COMPONENTS OF CONTRACT PLANS SET

WATERMAIN CONSTRUCTION NOTES WATERMAIN PLANS WATERMAIN CONSTRUCTION DETAILS

INDEX OF WATERMAIN PLANS

SHEET NO. SHEET DESCRIPTION

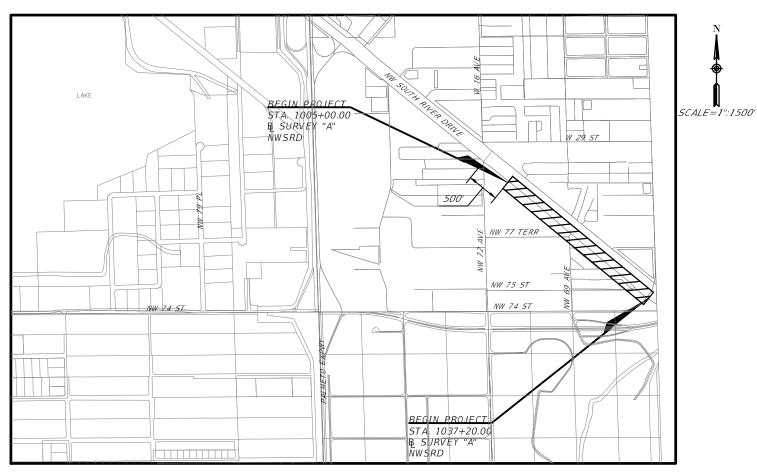
COVER SHEET EXISTING TOPOGRAPHY SURVEY (7 SHEETS) S-1 - S.7 GENERAL NOTES (4 SHEETS) G-1.1 - G-1.4 G-2.0 STORM WATER POLLUTION PREVENTION NOTES & DETAILS C-1.1 - C-1.2LINE AND HORIZONTAL CONTROL PLAN (2 SHEETS) WATERMAIN LAYOUT PLAN (2 SHEETS) WM-1.1 - WM-1.2 WM-2.1 - WM-2.1WATERMAIN CONSTRUCTION NOTES (2 SHEETS) WM-3.1 - WM-3.4 SOFT DIG LOCATION PLAN (5 SHEETS) WATERMAIN PLAN AND PROFILE (7 SHEETS) WM-4.1 - WM-4.7 ENLARGED PLAN VIEW AT NW 74 ST INTERSECTION WM - 5.0WM-6.1 - WM-6.4 WATERMAIN SPECIAL PROFILES (4 SHEETS) WM-7.1 - WM-7.4 WATERMAIN CONSTRUCTION DETAILS (4 SHEETS) MOT-1.0MAINTENANCE OF TRAFFIC DETAILS

TOWN OF MEDLEY DEPARTMENT OF ENGINEERING

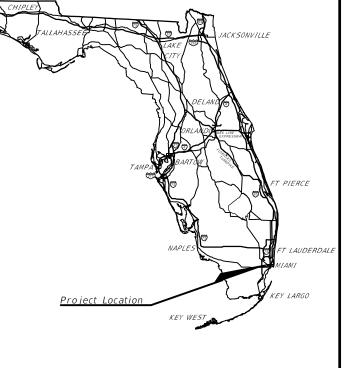


RIVERSIDE NIP WATER DISTRIBUTION
SYSTEM IMPROVEMENTS
REPLACEMENT OF EXISTING ASBESTOS
CEMENT (ACP) WATERMAIN ALONG
NW SOUTH RIVER DRIVE

(FROM NW 72 AVENUE TO 74 STREET) TOWN PROJECT NO. WS-0111



TOWN OF MEDLEY PROJECT MANAGER: JORGE CORZO, P.E. (TOWN ENGINEER)
TOWN OF MEDLEY WATER & SEWER DIRECTOR: JORGE SOTO



TOWN OF MEDLEY COUNCIL

MAYOR: ROBERTO MARTELL

VICE MAYOR: JACK MORROW
COUNCILPERSON: EDGAR AYALA

GRISELIA DIGIACOMO SUSANA GUASCH

PLANS PREPARED BY:



815 NW 57 AVENUE, SUITE 402 MIAMI, FLORIDA 33126 WWW.EACCONSULT.COM CA.# 7011

NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION.

100% SUBMITTAL

JUNE 12, 2015

engineer of record: MICHAEL ADEIFE, P.E.

P.E. NO.: 56094

FISCAL YEAR	SHEET NO.
15	0.0

VOLUME 2 OF 2 CONSTRUCTION PLANS

K	KEY SHEET REVISIONS									
DATE	DESCRIPTION									

A PORTION OF THE PUBLIC RIGHT-OF-WAYS OF NW SOUTH RIVER DRIVE BETWEEN NW 74TH STREET AND NW 72ND AVENUE, LYING IN SECTION 11. TOWNSHIP 53 SOUTH, RANGE 40 EAST, MIAMI-DADE COUNTY, FLORIDA.

SECTION 1) DATE OF FIELD SURVEY:

SURVEYOR'S NOTES:

1. The date of completion of original field Survey was on July 31, 2014.

SECTION 2) GENERAL DESCRIPTION OF THE SURVEY AREA

A portion of the Public Right-of-Ways of NW South River Drive between NW 74th Street and NW 72nd Avenue, lying in Section 11, Township 53 South, Range 40 East, Miami-Dade County,

SECTION 3) ACCURACY:

The accuracy obtained by field measurement methods and office calculations of closed aeometric figures meets and exceeds the Minimum Technical Standards requirement for Suburban area (Linear: 1 foot in 7,500 feet) as defined in Rule 5J-17.051, Florida Administrative Code

Elevations of well identified features as depicted on the Survey Map were measured to an estimated vertical position accuracy of 1/100 of a foot on hard surfaces and 1/10 of a foot on around surfaces

Well identified features as depicted on the Survey Map were measured to an estimated horizontal position accuracy of 1/10 of a foot.

This Map of Survey is intended to be displayed at a scale of One inch equals Thirty feet or smaller.

SECTION 4) SOURCES OF DATA:

North arrow direction is based on an assumed Meridian

Bearings as shown hereon are based upon the Florida State Plane Coordinates, Florida East Zone, North American Datum (NAD) of 1983 adjustment of National Geodetic Survey-Cors 1996 (NAD86/CORS96).

This property appears to be located in Flood Zones "X", "AH" with a Base Flood Elevation of 7.0 Feet, as per Federal Emergency Management Agency (FEMA) Community Number 120649 (Town of Medley), Map Panels No. 12086C0283, 12086C0281, 12086C077 Suffix L, Map Revised Date: September 11, 2009.

Legal Description was furnished by the client.

Public Records of Miami-Dade County Florida.

Plat of "MEDLEY GARDEN HEIGHTS", recorded in Plat Book 59, at Page 79, Public Records of Miami-Dade County Florida.

Centerline of Miami Canal C-6 per Baseline Control Survey prepared for SOUTH FLORIDA WATER MANAGEMENT DISTRICT, sheets 9 through 12 of 21 sheets in total, File No. C-6RW-88-0531D, Drawing NO. C-6-5, last dated OCTOBER, 1988.

All elevations shown hereon are based on the National Geodetic Vertical Datum of 1929, and Benchmarks supplied by the Public Works Department of Miami-Dade County, Florida. The following Benchmarks were used for Vertical Control:

- 1. Benchmark: N-911. Elevation: + 13.80 feet. Located at Dade County Brass Disk in sidewalk at NW corner of bridge over Miami River Canal C-6 (NW 72 Ave), Miami-Dade County, Florida.
- 2. Benchmark: H-335-1. Elevation: + 13.32 feet. Located at Dade County Brass Bar in SE corner of bridge over Miami River Canal C-6 NW. 67 Avenue - Just East of and N Royal Poinciana Blvd - 15 feet North of Centerline, Miami-Dade County, Florida.

For Horizontal Control:

The following Horizontal and Vertical Control Data were obtained from the Florida Permanent Network Web Site (a Florida Reference Station Service Provider, www.myfloridagps.com).

Florida Permanent Network Control Stations:

Name: MIAMI 6 (MIAM) Code: MIAM Geographic Coordinates: Latitude: 25°30' 03.79601" N Longitude: 80°33' 00.43281" W State Plane Coordinates: Northing: 509,427.49 US Feet Easting: 931,640.11 US Feet Creation Date: 08-02-2010 Receiver Type: TRIMBLE NETRS Satellite System: GPS Only Coverage Řadius: 30 km

Name: MIAMI 3 (RICHMOND) Code: RMND Geographic Coordinates: Latitude: 25°36' 49.58922" N Longitude: 80°23' 02.14116" W State Plane Coordinates: Northing: 465,790.41 US Feet Easting: 859,175.16 US Feet Creation Date: 08-02-2010 Receiver Type: LEICA GRX1200PRO Satellite System: GPS Only Coverage Řadius: 30 km

SECTION 5) LIMITATIONS:

The express purpose of this Map of Survey is to depict the capture of horizontal and vertical field data of the constructed improvements on a delimited area for design

Plat of "FLORIDA FRUIT LAND'S COMPANY SUBDIVISION", recorded in Plat Book 2, at Page 17, As to the determination of tree, palm and planting species falls outside the purview of the land surveying practice, all information with respect to same is hereby presented for informational purposes only.

NOTICE: This Document is not full and complete without all pages. (Total of Eighteen

(18) pages)

W 27TH PL W 27TH ST W 26TH PL W 25TH PL NW 77TH TE NW 75TH S MA

SECTION 11 - TOWNSHIP 53 SOUTH - RANGE 40 EAST

Since no other information was furnished other than that is cited in the Sources of Data, the Client is hereby advised that there may be legal restrictions on the Subject Property that are not shown on the Survey Map that may be found in the Public Records of Miami-Dade

NOT TO SCALE

The Surveyor makes no representation as to ownership or possession of the Subject Property by any entity or individual that may appear on the Public Records of this County.

No excavation or determination was made as to how the Subject Property is served by

LOCATION MAP

No improvements were located, other than those shown. No underground foundations, improvements and/or utilities were located or shown hereon.

SECTION 6) CLIENT INFORMATION:

This Topographic Survey was prepared at the insistence of and certified to:

TOWN OF MEDLEY

SECTION 7) SURVEYOR'S CERTIFICATE:

I hereby certify: That this "Topographic Survey" and the Survey Map resulting therefrom was performed under my direction and is true and correct to the best of my knowledge and belief and further, that said "Topographic Survey" meets the intent of the applicable provisions of the "Minimum Technical Standards for Land Surveying in the State of Florida", pursuant to Rule 5J-17.051 through 5J-17.052 of the Florida Administrative Code and its implementing law, Chapter 472.027 of the Florida Statutes.

HADONNE CORP., a Florida Corporation Florida Certificate of Authorization Number LB7097

Abraham Hadad, PSM Sianature Date: Registered Surveyor and Mapper LS6006 State of Florida

NOTICE: Not valid without the signature and original raised seal of a Florida Licensed Surveyor and Mapper. Additions or deletions to Survey Maps by other than the signing party are prohibited without the written consent of the signing party.

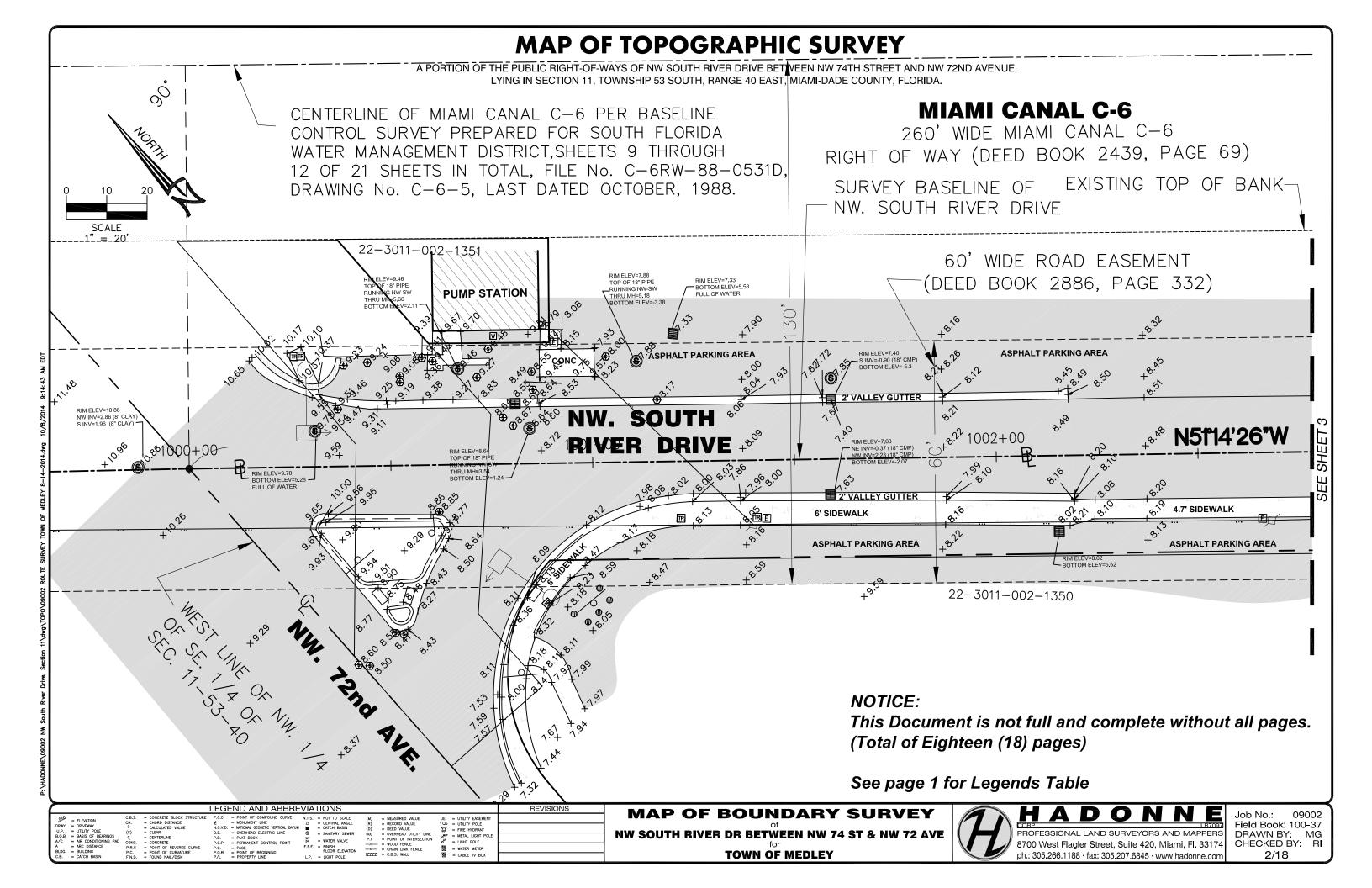
DRWY DMF PG = PAGE = TELEPHONE MANHOLE C.M.E. = DRIVEWAY= RIGHT OF WAY LINE = DRAINAGE MAINTENANCE EASEMENT P = PROPERTY LINE = CANAL MAINTENANCE FASEMENT 40 = FLEVATION = DRAINAGE MANHOLE CANAL MAINTENANCE EASEMENT = ELEVATION = SANITARY SEWER MANHOLE ____ = EASEMENT LINE BLDG. = UTILITY EASEMENT C.B. C.B.S. = BUILDING BL. = BLOCK T.B.M. = TEMPORARY BENCH MARK -O- = IRON FENCE = CATCH BASIN = CLEANOUT = FLAG POLE (C) ___ // ___ = WOOD FENCE CONCRETE BLOCK STRUCTURE = DRAINAGE CATCH BASIN (W) = WATER MANHOLE = CALCULATED = CHAIN LINK FENCE CONC = CENTRAL ANGLE MLP = METAL LIGHT POLE = CENTER LINE F.N.D. __O_ = TRAFFIC SIGN = OVERHEAD UTILITY LINE (M) = MEASURED = CONCRETE Ø = BOLLARD / POST N.G.V.D.= FOUND NAIL/DISK (R) = RECORD= BRICK — = WOOD UTILITY POLE INV. EL BASELINE PR = NATIONAL GEODETIC VERTICAL DATUM — = ANCHOR POLE = SHADE TREE = CONCRETE = INVFRT FLEVATION LP = CONCRETE LIGHT POLE CMP R == PHATIUBSOK = GRAVEL -<>-= CONCRETE POWER POLE = PALM TREE = CORRUGATED METAL PIPE X = FIRE HYDRANT = TILE = SIGNAL MAST ARM E = ELECTRIC BOX T.O.P. = PAVEMENT CATV = WATER VALVE SWK = CABLE TV BOX = TOP OF PIPE = CBS WALL = SEWER VALVE TR **(s)** = SIDEWALK = TRAFFIC SIGNAL BOX

