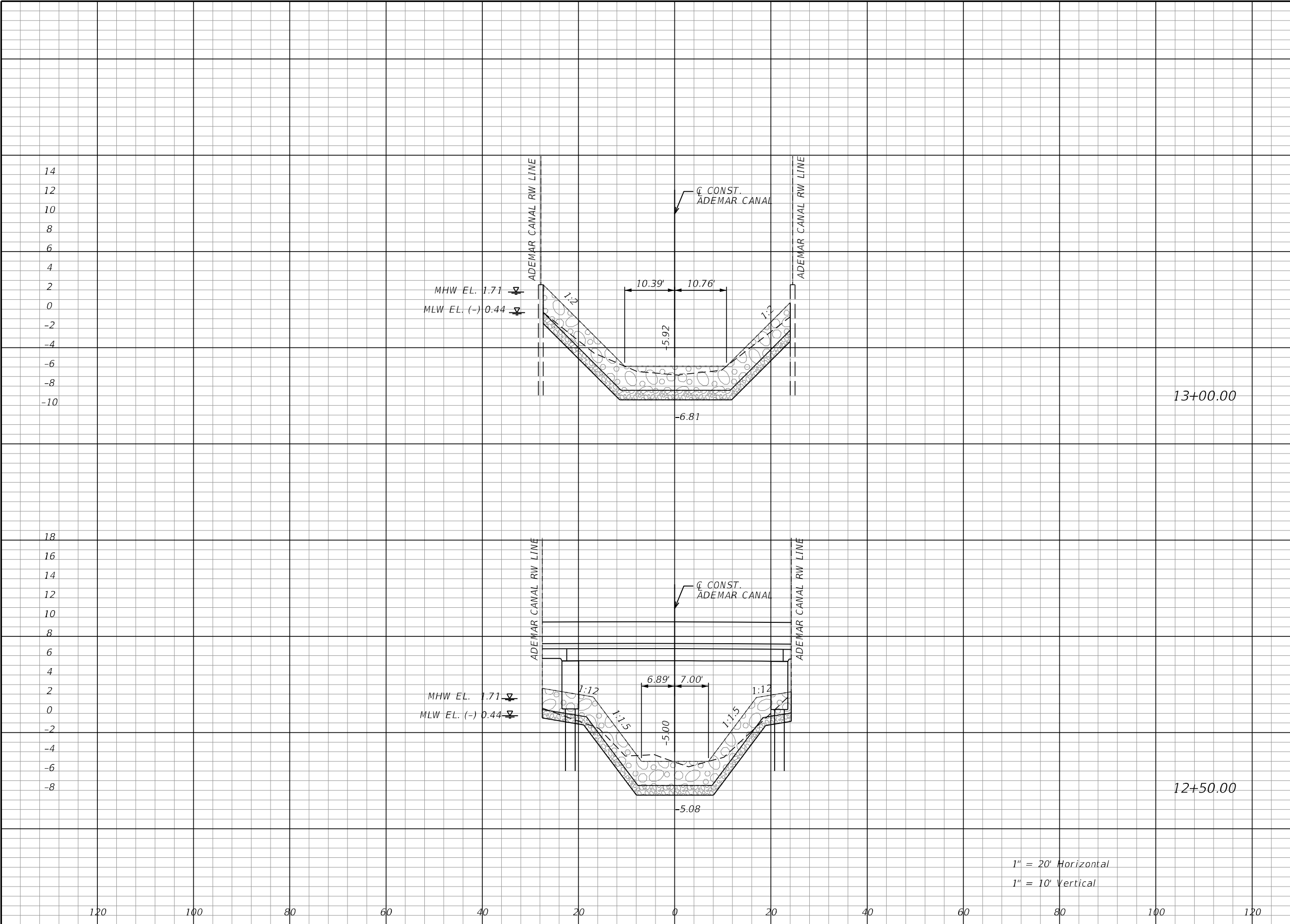
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



| Channel Exc. | | Embankment | |
|--------------|-------|------------|-----|
| A | V | A | V |
| 207.1 | 200.0 | 0.0 | 0.0 |
| | | | |
| 152.9 | 0.0 | 0.0 | 0.0 |
| | | | |

| REVISIONS | | | | ASA CONSULTANTS, INC 8935 NW 35th LANE, SUITE 200 DORAL, FL 33172 (754) 216-2027 CARLOS M. RODRIGUEZ, PE; LIC. NO. 79134 | MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT | | | CROSS SECTIONS | SHEET NO. |
|-----------|-------------|------|-------------|--|--|------------|-----------------|----------------|-----------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | PROJECT NUMBER | | 28 |
| | | | | | NE 10 AVE | MIAMI-DADE | EDP-MT-20190196 | | |
| | | | | | | | | | |

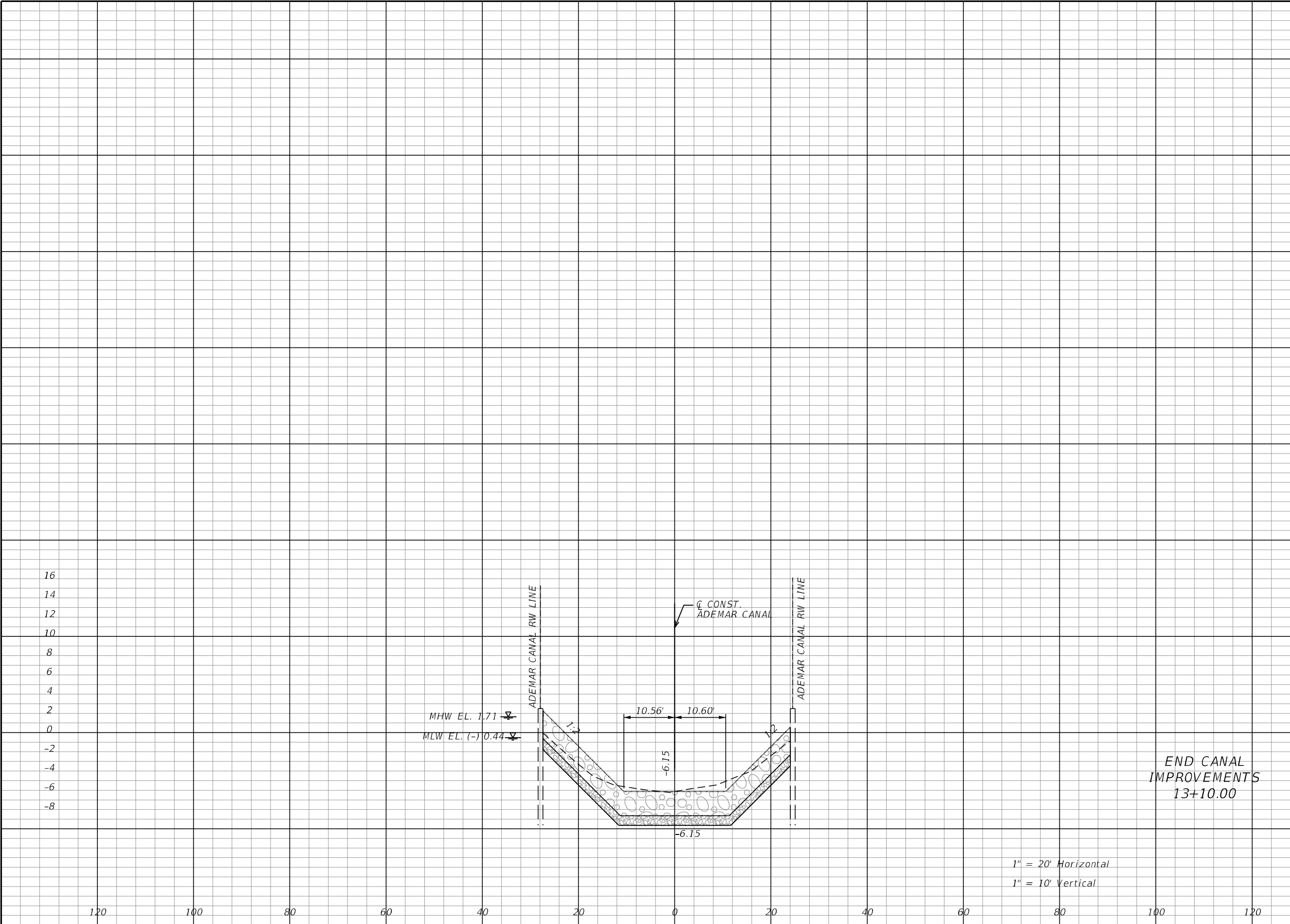
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| Channel Exc. | | Embankment | |
|--------------|-------|------------|-----|
| A | V | A | V |
| 141.2 | 238.0 | 0.0 | 0.0 |
| 115.8 | 299.0 | 0.0 | 0.0 |

| REVISIONS | | | | ASA CONSULTANTS, INC 8935 NW 35th LANE, SUITE 200 DORAL, FL 33172 (754) 216-2027 CARLOS M. RODRIGUEZ, PE; LIC. NO. 79134 | MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT | | | CROSS SECTIONS | SHEET NO. |
|-----------|-------------|------|-------------|--|--|------------|-----------------|----------------|-----------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | PROJECT NUMBER | | 29 |
| | | | | | NE 10 AVE | MIAMI-DADE | EDP-MT-20190196 | | |
| | | | | | | | | | |

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



| Channel Exc. | | Embankment | |
|--------------|------|------------|-----|
| A | V | A | V |
| 171.0 | 57.8 | 0.0 | 0.0 |

| REVISIONS | | | | ASA CONSULTANTS, INC 8935 NW 35th LANE, SUITE 200 DORAL, FL 33172 (754) 216-2027 CARLOS M. RODRIGUEZ, PE; LIC. NO. 79134 | MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT | | | CROSS SECTIONS | SHEET NO. | |
|-----------|-------------|--|------|--|--|--|-----------|----------------|------------|-----------------|
| DATE | DESCRIPTION | | DATE | | DESCRIPTION | | ROAD NO. | | COUNTY | PROJECT NUMBER |
| | | | | | | | NE 10 AVE | | MIAMI-DADE | EDP-MT-20190196 |
| | | | | | | | | | 30 | |

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

STORMWATER POLLUTION PREVENTION PLAN

NARRATIVE DESCRIPTION

THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) NARRATIVE DESCRIPTION CONTAINS REFERENCES TO THE CONTRACT DOCUMENTS, THE FDOT DESIGN STANDARDS, AND OTHER SHEETS OF THESE CONSTRUCTION PLANS. THE COMPLETE STORMWATER POLLUTION PREVENTION PLAN IS COMPRISED OF SEVERAL ITEMS INCLUDING: THIS NARRATIVE DESCRIPTION, THE REFERENCED IN THIS NARRATIVE, THE CONTRACTOR'S APPROVED EROSION CONTROL PLAN (ECP) PREPARED AND SUBMITTED IN ACCORDANCE WITH SECTION 104 OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AS MODIFIED BY THE CONTRACT DOCUMENTS, AND REPORTS OF INSPECTIONS MADE DURING CONSTRUCTION.

1. SITE DESCRIPTION
- A. NATURE OF RE--CONSTRUCTION ACTIVITIES TO NE 10TH AVENUE FROM NE 83RD STREET TO NE 84TH STREET INCLUDING A NEW DRAINAGE SYSTEM.

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) DRAINAGE INSTALLATION

3) FINAL GRADING AND LANDSCAPING WHERE NECESSARY.

C. AREA ESTIMATES (ACRE)

1) TOTAL SITE AREA: 0.45 ACRES

2) TOTAL AREA OF THE SITE THAT IS EXPECTED TO BE DISTURBED: 0.92 ACRES

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: 0.95

B) DURING: VARIES

C) AFTER CONSTRUCTION: 0.95

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 UDORTHENTS WATER COMPLEX (9) BY 60.4% OF AREA OF INTEREST, DANIA MUCK, FREQUENTLY PONDED, 0 TO 1 PERCENT SLOPES (14) BY 25.3% OF AREA OF INTEREST AND HALLANDALE FINE SAND, 0 TO 2 PERCENT SLOPES (34) BY 14.3% OF AREA OF INTEREST.

3) THE SIZE OF THE DRAINAGE AREA IS 0.53 ACRES OVERFLOWING INTO AN EXISTING CANAL LOCATED ON NE 10TH AVENUE (ADEMAR CANAL).

4) THE PROPOSED PROJECT IS SELF CONTAINED AND HAS NO OVERFLOW TO THE ADJACENT CANAL. HOWEVER, ONE OUTFALL PIPE LOCATED ON THE SOUTH EAST CORNER OF THE PROPOSED BRIDGE WILL BE RETROFITTED WITH MANATEE GRATE.

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 AND CROSS SECTIONS 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 AND CROSS SECTION 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 OFF-SITE 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)

1) THE PROPOSED PROJECT IS SELF CONTAINED.
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 ROCK BAGS 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.

. SILT FENCE SHALL BE INSTALLED AND AT THE TOE OF SLOPE OF EMBANKMENTS PER FDOT DESIGN INDEX 102 AND AT LOCATIONS AS DESCRIBED IN THE EROSION AND SEDIMENT CONTROL DETAILS.

. SEDIMENT FILTERS SHALL BE FOR ALL EXISTING INLETS SUBJECT TO SEDIMENT RUNOFF IF APPLICABLE.

. FLOATING OR STAKED TURBIDITY BARRIERS SHALL BE USED IN THE SHORE CREST CANAL AS AN EXTRA MEASURE OF PROTECTION. THESE DEVICES SHALL NOT SUBSTITUTE FOR UNPLAND CONTROL DEVICES.

. 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, RIP--RAP BOULDERS AND SAND CEMENT BAGS.

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.
354. SYSTEMS.
- 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 OFF-SITE 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 FDOT DESIGN STANDARD 106.

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

1) FDEP GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES.

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. SILT FENCE--TWELVE (12) MONTHS, OR AS REQUIRED, REPLACEMENT INTERVAL IN ACCORDANCE WITH CONTRACT'S SPECIFICATIONS.

B. TURBIDITY BARRIER--AS REQUIRED. REPLACE WHEN DAMAGE TO CURTAIN RENDERS IT INEFFECTIVE (I.E. TORN, UNREPAIRABLE).

C. SEDIMENT FILTERS AT INLETS--CHECK AGGREGATE AFTER RAINFALL EVENTS. CLEAN AGGREGATE 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.
675. C. THE CONTRACTOR SHALL INITIATE REPAIRS WITHIN 24 HOURS OF INSPECTIONS THAT INDICATE ITEMS ARE NOT IN GOOD WORKING ORDER.
676. 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 DEPARTMENT OF ENVIRONMENTAL RESOURCES (DERM) 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.
- STANDARD MANATEE AND MARINE TURTLE CONSTRUCTION CONDITIONS FOR IN-WATER WORK
- THE PERMITTEE SHALL COMPLY WITH THE FOLLOWING CONDITIONS INTENDED TO PROTECT MANATEES AND MARINE TURTLES FROM DIRECT PROJECT EFFECTS:
- A. ALL PERSONNEL ASSOCIATED WITH THE PROJECT SHALL BE INSTRUCTED ABOUT THE PRESENCE OF MARINE TURTLES, MANATEES AND MANATEE SPEED ZONES, AND THE NEED TO AVOID COLLISIONS WITH (AND INJURY TO) THESE PROTECTED MARINE SPECIES. THE PERMITTEE SHALL ADVISE ALL CONSTRUCTION PERSONNEL THAT THERE ARE CIVIL AND CRIMINAL PENALTIES FOR HARMING, HARASSING, OR KILLING MANATEES WHICH ARE PROTECTED UNDER THE MARINE MAMMAL PROTECTION ACT, THE ENDANGERED SPECIES ACT, AND THE FLORIDA MANATEE SANCTUARY ACT.

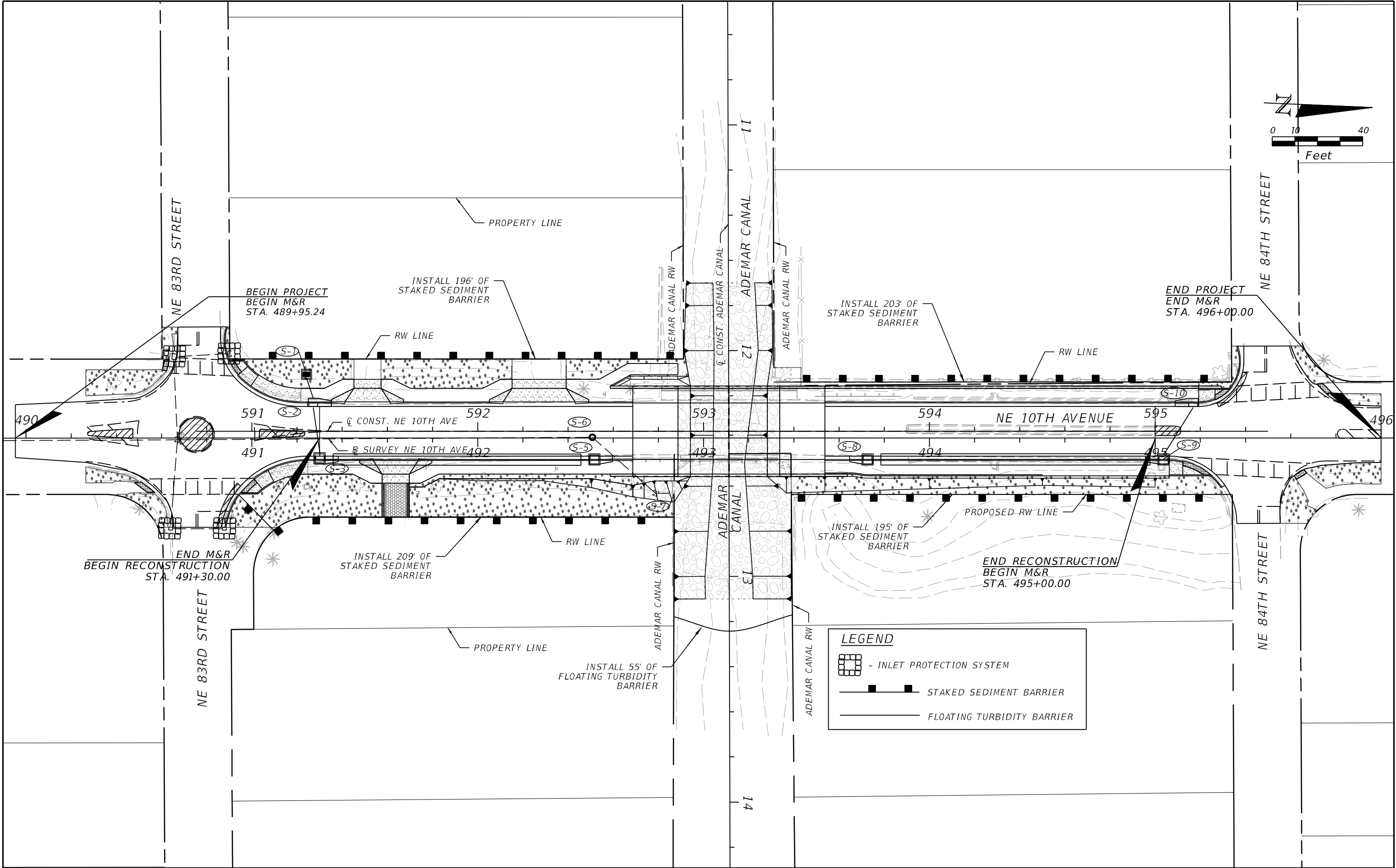
B. ALL VESSELS ASSOCIATED WITH THE CONSTRUCTION PROJECT SHALL OPERATE AT "IDLE SPEED/NO WAKE"AT ALL TIMES WHILE IN THE IMMEDIATE AREA AND WHILE IN WATER WHERE THE DRAFT OF THE VESSEL PROVIDES LESS THAN A FOUR-FOOT CLEARANCE FROM THE BOTTOM. ALL VESSELS WILL FOLLOW ROUTES OF DEEP WATER WHENEVER POSSIBLE.

C. SILTATION OR TURBIDITY BARRIERS SHALL BE MADE OF MATERIAL IN WHICH MANATEES AND MARINE TURTLES CANNOT BECOME ENTANGLED, SHALL BE PROPERLY SECURED, AND SHALL BE REGULARLY MONITORED TO AVOID MANATEE ENTANGLEMENT OR ENTRAPMENT. BARRIERS MUST NOT IMPEDE MANATEE OR MARINE TURTLE MOVEMENT.

D. ALL ON-SITE PROJECT PERSONNEL ARE RESPONSIBLE FOR OBSERVING WATER-RELATED ACTIVITIES FOR THE PRESENCE OF MARINE TURTLES AND MANATEE(S). ALL IN-WATER OPERATIONS, INCLUDING VESSELS, MUST BE SHUTDOWN IF A MARINE TURTLE OR MANATEE COMES WITHIN 50 FEET OF THE OPERATION. ACTIVITIES WILL NOT RESUME UNTIL THE ANIMAL(S) HAS MOVED BEYOND THE 50-FOOT RADIUS OF THE PROJECT OPERATION, OR UNTIL 30 MINUTES ELAPSES IF THE ANIMAL(S) HAS NOT REAPPEARED WITHIN 50 FEET OF THE OPERATION. ANIMALS MUST NOT BE HERDED AWAY OR HARASSED INTO LEAVING.

E. ANY COLLISION WITH OR INJURY TO A MARINE TURTLE OR MANATEE SHALL BE REPORTED IMMEDIATELY TO THE FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION (FWC) HOTLINE AT 1-888-404-3922, AND TO FWC AT IMPERILEDSPECIES@MYFWC.COM. COLLISION AND/OR INJURY SHOULD ALSO BE REPORTED TO THE U.S. FISH AND WILDLIFE SERVICE (FOR NORTH FLORIDA, JACKSONVILLE 1-904-731-3336 OR FOR SOUTH FLORIDA VERO BEACH 1-772-562-3909).

F. TEMPORARY SIGNS CONCERNING MANATEES SHALL BE POSTED PRIOR TO AND DURING ALL IN-WATER PROJECT ACTIVITIES. ALL SIGNS ARE TO BE REMOVED BY THE PERMITTEE UPON COMPLETION OF THE PROJECT. TEMPORARY SIGNS THAT HAVE ALREADY BEEN APPROVED FOR THIS USE BY THE FWC MUST BE USED. ONE SIGN WHICH READS CAUTION: BOATERS MUST BE POSTED. A SECOND SIGN MEASURING AT LEAST 8 1/2BY 11" EXPLAINING THE REQUIREMENTS FOR "IDLE SPEED/NO WAKE"AND THE SHUT DOWN OF IN-WATER OPERATIONS MUST BE POSTED IN A LOCATION PROMINENTLY VISIBLE TO ALL PERSONNEL ENGAGED IN WATER-RELATED ACTIVITIES. THESE SIGNS CAN BE VIEWED AT MYFWC.COM/MANATEE. QUESTIONS CONCERNING THESE SIGNS CAN BE SENT TO THE EMAIL ADDRESS LISTED ABOVE.
723. THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.
- | REVISIONS | | | | RIBBECK ENGINEERING, INC.
14335 SW 120 STREET, SUITE 205
MIAMI, FLORIDA 33186
TEL. (305) 383-5909
FBPE C.A. NO. 27592
CARLOS F. RIBBECK, P.E. LICENSE NO. 50543 | MIAMI-DADE COUNTY
PUBLIC WORKS DEPARTMENT | | | STORMWATER POLLUTION
PREVENTION PLAN | SHEET
NO. |
|-----------|-------------|------|-------------|--|--|------------|-----------------|---|--------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | PROJECT NUMBER | | |
| | | | | | NE 10 AVE | MIAMI-DADE | EDP-MT-20190196 | | |
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| REVISIONS | | | | RIBBECK ENGINEERING, INC. 14335 SW 120 STREET, SUITE 205 MIAMI, FLORIDA 33186 TEL. (305) 383-5909 FBPE C.A. NO. 27592 CARLOS F. RIBBECK, P.E. LICENSE NO. 50543 | MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT | | | STORMWATER POLLUTION PREVENTION PLAN | | SHEET NO. 32 |
|-----------|-------------|------|-------------|--|--|------------|-----------------|---|--|------------------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | PROJECT NO. | | | |
| | | | | | NE 10 AVE | MIAMI-DADE | EDP-MT-20190196 | | | |

TEMPORARY TRAFFIC CONTROL GENERAL NOTES:

- THESE TEMPORARY TRAFFIC CONTROL PLANS ARE PRELIMINARY AND ARE TO BE USED AS REFERENCE AND/OR GUIDANCE ONLY. PROVIDE THE FINAL TEMPORARY TRAFFIC CONTROL DESIGN AND OBTAIN APPROVAL FROM MIAMI-DADE COUNTY.
- PROVIDE A MINIMUM 8 WEEKS NOTICE TO FP&L FOR THE DE-ENERGIZING AND POWER RE-ROUTING OPERATIONS. SEE UTILITY ADJUSTMENT SHEETS FOR DETAILS.
- ALL WORK SHALL BE PERFORMED DURING DAYTIME ONLY FROM 8 AM TO 6 PM.
- SINGLE LANE CLOSINGS FOR PHASES III & IV SHALL OCCUR ONLY DURING NON-PEAK HOURS ON NON-EVENT DAYS/WEEKENDS. NON-PEAK HOURS ARE:

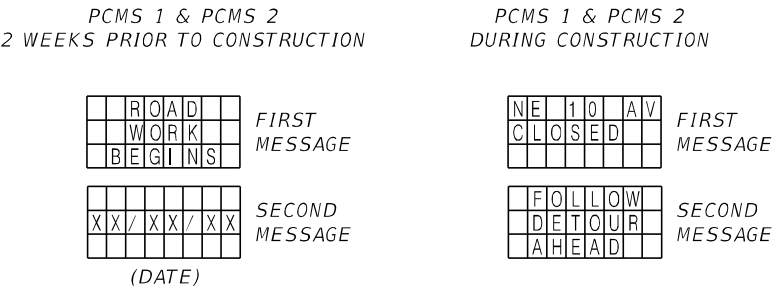
FROM 8:30AM TO 4:30PM MONDAY THROUGH FRIDAY.
- MAINTAIN EXISTING POSTED SPEEDS DURING CONSTRUCTION.

ADVANCE CONSTRUCTION NOTICE

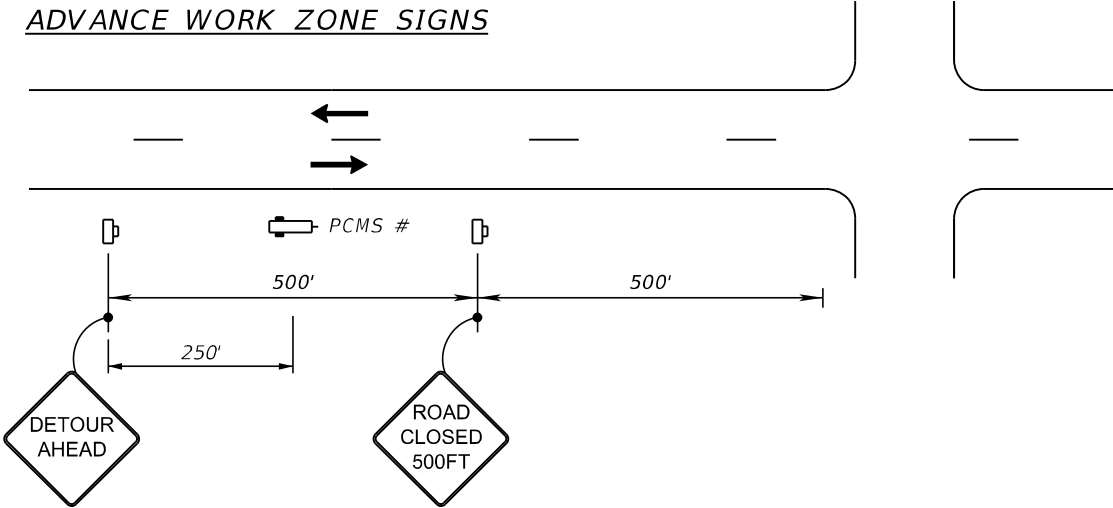
- A PORTABLE CHANGEABLE MESSAGE SIGN (PCMS) SHALL BE USED UNDER THE FOLLOWING CONDITIONS:

(I) INSTALL PCMS 1 AND 2 TWO (2) WEEKS PRIOR TO CONSTRUCTION.

(II) UPDATE MESSAGE ON PCMS 1 DURING ACTIVE WORK ZONES FOR NE 10TH AVENUE.



ADVANCE WORK ZONE SIGNS



PHASING NOTES

PHASE I

THE INTENT OF THIS PHASE IS TO REMOVE TRAFFIC CIRCLE AT NE 83 ST ALONG WITH THE SPLITTER ISLANDS AT THE INTERSECTION IN PREPARTION FOR THE IMPLEMENTATION OF THE DETOUR NEEDED FOR PHASE II. THIS DETOUR FOR THIS PHASE WILL BE IN PLACE FOR A MAXIMUM DURATION OF 15 DAYS.

- PLACE SIGNS, BARRICADES AND OTHER TRAFFIC CONTROL DEVICES TO MAINTAIN TRAFFIC IN ACCORDANCE WITH PHASE I DETOUR PLANS FOR NE 10TH AVENUE AND NE 83RD STREET.
- REMOVE TRAFFIC CIRCLE AND APPROACH ISLAND AND CONSTRUCT ROADWAY PAVEMENT LAYERS.