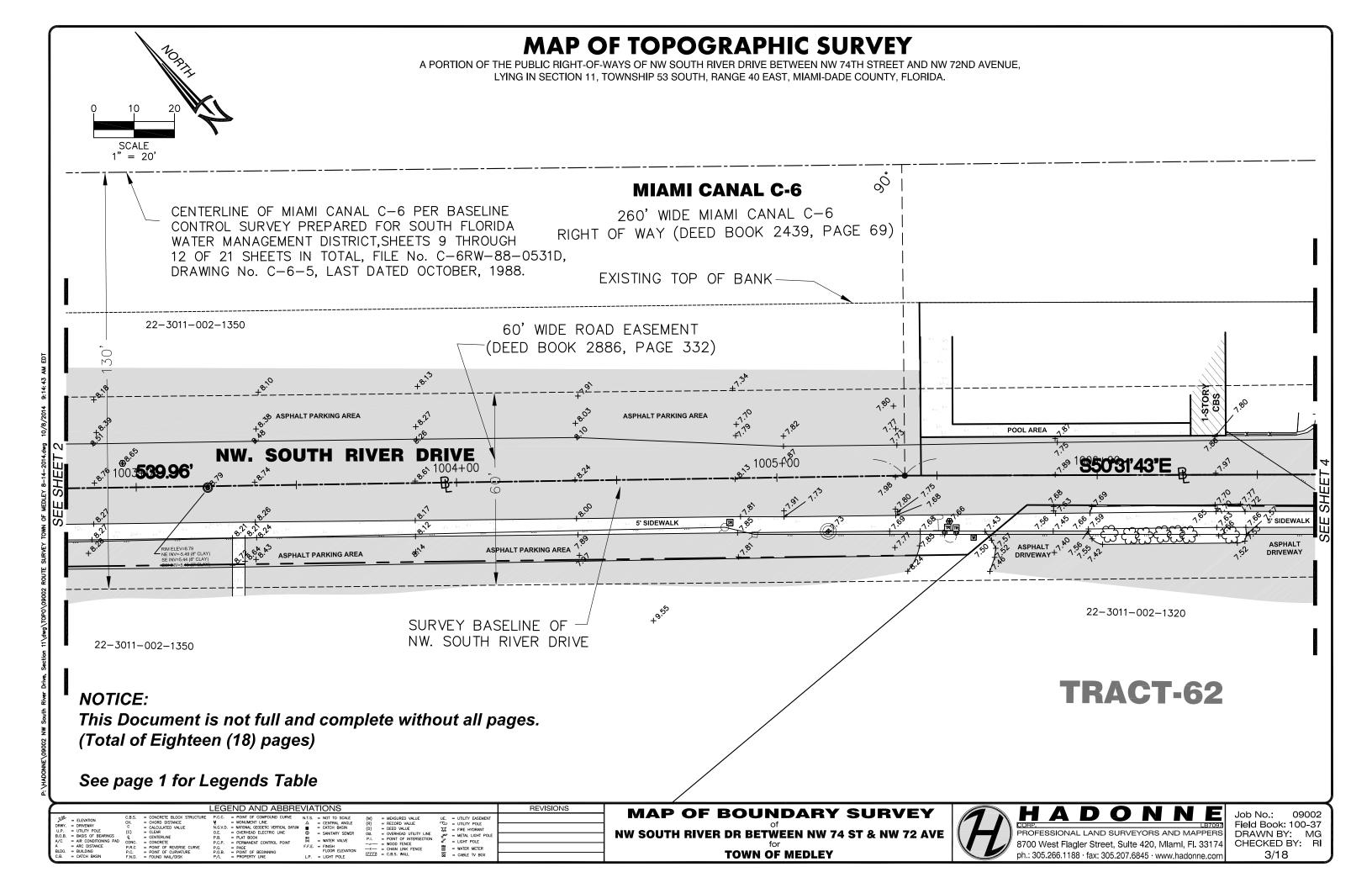
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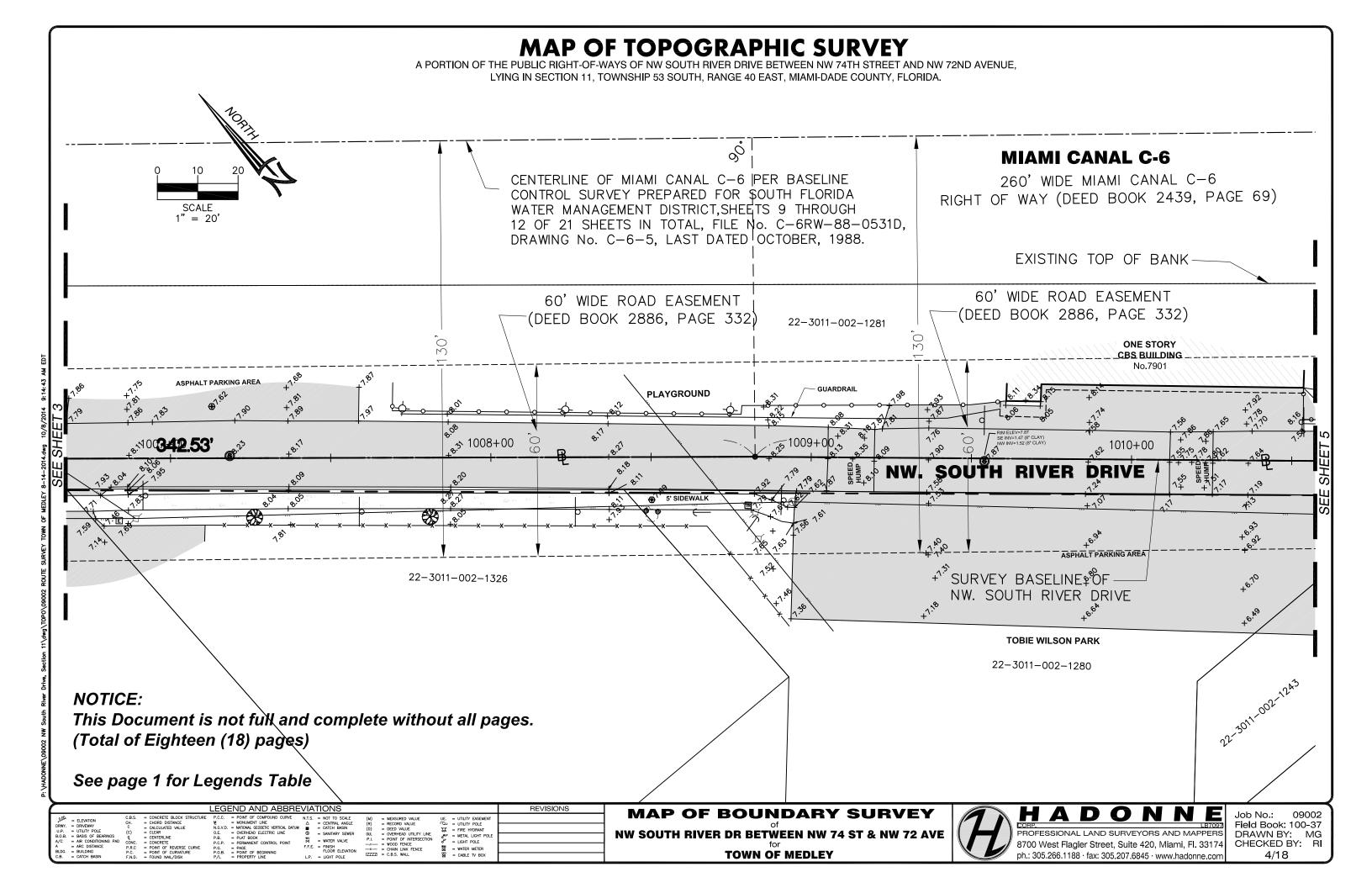
LEGEND AND ABBREVIATIONS REVISIONS **MAP OF BOUNDARY SURVEY** P.C.C. = POINT OF COMPOUND CURVE N.T.S. = NOT TO SCALE M = MONUMENT LINE Δ = CENTRAL ANGLE N.G.V.D. = NATIONAL GEODETIC VERTICAL DATUM = CATCH BASIN DRWY. = DEIZENTION DRWY. = DRIVEWAY U.P. = UTILITY POLE B.O.B. = BASIS OF BEARINGS A/C = AIR CONDITIONING PAI A = ARC DISTANCE BLOG. = BUILDING C.B. = CATCH BASIN CONCRETE BLOCK STRUCTUR CHORD DISTANCE CALCULATED VALUE CLEAR CENTERLINE CONCRETE CONCRETE POINT OF REVERSE CURVE FOUND NAIL/DISK FOUND NAIL/DISK UE. = UTILITY EASEMENT UE. = UTILITY POLE = MONUMENT LINE △ = NATIONAL GEODETIC VERTICAL DATUM ■ = OVERHEAD ELECTRIC LINE ⑤ FIRE HYDRANT NW SOUTH RIVER DR BETWEEN NW 74 ST & NW 72 AVE = OVERHEAD ELECTRIC LINE = PLAT BOOK = PERMANENT CONTROL POINT W = WATER VALVE F.F.E. = FINISH FLOOR ELEVATION POLE P.G. = PAGE P.O.B. = POINT OF BEGINNING P/L = PROPERTY LINE = WATER METER = CABLE TV BOX -x- = CHAIN LINK [ZZZZ] = C.B.S. WALL **TOWN OF MEDLEY**

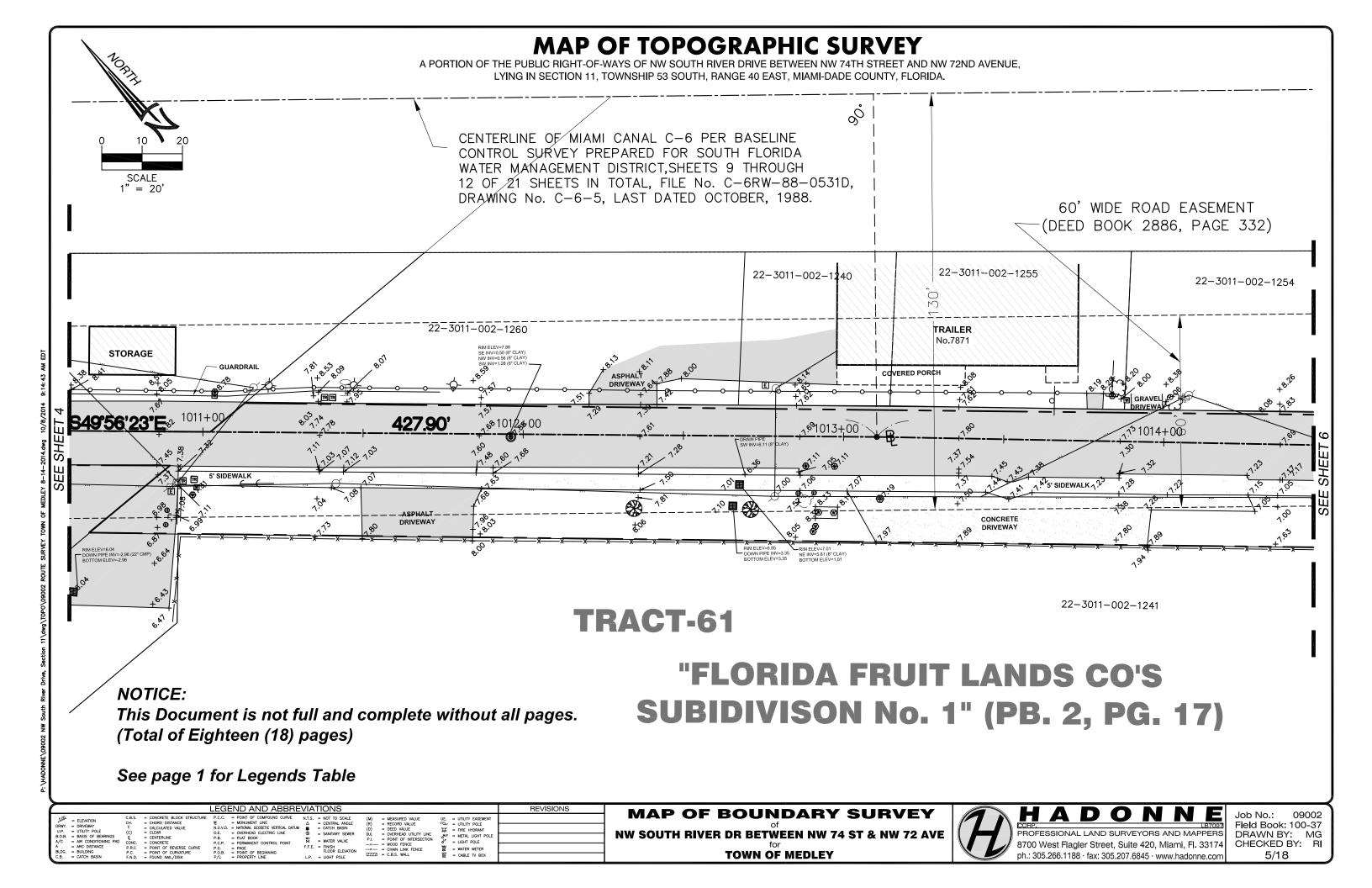


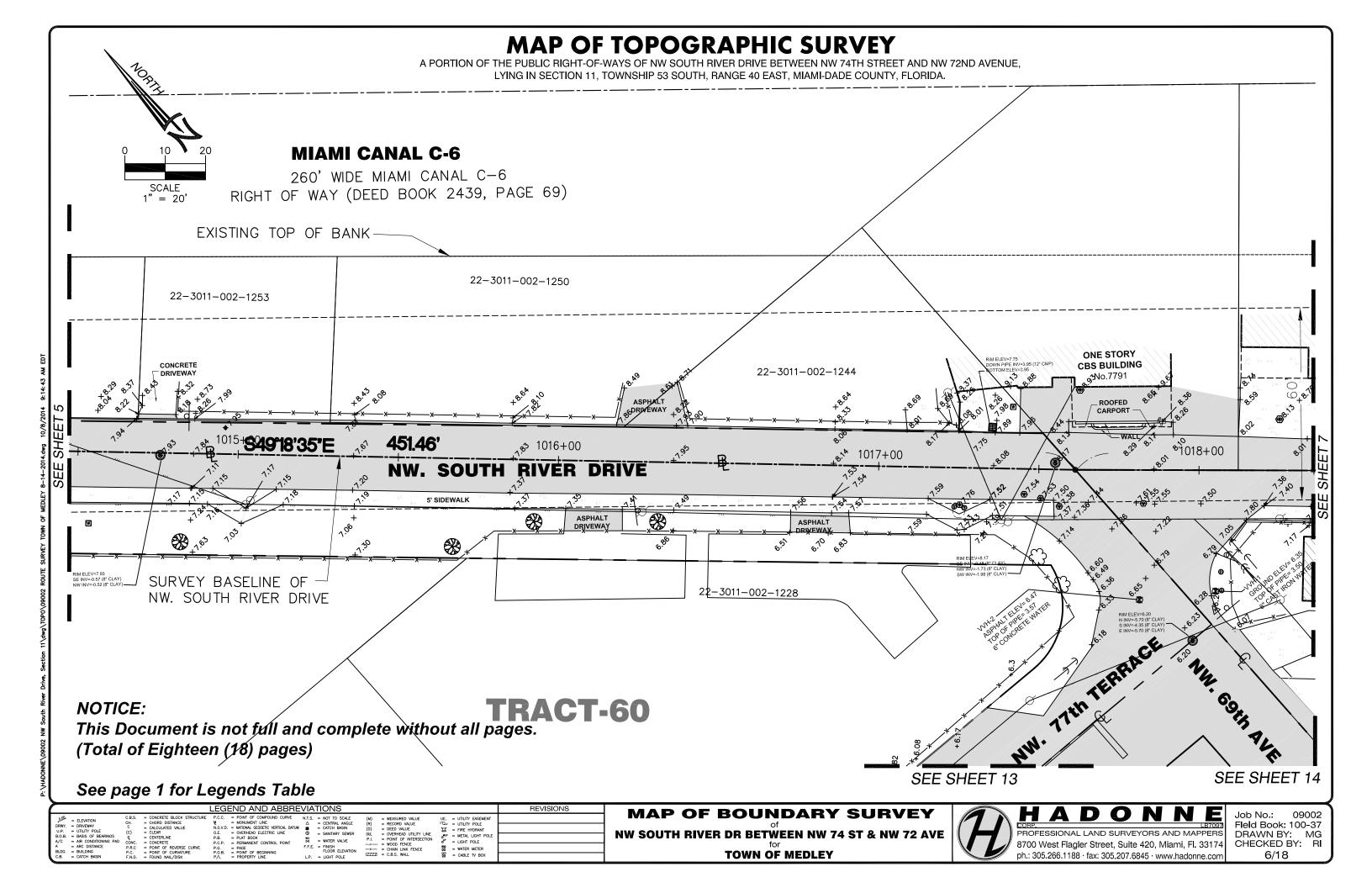
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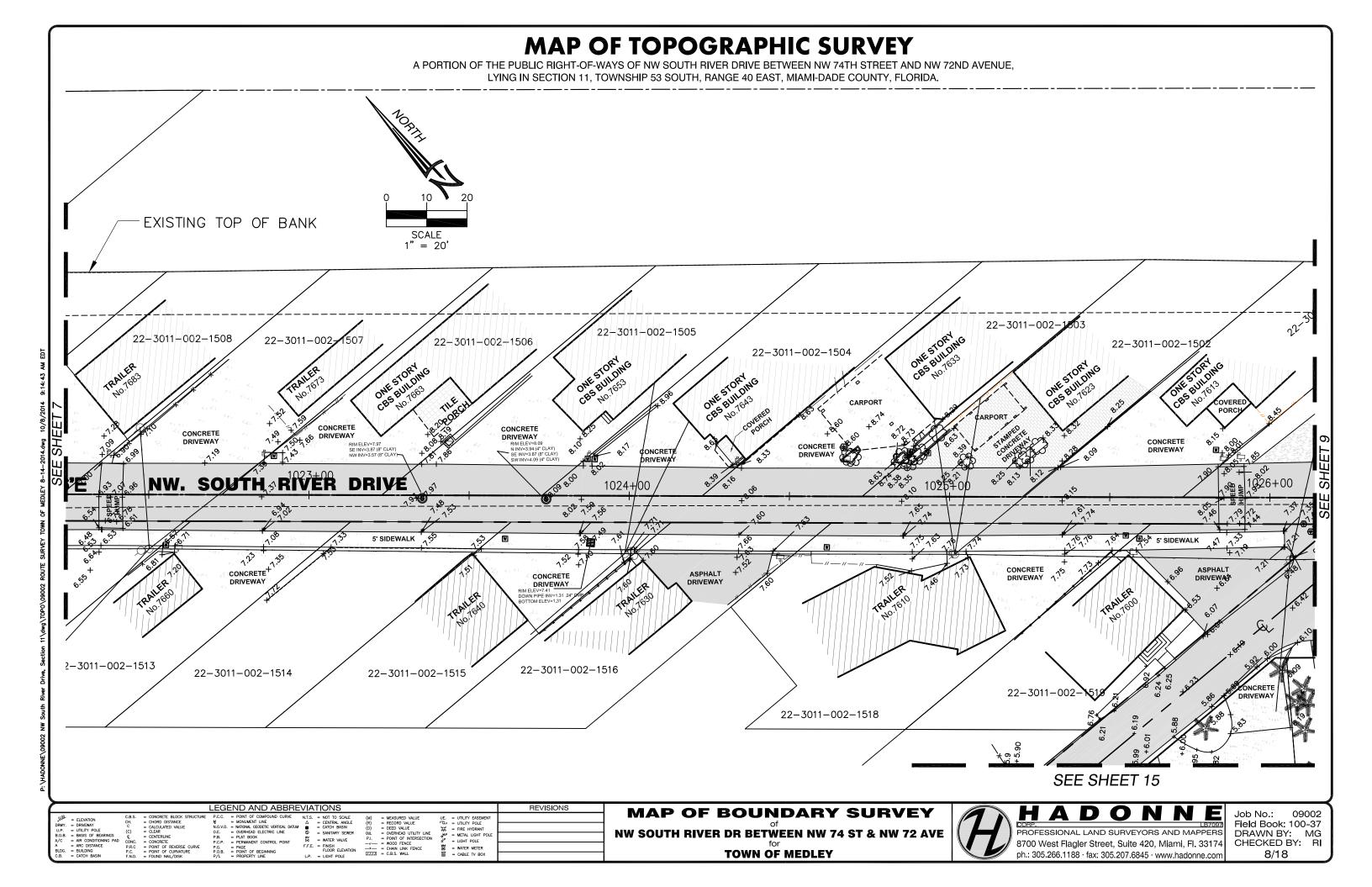