PHASE II

THE INTENT OF THIS PHASE IS TO CONSTRUCT THE NEW BRIDGE ON NE 10TH AVE BETWEEN NE 83RD STREET AND NE 84TH STREET AND RECONSTRUCT THE ROADWAY APPROACHES.

- PLACE SIGNS, BARRICADES AND OTHER TRAFFIC CONTROL DEVICES TO MAINTAIN TRAFFIC IN ACCORDANCE WITH PHASE II DETOUR PLANS FOR NE 10TH AVENUE.
- DEMOLISH THE EXISTING BRIDGE AND CONSTRUCT PROPOSED CANAL IMPROVEMENT.
- CONSTRUCT BRIDGE AUGER CAST IN PLACE (ACIP) PILES 3-7.
- REQUEST FPL DE-ENERGIZE THE WEST SIDE AND REROUTE POWER TO THE EAST SIDE.
- CONSTRUCT ACIP PILES 1-2.
- NOTIFY FPL POWER CAN BE RE-ROUTED TO THE WEST SIDE.
- CONSTRUCT THE BRIDGE SUBSTRUCTURE AND SUPERSTRUCTURE.
- COMPLETE RECONSTRUCTION OF THE ROADWAY APPROACHES, INCLUDING PROPOSED DRAINAGE, CURB & GUTTER, SIDEWALKS, AND DRIVEWAYS.
- INSTALL NEW SIGNING AND PAINTED PAVEMENT MARKINGS.
- OPEN THE NEW BRIDGE TO TRAFFIC.

PHASE III

THE INTENT OF THIS PHASE IS TO CONSTRUCT THE PROPOSED CURB AND GUTTER, SIDEWALKS, AND SIGNING BETWEEN STATIONS 489+95.24 AND 491+30.00 AS WELL AS 495+00.00 TO 496+00.00.

- PLACE SIGNS, BARRICADES AND OTHER TRAFFIC CONTROL DEVICES TO MAINTAIN TRAFFIC IN ACCORDANCE WITH STD. PLANS NO. 102-602, 102-603 AND 102-604.
- CLOSE 1 LANE DURING NON-PEAK HOURS AND MAINTAIN TWO-WAY TRAFFIC ON ONE LANE THROUGH THE USE OF FLAGMEN.
- CONSTRUCT CURB & GUTTER, SIDEWALKS, AND SIGNING.

PHASE IV

THE INTENT OF THIS PHASE IS TO RESURFACE THE EXISTING ROAD BETWEEN STATIONS 489+95.24 TO 491+30.00, 495+00.00 TO 496+00.00, AND PLACE FINAL FRICTION.

- PLACE SIGNS, BARRICADES AND OTHER TRAFFIC CONTROL DEVICES TO MAINTAIN TRAFFIC IN ACCORDANCE WITH STD. PLANS NO. 102-603 AND 102-604.
- CLOSE 1 LANE DURING NON-PEAK HOURS AND MAINTAIN TWO-WAY TRAFFIC ON ONE LANE THROUGH THE USE OF FLAGMEN.
- MILL AND RESURFACE THE ROADWAY.
- FOLLOWING THE ASPHALT CURING PERIOD, COMPLETE PROPOSED PAVEMENT MARKINGS, AND ALL OTHER OUTSTANDING TASKS.

| REVISIONS | | | | ASA CONSULTANTS, INC. 8935 NW 35th LANE, SUITE 200 DORAL, FL 33172 (754) 216-2027 CARLOS M. RODRIGUEZ, PE; LIC. NO. 79134 | MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT | | | TEMPORARY TRAFFIC CONTROL PLANS | SHEET NO. |
|-----------|-------------|------|-------------|---|--|------------|-----------------|------------------------------------|-----------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | PROJECT NUMBER | | 33 |
| | | | | | NE 10 AVE | MIAMI-DADE | EDP-MT-20190196 | | |

LEGEND

- WORK ZONE
- DETOUR ROUTES
- WORK ZONE SIGN
- 1 NB NE 10TH AVE DETOUR
- 2 SB NE 10TH AVE DETOUR
- 3 EB NE 83RD ST DETOUR
- 4 WB NE 83RD ST DETOUR
- PCMS
- TYPE III BARRICADE

1
NORTH
NE 10TH AVE
DETOUR
↑

2
NORTH
NE 10TH AVE
DETOUR
←

3
NORTH
NE 10TH AVE
DETOUR
→

4
SOUTH
NE 10TH AVE
DETOUR
↑

5
SOUTH
NE 10TH AVE
DETOUR
←

6
SOUTH
NE 10TH AVE
DETOUR
→

6A
EAST
NE 83RD ST
DETOUR
↑

7
EAST
NE 83RD ST
DETOUR
←

8
EAST
NE 83RD ST
DETOUR
→

9
WEST
NE 83RD ST
DETOUR
←

10
WEST
NE 83RD ST
DETOUR
→

SR 5 / US-1 / BISCAYNE BLVD.



| REVISIONS | | | | ASA CONSULTANTS, INC. 8935 NW 35th LANE, SUITE 200 DORAL, FL 33172 (754) 216-2027 CARLOS M. RODRIGUEZ, PE; LIC. NO. 79134 | MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT | | TEMPORARY TRAFFIC CONTROL PLANS | SHEET NO. |
|-----------|-------------|------|-------------|---|--|------------|------------------------------------|--------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | PROJECT NUMBER | |
| | | | | | NE 10 AVE | MIAMI-DADE | EDP-MT-20190196 | 34 |

LEGEND

- WORK ZONE
- NE 10TH AVE DETOUR
- WORK ZONE SIGN
- NB NE 10TH AVE DETOUR
- SB NE 10TH AVE DETOUR
- PCMS
- TYPE III BARRICADE