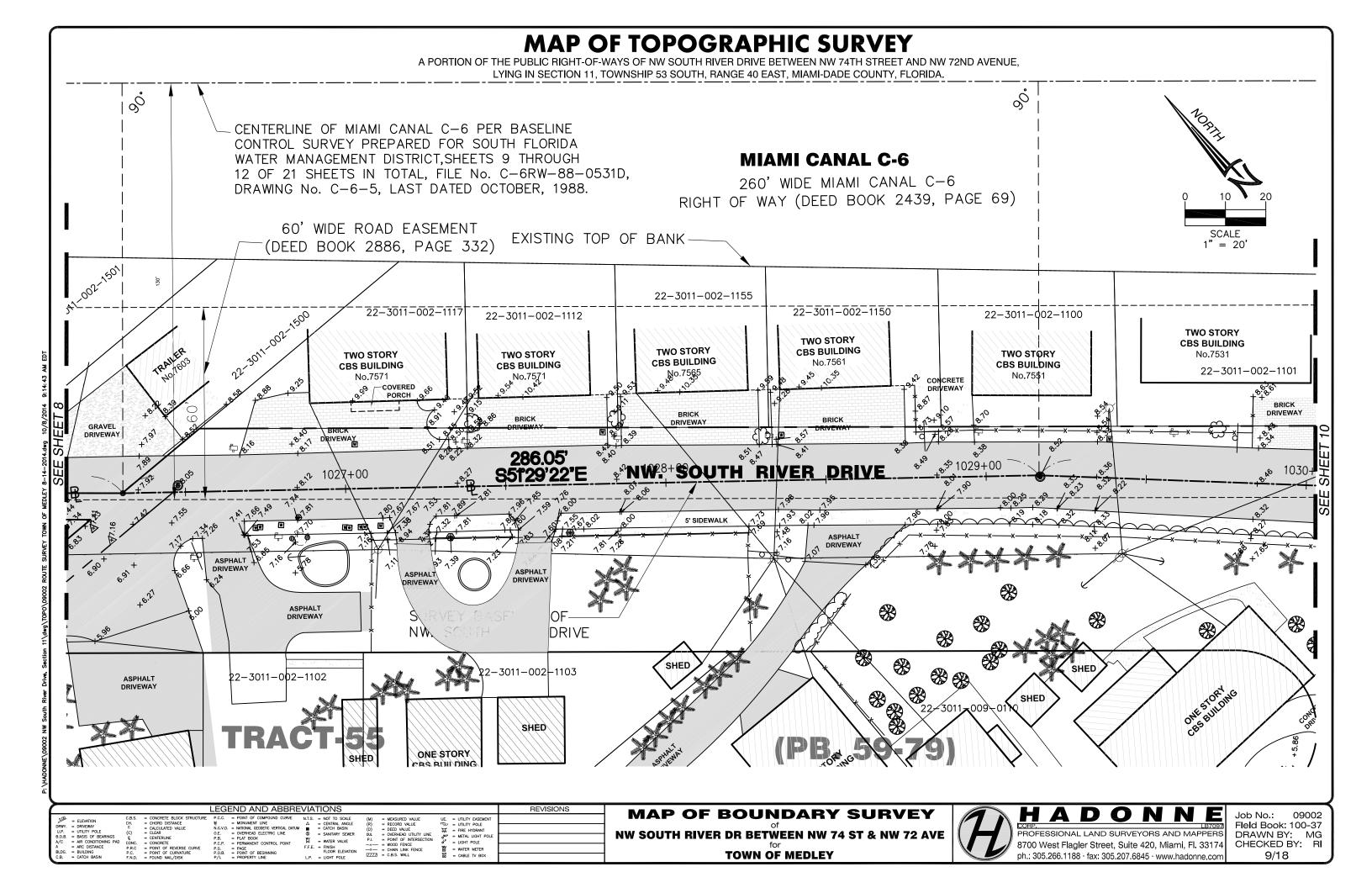


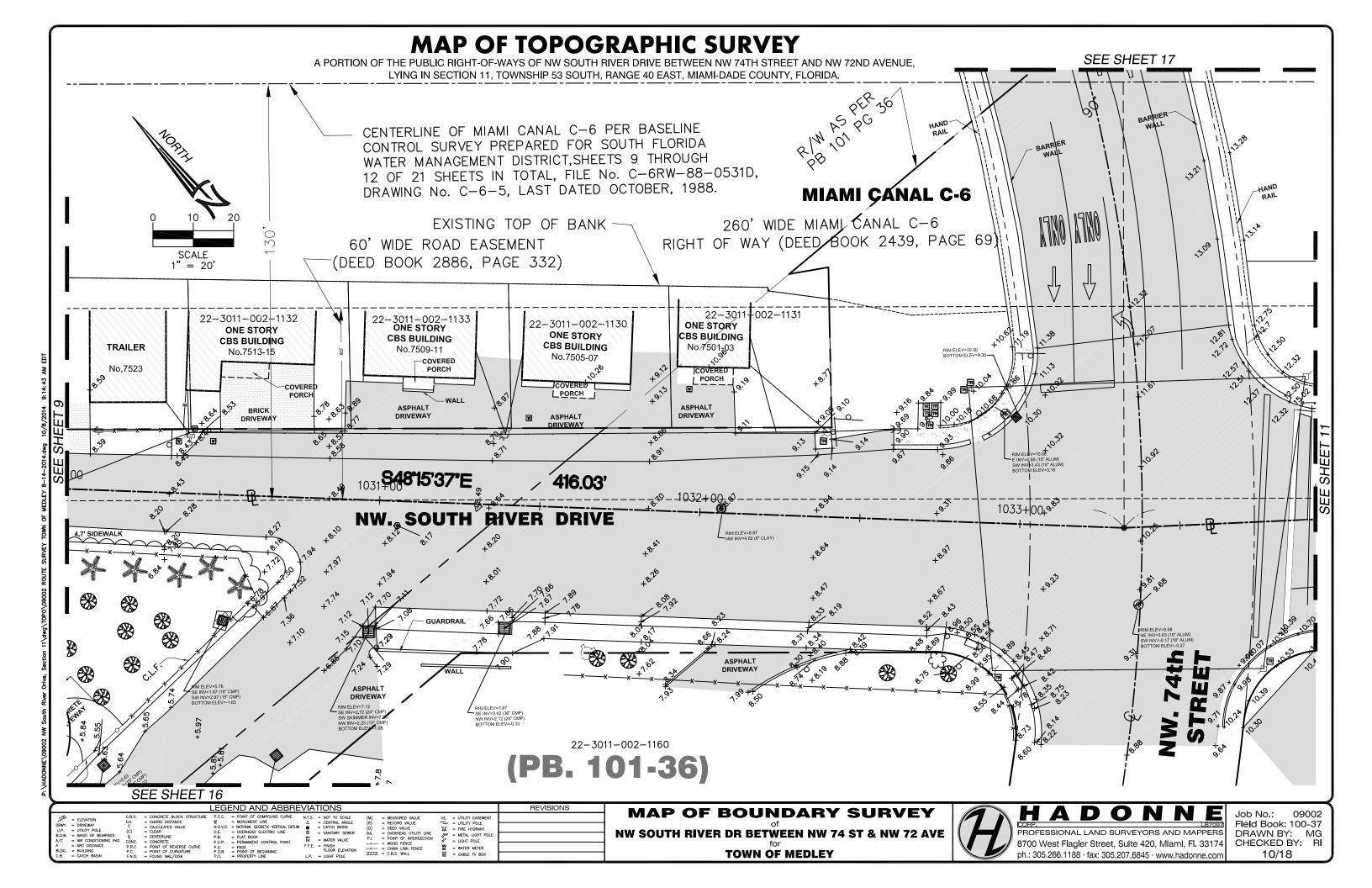
TOWN OF MEDLEY

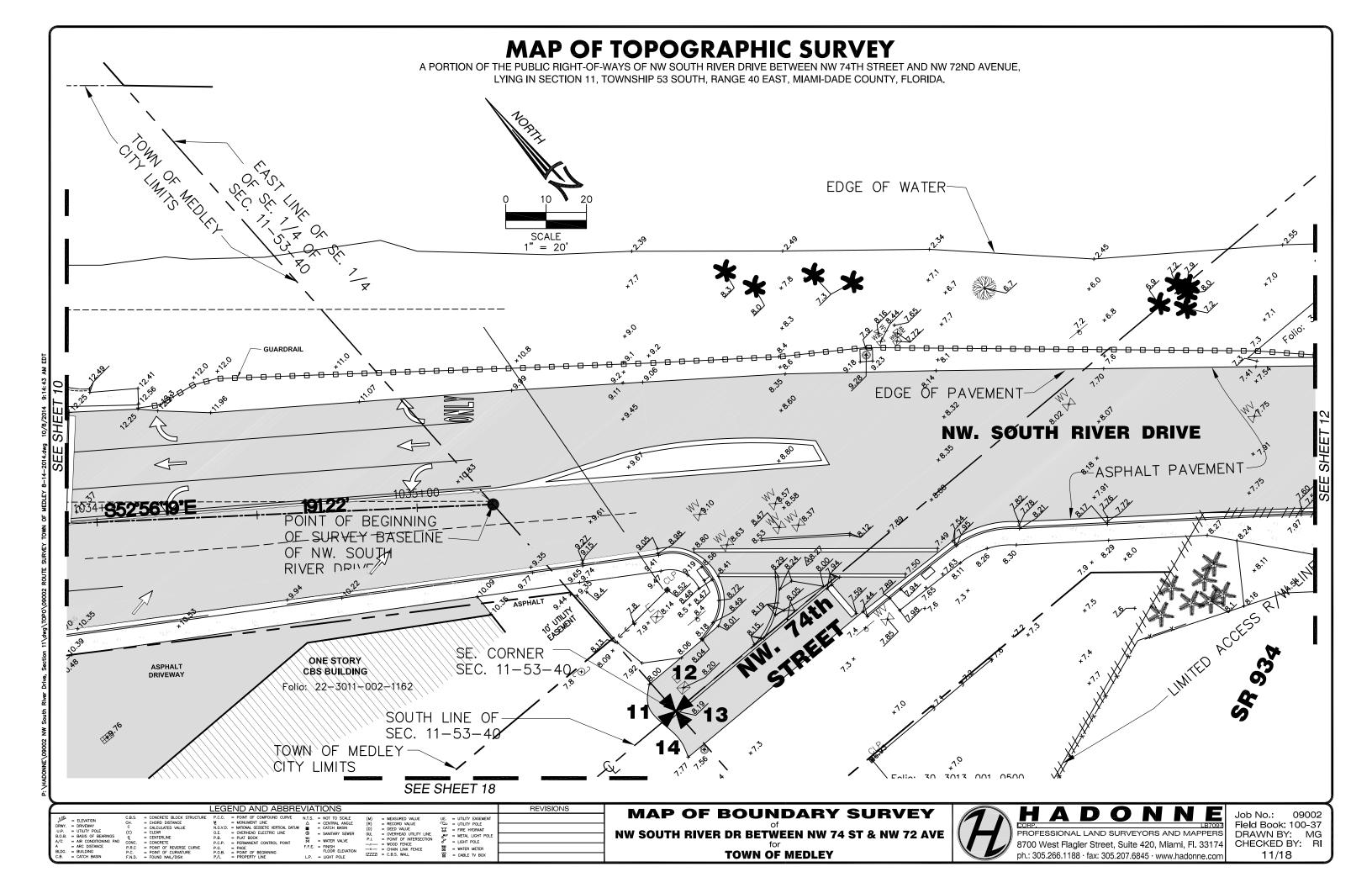
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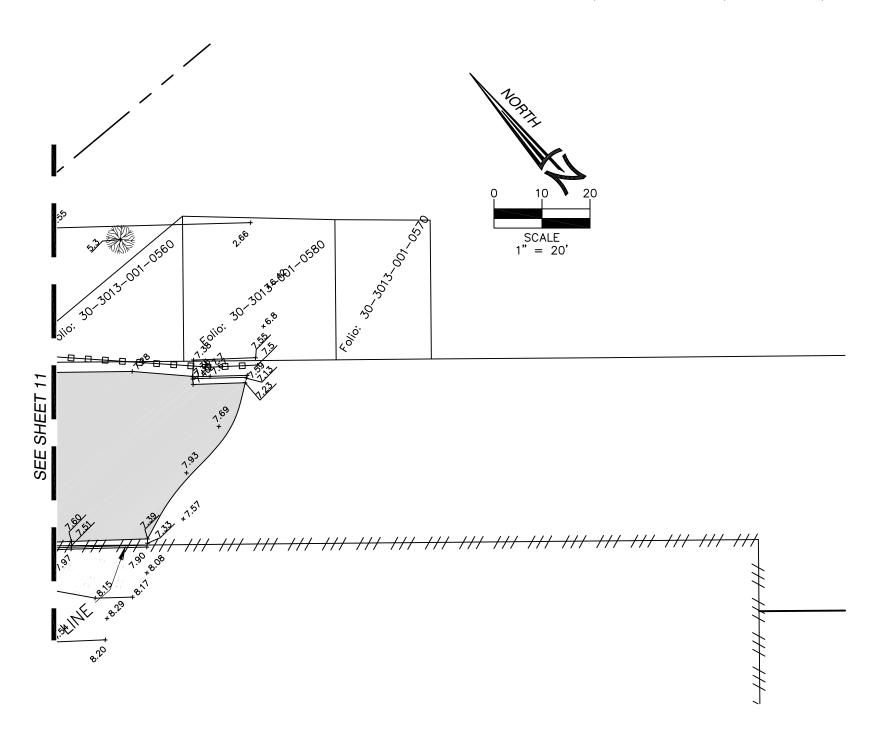






MAP OF TOPOGRAPHIC SURVEY

A PORTION OF THE PUBLIC RIGHT-OF-WAYS OF NW SOUTH RIVER DRIVE BETWEEN NW 74TH STREET AND NW 72ND AVENUE, LYING IN SECTION 11, TOWNSHIP 53 SOUTH, RANGE 40 EAST, MIAMI-DADE COUNTY, FLORIDA.



			LEG	END AND ABBRE	VIA	TIONS					REVISIONS
= ELEVATION CONTINUENCY DRIVEWAY U.P. = UTILITY POLE B.O.B. = BASIS OF BEARINGS A CONDITIONING PAD CA A CONDITIONING PAD CA BLDG. = BUILDING F	C.B.S. CH. C (C) & CONC. P.R.C P.C. F.N.D.	= CONCRETE BLOCK STRUCTURE = CHORD DISTANCE = CALCULATED VALUE = CLEAR = CENTERLINE = CONCRETE = POINT OF REVERSE CURVE = POINT OF CURVATURE = FOUND NAIL/DISK	P.C.C. M N.G.V.D. O.E. P.B. P.C.P. P.G. P.O.B. P/L	POINT OF COMPOUND CURVE MONUMENT LINE NATIONAL GEODETIC VERTICAL DATUM OVERHEAD ELECTRIC LINE PLAT BOOK PERMANENT CONTROL POINT PAGE POINT OF BEGINNING PROPERTY LINE	∆ S WY F.F.E.	= NOT TO SCALE = CENTRAL ANGLE = CATCH BASIN = SANITARY SEWER = WATER VALVE = FINISH FLOOR ELEVATION = LIGHT POLE	—×—	MEASURED VALUE RECORD VALUE DEED VALUE OVERHEAD UTILITY LINE POINT OF INTERSECTION WOOD FENCE CHAIN LINK FENCE C.B.S. WALL	θ	= UTILITY EASEMENT = UTILITY POLE = FIRE HYDRANT = METAL LIGHT POLE = LIGHT POLE = WATER METER = CABLE TV BOX	

MAP OF BOUNDARY SURVEY

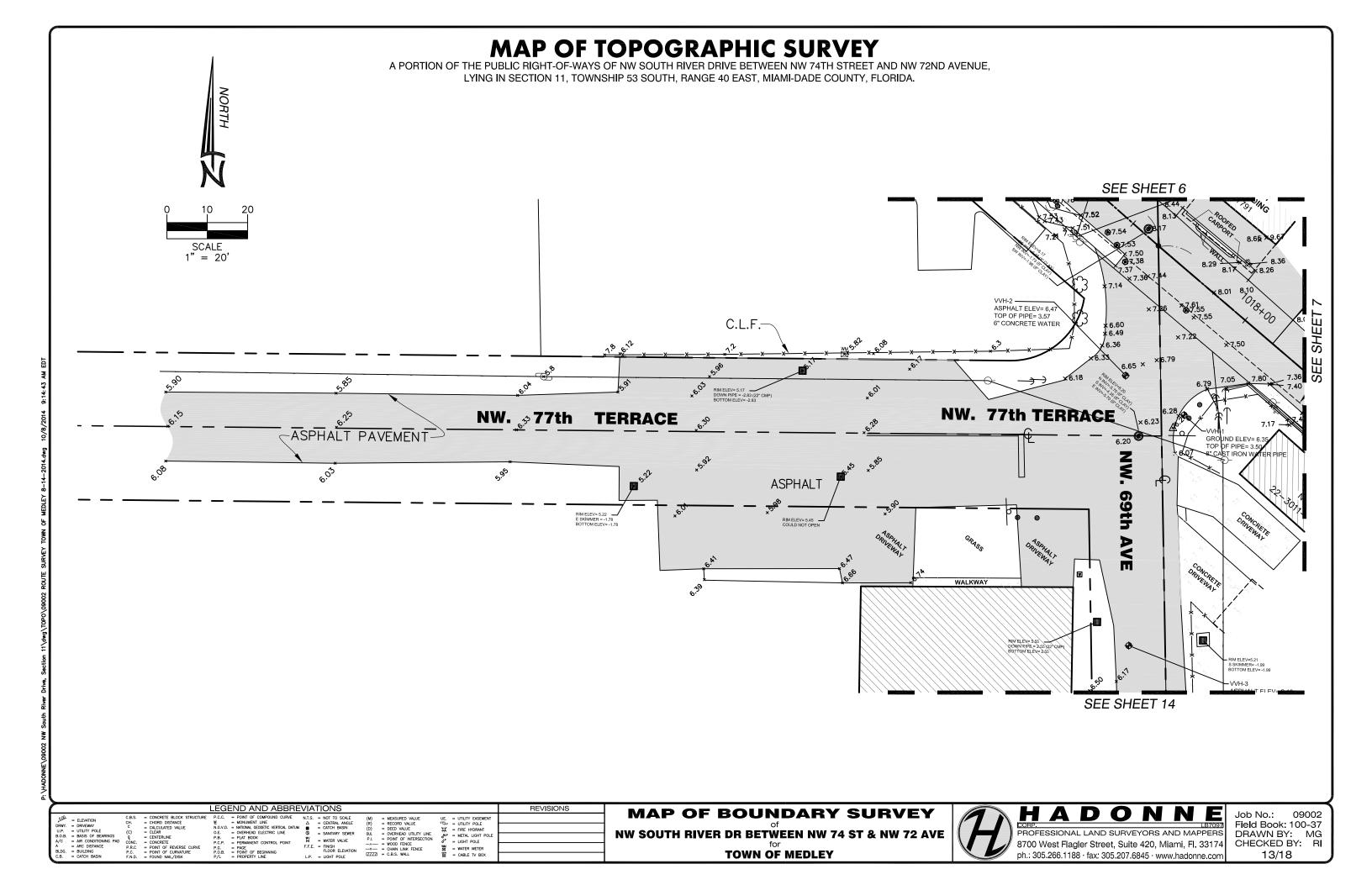
NW SOUTH RIVER DR BETWEEN NW 74 ST & NW 72 AVE

TOWN OF MEDLEY



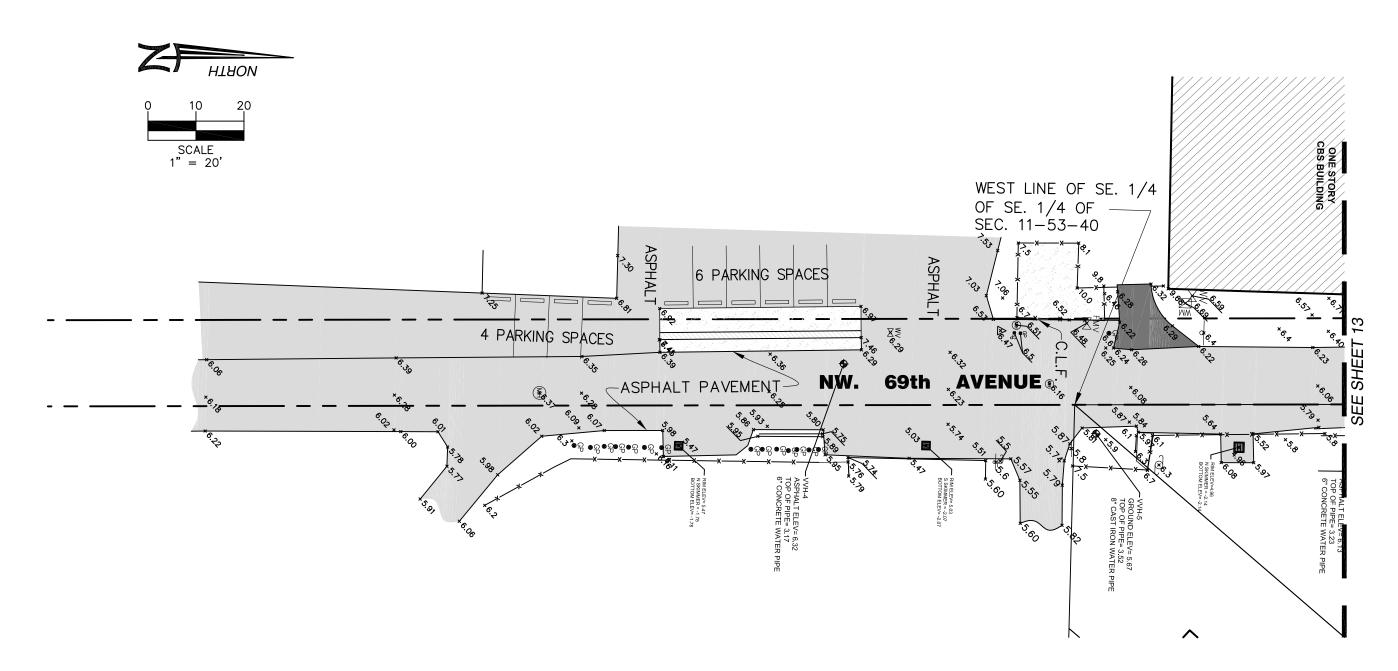
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NNE\09002 NW South River Drive, Section 11\dwg\TOPO\09002 ROUTE SURVEY TOWN OF MEDLEY 8-14-2014.dwg 10/8,



MAP OF TOPOGRAPHIC SURVEY

A PORTION OF THE PUBLIC RIGHT-OF-WAYS OF NW SOUTH RIVER DRIVE BETWEEN NW 74TH STREET AND NW 72ND AVENUE, LYING IN SECTION 11, TOWNSHIP 53 SOUTH, RANGE 40 EAST, MIAMI-DADE COUNTY, FLORIDA.



L	EGEND AND ABBRE	VIATIONS			REVISIONS	
SECONDARY CARPORT	P.C.C.	N.T.S. = NOT TO SCALE Δ = CENTRAL ANGLE = CATCH BASIN S = SANITARY SEWER WY W = WATER VALVE F.F.E. = FINISH FLOOR ELEVATION LIP. = LIGHT POLE	(M) = MEASURED VALUE (R) = RECORD VALUE (U) = DEED VALUE UIL = OVERHEAD UTILITY LINE P.I. = POINT OF INTERSECTION/- = WOOD FENCE = CHAIN LINK FENCE [ZZZZ] = C.B.S. WALL	UE. = UTILITY EASEMENT CD. = UTILITY POLE FIRE HYDRANT W = METAL LIGHT POLE UGHT POLE UGHT POLE W = WATER METER C = CABLE TV BOX		

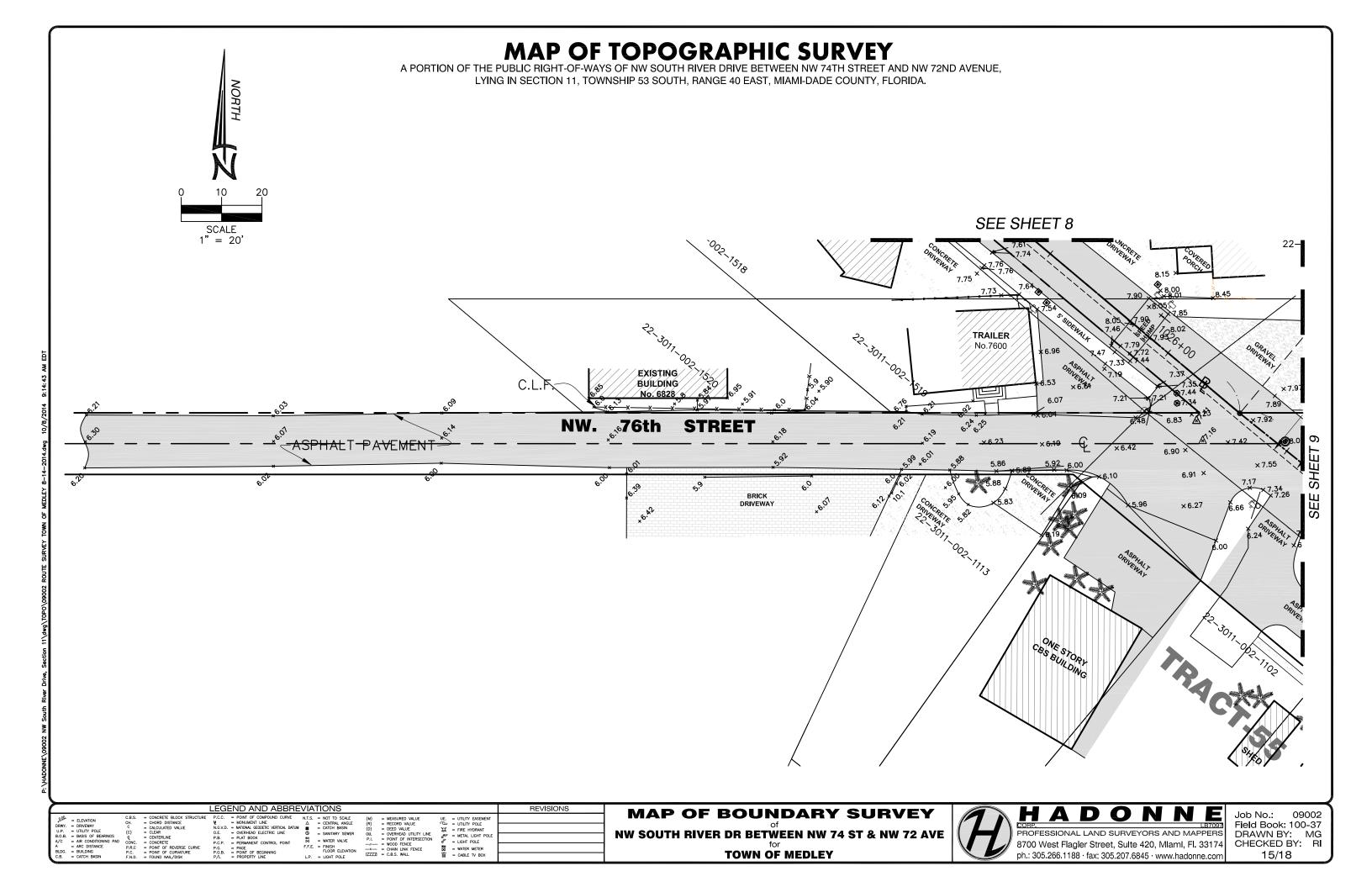
MAP OF BOUNDARY SURVEY

NW SOUTH RIVER DR BETWEEN NW 74 ST & NW 72 AVE

TOWN OF MEDLEY

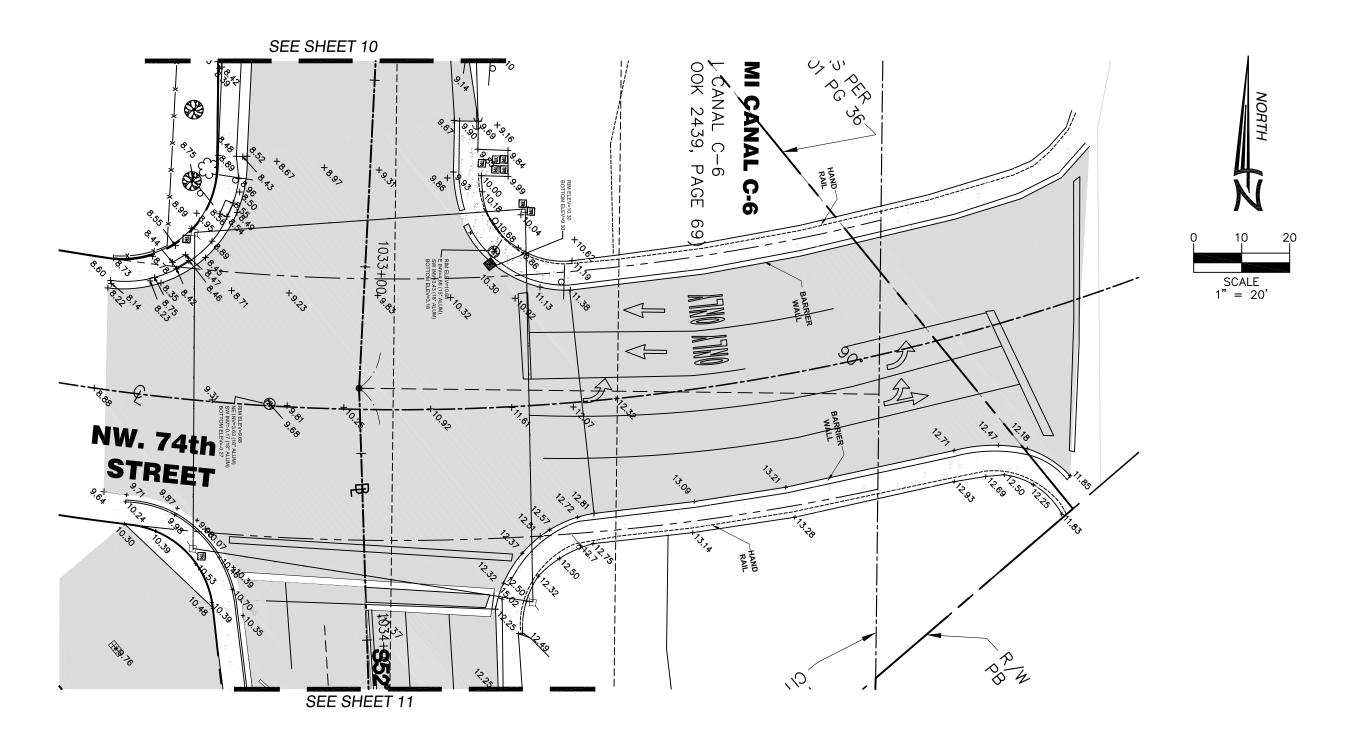


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	LEGEND AND ABBRE	VIATIONS			REVISIONS
	P.C.: POINT OF COMPOUND CURVE M.GV.D. = MONUMENT LIME N.GV.D. = MONUMENT LIME O.E. = OVERHEAD ELECTRIC LIME PLB. PLAT BOOK P.C.P. = PERMANENT CONTROL POINT P.C. = POINT OF BEGINNING P.L. = PROPERTY LIME PROPERTY LIME	N.T.S. = NOT TO SCALE Δ = CENTRAL ANGLE = CATCH BASIN ⑤ = SANITARY SEWER KY = WATER VALVE F.F.E. = FINISH FLOOR ELEVATION L.P. = UGHT POLE	(N) = MEASURED VALUE (R) = RECORD VALUE (D) = DEED VALUE OUL = OVERHEAD UTILITY LINE P.I. = POINT OF INTERSECTION/- = WOOD FENCE	UE. = UTILITY EASEMENT CD. = UTILITY POLE FIRE HYDRANT WE METAL LIGHT POLE UGHT POLE WE WATER METER CONTROL CONTR	