1

NORTH

NE 10TH AVE

DETOUR

↑

2

NORTH

NE 10TH AVE

DETOUR

←

3

NORTH

NE 10TH AVE

DETOUR

→

4

SOUTH

NE 10TH AVE

DETOUR

↑

5

SOUTH

NE 10TH AVE

DETOUR

←

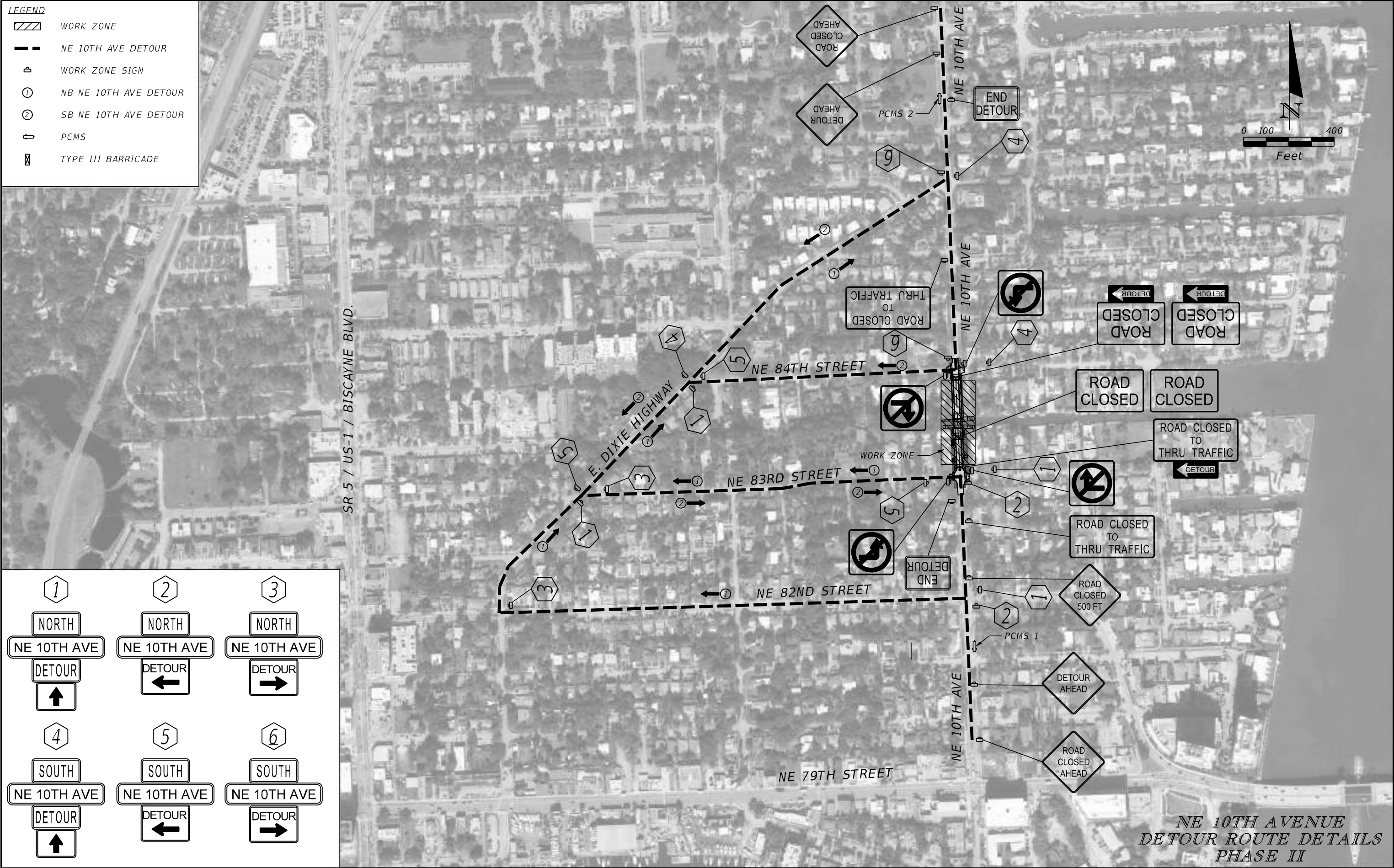
6

SOUTH

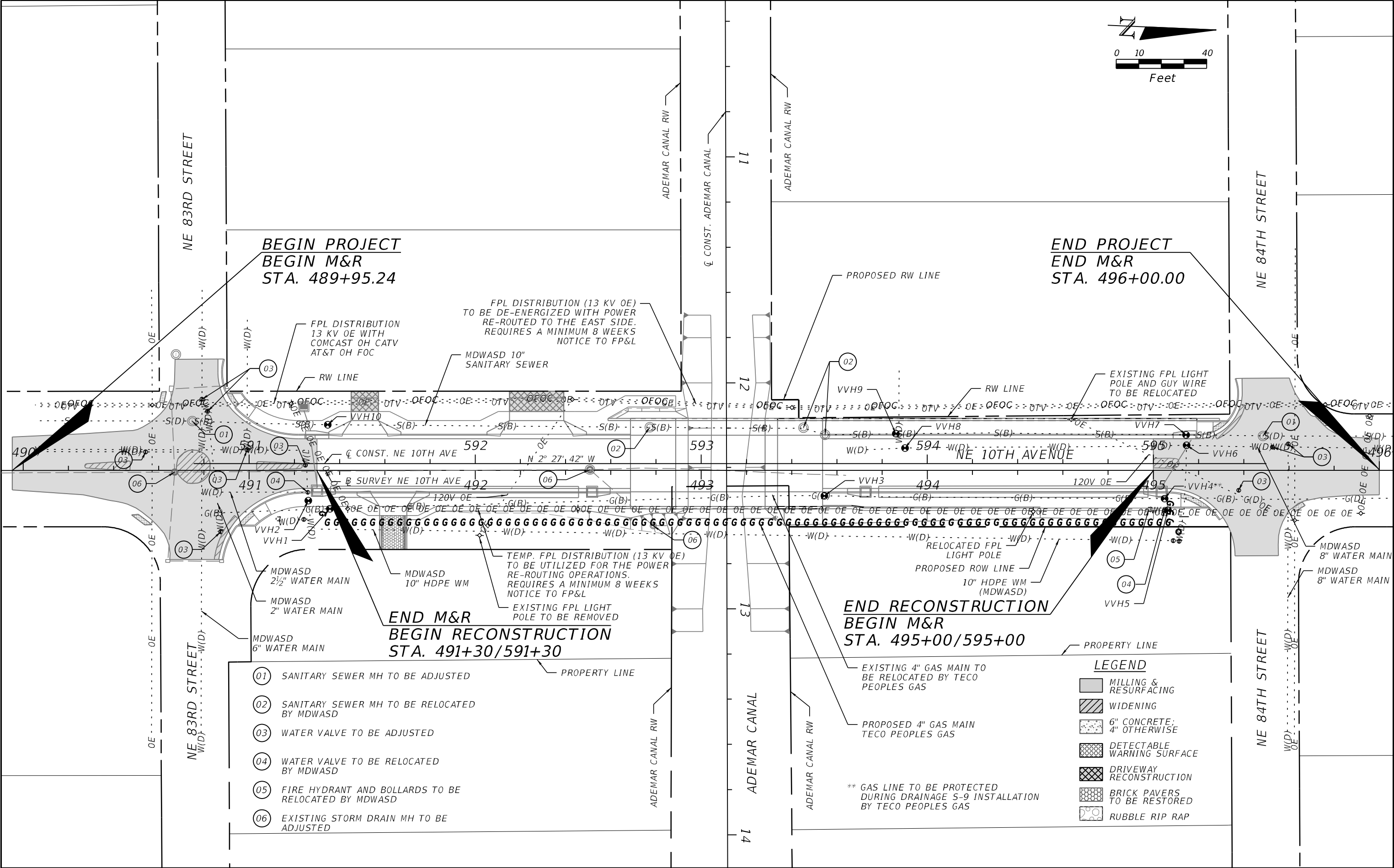
NE 10TH AVE

DETOUR

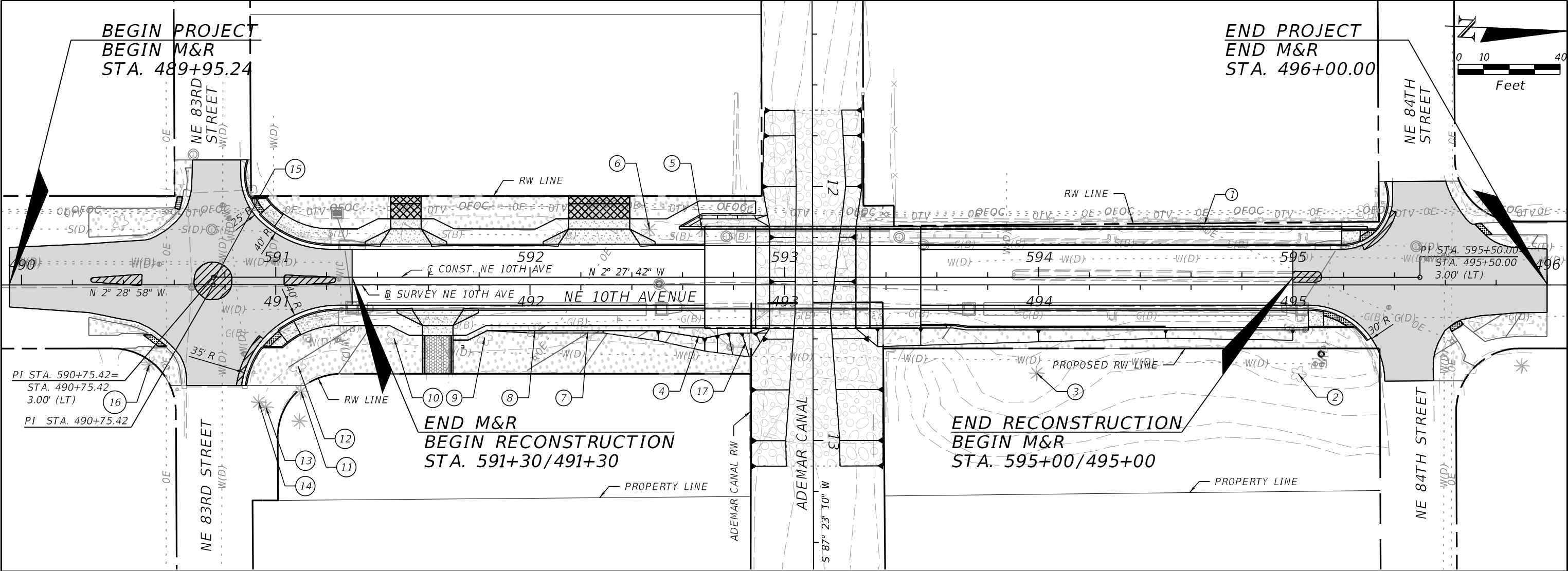
→



| REVISIONS | | | | ASA CONSULTANTS, INC. 8935 NW 35th LANE, SUITE 200 DORAL, FL 33172 (754) 216-2027 CARLOS M. RODRIGUEZ, PE; LIC. NO. 79134 | MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT | | | TEMPORARY TRAFFIC CONTROL PLANS | SHEET NO. |
|-----------|-------------|------|-------------|---|--|------------|-----------------|------------------------------------|--------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | PROJECT NUMBER | | 35 |
| | | | | | NE 10 AVE | MIAMI-DADE | EDP-MT-20190196 | | |
| | | | | | | | | | |

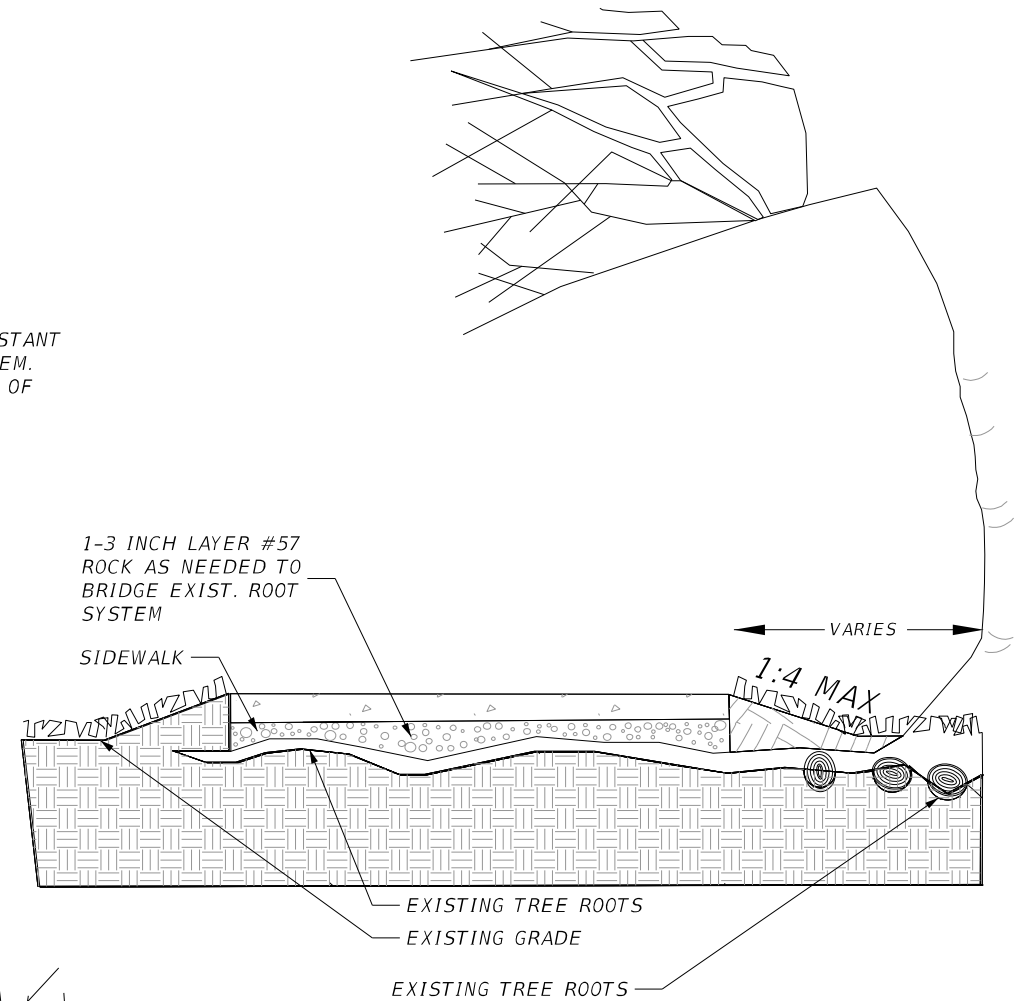
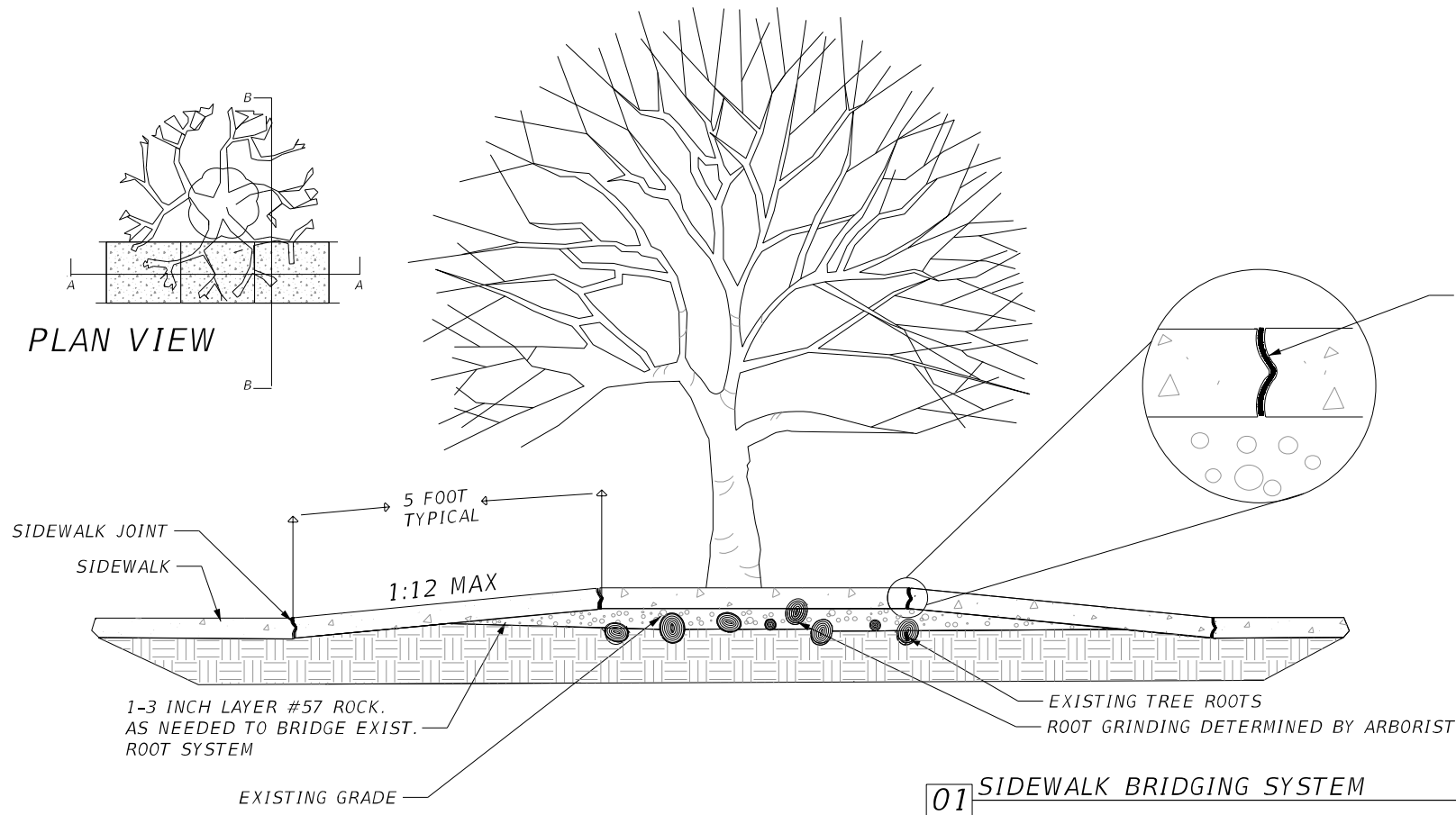
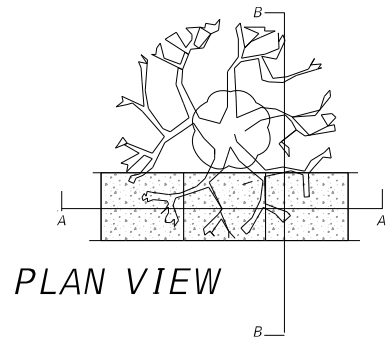


| REVISIONS | | | | ASA CONSULTANTS, INC. 8935 NW 35th LANE, SUITE 200 DORAL, FL 33172 (754) 216-2027 CARLOS M. RODRIGUEZ, PE; LIC. NO. 79134 | MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT | | | UTILITY ADJUSTMENTS | SHEET NO. 36 |
|-----------|-------------|------|-------------|---|--|------------|-----------------|---------------------|---------------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | PROJECT NUMBER | | |
| | | | | | NE 10 AVE | MIAMI-DADE | EDP-MT-20190196 | | |



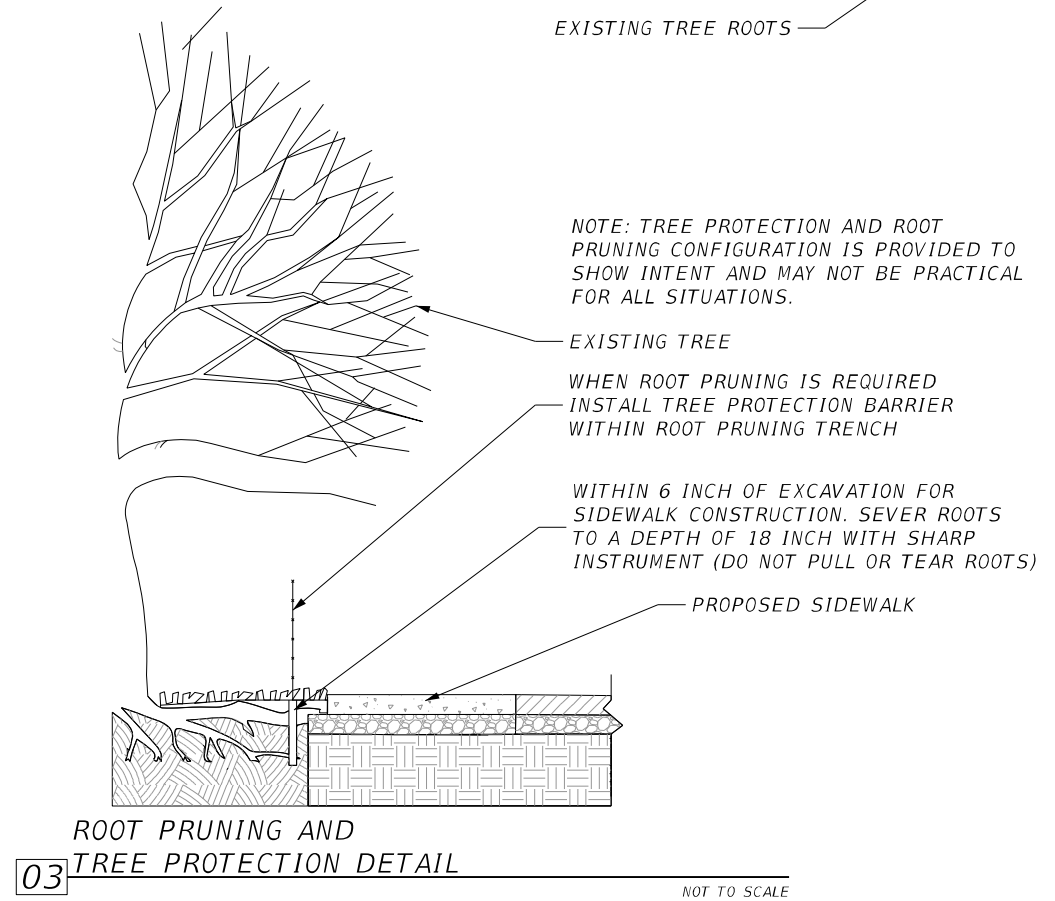
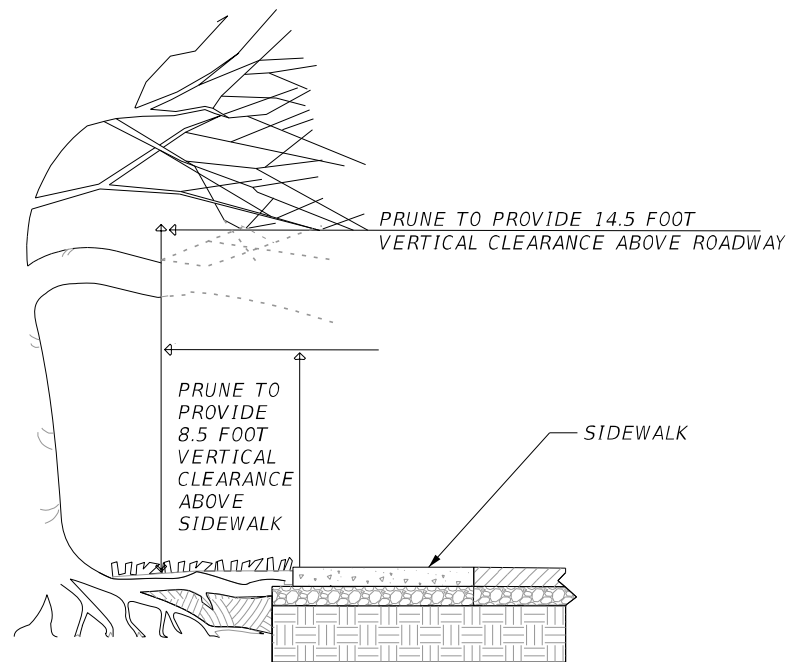
| TREE DISPOSITION TABLE | | | | | | | | | | |
|------------------------|--------------------------|-------------------------|--|------------------------|-------------------------------|-----------|--------|-----------|-------------|--------------|
| TREE NO. | BOTANICAL NAME | COMMON NAME | DBH (IN.) FOR TREES/ CTH (FT.) FOR PALMS | HEIGHT (FT.) (APPROX.) | CANOPY SPREAD (FT.) (APPROX.) | LOCATION | | CONDITION | DISPOSITION | NOTES |
| | | | | | | STATION | OFFSET | | | |
| 1 | HONG KONG ORCHID | BAUHINIA BLAKEANA | 16 | 30 | 24 | 494+65.23 | 24' LT | POOR | REMOVE | |
| 2 | UMBRELLA TREE | SCHEFFLERA ACTINOPHYLLA | 16 | 28 | 24 | 495+02.23 | 35' RT | POOR | REMAIN | |
| 3 | UNIDENTIFIED PALM | N/A | 14 | 10 | 20 | 493+99.29 | 35' RT | FAIR | REMAIN | |
| 4 | INDIAN LAUREL | FICUS MICROCARPA | 14 | 32 | 20 | 492+66.36 | 20' RT | VERY POOR | REMOVE | |
| 5 | COCONUT PALM | COCOS NUCIFERA | 12 | 28 | 12 | 492+67.60 | 22' LT | FAIR | REMOVE | |
| 6 | COCONUT PALM | COCOS NUCIFERA | 12 | 28 | 12 | 492+46.96 | 22' LT | FAIR | REMOVE | |
| 7 | WEeping FIG | FICUS BENJAMINA | 18 | 28 | 30 | 492+22.65 | 19' RT | POOR | REMAIN | SEE SHEET 38 |
| 8 | WEeping FIG | FICUS BENJAMINA | 20 | 34 | 32 | 492+01.85 | 18' RT | FAIR | REMAIN | SEE SHEET 38 |
| 9 | BRAZILIAN BEAUTY LEAF | CALOPHYLLUM BRASILENSE | 22 | 36 | 30 | 491+82.17 | 21' RT | FAIR | REMAIN | SEE SHEET 38 |
| 10 | BLACK OLIVE | BUCIDA BUCERAS | 28 | 44 | 40 | 491+46.43 | 21' RT | FAIR | REMAIN | SEE SHEET 38 |
| 11 | MONTGOMERY PALM | VEITCHIA MONTGOMERYANA | 4 | 16 | 8 | 491+09.92 | 42' RT | GOOD | REMAIN | |
| 12 | WEeping FIG | FICUS BENJAMINA | 36 | 40 | 44 | 491+08.72 | 32' RT | FAIR | REMAIN | |
| 13 | MONTGOMERY PALM | VEITCHIA MONTGOMERYANA | 6 | 16 | 12 | 490+96.09 | 48' RT | GOOD | REMAIN | |
| 14 | SPANISH BAYONET | YUCCA ALOIFOLIA | 10 | 16 | 12 | 490+93.33 | 46' RT | FAIR | REMAIN | |
| 15 | MONTGOMERY PALM | VEITCHIA MONTGOMERYANA | 3 | 16 | 8 | 490+75.40 | 1' LT | GOOD | REMOVE | |
| 16 | COCONUT PALM | COCOS NUCIFERA | 13 | 28 | 14 | 490+50.26 | 31' RT | FAIR | REMAIN | |
| 17 | SCHINUS TEREBINTHIFOLIUS | BRAZILIAN PEPPER | N/A | N/A | N/A | 492+84.92 | 23' RT | N/A | REMOVE | INVASIVE |

| REVISIONS | | | | ASA CONSULTANTS, INC. 8935 NW 35th LANE, SUITE 200 DORAL, FL 33172 (754) 216-2027 CARLOS M. RODRIGUEZ, PE; LIC. NO. 79134 | MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT | | | TREE DISPOSITION PLAN | SHEET NO. |
|-----------|-------------|--|------|---|--|------------|-----------------|-----------------------|-----------|
| DATE | DESCRIPTION | | DATE | | ROAD NO. | COUNTY | PROJECT NUMBER | | |
| | | | | | NE 10 AVE | MIAMI-DADE | EDP-MT-20190196 | | |
| | | | | | | | | | 37 |



PRUNING NOTES:

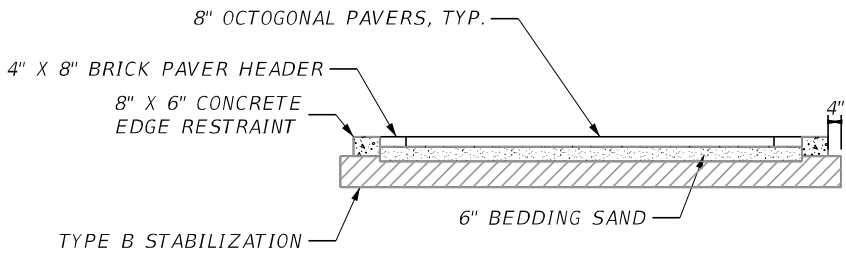
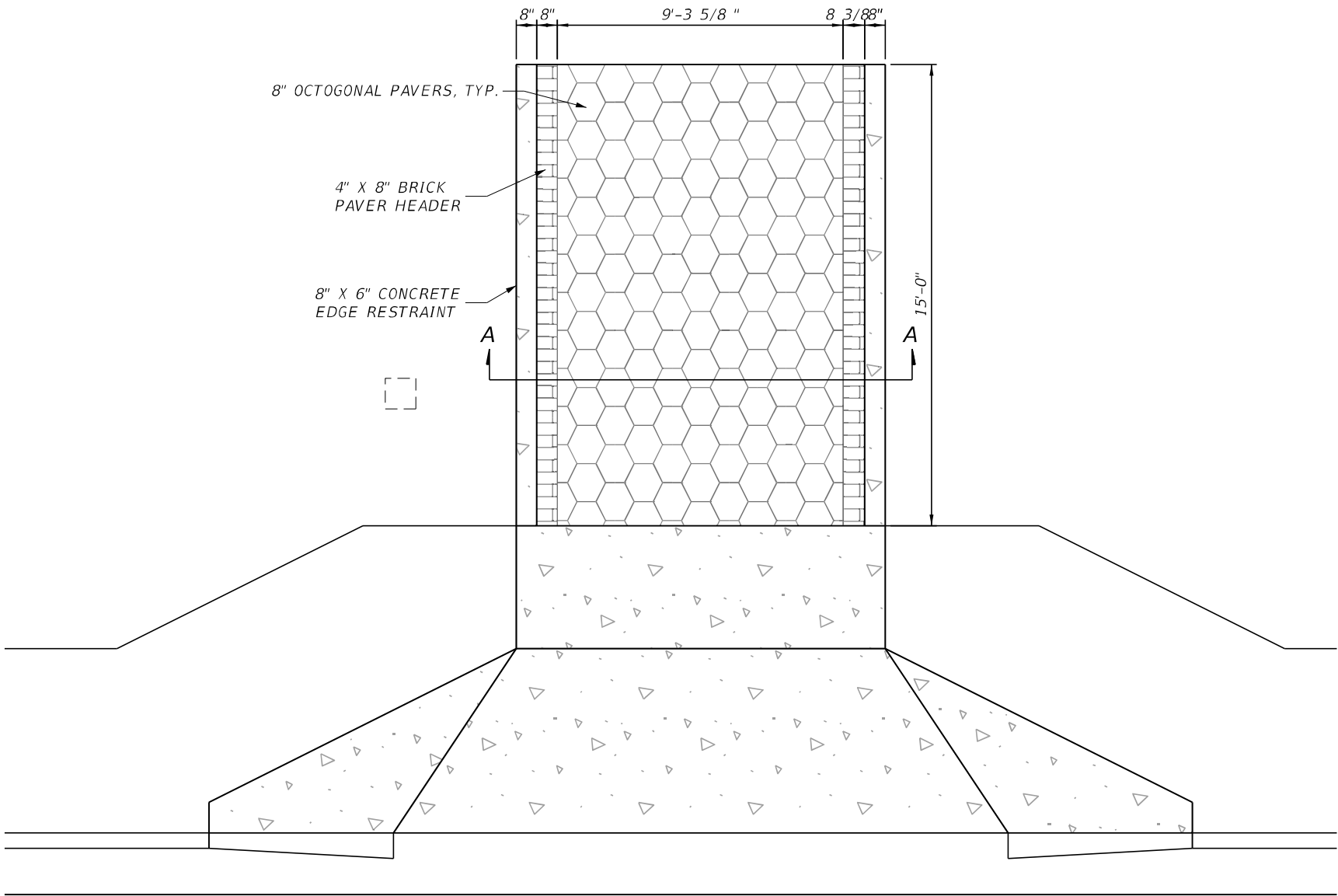
PRUNING FOR VERTICAL CLEARANCE PER DETAIL, VERTICAL CLEARANCE FOR SIGNAGE, OR FOR REMOVAL OF DEAD, DISEASED AND/OR BROKEN BRANCHES



| REVISIONS | | | | ASA CONSULTANTS, INC. 8935 NW 35th LANE, SUITE 200 DORAL, FL 33172 (754) 216-2027 CARLOS M. RODRIGUEZ, PE; LIC. NO. 79134 | MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT | | | TREE PRESERVATION DETAILS | SHEET NO. |
|-----------|-------------|------|-------------|---|--|------------|-----------------|---------------------------|-----------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | PROJECT NUMBER | | 38 |
| | | | | | NE 10 AVE | MIAMI-DADE | EDP-MT-20190196 | | |
| | | | | | | | | | |

NOTES:

1. AT THE DISCRETION OF THE ENGINEER, THE EXISTING PAVERS MAY BE STOCKPILED AND REUSED IF THEY ARE IN ADEQUATE CONDITION.
2. PAVER COLOR TO BE COORDINATED AND AGREED UPON WITH THE PROPERTY OWNER.



SECTION A-A (NTS)

| REVISIONS | | | | ASA CONSULTANTS, INC. 8935 NW 35th LANE, SUITE 200 DORAL, FL 33172 (754) 216-2027 CARLOS M. RODRIGUEZ, PE; LIC. NO. 79134 | MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT | | | PAVER DRIVEWAY DETAILS | SHEET NO. |
|-----------|-------------|------|-------------|---|--|------------|-----------------|------------------------|--------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | PROJECT NUMBER | | |
| | | | | | NE 10 AVE | MIAMI-DADE | EDP-MT-20190196 | | 39 |

PAY ITEM NOTES

520-1 COST OF ASPHALT CURB PAD AND ADDITIONAL CURB THICKNESS IS INCLUDED IN THE COST OF CURB AND GUTTER.

ADDITIONAL PAY ITEM NOTES MAY BE CONTAINED WITH THE OTHER COMPONENTS OF THE CONTRACT PLANS SET.

INDEX OF SUMMARY OF QUANTITIES

| SHEET NO. | SHEET DESCRIPTION |
|-----------|--|
| SQ-1 | SUMMARY OF LUMP SUM ITEMS |
| | SUMMARY OF TEMPORARY TRAFFIC CONTROL PLAN ITEMS |
| SQ-2 | SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES |
| SQ-3 | SUMMARY OF MONITOR EXISTING STRUCTURES |
| SQ-4 | SUMMARY OF CLEARING AND GRUBBING & REMOVAL ITEMS |
| | SUMMARY OF EARTHWORK |
| SQ-5 | SUMMARY OF PAVEMENT |
| SQ-6 | SUMMARY OF WALLS |
| | SUMMARY OF UTILITY ADJUSTMENTS |
| | SUMMARY OF RAILING |
| | SUMMARY OF PERMANENT BARRIERS |
| SQ-7 | SUMMARY OF CURB & GUTTER AND/OR TRAFFIC SEPARATORS |
| | SUMMARY OF SIDEWALK & DETECTABLE WARNINGS |
| SQ-8 | SUMMARY OF MISCELLANEOUS DRAINAGE ITEMS |
| | SUMMARY OF GUARDRAIL |
| SQ-9 | SUMMARY OF PERFORMANCE TURF |

| SUMMARY OF LUMP SUM ITEMS | | | | | |
|---------------------------|----------------------|----------|---|--------------|----------------------|
| PAY ITEM NO. | PAY ITEM DESCRIPTION | QUANTITY | | DESIGN NOTES | CONSTRUCTION REMARKS |
| | | P | F | | |
| 101-1-A | MOBILIZATION | 1 | | | |
| | | | | | |

SUMMARY OF TEMPORARY TRAFFIC CONTROL PLAN ITEMS

[illegible]