MAP OF BOUNDARY SURVEY

NW SOUTH RIVER DR BETWEEN NW 74 ST & NW 72 AVE

for

TOWN OF MEDLEY



Job No.: 09002 Field Book: 100-37 DRAWN BY: MG CHECKED BY: RI 17/18

TOWN OF MEDLEY

WM = WATER METER

SMY = CABLE TV BOX

8700 West Flagler Street, Suite 420, Miami, Fl. 33174

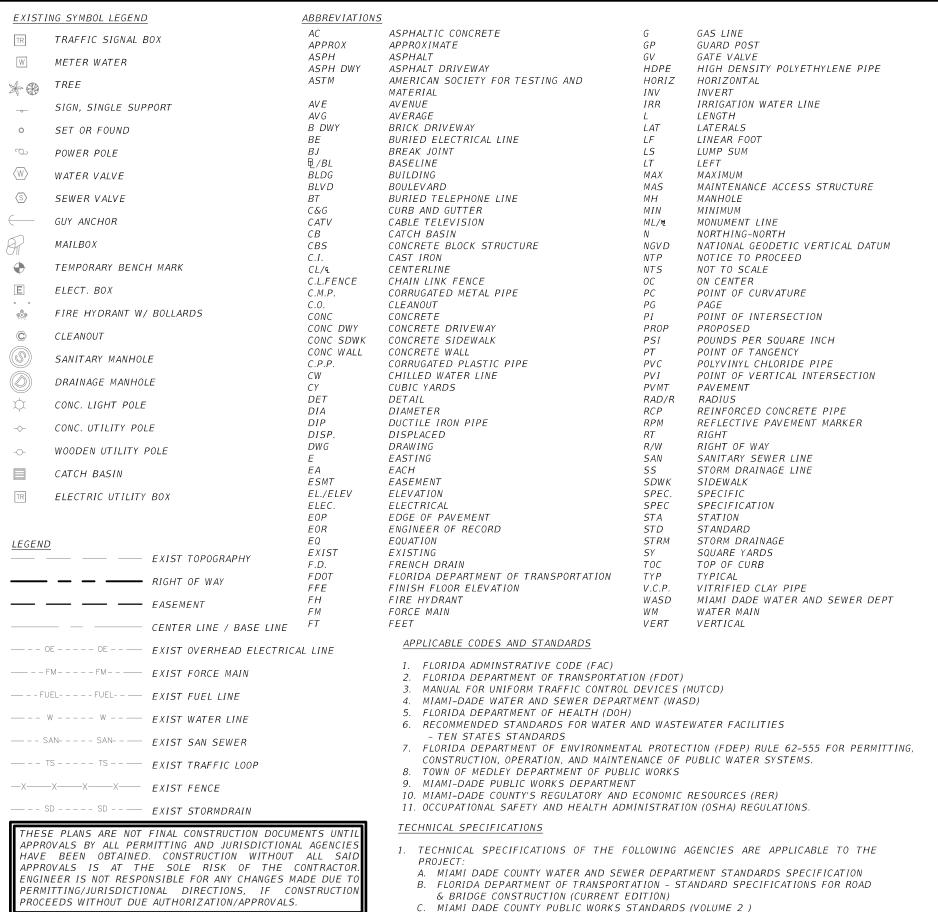
16/18

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MAP OF TOPOGRAPHIC SURVEY A PORTION OF THE PUBLIC RIGHT-OF-WAYS OF NW SOUTH RIVER DRIVE BETWEEN NW 74TH STREET AND NW 72ND AVENUE, LYING IN SECTION 11, TOWNSHIP 53 SOUTH, RANGE 40 EAST, MIAMI-DADE COUNTY, FLORIDA. SEE SHEET 11 × 8.60 × 6.7 10' UTILITY EASEMENT 9.10 SCALE 1" = 20' 8.47 8.57 8.57 × 8.58 8.09 7.9 × ×8.14 PALEMENT ×6.0 74th SHEET 18 STREET 7.56 7.77 × 7.0 7.3 × × 7.1 ×7.4 7.3 × Folio: 30-3013-001-0560 ×7.54 W∨ **⋈**7.75 × 7.0 7.9 × × 7.5 ₃§olio: 30−3013 **(W)** ×6.6 -LIMITED ACCESS R/W4.54INE REVISIONS HADONNE **MAP OF BOUNDARY SURVEY** Job No.: DSW = ELEVATION DRWY. = DRIVEWAY U.P. = UTILITY POLE BASIS OF BEARINGS A/C = AIR CONDITIONING PAGE A = ARC DISTANCE BLOS. = BUILDING C.B. = CATCH BASIN (M) = MEASURED VALUE (R) = RECORD VALUE (D) = DEED VALUE OUL = OVERNEAD UTILITY LINE P.I. = POINT OF INTERSECTION --/- = WOOD FENCE -X- = CHAIN LINK FENCE [ZZZZ] = C.B.S. WALL UE. = UTILITY EASEMENT CO. = UTILITY POLE TO = FIRE HYDRANT WP = METAL LIGHT POLE DESCRIPTION OF THE POLE Field Book: 100-37 NW SOUTH RIVER DR BETWEEN NW 74 ST & NW 72 AVE PROFESSIONAL LAND SURVEYORS AND MAPPERS DRAWN BY: MG 8700 West Flagler Street, Suite 420, Miami, Fl. 33174 CHECKED BY: RI F.F.E. = FINISH FLOOR ELEVATION L.P. = LIGHT POLE WM = WATER METER SATY = CABLE TV BOX **TOWN OF MEDLEY**

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18/18



2. WHENEVER THE SPECIFIED SECTIONS OF THESE PUBLICATIONS ARE UTILIZED FOR THE PROJECT AND ARE IN CONFLICT THE EOR AND THE TOWN SHALL BE NOTIFIED PRIOR TO BIDDING AND BEFORE COMMENCEMENT OF CONSTRUCTION. THE TOWN SHALL NOT BE RESPONSIBLE FOR ANY COST FOR FAILURE OF THE CONTRACTOR TO PROVIDE TIMELY NOTIFICATION ACCORDINGLY

01011 SITE CONDITIONS 01016 SAFETY REQUIREMENTS AND PROTECTION OF PROPERTY 01018 ENVIROMENTAL CONTAMINATION 01031 GRADES, LINES AND LEVELS 01090 REFERENCE STANDARDS 01100 SPECIAL PROJECT PROCEDURES 01150 PRECONSTRUCTION CONFERENCE 01340 SHOP DRAWINGS 010600 MATERIALS AND EQUIPMENT SHIPPING, HANDLING, STORAGE AND PROTECTION 01710 CLEANING 01720 PROJECT RECORD DOCUMENTS 01725 PROJECT AS - BUILTS 01725 PROJECT AS - BUILTS 01740 PERMITS 01750 MAINTENANCE OF TRAFFIC AND PUBLIC STREETS 02230 CLEAVING AND GRUBBING 02260 STEEL SHEET PILING 02315 TRENCHING AND BACKFILL AND FILL FOR STRUCTURAL FACILITY AND UTILITY SYSTEM 02315 TRENCHING AND BACKFILL WIFER SYSTEM FOR PRECAST STRUCTURES 02315 TRENCHING AND BACKFILL STRUCTURES 02745 PAYMENT MARKING AND TRAFFIC SIGNS 02900 LANDSCAPING 03300 CAST-IN-PLACE CONCRETE, REINFORCING AND FORMWORK 03375 FOLDABLE FILL 03400 PRECAST PRESTRESSED CONCRETE 03400 PRECAST PRESTRESSED CONCRETE 03600 GROUT 04060 MORTAR 04082 JOINT REINFORCEMENT 15010 BASIC MECHANICAL REQUIREMENTS 15040 SEAL WATER SYSTEM 15040 SEAL WATER SYSTEM 15060 MIDSCLIANEOUS MATERIALS 15100 VALVES, GENERAL 15100 GATE VALVES 15110 GATE VALVES 15115 CHECK VALVES 15120 GATE VALVES 15130 MISCLIANEOUS MATERIALS 15100 VALVES, GENERAL 15100 CONSTRUCTION EQUIPMENT - GENREAL REQUIREMENTS 15010 BASIC MECHANICAL REQUIREMENT 15010 BASIC MECHANICAL REQUIREMENT 15101 MOBILIZATION 0 CONSTRUCTION EQUIPMENT - GENREAL REQUIREMENTS 15100 FIRE HYDRANTS APPLICABLE FLORIDA DEPARTMENT OF TRANSPORTATION TECHNICAL SPECIFICATION 10 CONSTRUCTION EQUIPMENT - GENREAL REQUIREMENTS 101 MOBILIZATION 10 CONSTRUCTION EQUIPMENT - GENREAL REQUIREMENTS 101 LITTER REMOVAL AND MOWING 10 CLEARING AND GRUBBING 10 CLEARING AND GRUBBING 10 CLEARING AND GRUBBING 11 LITEROROR AND THAT ILL FOR SASE AND STABILIZED BASE 11 THERMOPLASTIC TRAFFIC STRIPES AND MARKING 11 LITEROR OR AND THAT ILL FOR BASE AND STABILIZED BASE		CABLE MIAMI DADE WATER AND SEWER SPECIFICATIONS
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30 EXCAVATION AND EMBANKMENT 33 STARILIZING		

PRIME AND TACK COATS

STABILIZING

LIMEROCK BASE

ASPHALTIC CONCRETE SURFACE COURSE TYPE S-1 ASPHALT CONCRETE SURFACE COURSE

RESTORATION OF TRENCHES

EXCAVATION, TRENCHING AND BACKFILLING FOR PIPE STRUCTURES

EAC Consulting, Inc. CA.# 7011

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TOWN OF MEDLEY DEPARTMENT OF ENGINEERING

NW S RIVER MIAMI-DADE DRIVE 12" WM

GENERAL NOTES (1 OF 4)

SHEET

G.1.1

GENERAL CONSTRUCTION NOTES

- 1. ALL CONSTRUCTION ASSOCIATED WITH THIS PROJECT SHALL BE IN ACCORDANCE WITH APPLICABLE CODES & AUTHORITIES HAVING JURISDICTION, INCLUDING BUT NOT LIMITED TO THE FLORIDA ADMINISTRATIVE CODE, THE MIAMI DADE WATER AND SEWER DEPARTMENT STANDARDS, THE TOWN OF MEDLEY UTILITIES DEPARTMENT, MIAMI-DADE PUBLIC WORKS (AND WASTE MANAGEMENT) DEPARTMENT STANDARDS, THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) AND MIAMI-DADE COUNTY'S REGULATORY AND ECONOMIC RESOURCES (RER). ANY DISCREPANCY MUST BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE TOWN OF MEDLEY & ENGINEER OF RECORD (EOR).
- 2. IT IS THE CONTRACTORS RESPONSIBILITY TO FAMILIARIZE HIMSELF/HERSELF WITH PROJECT SITE & TO DETERMINE ALL TOPOGRAPHIC AND/OR UNDERGROUND FEATURES THAT WILL BE IMPACTED DUE THE PROPOSED SCOPE OF WORK. THE CONTRACTOR SHALL INCLUDE IN HIS/HER BID PRICE, THE COST OF RELOCATING OR REPLACING IN KIND ANY FEATURES THAT WILL BE IMPACTED DUE TO HIS/HER PROPOSED METHOD OF CONSTRUCTION INCLUDING BUT NOT LIMITED TO EXISTING TREES, UTILITY BOXES, SIGNS, FIRE HYDRANTS, GUARDRAILS, UTILITY POLES, VALVES, ETC. NO ADDITIONAL COMPENSATION SHALL BE CONSIDERED BY THE TOWN OF MEDLEY IN THE EVENT THE CONTRACTOR NEGLECTS TO ACCOUNT FOR THIS WORK IN HIS/HER BID PRICE.
- 3. CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL EXISTING TREES, STRUCTURES, & UTILITIES WHICH MAY OR MAY NOT BE SHOWN ON THE PLANS. ANY EXISTING STRUCTURE, PAVEMENT, TREES OR OTHER EXISTING UTILITIES NOT SPECIFIED FOR REMOVAL WHICH IS DAMAGED, EXPOSED OR IN ANY WAY DISTURBED BY CONSTRUCTION PERFORMED, SHALL BE REPAIRED, PATCHED OR REPLACED AT NO ADDITIONAL COST TO THE TOWN OF MEDLEY.
- 4. CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE CALL 811 AT LEAST 72 HOURS PRIOR TO PERFORMING ANY EXCAVATION/DIGGING TO VERIFY THE EXACT LOCATION OF EXISTING UTILITIES. CONTRACTOR SHALL AT HIS/HER EXPENSE ENGAGE THE SERVICES OF A LICENSED AND CERTIFIED S.U.E CONTRACTOR TO LOCATE UTILITIES PRIOR TO CONSTRUCTION.
- 5. ALL TEMPORARY ROADS, FENCES, STRUCTURES, ETC, CONSTRUCTED AS A PART OF THIS PROJECT SHALL BE REMOVED AND THE AREA RESTORED TO ITS ORIGINAL CONDITION PRIOR TO FINAL ACCEPTANCE OF WORK.
- 6. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF/HERSELF WITH CURRENT SITE AND UTILITIES CONDITIONS & SHALL REPORT ANY DISCREPANCIES TO THE TOWN OF MEDLEY & ENGINEER (EOR) PRIOR TO TO BEGINNING ANY CONSTRUCTION OPERATIONS.
- 7. THE LOCATION & SIZE OF ALL EXISTING UTILITIES SHOWN ON THESE DRAWINGS ARE APPROXIMATE. ADDITIONAL UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL VERIFY ALL UTILITIES BY ELECTRONIC METHODS AND/OR BY HAND EXCAVATION IN COORDINATION WITH ALL UTILITY COMPANIES PRIOR TO BEGINNING ANY CONSTRUCTION OPERATION. ALL CONFLICTS OF EXISTING UTILITIES AND PROPOSED IMPROVEMENTS SHALL BE RESOLVED BY THE ENGINEER & THE UTILITY OWNER. THIS WORK BY THE CONTRACTOR SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT & NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR THESE ACTIVITIES.
- 8. WHENEVER OR WHEREVER PUBLIC SECTOR AGENCIES STANDARDS AND SPECIFICATIONS ARE MENTIONED, REFERENCED AND SPECIFIED, THE CONTRACTOR SHALL ENSURE CONFORMANCE WITH CURRENT STANDARDS (AS OF DATE OF CONSTRUCTION COMMENCEMENT) OF THE RESPECTIVE REGULATORY AGENCIES. ANY CONFLICTS BETWEEN THE CURRENT REGULATORY STANDARDS AS OF THE DATE OF CONSTRUCTION COMMENCEMENT AND THE PROPOSED DIRECTIVES FOR THIS PROJECT'S PROPOSED IMPROVEMENT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND THE TOWN PRIOR TO SUBMITTING BIDS FOR PROJECT.
- 9. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO TAKE ADEQUATE MEASURES TO ENSURE SAFETY WHEN WORKING WITHIN THE VICINITY OF OVERHEAD/UNDERGROUND ELECTRICAL, TELEPHONE & OTHER UTILITIES (GAS, CABLE, FUEL, ETC.) PROPER COORDINATION WITH JURISDICTIONAL AUTHORITIES AND UTILITIES OWNERS SHALL BE UNDERTAKEN BY THE CONTRACTOR.
- 10. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR LEAVE EXCAVATED TRENCHES OPEN, UNCOVERED OR EXPOSED AT THE END OF THE WORKING DAY, WEEKENDS, HOLIDAYS OR OTHER TIMES WHEN THE CONTRACTOR IS NOT ACTIVELY WORKING.
- 11. THE CONTRACTOR SHALL KEEP THE SITE REASONABLY FREE FROM DEBRIS, TRASH, & CONSTRUCTION WASTE. CONSTRUCTION MATERIAL AND/OR CONSTRUCTION DEBRIS STORED ADJACENT TO OR UPON THE ROADWAY SHALL BE ADEQUATELY MARKED AT ALL TIMES FOR PEDESTRIAN & TRAFFIC SAFETY.
- 12. CONTRACTOR SHALL ADHERE TO THE MUNICIPAL CODE OF TOWN OF MEDLEY WHICH PROHIBITS EXCAVATION & CONSTRUCTION BEFORE 7:00 AM & AFTER 6:00 PM, MONDAY TO FRIDAY & ALL DAY SATURDAY & SUNDAY, UNLESS OTHERWISE INSTRUCTED BY
- 13. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND/OR APPROVALS PRIOR TO THE START OF CONSTRUCTION INCLUDING BUT NOT LIMITED TO AN NPDES NOI PERMIT & ANY OTHER PERMITS ASSOCIATED WITH THE PROPOSED CONSTRUCTION.
- 14. ANY DEWATERING OPERATIONS REQUIRED FOR CONSTRUCTION SHALL BE APPROVED AND/OR PERMITTED BY MIAMI-DADE COUNTY'S REGULATORY AND ECONOMIC RESOURCES (RER).