SUMMARY OF TEMPORARY TRAFFIC CONTROL PLAN ITEMS

[illegible]

| REVISIONS | | | | ASA CONSULTANTS, INC. 8935 NW 35th LANE, SUITE 200 DORAL, FL 33172 (754) 216-2027 CARLOS M. RODRIGUEZ, PE; LIC. NO. 79134 | MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT | | | <i>SUMMARY OF QUANTITIES</i> | SHEET NO. |
|-----------|-------------|------|-------------|---|--|------------|-----------------|------------------------------|-----------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | PROJECT NUMBER | | SQ-1 |
| | | | | | NE 10 AVE | MIAMI-DADE | EDP-MT-20190196 | | |

| SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES | | | | | | | | | | |
|---|------|---------|------------------|---|----------------------------|---|-------------------------|---|--------------|----------------------|
| LOCATION | SIDE | AREA ID | SEDIMENT BARRIER | | FLOATING TURBIDITY BARRIER | | INLET PROTECTION SYSTEM | | DESIGN NOTES | CONSTRUCTION REMARKS |
| STA. TO STA. | | | 104 10 3 | | 104 11A | | 104 18 | | | |
| | | | LF | | LF | | EA | | | |
| | | | P | F | P | F | P | F | | |
| 490+94.30 to 491+09.67 | RT | | 21.8 | | | | | | | |
| 490+94.69 to 492+91.13 | LT | | 196.4 | | | | | | | |
| 491+04.25 to 491+24.28 | RT | | 24.4 | | | | | | | |
| 491+24.28 to 492+86.97 | RT | | 162.7 | | | | | | | |
| 493+31.16 to 495+33.88 | LT | | 202.7 | | | | | | | |
| 493+38.99 to 495+34.03 | RT | | 195.0 | | | | | | | |
| 492+87.02 to 493+39.54 | RT | | | | 54.5 | | | | | |
| 490+63.09 to 490+64.93 | RT | | | | | | 1 | | | |
| 490+64.65 to 490+66.43 | LT | | | | | | 1 | | | |
| 490+86.91 to 490+88.75 | RT | | | | | | 1 | | | |
| 490+89.45 to 490+91.03 | LT | | | | | | 1 | | | |
| | | | | | | | | | | |
| SUB-TOTAL : | | | 803.0 | | 54.5 | | 4 | | | |
| TOTAL : | | | 803 | | 55 | | 4 | | | |

| REVISIONS | | | | ASA CONSULTANTS, INC. 8935 NW 35th LANE, SUITE 200 DORAL, FL 33172 (754) 216-2027 CARLOS M. RODRIGUEZ, PE; LIC. NO. 79134 | MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT | | | SUMMARY OF QUANTITIES | SHEET NO. |
|-----------|-------------|--|------|---|--|------------|-----------------|-----------------------|--------------|
| DATE | DESCRIPTION | | DATE | | ROAD NO. | COUNTY | PROJECT NUMBER | | SQ-2 |
| | | | | | NE 10 AVE | MIAMI-DADE | EDP-MT-20190196 | | |
| | | | | | | | | | |

| SUMMARY OF MONITOR EXISTING STRUCTURES | | | | | | | | |
|--|---------------------------------|-----------------|------------------------------------|---|----------------------|---|--------------|----------------------|
| SITE NO. | LOCATION | STRUCTURE USAGE | INSPECTION & SETTLEMENT MONITORING | | VIBRATION MONITORING | | DESIGN NOTES | CONSTRUCTION REMARKS |
| | ADDRESS AND/OR STA. | | 0108 1 | | 0108 2 | | | |
| | | | LS | | LS | | | |
| | | | P | F | P | F | | |
| 1 | 8300 NE 10TH AVE / 491+42.85 LT | RESIDENTIAL | X | | X | | | |
| 2 | 8301 NE 10TH AVE / 491+28.62 RT | RESIDENTIAL | X | | X | | | |
| 3 | 986 NE 84TH ST / 494+29.22 LT | RESIDENTIAL | X | | X | | | |
| | | | | | | | | |
| | | | | | | | | |
| TOTAL | | | 1 | | 1 | | | |

THIS LIST INCLUDES EXISTING STRUCTURES (AS DETERMINED BY MIAMI-DADE COUNTY) LOCATED OUTSIDE THE LIMITS SPECIFIED IN ARTICLE 108-2 OF THE FDOT SPECIFICATIONS THAT ARE REQUIRED TO BE MONITORED. THIS LIST SHOULD NOT BE CONSIDERED ALL INCLUSIVE AND DOES NOT CONTAIN EXISTING STRUCTURES TO BE MONITORED THAT ARE LOCATED WITHIN THE DISTANCES SPECIFIED IN ARTICLE 108-2.

| REVISIONS | | | | ASA CONSULTANTS, INC. 8935 NW 35th LANE, SUITE 200 DORAL, FL 33172 (754) 216-2027 CARLOS M. RODRIGUEZ, PE; LIC. NO. 79134 | MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT | | | SUMMARY OF QUANTITIES | SHEET NO. |
|-----------|-------------|------|-------------|---|--|------------|-----------------|-----------------------|-----------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | PROJECT NUMBER | | SQ-3 |
| | | | | | NE 10 AVE | MIAMI-DADE | EDP-MT-20190196 | | |
| | | | | | | | | | |

SUMMARY OF CLEARING AND GRUBBING & REMOVAL ITEMS

| PAY ITEM NO. | PAY ITEM DESCRIPTION | LOCATION | SIDE | AREA ID | LENGTH | WIDTH | UNITS | SECONDARY UNITS (IF LUMP SUM) | QUANTITY | | TOTAL | | DESIGN NOTES | CONSTRUCTION REMARKS |
|--------------|--|------------------------|-------|---------|--------|-------|-------|-------------------------------|----------|---|-------|---|-------------------------------|----------------------|
| | | STA. TO STA. | | | | | | AREA (AC) | P | F | P | F | | |
| 110 1 1B | CLEARING AND GRUBBING | 490+67.84 TO 490+82.72 | LT/RT | 31999 | | | LS | 0.004 | 1 | | 1 | | (0.506 TOTAL AC) | |
| | | 490+86.21 TO 492+88.72 | LT/RT | 31957 | | | | 0.296 | | | | | | |
| | | 493+33.72 TO 495+39.30 | LT/RT | 31988 | | | | 0.206 | | | | | | |
| 110 4 0 CO | REMOVAL AND DISPOSAL OF EXISTING CURB & GUTTER | 490+27.20 TO 490+47.39 | LT/RT | 28369 | | | LF | | 32.0 | | 661 | | | |
| | | 490+75.28 TO 490+75.28 | LT | 28178 | | | | 17.6 | | | | | | |
| | | 490+85.93 TO 491+40.21 | LT | 10064 | | | | 70.7 | | | | | | |
| | | 490+86.28 TO 491+56.86 | RT | 10068 | | | | 79.2 | | | | | | |
| | | 491+03.27 TO 491+23.47 | LT/RT | 26612 | | | | 32.0 | | | | | | |
| | | 493+89.10 TO 495+11.34 | LT | 24647 | | | | 87.8 | | | | | | |
| | | 493+90.59 TO 495+35.32 | RT | 10080 | | | | 169.2 | | | | | | |
| | | 493+92.29 TO 495+39.04 | LT | 10078 | | | | 171.9 | | | | | | |
| 580 3 | TREE PROTECTION BARRICADES | 490+38.85 TO 490+38.85 | LT | | | | LF | 15 | | | 120 | | | |
| | | 491+08.72 TO 491+08.72 | RT | | | | | 15 | | | | | | |
| | | 491+46.43 TO 491+46.43 | RT | | | | | 15 | | | | | | |
| | | 491+82.17 TO 491+82.17 | RT | | | | | 15 | | | | | | |
| | | 492+01.85 TO 492+01.85 | RT | | | | | 15 | | | | | | |
| | | 492+22.65 TO 492+22.65 | RT | | | | | 15 | | | | | | |
| | | 493+99.29 TO 493+99.29 | RT | | | | | 15 | | | | | | |
| | | 495+02.23 TO 495+02.23 | RT | | | | | 15 | | | | | | |
| 110 22A | TREE ROOT AND BRANCH PRUNING | 491+46.43 TO 491+46.43 | RT | | | | EA | 1 | | | 4 | | SEE TREE PRESERVATION DETAILS | |
| | | 491+82.17 TO 491+82.17 | RT | | | | | 1 | | | | | | |
| | | 492+01.85 TO 492+01.85 | RT | | | | | 1 | | | | | | |
| | | 492+22.65 TO 492+22.65 | RT | | | | | 1 | | | | | | |
| | | | | | | | | | | | | | | |

SUMMARY OF EARTHWORK

| PAY ITEM NO. | PAY ITEM DESCRIPTION | CY | | DESIGN NOTES | CONSTRUCTION REMARKS |
|--------------|----------------------------------|-------|---|--------------------|----------------------|
| | | P | F | | |
| 120 1 | REGULAR EXCAVATION | | | | |
| | NE 10TH AVE | 411.3 | | | |
| | TOTAL REGULAR EXCAVATION | 411.3 | | | |
| | | | | | |
| 120 4 | REGULAR SUBSOIL EXCAVATION | | | | |
| | NE 10TH AVE | 124.4 | | | |
| | TOTAL REGULAR SUBSOIL EXCAVATION | 124.4 | | 6" TOPSOIL REMOVAL | |
| | | | | | |
| 120 5 | CHANNEL EXCAVATION | | | | |
| | ADEMAR CANAL | 794.9 | | | |
| | TOTAL CHANNEL EXCAVATION | 794.9 | | | |
| | | | | | |
| 120 6 | EMBANKMENT | | | | |
| | NE 10TH AVE | 118.4 | | | |
| | ADEMAR CANAL | 0.0 | | | |
| | TOTAL EMBANKMENT | 118.4 | | | |
| | | | | | |

EARTHWORK HAS BEEN CALCULATED USING THE LIMEROCK BASE OPTION

| REVISIONS | | | | ASA CONSULTANTS, INC. 8935 NW 35th LANE, SUITE 200 DORAL, FL 33172 (754) 216-2027 CARLOS M. RODRIGUEZ, PE; LIC. NO. 79134 | MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT | | | SUMMARY OF QUANTITIES | SHEET NO. |
|-----------|-------------|------|-------------|---|--|------------|-----------------|-----------------------|-----------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | PROJECT NUMBER | | SQ-4 |
| | | | | | NE 10 AVE | MIAMI-DADE | EDP-MT-20190196 | | |
| | | | | | | | | | |

| SUMMARY OF PAVEMENT | | | | | | | | | | | | | | | |
|---------------------|---|------------------------|-----------------|-------|---------|--------|-------|------|----------|---|-------|---|--------------|----------------------|--|
| PAY ITEM NO. | PAY ITEM DESCRIPTION | LOCATION | | SIDE | AREA ID | LENGTH | WIDTH | UNIT | QUANTITY | | TOTAL | | DESIGN NOTES | CONSTRUCTION REMARKS | |
| | | STA. TO STA. | DESCRIPTION | | | | | | P | F | P | F | | | |
| | | | | | | | | | | | | | | | |
| 160 4 | TYPE B STABILIZATION | 491+30.00 TO 492+68.70 | RECONSTRUCTION | LT/RT | 15739 | | | SY | 411.0 | | 845 | | | | |
| | | 493+53.70 TO 495+00.00 | RECONSTRUCTION | LT/RT | 15744 | | | | 433.5 | | | | | | |
| 285702 | OPTIONAL BASE, BASE GROUP 02 | 491+45.21 TO 491+57.21 | DRIVEWAY 1 | LT | 13060 | | | SY | 12.0 | | 36 | | | | |
| | | 492+15.21 TO 492+39.21 | DRIVEWAY 3 | LT | 13065 | | | | 24.0 | | | | | | |
| 285706 | OPTIONAL BASE, BASE GROUP 06 | 490+28.06 TO 490+47.41 | SPLITTER ISLAND | LT/RT | 28212 | | | SY | 6.8 | | 745 | | | | |
| | | 490+67.84 TO 490+82.72 | TRAFFIC CIRCLE | LT/RT | 28198 | | | | 19.5 | | | | | | |
| | | 490+84.54 TO 490+95.02 | MINOR WIDENING | RT | 12767 | | | | 4.7 | | | | | | |
| | | 491+03.27 TO 491+23.47 | SPLITTER ISLAND | LT/RT | 12731 | | | | 7.1 | | | | | | |
| | | 491+30.00 TO 492+68.70 | RECONSTRUCTION | LT/RT | 12760 | | | | 339.1 | | | | | | |
| | | 493+53.70 TO 495+00.00 | RECONSTRUCTION | LT/RT | 12761 | | | | 357.6 | | | | | | |
| | | 495+00.00 TO 495+11.32 | MINOR WIDENING | LT | 12768 | | | | 5.2 | | | | | | |
| | | 495+27.32 TO 495+40.67 | MINOR WIDENING | LT | 12769 | | | | 4.3 | | | | | | |
| 0327 70 4A | MILLING EXIST ASPH PAVT, 3" AVG DEPTH | 489+95.24 TO 491+30.00 | SOUTH END | LT | 28244 | | | SY | 588.8 | | 1044 | | | | |
| | | 495+00.00 TO 496+00.00 | NORTH END | LT/RT | 10602 | | | | 454.9 | | | | | | |
| 0334 1 52 | SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC B, PG 76-22 | 489+95.24 TO 491+30.00 | MILLING AREA | LT/RT | 12478 | | | TN | 67.14 | | 197.3 | | | | |
| | | 490+84.54 TO 490+95.02 | MINOR WIDENING | RT | 12536 | | | | 0.52 | | | | | | |
| | | 491+30.00 TO 492+68.70 | RECONSTRUCTION | LT/RT | 10784 | | | | 37.30 | | | | | | |
| | | 491+45.21 TO 491+57.21 | DRIVEWAY 1 | LT | 10774 | | | | 0.99 | | | | | | |
| | | 492+15.21 TO 492+39.21 | DRIVEWAY 3 | LT | 10779 | | | | 1.98 | | | | | | |
| | | 493+53.70 TO 495+00.00 | RECONSTRUCTION | LT | 10785 | | | | 39.34 | | | | | | |
| | | 495+00.00 TO 496+00.00 | MILLING AREA | LT/RT | 12578 | | | | 48.92 | | | | | | |
| | | 495+00.00 TO 495+11.32 | MINOR WIDENING | LT | 12633 | | | | 0.57 | | | | | | |
| | | 495+27.32 TO 495+40.67 | MINOR WIDENING | LT | 12634 | | | | 0.47 | | | | | | |
| 0337 7 80 | ASPHALT CONCRETE FRICTION COURSE, TRAFFIC B, FC-9.5, PG 76-22 | 489+95.24 TO 491+30.00 | MILLING AREA | LT/RT | 12640 | | | TN | 33.57 | | 107.9 | | | | |
| | | 490+84.54 TO 490+95.02 | MINOR WIDENING | RT | 12708 | | | | 0.26 | | | | | | |
| | | 491+30.00 TO 492+68.70 | RECONSTRUCTION | LT/RT | 12441 | | | | 18.65 | | | | | | |
| | | 492+68.70 TO 492+88.70 | APPROACH SLAB 1 | LT/RT | 27545 | | | | 5.35 | | | | | | |
| | | 493+33.70 TO 493+53.70 | APPROACH SLAB 2 | LT/RT | 27552 | | | | 5.35 | | | | | | |
| | | 493+53.70 TO 495+00.00 | RECONSTRUCTION | LT/RT | 12442 | | | | 19.67 | | | | | | |
| | | 495+00.00 TO 495+11.32 | MINOR WIDENING | LT | 12317 | | | | 0.28 | | | | | | |
| | | 495+00.00 TO 496+00.00 | MILLING AREA | LT/RT | 12268 | | | | 24.50 | | | | | | |
| | | 495+27.32 TO 495+40.67 | MINOR WIDENING | LT | 12316 | | | | 0.24 | | | | | | |
| | | | | | | | | | | | | | | | |

REVISIONS

| DATE | DESCRIPTION | DATE | DESCRIPTION |
|------|-------------|------|-------------|
| | | | |

ASA CONSULTANTS, INC.
8935 NW 35th LANE, SUITE 200
DORAL, FL 33172
(754) 216-2027
CARLOS M. RODRIGUEZ, PE; LIC. NO. 79134

MIAMI-DADE COUNTY
PUBLIC WORKS DEPARTMENT

| ROAD NO. | COUNTY | PROJECT NUMBER |
|-----------|------------|-----------------|
| NE 10 AVE | MIAMI-DADE | EDP-MT-20190196 |

SUMMARY OF QUANTITIES

SHEET NO.
SQ-5

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

[illegible]

| SUMMARY OF UTILITY ADJUSTMENTS | | | | | | | | | | |
|--------------------------------|-----------------------------|-----------|------|------|----------|---|-------|---|---------------------|----------------------|
| PAY ITEM NO. | PAY ITEM DESCRIPTION | LOCATION | SIDE | UNIT | QUANTITY | | TOTAL | | DESIGN NOTES | CONSTRUCTION REMARKS |
| | | STATION | | | P | F | P | F | | |
| 425 5 | MANHOLE ADJUSTMENT | 490+67.04 | RT | EA | 1 | | 3 | | STORM SEWER MANHOLE | |
| | | 492+50.76 | LT | EA | 1 | | | | STORM SEWER MANHOLE | |
| | | 492+78.77 | RT | EA | 1 | | | | STORM SEWER MANHOLE | |
| 425 5 1 | ADJUST MANHOLE (UTILITIES) | 490+74.85 | LT | EA | 1 | | 2 | | MDWASD SS MANHOLE | |
| | | 495+48.53 | LT | EA | 1 | | | | MDWASD SS MANHOLE | |
| 425 6 | ADJUST EXISTING VALVE BOXES | 490+54.19 | LT | EA | 1 | | 9 | | MDWASD WATER VALVE | |
| | | 490+79.09 | LT | EA | 1 | | | | MDWASD WATER VALVE | |
| | | 490+81.57 | LT | EA | 1 | | | | MDWASD WATER VALVE | |
| | | 490+87.41 | RT | EA | 1 | | | | MDWASD WATER VALVE | |
| | | 490+99.05 | LT | EA | 1 | | | | MDWASD WATER VALVE | |
| | | 491+24.86 | LT | EA | 1 | | | | MDWASD WATER VALVE | |
| | | 495+37.78 | RT | EA | 1 | | | | MDWASD WATER VALVE | |
| | | 495+52.68 | LT | EA | 1 | | | | MDWASD WATER VALVE | |
| | | 495+59.67 | LT | EA | 1 | | | | MDWASD WATER VALVE | |

| SUMMARY OF RAILING | | | | | | | |
|------------------------|------|---------------------|---|-------------------------|---|--------------|----------------------|
| LOCATION | SIDE | PED/BICYCLE RAILING | | ALUMINUM BULLET RAILING | | DESIGN NOTES | CONSTRUCTION REMARKS |
| | | 0515 2311 | | 0515 4 1 | | | |
| | | LF | | LF | | | |
| | | P | F | P | F | | |
| 493+53.70 TO 495+19.30 | LT | | | 165.6 | | | |
| 493+53.70 TO 495+00.00 | RT | 146.3 | | | | | |
| | | | | | | | |
| | | | | | | | |
| SUB-TOTAL: | | 146.3 | | 165.6 | | | |
| TOTAL: | | 146 | | 166 | | | |

[illegible]

| REVISIONS | | | | ASA CONSULTANTS, INC. 8935 NW 35th LANE, SUITE 200 DORAL, FL 33172 (754) 216-2027 CARLOS M. RODRIGUEZ, PE; LIC. NO. 79134 | MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT | | | <i>SUMMARY OF QUANTITIES</i> | SHEET NO. |
|-----------|-------------|------|-------------|---|--|------------|-----------------|------------------------------|--------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | PROJECT NUMBER | | |
| | | | | | NE 10 AVE | MIAMI-DADE | EDP-MT-20190196 | | SQ-6 |

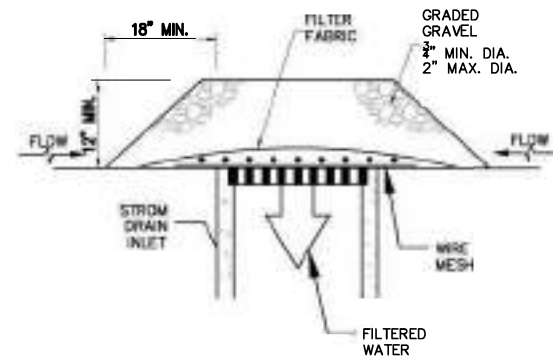
| SUMMARY OF MISCELLANEOUS DRAINAGE ITEMS | | | | | | | | | | |
|---|--------------------------------|----------------------|-------|------|----------|---|--------|---|--------------|----------------------|
| PAY ITEM NO. | PAY ITEM DESCRIPTION | LOCATION | SIDE | UNIT | QUANTITY | | TOTAL | | DESIGN NOTES | CONSTRUCTION REMARKS |
| | | STA. TO STA. | | | P | F | P | F | | |
| | | | | | | | | | | |
| 0530 3 3 | RIPRAP- RUBBLE, BANK AND SHORE | 11+70.00 TO 13+10.00 | LT/RT | TN | 1352.9 | | 1352.9 | | ADEMAR CANAL | |
| 0530 74 | BEDDING STONE | 11+70.00 TO 13+10.00 | LT/RT | TN | 481.7 | | 481.7 | | | |
| | | | | | | | | | | |

| SUMMARY OF GUARDRAIL | | | | | |
|------------------------|------|---------------------|---|--------------|----------------------|
| LOCATION | SIDE | GUARDRAIL - REMOVAL | | DESIGN NOTES | CONSTRUCTION REMARKS |
| STA. TO STA. | | 536 73B | | | |
| | | LF | | | |
| | | P | F | | |
| 492+58.57 TO 492+89.03 | RT | 30.5 | | DISPOSE | |
| 493+49.25 TO 493+87.46 | LT | 38.2 | | DISPOSE | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| SUB-TOTAL : | | 68.7 | | | |
| TOTAL : | | 69 | | | |

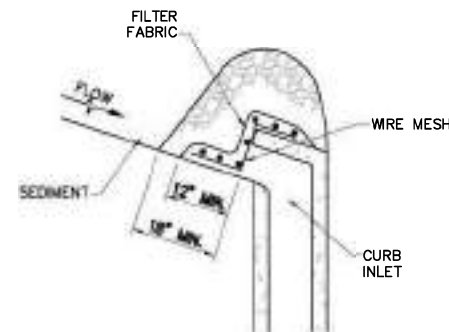
| REVISIONS | | | | ASA CONSULTANTS, INC. 8935 NW 35th LANE, SUITE 200 DORAL, FL 33172 (754) 216-2027 CARLOS M. RODRIGUEZ, PE; LIC. NO. 79134 | MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT | | | SUMMARY OF QUANTITIES | SHEET NO. |
|-----------|-------------|------|-------------|---|--|------------|-----------------|-----------------------|-----------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | PROJECT NUMBER | | SQ-8 |
| | | | | | NE 10 AVE | MIAMI-DADE | EDP-MT-20190196 | | |

| SUMMARY OF SODDING | | | | | | | | |
|------------------------|------|---------|--------|-------|------------------------|---|--------------|----------------------|
| LOCATION | SIDE | AREA ID | LENGTH | WIDTH | PERFORMANCE TURF (SOD) | | DESIGN NOTES | CONSTRUCTION REMARKS |
| | | | | | 575 1 1 | | | |
| | | | | | SY | | | |
| STA. TO STA. | | | | | P | F | | |
| 489+95.25 TO 490+49.88 | RT | 13377 | | | 40.1 | | | |
| 489+95.27 TO 490+62.28 | LT | 13318 | | | 80.6 | | | |
| 490+39.98 TO 490+62.79 | RT | 13385 | | | 15.9 | | | |
| 490+60.20 TO 490+67.25 | LT | 13325 | | | 8.0 | | | |
| 490+88.29 TO 491+45.21 | LT | 13334 | | | 59.6 | | | |
| 490+88.58 TO 491+57.72 | RT | 13392 | | | 133.4 | | | |
| 491+57.21 TO 492+15.21 | LT | 13348 | | | 76.9 | | | |
| 491+69.72 TO 492+86.99 | RT | 13404 | | | 179.3 | | | |
| 491+69.72 TO 492+73.72 | RT | 13435 | | | 26.5 | | | |
| 491+83.20 TO 492+28.75 | RT | 13455 | | | 3.8 | | | |
| 492+28.75 TO 492+68.72 | RT | 13414 | | | 15.3 | | | |
| 492+39.21 TO 492+93.41 | LT | 13358 | | | 33.1 | | | |
| 492+68.72 TO 492+73.72 | RT | 13427 | | | 3.1 | | | |
| 493+38.83 TO 495+32.04 | RT | 13460 | | | 194.8 | | | |
| 495+19.30 TO 495+37.30 | LT | 13470 | | | 8.4 | | | |
| 495+55.24 TO 495+71.85 | RT | 13491 | | | 24.3 | | | |
| 495+60.17 TO 496+00.02 | LT | 13480 | | | 16.2 | | | |
| 495+65.79 TO 496+00.02 | RT | 13502 | | | 32.1 | | | |
| 495+75.69 TO 496+00.02 | LT | 13512 | | | 11.9 | | | |
| | | | | | | | | |
| SUB-TOTAL : | | | | | 963.3 | | | |
| TOTAL : | | | | | 963 | | | |

| REVISIONS | | | | ASA CONSULTANTS, INC. 8935 NW 35th LANE, SUITE 200 DORAL, FL 33172 (754) 216-2027 CARLOS M. RODRIGUEZ, PE; LIC. NO. 79134 | MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT | | | SUMMARY OF QUANTITIES | SHEET NO. |
|-----------|-------------|--|------|---|--|------------|-----------------|-----------------------|-----------|
| DATE | DESCRIPTION | | DATE | | ROAD NO. | COUNTY | PROJECT NUMBER | | SQ-9 |
| | | | | | NE 10 AVE | MIAMI-DADE | EDP-MT-20190196 | | |
| | | | | | | | | | |



DROP INLET
PROTECTION-GRAVEL



CURB INLET
PROTECTION-GRAVEL

GRAVEL APPLICATIONS (TYP.) OR APPROVED ALTERNATIVE

NOTES FOR INLET PROTECTION GRAVEL:

1- INSTALLATION/APPLICATION CRITERIA:

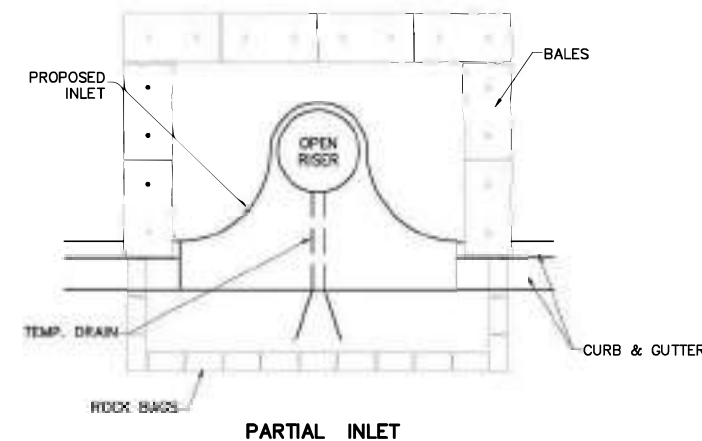
- PLACE WIRE MESH (WITH 1/2 INCH OPENINGS) OVER THE INLET GRATE EXTENDING ONE FOOT PAST THE GRATE IN ALL DIRECTIONS.
- PLACE FILTER FABRIC OVER THE MESH. FILTER FABRIC SHOULD BE SELECTED BASED ON SOIL TYPE.
- PLACE GRADED GRAVEL, TO A MINIMUM DEPTH OF 12 INCHES, OVER THE FILTER FABRIC AND EXTENDING 18 INCHES PAST THE GRATE IN ALL DIRECTIONS.

2- MAINTENANCE:

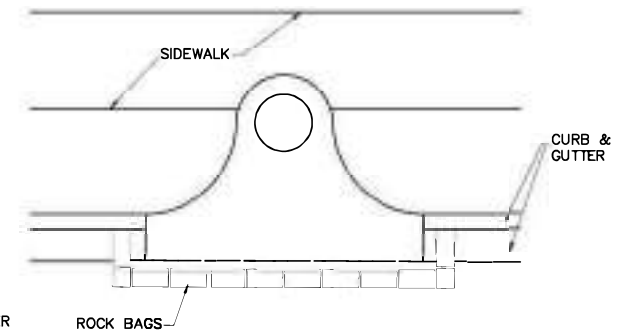
- INSPECT INLET PROTECTION AFTER EVERY LARGE STORM EVENT AND AT A MINIMUM OF ONCE MONTHLY.
- REMOVE SEDIMENT ACCUMULATED WHEN IT REACHES 4 INCHES IN DEPTH.
- REPLACE FILTER FABRIC AND CLEAN OR REPLACE GRAVEL IF CLOGGING IS APPARENT.

3- LIMITATIONS:

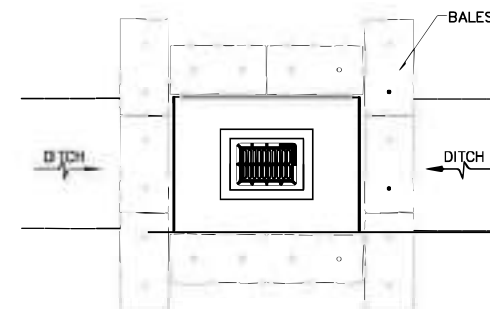
- RECOMMENDED FOR MAXIMUM DRAINAGE AREA OF ONE ACRE.
- EXCESS FLOWS MAY BYPASS THE INLET REQUIRING DOWN GRADIENT CONTROLS.
- PONDING WILL OCCUR AT INLET.