- 15. ALL LANDSCAPED/OPEN AREAS, SIDEWALKS, PAVEMENTS & OTHER IMPROVEMENTS IMPACTED BY CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL CONDITION OR BETTER.
- 16. IN THE EVENT CONTAMINATED MATERIALS ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY ADVISE THE TOWN OF MEDLEY, E.O.R & THE MIAMI-DADE COUNTY'S REGULATORY AND ECONOMIC RESOURCES (RER).
- 17. ANY MATERIAL REMOVED FROM THIS PROJECT SHALL BE DISPOSED IN ACCORDANCE TO THE LAW BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE TOWN OF MEDIEY.
- 18. MAINTENANCE OF TRAFFIC (MOT) PLANS FOR THE CONSTRUCTION OF PROJECT SHALL BE PREPARED BY CONTRACTOR. THE CONTRACTOR SHALL HAVE SAID PLANS APPROVED BY THE TOWN OF MEDLEY & MIAMI-DADE COUNTY'S TRAFFIC ENGINEERING DIVISION PRIOR TO CONSTRUCTION. THE COST ASSOCIATED WITH THIS EFFORT SHALL BE REFLECTED IN THE BID. NO ADDITIONAL COMPENSATION SHALL BE GRANTED BY THE TOWN OF MEDLEY FOR MOT COSTS ASSOCIATED WITH THIS PROJECT AFTER PROJECT AWARD. MOT PLANS SHALL INCLUDE BUT NOT LIMITED TO MESSAGE BOARDS TO INFORM DRIVERS OF CONSTRUCTION ON ROADWAY, AND MAINTAINING TRAFFIC FLOW. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR NOTIFYING ALL SCHOOLS & EMERGENCY SERVICES WITHIN THE VICINITY OF THE PROJECT LIMITS ABOUT THE CONSTRUCTION SCHEDULE.
- 19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING ALL PAVEMENT MARKINGS WITH NEW STRIPING (PAINT AND THERMOPLASTIC) IN THEIR PRE-CONSTRUCTION LOCATIONS AND IMPROVED CONDITIONS ACCEPTABLE TO THE EOR AND THE TOWN OF MEDLEY, THE CONTRACTOR SHALL SURVEY THE LOCATIONS, DIMENSIONS, COLOR, & OTHER RELEVANT CHARACTERISTICS OF THE EXISTING PAVEMENT STRIPING PRIOR TO EXCAVATION. FINAL PAVEMENT STRIPING MUST BE THERMOPLASTIC IN ACCORDANCE WITH FDOT STANDARDS. ALL CONSTRUCTION WORK EFFORT ASSOCIATED WITH THIS ITEM MUST BE INCLUDED IN THE BID PRICE. IN THE EVENT THAT THE CONTRACTOR NEGLECTS TO INCLUDE THIS COST IN BID PRICE. THEN THE CONTRACTOR SHALL COMPLETE THE REQUIRED STRIPING WORK AT HIS/HER OWN EXPENSE.
- 20. IN THE EVENT THAT THERE IS ANY EXISTING STRIPING THAT DOES NOT CONFORM TO THE CURRENT CODES OR STANDARDS, THE CONTRACTOR MUST NOTIFY THE ENGINEER, & THE TOWN OF MEDLEY AHEAD OF CONSTRUCTION.
- 21. THE TOPOGRAPHIC SURVEY DATED 07/31/14 WAS PREPARED BY RAUL IZQUIERDO, PSM (LS#6099). HADONNE CORP. FLORIDA.
- 22. SURVEY MONUMENTS WITHIN THE LIMITS OF THE PROJECT SHALL BE PROTECTED.
- 23. THE CONTRACTOR SHALL INFORM THE TOWN OF MEDLEY & E.O.R. AT LEAST 72 HOURS PRIOR TO COMMENCING CONSTRUCTION.
- 24. THE CONTRACTOR SHALL COMPLY WITH ALL HORIZONTAL & VERTICAL SEPARATION REQUIREMENTS AS STATED IN THE FLORIDA ADMINISTRATIVE CODE (F.A.C.) RULE 62-555.314..
- 25. THE CONTRACTOR SHALL ENSURE THAT PRECISE RECORDS ARE TAKEN PRIOR TO BACKFILLING OVER UTILITIES. AS-BUILTS SHALL CONFORM TO APPLICABLE STANDARDS & REQUIREMENTS STIPULATED BY THE TOWN OF MEDLEY. AS WELL AS ALL APPLICABLE JURISDICTIONS.
- 26. ALL WORK ADJACENT TO EXISTING PIPES SHALL BE PERFORMED WITH CARE TO PREVENT DAMAGE TO THE INTERIOR WALL OR LINING OF THE PIPE. ANY PIPE SECTION WITH DAMAGED INTERIOR WALLS OR LININGS MUST BE REPLACED AT NO ADDITIONAL EXPENSE TO THE TOWN OF MEDLEY.
- 27. CONTRACTOR SHALL COMPLY WITH ALL LOCAL AIR QUALITY AND POLLUTION CONTROL REGULATIONS THAT PERTAIN TO CONSTRUCTION ACTIVITIES. ALL COST FOR CONTROLLING DUST OR POLLUTION OF ANY KIND SHALL BE INCIDENTAL TO THE CONTRACT.
- 28. EQUIPMENT FLUIDS AND OIL SPILLAGE SHALL BE CLEANED UP PROMPTLY ON ACCORDANCE WITH REGULATORY REQUIREMENTS AND STANDARDS.
- 29. THE CONTRACTOR SHALL NOTE IN THE RECORD DRAWINGS ANY AND ALL PIPES, DUCTS AND CABLES FOUND DURING THE PROGRESS OF THE PROJECT. INDICATE EXACT POSITION, ELEVATION, DIRECTION, SIZE, MATERIAL, PURPOSE AND ACTIVE STATUS IF KNOWN.
- 30. ALL WORK MATERIALS MUST BE PROTECTED AGAINST WEATHER IMPACTS.
- 31. CERTIFICATE OF COMPLETION OF PROJECT IN ACCORDANCE WITH CONSTRUCTION DOCUMENTS SHALL NOT BE ISSUED BY E.O.R. TO AGENCIES HAVING JURISDICTION UNLESS ALL REQUIREMENTS FOR CONSTRUCTION WORK ARE COMPLIED WITH BY THE CONTRACTOR AND CERTIFIED AS-BUILT DRAWINGS SUBMITTED AND ALL PERTINENT PERMITS ARE CLOSED.
- 32. CONTRACTOR SHALL SCHEDULE INSPECTIONS AND TESTING EVENTS A MINIMUM OF 72 HOURS IN ADVANCE.
- 33. EXISTING SECTION CORNER, QUARTER-SECTION CORNER, AND COUNTY SURVEY CONTROL MONUMENTS LOCATED WITHIN THE

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NW S RIVER DRIVE 12" WM

TOWN OF MEDLEY DEPARTMENT OF ENGINEERING

MIAMI-DADE

GENERAL NOTES (2 OF 4)

SHEET

G-1.2

GENERAL CONSTRUCTION NOTES (CONTINUED)

PROJECT CONSTRUCTION LIMITS/AREAS ARE TO BE REFERENCED PRIOR TO CONSTRUCTION AND RESET BY CONTRACTOR UTILIZING THE SERVICES OF A PROFESSIONAL LAND SURVEYOR AND MAPPER (WITH ACTIVE LICENSE IN THE STATE OF FLORIDA). ANY MONUMENT RESET REQUIRES COORDINATION WITH APPROPRIATE JURISDICTIONAL AUTHORITIES. THIS IS CONSIDERED INCIDENTAL TO THE PROJECT AT NO ADDITIONAL COST TO TOWN OF MEDLEY.

- 34. CONTRACTOR SHALL WARRANTY ALL WORK INCLUDING MATERIALS AND LABOR FOR A MINIMUM PERIOD IN ACCORDANCE WITH TOWN OF MEDLEY.
- 35. EQUIPMENT ALL CONSTRUCTION EQUIPMENT NECESSARY AND REQUIRED FOR THE PROPER CONSTRUCTION OF THIS PROJECT SHALL BE IN FIRST-CLASS WORKING CONDITION. DOWN TIME DUE TO FAULTY OR INOPERABLE EQUIPMENT SHALL BE NO EXCUSE FOR NOT MAINTAINING PROJECT CONSTRUCTION SCHEDULE.
- 36. ALL APPLICABLE PERMITS, PERMIT FEES AND CHARGES FROM AGENCIES HAVING JURISDICTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND MUST BE OBTAINED/PAID PRIOR TO COMMENCEMENT OF CONSTRUCTION. THIS SHALL BE INCLUDED IN CONTRACTOR'S BID PRICE FOR THE PROJECT.
- 37. CONTRACTOR SHALL MAINTAIN AN APPROVED SET OF CONSTRUCTION PLANS ON SITE. THE PLANS ARE TO BE MADE AVAILABLE FOR ENGINEERING INSPECTIONS.
- 38. A CONTRACTOR'S SUPERINTENDENT SHALL BE ON THE CONSTRUCTION AT SITE ALL TIMES DURING WORKING HOURS WHILE THIS PROJECT IS IN PROGRESS. THE CONTRACTOR'S SUPERINTENDENT SHALL BE THE DESIGNATED RESPONSIBLE CONTRACTOR'S REPRESENTATIVE AND SHALL BE AVAILABLE IN CASE OF EMERGENCIES ON A 24-HOUR BASIS. THE CONTRACTOR WILL BE REQUIRED TO PROVIDED TWO ALTERNATIVE EMERGENCY/ 24 HOUR CONTACTS FOR THE WORK INCLUDED IN THE CONSTRUCTION DOCUMENTS.
- 39. TRAFFIC AND TRAVEL WAYS SHALL NOT BE ALTERED BY THE CONTRACTOR TO CREATE A WORK ZONE UNTIL ALL LABOR AND MATERIAL ARE AVAILABLE FOR THE CONSTRUCTION IN THAT AREA.
- 40. ANY UTILITY SHUT DOWN/TIE-IN SHALL BE COORDINATED WITH A MINIMUM OF TWO WEEKS NOTICE.
- 41. SANITARY SERVICE SHALL BE COVERED BY PORTABLE TOILETS WHICH SHALL BE COLLECTED AND CLEANED ON A REGULAR BASIS.
- 42. THE CONTRACTOR SHALL SCHEDULE AND PERFORM THE WORK IN SUCH A MANNER AS TO RESULT IN THE LEAST POSSIBLE DISRUPTION TO THE PUBLIC'S USE OF ROADWAYS, DRIVEWAYS AND UTILITIES. UTILITIES SHALL INCLUDE BUT NOT BE LIMITED TO WATER, SEWERAGE, DRAINAGE STRUCTURES, DITCHES AND CANALS, GAS ELECTRIC TELEVISION AND TELEPHONE PRIOR TO COMMENCING WITH THE WORK.
- 43. CONTRACTOR SHALL SEQUENCE THE WORK SO AS TO MINIMIZE IMPACTS ON EXISTING OPERATIONS AND ACCESS TO BUSINESS, RESIDENTS AND FOR EMERGENCY OPERATIONS.
- 44. CONTRACTOR SHALL BE AWARE THAT ELEMENTS AND SEGMENTS OF THE WORK ARE LOCATED IN CLOSE PROXIMITY TO BUSINESSES AND OFFICES THAT WILL REMAIN OPERATIONAL DURING THE CONSTRUCTION OF THE PROJECT.
- 45. ALL WORK SHALL BE COORDINATED WITH SURROUNDING BUSINESS OWNERS. A MINIMUM OF TWO WEEKS NOTIFICATIONS MUST BE GIVEN PRIOR TO CONSTRUCTION ACTIVITY AND EVIDENCE OF SUCH COORDINATION SHALL BE MADE IMMEDIATELY AVAILABLE UPON REQUEST.
- 46. CONTRACTOR MUST MAINTAIN A DAILY LOG OF EVENTS AND OCCURRENCES DURING EACH WORK SHIFT FOR PROJECT RECORDS. THIS INFORMATION SHALL BE MADE AVAILABLE UPON REQUEST.
- 47. DEWATERING SHALL BE LIMITED TO LOW- FLOW, SHORT- TERM TO AVOID POTENTIAL PLUME EXACERBATION ASSOCIATED WITH THIS ACTIVITY, AND SHOULD BE PERFORMED IN ACCORDANCE WITH THE DEWATERING PERMITS FROM MIAMI-DADE RER AND APPLICABLE JURISDICTIONS. CONTRACTOR SHALL APPLY FOR APPLICABLE PERMITS MIAMI-DADE RER.
- 48. IF AT ANY TIME DURING DEWATERING ACTIVITIES, EVIDENCE OF CONTAMINATION IS OBSERVED WITHIN THE WORKING AREA. THE CONTRACTOR SHALL STOP WORK AND NOTIFY/CONTACT THE EOR AND TOWN OF MEDLEY.
- 49. THE CONTRACTOR SHALL INCLUDE IN HIS/HER BID PRICE, THE NECESSARY RESOURCES FOR REMOVING ORGANIC/PEAT MATERIAL WHERE IT EXISTS AND BACKFILLING WITH SUITABLE MATERIAL IN ACCORDANCE WITH JURISDICTIONAL STANDARDS OF MIAMI DADE COUNTY AND THE TOWN OF MEDLEY. NO ADDITIONAL COMPENSATION SHALL BE CONSIDERED FOR THE CONTRACTORS FAILURE TO ACCOUNT FOR THESE RELATED COSTS.
- 50. INSTALLATION OF PIPE WHERE UNSUITABLE MATERIAL(S)ARE ENCOUNTERED SHALL NOT BE ACCEPTED BY THE EOR AND THE TOWN OF MEDLEY. CONTRACTOR SHALL REMOVE THE INSTALLED PIPE. REMOVE THE UNSUITABLE MATERIAL AND REINSTALL THE PIPE PER JURISDICTIONAL STANDARDS AT NO ADDITIONAL COST TO THE TOWN OF MEDLEY.

- 51. COSTS INCURRED BY CONTRACTOR TO PREPARE AND ACQUIRE STAGING AREA FOR CONSTRUCTION PURPOSES, IS AT THE CONTRACTOR'S SOLE EXPENSE WITH NO ADDITIONAL COSTS PROVIDED BY THE TOWN OF MEDLEY.
- 52. ANY APPLICABLE PERMITS AND APPROVALS FROM JURISDICTIONS FOR UTILIZATION OF "STAGING AREA" IS THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL NOT ADVERSELY IMPACT CONSTRUCTION SCHEDULE DUE TO LACK OF TIMELY RETRIEVAL OF SAID APPROVALS AND/ OR PERMITS
- 53. PROPER PROTOCOL MUST BE IMPLEMENTED BY CONTRACTOR TO ENSURE THAT MATERIAL ORDERS FOR DELIVERY ARE DIRECTED TO PROPER LOCATIONS.
- 54. TRAFFIC CONTROLS SHALL BE IN ACCORDANCE WITH THE PROJECT PLANS, THE CURRENT EDITION OF THE FLORIDA DOT DESIGN STANDARDS (600 SERIES), THE STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AS MINIMUM CRITERIA.
- 55. NO WORK OR ACTIVITY SHALL BEGIN UNTIL ALL REQUIRED SAFETY ITEMS AND PERSONNEL ARE IN THEIR PROPER POSITIONS WITH APPROPRIATE SAFETY GEAR.
- 56. THE LENGTH OF WORK ZONE SHALL BE NO MORE THAN 300 FEET. NO MORE THAN TWO DRIVEWAYS SHALL BE WITHIN THE LENGTH OF THE WORK ZONE AT ANY TIME. NO STREET SHALL BE COMPLETELY BLOCKED, NOR BLOCKED MORE THAN ONE-HALF AT ANY TIME, KEEPING THE OTHER ONE-HALF OPEN FOR TRAFFIC, WITHOUT SPECIFIC APPROVAL.