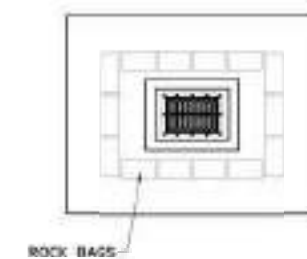
PARTIAL INLET



COMPLETED INLET



DITCH BOTTOM INLET



SWALE INLET

PROTECTION ALONG INLETS WITH ROCK BAGS BALES OR APPROVED ALTERNATIVES

NOTES FOR SYNTHETIC BALES OR BALE TYPE BARRIERS:

- TYPE I AND II SYNTHETIC BARRIER SHOULD BE SPACED IN ACCORDANCE WITH CHART 1, SHEET 1 OF 2010 FDOT DESIGN STANDARDS INDEX 102.
- 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.
- RAILS AND POSTS SHALL BE 2"x4" WOOD. OTHER MATERIALS PROVIDING EQUIVALENT STRENGTH MAYBE USED IF APPROVED BY THE ENGINEER.
- ADJACENT BALES SHALL BE BUTTED FIRMLY TOGETHER.
- 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

P:\Highway\Highway MD 100 STANDARDS\Standard Sheet\INLET-PROTECT SYSTEM-DET.dwg Day 12, 2023 - 11:55am E210533

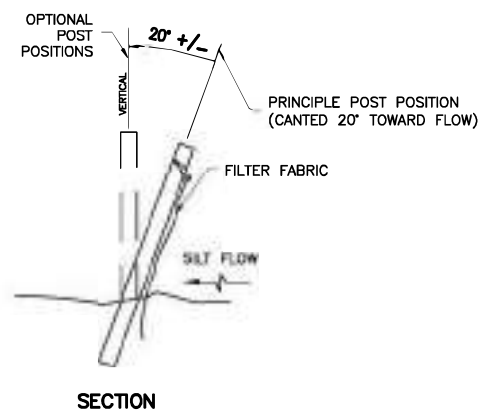
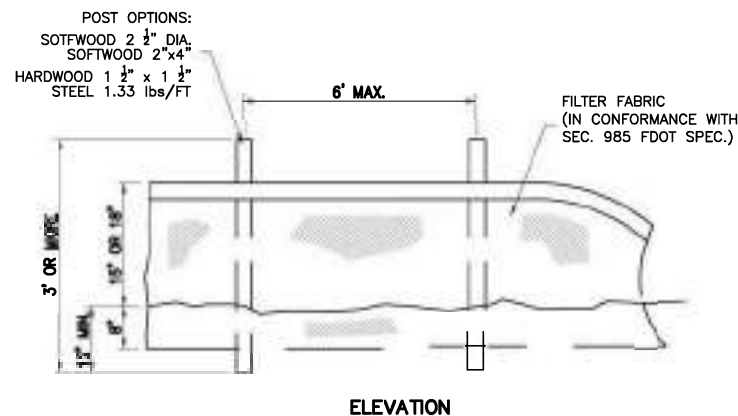
| REVISIONS | | | | | | | | |
|-----------|----|-------------|------|----|-------------|------|----|-------------|
| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

ASA CONSULTANTS, INC.

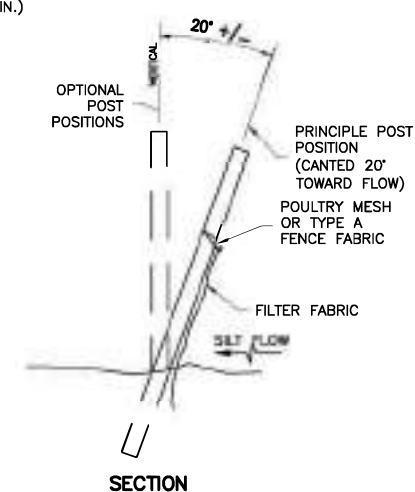
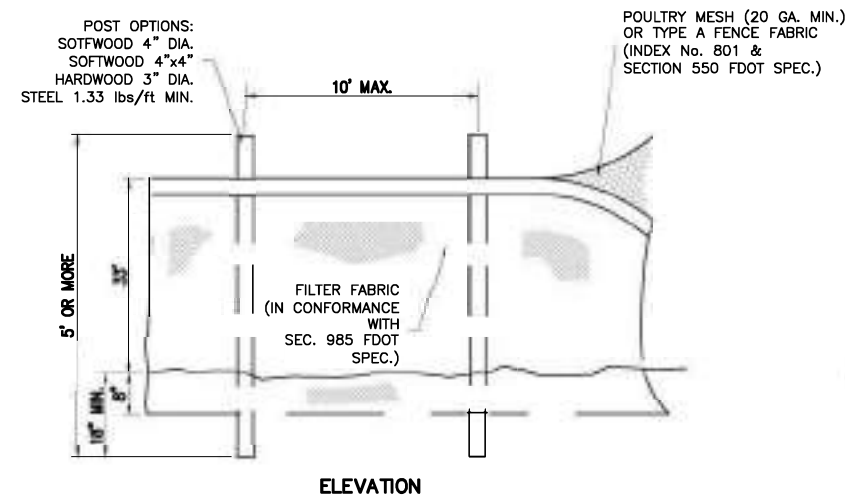
| DESIGNED BY | NAME | DATE | DRAWN BY | NAME | DATE |
|---------------|------|------|------------|------|------|
| | | | | | |
| CHECKED BY | | | CHECKED BY | | |
| | | | | | |
| SUPERVISED BY | | | | | |

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

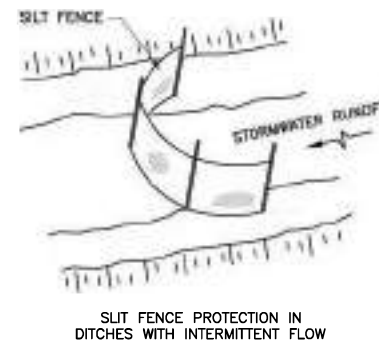
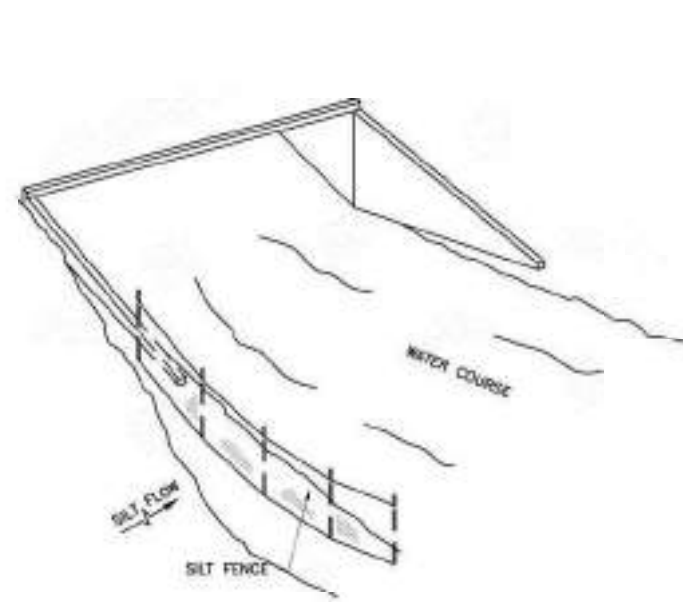
INLET PROTECTION SYSTEMS
DETAILS



TYPE III SILT FENCE (TYP.)



TYPE IV SILT FENCE (TYP.)

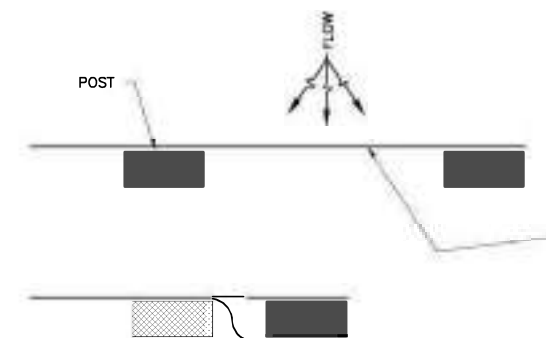


SILT FENCE PROTECTION IN
DITCHES WITH INTERMITTENT FLOW

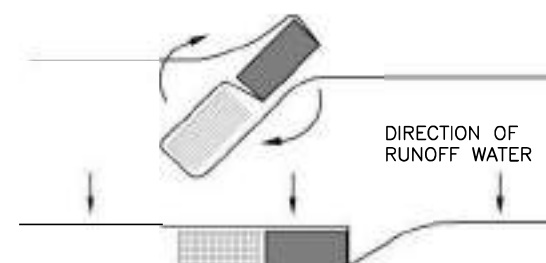


SILT FENCE PROTECTION
AROUND DITCH BOTTOM INLETS

SILT FENCE APPLICATIONS (TYP.)



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

ASA CONSULTANTS, INC.

| DESIGNED BY | NAME | DATE | DRAWN BY | NAME | DATE |
|---------------|------|------|------------|------|------|
| CHECKED BY | | | CHECKED BY | | |
| SUPERVISED BY | | | | | |

| 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
DESIGNED BY: [Name]
DATE: [Date]
DRAWN BY: [Name]
DATE: [Date]
CHECKED BY: [Name]
DATE: [Date]
SUPERVISED BY: [Name]
DATE: [Date]
MIAMI, FLORIDA 33128

SEDIMENT BARRIERS
DETAIL

VERIFIED UTILITY LOCATE SHEET

[illegible]

PROJECT LIMITS: NE 10TH AVENUE BETWEEN NE 83RD STREET AND NE 84TH STREET.

SURVEYOR'S CERTIFICATION

HEREBY CERTIFY THIS SPECIFIC PURPOSE SURVEY WAS MADE FOR THE PURPOSE OF SURVEYING, REFERENCING, DESCRIBING AND MAPPING THE VACUUM EXCAVATION, TEST HOLES, AS MARKED ON THE SURFACE AND SURVEYED BY HADONNE CORP. AND THAT MEETS THE STANDARDS OF PRACTICE SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5J-17 FLORIDA ADMINISTRATIVE CODE PURSUANT TO SECTION 472.027 FLORIDA STATUTES. THIS MAP CONSISTING OF SHEET UTV-1 IS A TRUE, ACCURATE AND COMPLETED DEPICTION OF THE RESULTS OF A FIELD SURVEY PERFORMED UNDER MY DIRECTION AND COMPLETED ON MARCH 29, 2021.

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

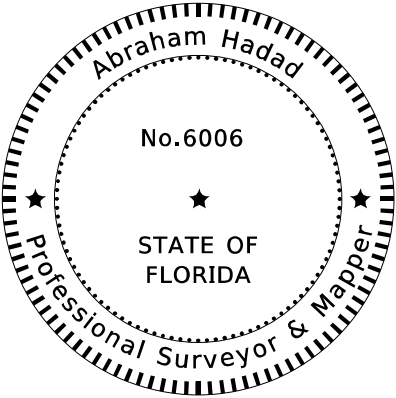
ON THE DATE ADJACENT TO THE SEAL.

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

HADONNE CORP.
1985 NW 88TH COURT, SUITE 101
DORAL, FL 33172
CERTIFICATE OF AUTHORIZATION: LB7097
ABRAHAM HADAD, PSM No. 6006

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

| <u>SHEET NO.</u> | <u>SHEET DESCRIPTION</u> |
|------------------|-------------------------------|
| UTV-1 | VERIFIED UTILITY LOCATE SHEET |



| REVISIONS | | | | ABRAHAM HADAD, PSM SURVEYOR LICENSE NUMBER 6006 HADONNE CORP. 1985 NW 88TH COURT, SUITE 101 DORAL, FL 33172 CERTIFICATE OF AUTHORIZATION No. 7097 | STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION | | | VERIFIED UTILITY LOCATE SHEET | SHEET NO. |
|-----------|-------------|------|-------------|--|--|------------|----------------------|----------------------------------|-----------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | ROAD NO. | COUNTY | FINANCIAL PROJECT ID | | UTV-1 |
| | | | | | NE 10 AVE | MIAMI-DADE | EDP-MT-20190196 | | |
| | | | | | | | | | |

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 5J-17.062, F.A.C.

MIAMI-DADE COUNTY
DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS

PLANS FOR PROPOSED BRIDGE REPLACEMENT

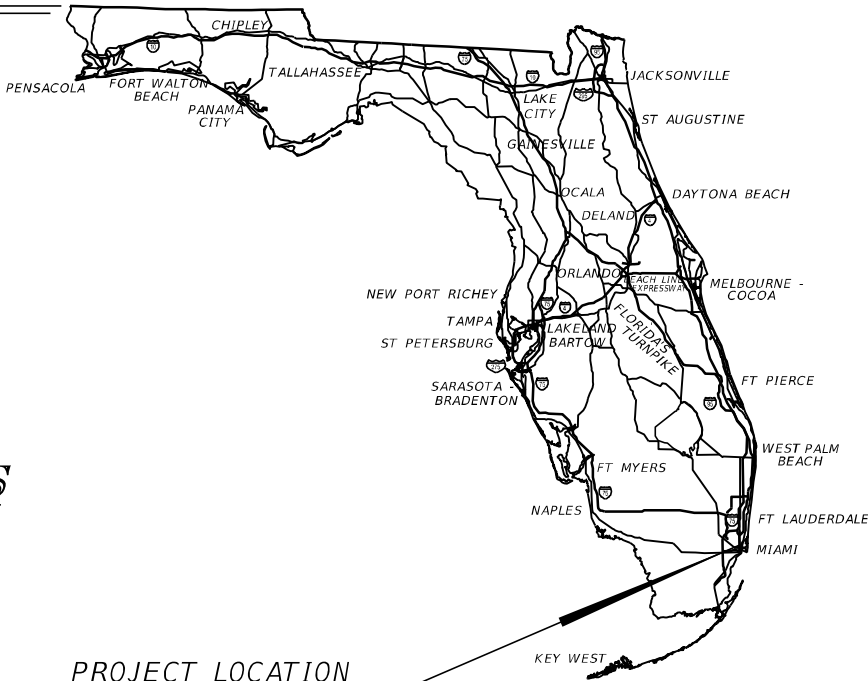
NE 10TH AVENUE BRIDGE 874178 REPLACEMENT
OVER THE ADEMAR CANAL (BRIDGE NO. 874185)
FROM NE 83RD STREET TO NE 84TH STREET

FUNDS: MOBILITY IMPACT FEE (M.I.F.)
MIAMI-DADE COUNTY DTPW PROJECT NO. EDP-MT-20190196

SIGNING AND PAVEMENT MARKING PLANS

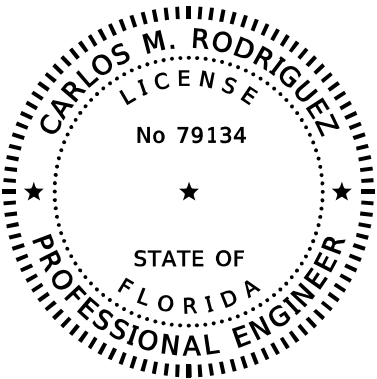
INDEX OF SIGNING AND
PAVEMENT MARKING PLANS

| SHEET NO. | SHEET DESCRIPTION |
|-----------|---------------------------------|
| S-1 | KEY SHEET |
| S-2 | TABULATION OF QUANTITIES |
| S-3 | GENERAL NOTES |
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PROJECT LOCATION

<https://goo.gl/maps/iLpAWRNRXi81vGbv6>



THIS ITEM HAS BEEN DIGITALLY
SIGNED AND SEALED BY:

Carlos Rodriguez Date: 2025.02.04
10:07:51-05'00'

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SIGNING AND
PAVEMENT MARKING PLANS
ENGINEER OF RECORD:

CARLOS M. RODRIGUEZ, P.E.
P.E. NO.: 79134
8935 NW 35TH LANE, SUITE 200
DORAL, FL 33172
754-216-2027
CONTRACT NO.: EDP-PSA-2017 R
VENDOR NO.: F465512620

MIAMI-DADE COUNTY
PROJECT MANAGER:

JAQCUELINE ALCINA, P.E.

| FISCAL YEAR | SHEET NO. |
|----------------|--------------|
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