SPECIAL CONDITIONS - ASBESTOS CONCRETE PIPE

- 1. ALL SYSTEMS THAT ARE SUSCEPTIBLE TO ASBESTOS CONTAMINATION (E.G. SOURCE WATER CONTAMINATED BY ASBESTOS OR USE OF ASBESTOS-CEMENTPIPE WITHIN THE DISTRIBUTION SYSTEM) SHALL MONITOR TO DETERMINE COMPLIANCE WITH THE MAXIMUM CONTAMINANT LEVEL FOR ASBESTOS SPECIFIED IN PARAGRAPH 62-550.310(1) (A), F.A.C. THE CONTRACTOR SHALL COORDINATE EXTENSIVELY WITH THE TOWN OF MEDLEY TO ENSURE THAT NO ADVERSE PUBLIC HEALTH CONDITIONS ARE CREATED AS RESULT OF CONSTRUCTION OPERATIONS.
- 2. THE CONTRACTOR SHALL PROVIDE CERTIFIED OSHA PROFESSIONAL ONSIDE DURING CONSTRUCTION TO ENSURE PROPOSED WORK INVOLVING CONNECTION TO EXISTING ASBESTOS PIPE IS UNDERTAKEN COMPLIANT WITH ALL LOCAL, STATE AND FEDERAL HEALTH AND SAFETY GUIDELINES APPLICABLE. THIS SHALL BE CONSIDERED BY THE CONTRACTOR WHEN SUBMITTING BID(S) FOR THIS PROJECT AND NO EXTRA COMPENSATION PROVIDED BY THE TOWN OF MEDLEY.
- 3. THE CONTRACTOR SHALL PROVIDE TO THE TOWN OF MEDLEY, A CERTIFIED STATEMENT OF COMPLETION PREPARED BY SAID PROFESSIONAL AFFIRMING THAT WORK HAS BEEN PERFORMED AND COMPLETED IN ACCORDANCE WITH PREVAILING REGULATORY STANDARDS AS REFERENCED ABOVE
- 4. ALL WORK SHALL COMPLY FULLY WITH NATIONAL EMISSIONS STANDARDS FOR HAZARDOUS AIR POLLUTANTS (NESHAP).
- 5. IF IT IS NECESSARY TO REMOVE ANY ABANDONED ACP WATERMAIN(S) AND/OR APPURTENANCES TO ACCOMMODATE IMPROVEMENTS, THE ACP LINE(S) AND/OR ORAPPURTENANCES SHALL BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL LAWS REGULATORY REQUIREMENTS AS APPLICABLE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BE FAMILIAR WITH ALL APPLICABLE REGULATORY REQUIREMENTS. ALL WORK INVOLVED IN THE REMOVAL AND DISPOSAL OF ACP (AND APPURTENANCES) SHALL BE THE RESPONSIBILITY AND AT THE EXPENSE OF THE CONTRACTOR.
- 6. ALL SCRAP ACP SHALL BE PROPERLY MANIFESTED AN PREPARED FOR TRANSPORT FOLLOWING MIAMI DADE RER (FORMERLY DERM) STANDARDS. THE CONTRACTOR SHALL CONTACT THIS REGULATORY AGENCY TO ASCERTAIN REQUIREMENTS. ALL ASSOCIATED COST FOR TRANSPORT AND DISPOSAL SHALL BE THE CONTRACTOR'S RESPONSIBILITY AND COMPENSATED THROUGH ANY APPROVED ALLOWANCE ACCOUNTS FROM THE TOWN OF MEDLEY. DISPOSAL LOCATIONS SHALL BE VERIFIED FOR ACCEPTANCE OF FRIABLE MATERIAL PRIOR TO DISPOSAL. CONTRACTOR SHALL SUBMIT TO THE TOWN OF MEDLEY EVIDENCE OF COORDINATION WITH WASTE DISPOSAL SITE TO DISPOSAL AS SAID LOCATION. NO SCRAPS SHALL BE LEFT ONSITE AT ANY TIME.
- 7. APPROPRIATE RESTRAINING MECHANISMS INCLUDING CONCRETE COLLARS SHALL BE PROVIDED AT CONNECTION POINTS AND AT ALL FITTINGS.
- 8. ALL SEGMENTS OF EXISTING ACP WATERMAIN BEING ABANDONED SHALL BE ABANDONED IN PLACE BY CONTRACTOR IN A MANNER SPECIFIED BY THE ENGINEER OF RECORD UNLESS OTHERWISE NOTED.

TRENCH SAFETY ACT

- 1. IN ACCORDANCE WITH FLORIDA STATUES 553.63, COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE WRITTEN AND CERTIFIED ASSURANCE THAT ALL TRENCH EXCAVATION SHALL COMPLY WITH APPLICABLE TRENCH SAFETY STANDARDS.
- 2. THE CONTRACTOR SHALL RESPONSIBLE FOR SPECIAL SHORING REQUIREMENTS REQUIRES TO MAINTAIN AND ADHERE TO REGULATORY STANDARDS.



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NW S RIVER MIAMI-DADE DRIVE 12" WM

GENERAL NOTES (3 OF 4)

SHEET

G-1.3

PRE-TRENCHING NOTES

- 1. FAILURE ON THE CONTRACTOR'S PART TO CONDUCT PRE-TRENCHING ACTIVITIES, NO ADDITIONAL COMPENSATION SHALL BE GRANTED FOR ANY COSTS INCURRED AS A RESULT OF FAILURE ON THE CONTRACTOR'S PART TO PRE-TRENCH.
- 2. EXTREME CAUTION SHALL BE USED DURING ANY EXCAVATION. ALL EXCAVATIONS MUST BE SHORED, SHEETED, BRACED OR OTHERWISE SUPPORTED TO AVOID CAVE-INS AND COMPROMISE SAFETY.
- 3. CONTRACTOR SHALL UTILIZE SUBSURFACE UTILITY ENGINEERING METHODS & CORING TO DISCLOSE THE PRESENCE OF ROCK, UTILITIES & OTHER SUBSURFACE ELEMENTS NOT INDICATED ON TOPOGRAPHY SURVEY.
- 4. CONTRACTOR MUST ENGAGE IN CONTINUAL CONSULTATIONS WITH IDENTIFIED UTILITY OWNERS. AT NO ADDITIONAL EXPENSE TO THE TOWN OF MEDLEY.
- 5. PRE-TRENCHING DIRECTIONS TO CONTRACTOR:

A.CONTRACTOR SHALL UTILIZE A SUPPORT SYSTEM STURDY ENOUGH TO WITHSTAND THE PRESSURE OF THE SOIL.

B.CONTRACTOR SHALL UTILIZE A SUPPORT SYSTEM STURDY ENOUGH TO WITHSTAND THE STRESS WHICH MAY BE EXERTED BY WATER, VIBRATION, OR HEAVY LOADS.

C.CONTRACTOR SHALL PROPERLY SUPPORT ANY UNDERGROUND INSTALLATIONS THAT ARE UNCOVERED.

D.CONTRACTOR SHALL CONFORM TO THE TRENCH SAFETY ACT AND ALL OSHA REQUIREMENTS.

6. BEFORE TRENCHING OR EXCAVATION, CONTRACTOR SHALL CHECK, VERIFY AND ASCERTAIN THE FOLLOWING:

A.EXISTING AND PROPOSED SOIL AND SUBSURFACE CONDITIONS.

B.PROXIMITY OF PROPOSED IMPROVEMENTS TO UTILITIES, BUILDINGS & SOURCES OF VIBRATIONS.

C.OWNERS OF UTILITIES, SERVICE, OR TRANSMISSION PIPING, ETC., & ARRANGE FOR SHUTDOWN OR RELOCATION OF FACILITIES, IF NECESSARY.

D.TREES, BOULDERS, FENCES, GATES, PRIVATE DECORATIONS, MAILBOXES, LANDSCAPING, OR OTHER HAZARDS.

E.ADEQUACY & AVAILABILITY OF ALL EQUIPMENT, INCLUDING PERSONAL PROTECTIVE GEAR, SHORING MATERIALS, SIGNS, BARRICADES & MACHINERY.

7. DURING TRENCHING OR EXCAVATION, CONTRACTOR SHALL REGULARLY CHECK FOR, VERIFY AND ASCERTAIN THE FOLLOWING:

A.CHANGING GROUND CONDITIONS PARTICULARLY AFTER RAINFALL.

B.POSSIBLE OXYGEN DEFICIENCY OR GASEOUS CONDITIONS.

C. ADEQUACY OF SHORING AND/OR SLOPING AS WORK PROGRESSES.

D MAINTENANCE OF ENTRANCE & EXIT FACILITIES

E.ALL SHEETING, BRACING, SHORING & UNDERPINNING.

F.CHANGES IN VEHICULAR & MACHINERY OPERATIONAL PATTERNS

8. AFTER TRENCHING OR EXCAVATION, THE CONTRACTOR SHALL CHECK FOR, VERIFY AND ASCERTAIN THE FOLLOWING:

A.DEPTH OF TRENCHING OR EXCAVATION, ITS SLOPING & SHORING.

B.SLOPING OF BANKS, SIDES & WALLS IN RELATION TO DEPTH OF CUT, WATER CONTENT OF SOIL, VIBRATIONS.

C.ENTRANCE & EXIT FACILITIES.

D.LOCATION OF HEAVY EQUIPMENT - POWER SHOVELS, DERRICK, TRUCKS.

F.EXCAVATION MATERIAL IS TWO FEFT OR MORE FROM FDGE OF OPENING.

F.PORTABLE TRENCH BOXES OR TRENCH SHIELDS TO BE IN PROPER WORKING CONDITIONS.

G.CROSS BRACES OR TRENCH JACKS ARE CORRECTLY POSITIONED TO PREVENT SLIDING, FALLING OR KICKOUTS.

- 9. PRE-TRENCHING REQUIREMENTS CHECKLIST:
 - A.PRIOR TO EXCAVATION, THE CONTRACTOR SHALL UNDERTAKE EFFORTS TO DETERMINE UNDERGROUND INSTALLATIONS SUCH AS SEWER, TELEPHONE, WATER, GAS, ELECTRIC LINES, FLAMMABLE PIPELINES, ETC. ARE PRESENT & WHERE THEY ARE
 - B.THE WALLS & FACES OF ALL EXCAVATIONS IN WHICH EMPLOYEES ARE EXPOSED TO DANGER FROM MOVING GROUND SHALL BE GUARDED BY A SHORING SYSTEM, SLOPING OF THE GROUND OR SOME OTHER EQUIVALENT MEANS.
 - C.THE DETERMINATION OF THE ANGLE OF REPOSE & DESIGN OF THE SUPPORTING SYSTEM SHALL BE BASED ON CAREFUL EVALUATION OF PERTINENT FACTORS SUCH AS: DEPTH OF CUT, POSSIBLE VARIATION IN THE WATER CONTENT OF THE MATERIALS FROM EXPOSURE TO AIR, SUN AND/OR WATER.
 - D.IN EXCAVATIONS WHICH EMPLOYEES MAY BE REQUIRED TO ENTER. EXCAVATED OR OTHER MATERIALS SHALL BE EFFECTIVELY STORED & RETAINED AT LEAST 2 FT OR MORE FROM THE EDGE OF THE EXCAVATION.
- 10.ALL ELEVATIONS SHOWN REFER TO GROUND LEVEL LOCATIONS ON SWALES, OR PAVED SURFACES ACCORDINGLY.
- 11.COMPACTION REQUIREMENTS SPECIFIED BY TECHNICAL SPECIFICATIONS SHALL BE ADHERED TO.
- 12.GRASSED AREAS: UNLESS OTHERWISE SPECIFIED ON CONSTRUCTION DRAWINGS, DETAILS AND SPECIFICATIONS, PROVIDE SOLID SODDING OF FLORATAM ST. AUGUSTINE IN UNPAVED AREAS OF RIGHTS-OF-WAY & ALL OTHER AREAS NOT OCCUPIED BY STRUCTURES. DRIVEWAYS. WALKWAYS. PAVEMENTS. AND OTHER PLANTINGS.
- 13.WHERE MILLING IS DIRECTED THE CONTRACTOR SHALL MILL TO AVOID EXPOSURE OF THE BASE MATERIAL. BITUMINOUS TACK COAT MATERIAL SHALL BE APPLIED TO MILLED SURFACES PRIOR TO RESURFACING AND IN BETWEEN ASPHALT LIFTS.
- 14.EXISTING DRIVEWAYS WITHIN THE LIMITS OF THIS PROJECT ARE TO BE REPLACED AT THE SAME LOCATION AND WIDTH,

UNLESS OTHERWISE SHOWN IN THE PLANS.

- 15.0SHA TRENCH SAFETY COMPLIANCE THE CONTRACTOR SHALL UTILIZE TRENCH BOXES OR OTHER APPROVED MEANS TO COMPLY WITH THE FLORIDA TRENCH SAFETY ACT (FLORIDA STATUTE SECTIONS 553.60-553.63), AND THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) EXCAVATION SAFETY STANDARDS, 29 C.F.R.S. 1926.650 SUBPART P.
- 16.EXCESS EXCAVATED MATERIAL EXCESS EXCAVATED MATERIAL SHALL BE DISPOSED OF IN A MANNER ACCEPTABLE AND AUTHORIZED BY JURISDICTIONAL AUTHORITIES. CONTRACTOR MUST COMPLY WITH APPLICABLE SECTIONS OF TECHNICAL SPECIFICATIONS.
- 17.CONSTRUCTION DEBRIS SHALL NOT BE BURIED OR LEFT ON SITE DURING OR AFTER CONSTRUCTION. ADVERSE IMPACTS TO PROPOSED WORK OR ALREADY CONSTRUCTED WORK BY DEBRIS MUST BE AVOIDED.

WATER SERVICE SHUT OFF & CONNECTION NOTES

- 1. CONTRACTOR SHALL NOT SHUT DOWN SERVICE FOR MORE THAN 4 HOURS.
- 2. ALL SERVICE SHUT DOWNS SHALL BE COORDINATED BY THE CONTRACTOR A MINIMUM OF TWO WEEKS AHEAD. SHUT DOWNS SHALL BE COORDINATED WITH THE TOWN AND EACH AFFECTED PROPERTY OWNER.
- 3. WATER SERVICE SHUT DOWN SHALL BE PERFORMED ONLY BETWEEN 10:00 AM AND 4:00PM.
- 4. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING SPECIAL WATER SERVICE NEEDS FOR AFFECTED PROPERTIES AS
- 5. IF SHUTDOWN PROGRESSES BEYOND AFORESTATED TIME DURATION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR BYPASS CONNECTION TO PROVIDE SERVICE.

UTILITY PROVIDERS

AT&T DISTRIBUTION

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BUCKEYE PIPELINE

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CENTURY LINK

(FORMALLY QWEST COMMUNICATIONS) GEORGE MCELVAIN 700 W MINERAL AVE, NE J31.2 LITTLETON, CO 80120 PHONE: 303-902-9931

LEVEL 3 COMMUNICATIONS LLC

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INVESTIGATIONS DEPARTMENT 2400 N. GLENVILLE RICHARDSON, TX 75082 PHONE: 972-729-6016

FPL FIBERNET LLC

DANNY HASKETT 9250 W FLAGLER ST MIAMI, FL 33174 (305) 552-2931

MIAMI DADE WATER AND WASTE WATER DEPARTMENT

SERGIO GARCIA 3575 S LEJEUNE RD MIAMI, FL 33157 PHONE: 786-268-5320

CITY OF MIAMI SPRINGS

345 NORTH ROYAL POINCIANA BLVD MIAMI SPRINGS, FL 33166 PHONE: 305-556-3700 X2545

TOWN OF MEDLEY UTILITIES DEPARTMENT

HERIBERTO CABRERA 7331 NW 74 STREET MEDLEY, FL 33166 PHONE: 305-889-1915

CITY OF HIALEAH - DEPT OF WATER & SEWER

CEASAR CASTILIO 3700 W 4TH AVE HIALEAH, FL 33012 PHONE: 305-556-3700 X2545

FLORIDA CITY GAS

DEXTER PINKNEY 955 E 25TH ST HIALEAH, FL 33013 PHONE: 305-835-3632





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NW S RIVER MIAMI-DADE DRIVE 12" WM

GENERAL NOTES (4 OF 4)

SHEET

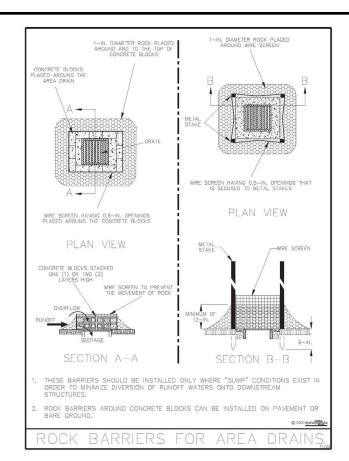
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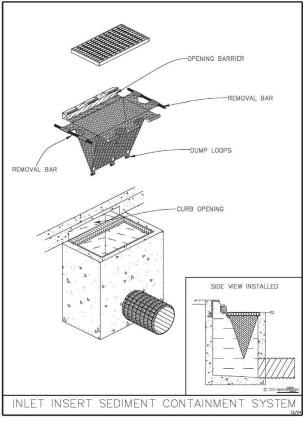
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STORM WATER POLLUTION PREVENTION PLAN NOTES

- 1. PERMANENT OR TEMPORARY EROSION & SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AT THE EARLIEST PRACTICABLE TIME CONSISTENT WITH GOOD CONSTRUCTION PRACTICE. ONE OF THE FIRST CONSTRUCTION ACTIVITIES SHALL BE THE PLACEMENT OF TEMPORARY EROSION & SEDIMENT CONTROL MEASURES AROUND THE PERIMETER OF THE PROJECT, THE INITIAL WORK AREA, & OTHER AFFECTED AREAS TO PREVENT STORM WATER POLIUTION.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE & REPAIRS OF EROSION & SEDIMENT CONTROL/SWPPP DEVICES PER THE FDOT STANDARD SPECIFICATION FOR ROAD & BRIDGE CONSTRUCTION (CURRENT EDITION). THE MAINTENANCE OF THESE DEVICES WILL OCCUR UNTIL THE OWNER'S REPRESENTATIVE HAS DEEMED AN AREA PERMANENTLY STABILIZED. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE ALL TEMPORARY EROSION AFTER COMPLETION OF THE PROJECT.
- 3. CONFORMANCE WITH SWPPP SHALL NOT RELIEVE THE CONTRACTOR FORM HIS/HER RESPONSIBILITIES TO PROTECT ADJACENT PROPERTIES, FEATURES & NATURAL ENVIRONMENT FROM THE POSSIBLE DAMAGE IMPACT THAT MAY ARISE AS A RESULT OF THE CONSTRUCTION LIMITED TO CONSTRUCTING SUCH FACILITIES & ANY OTHER MEASURES THAT ARE NECESSARY TO PREVENT CONTROL & ABATE WATER, & EROSION DAMAGE TO PUBLIC & PRIVATE PROPERTY AS A RESULT OF THE CONSTRUCTION OF THIS PROJECT
- 4. EROSION & SEDIMENT CONTROL MEASURES SHALL BE ADEQUATELY MAINTAINED TO PERFORM THE INTENDED FUNCTION DURING CONSTRUCTION OF THE PROJECT.
- 5. CONTRACTOR SHALL VERIFY THAT ALL DRAINAGE STRUCTURES, WITHIN THE PROJECT LIMITS WHETHER INDICATED ON THE PLANS OR NOT, SHALL BE PROTECTED IN ACCORDANCE WITH THE ESTABLISHED METHODS AS NOTED ABOVE.
- 6. DUST, RESULTING FROM PROPOSED DEMOLITION ACTIVITIES, SHALL BE PREVENTED FROM INTRUSION INTO THE STORMWATER CONVEYANCE SYSTEM. APPROPRIATE DUST CONTROL TECHNIQUES (WATER OR SLURRY) MUST BE RETAINED ON SITE. THE USE OF CALCIUM CHLORIDE, OILS OR OTHER CHEMICAL DUST CONTROL AGENTS IS PROHIBITED.
- 7. CONTRACTOR SHALL INSTALL PERIMETER POLLUTION PREVENTION CONTROLS AFTER CLEARING & GRUBBING AND BEFORE BEGINNING OTHER CONSTRUCTION. CONTRACTOR SHALL REMOVE PERIMETER CONTROLS ONLY AFTER ALL AREAS HAVE BEEN STABILIZED.
- 8. THE EXISTING DRAINAGE FLOW PATTERNS SHALL BE MAINTAINED DURING CONSTRUCTION.
- 9. THE CONTRACTOR SHALL MONITOR ALL POLLUTION CONTROL DEVICES TO ENSURE SUFFICIENT CONVEYANCE OF STORMWATER RUNOFF & TO ELIMINATE SOIL EROSION DURING CONSTRUCTION.
- 10.CONTRACTOR SHALL COVER LOADED TRUCKS WITH TARPAULINS.
- 11.CONTRACTOR SHALL REMOVE EXCESS DIRT FROM THE ROADWAY DAILY.
- 12.A QUALIFIED PERSON SHALL INSPECT POLLUTION CONTROL DEVICES AT LEAST ONCE EVERY SEVEN CALENDAR DAYS & WITHIN 24 HOURS OF THE END OF A STORM, THAT IS 0.50 INCHES OR GREATER. TO COMPLY, THE CONTRACTOR SHALL INSTALL & MAINTAIN RAIN GAUGES & RECORD THE DAILY RAINFALL. WHERE SITES HAVE BEEN PERMANENTLY STABILIZED, INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY MONTH. THE CONTRACTOR SHALL ALSO VERIFY THAT CONTROLS INSTALLED IN THE FIELD COMPLY WITH THE LATEST STORMWATER POLLUTION PREVENTION PLAN.
- 13.WITHIN 24 HOURS OF INSPECTION, THE CONTRACTOR SHALL INITIATE REPAIRS TO THE CONTROL DEVICES THAT THE INSPECTION INDICATES ARE NOT IN GOOD ORDER.
- 14.AT NO TIME SHALL SEDIMENTS BE ALLOWED TO ACCUMULATE WITHIN DRAINAGE STRUCTURE & CONVEYANCE PIPELINES. STRUCTURES & PIPELINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATIONS SHALL NOT FLUSH SEDIMENT-LADEN WATER INTO THE DOWNSTREAM SYSTEM.
- 15.STOCKPILE OF EARTH & OTHER CONSTRUCTION RELATED MATERIAL MUST BE PROTECTED AGAINST ACCIDENTAL TRANSPORTATION FROM PROJECT SITE BY WIND & WATER FLOW.
- 16.ALL STORM DRAINAGE SYSTEMS MADE OPERABLE DURING CONSTRUCTION, SHALL BE PROTECTED SO THAT SEDIMENT-LADEN WATER CANNOT GAIN ENTRY INTO THE CONVEYANCE SYSTEM WITHOUT FIRST BEING FILTERED OR OTHER WISE TREATED TO REMOVE SEDIMENTS.
- 17.MODIFICATIONS OR CHANGES TO THE INFORMATION DEPICTED ON THE STORMWATER POLLUTION PREVENTION PLAN SHEETS MUST BE SUBMITTED TO THE EOR/JURIDICTIONS FOR APPROVAL

- 18.IF ADDITIONAL EROSION & SEDIMENT CONTROL BMP'S ARE REQUESTED BY ANY REGULATORY AGENCY, THE CONTRACTOR MUST PROMPTLY IMPLEMENT SAID MEASURES AFTER APPROVAL OF EOR/JURISDICTIONS.
- 19.THE INSTALLATION OF EROSION & SEDIMENT CONTROL MEASURES SHALL TAKE PRECEDENCE OVER CONSTRUCTION ACTIVITIES.
- 20.ALL APPLICABLE PERMITS RELATING TO THE INSTALLATION OF THESE MEASURES MUST BE SECURED PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES.





STANDARD BMP DETAILS PER STATE OF ELORIDA EROSION & SEDIMENT



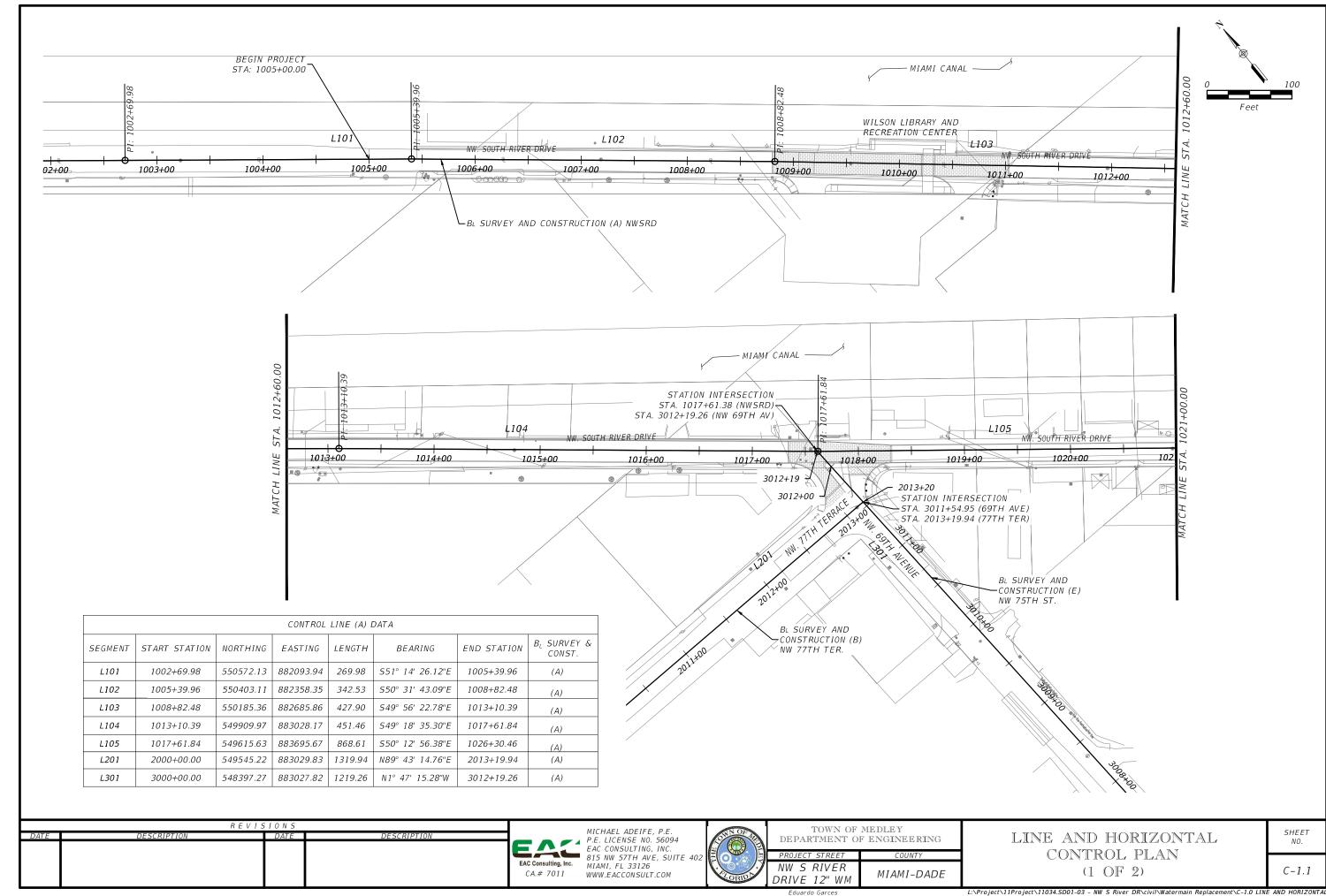
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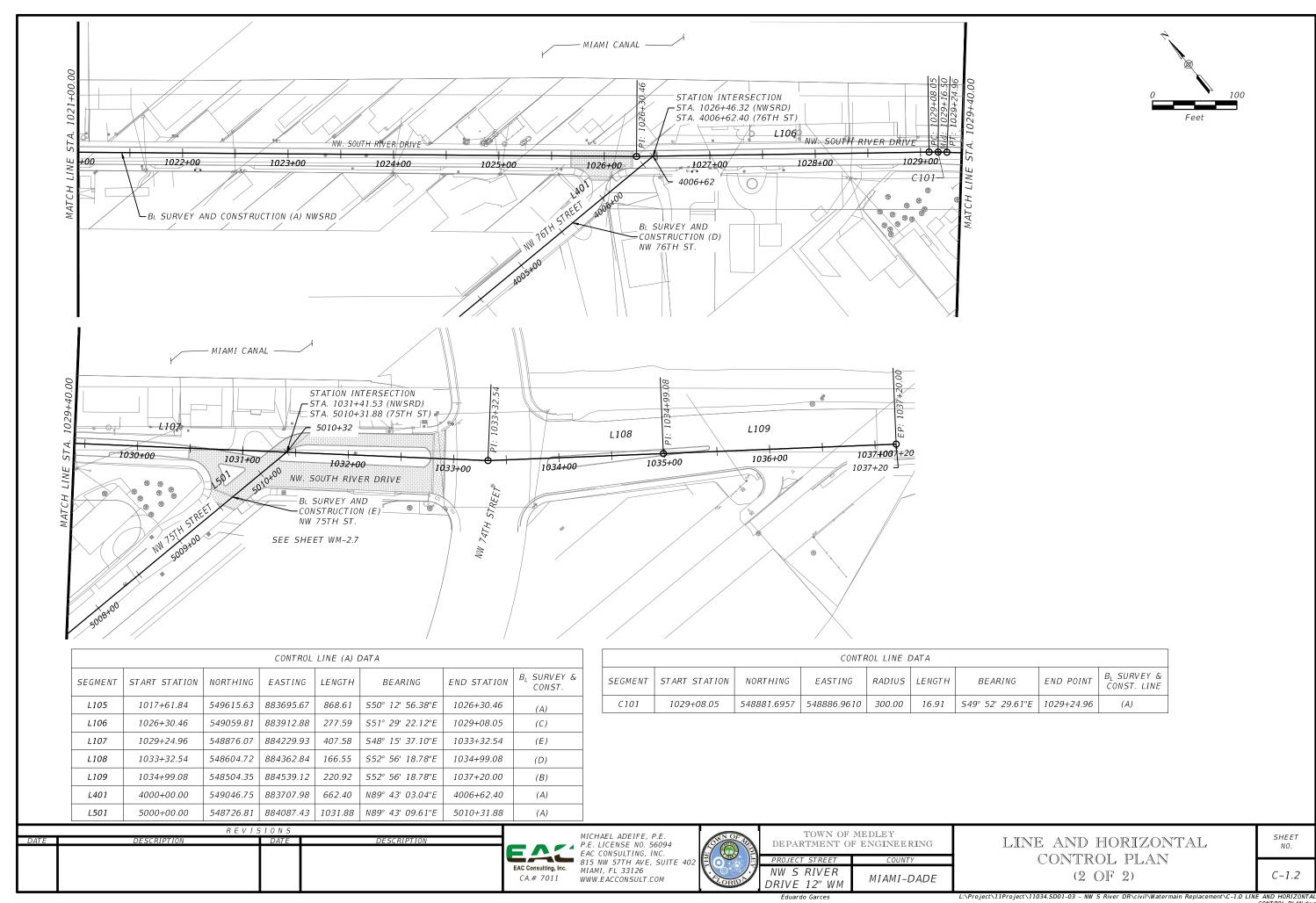
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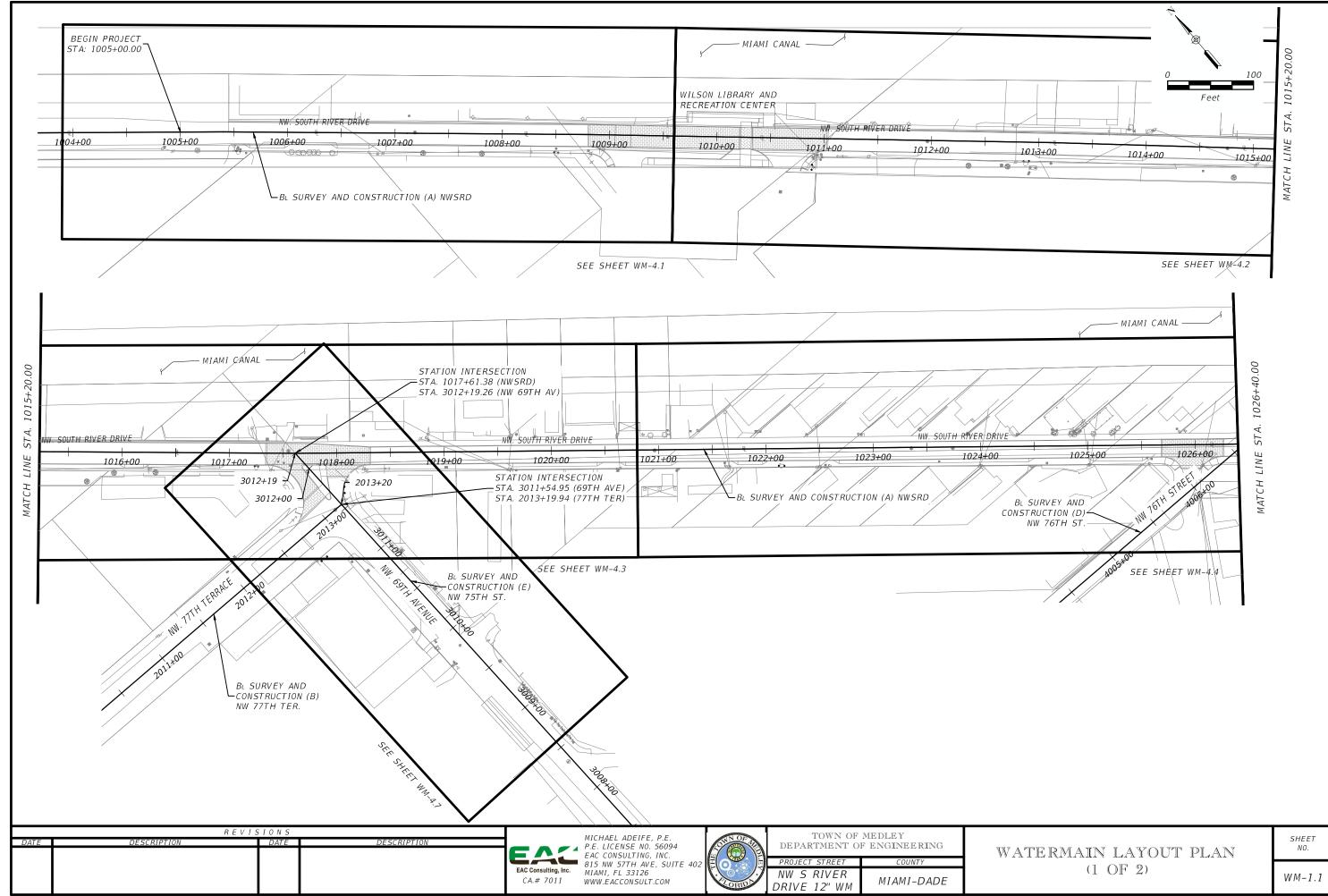
NW S RIVER MIAMI-DADE DRIVE 12" WM

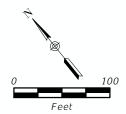
STORM WATER POLLUTION PREVENTION NOTES AND DETAILS

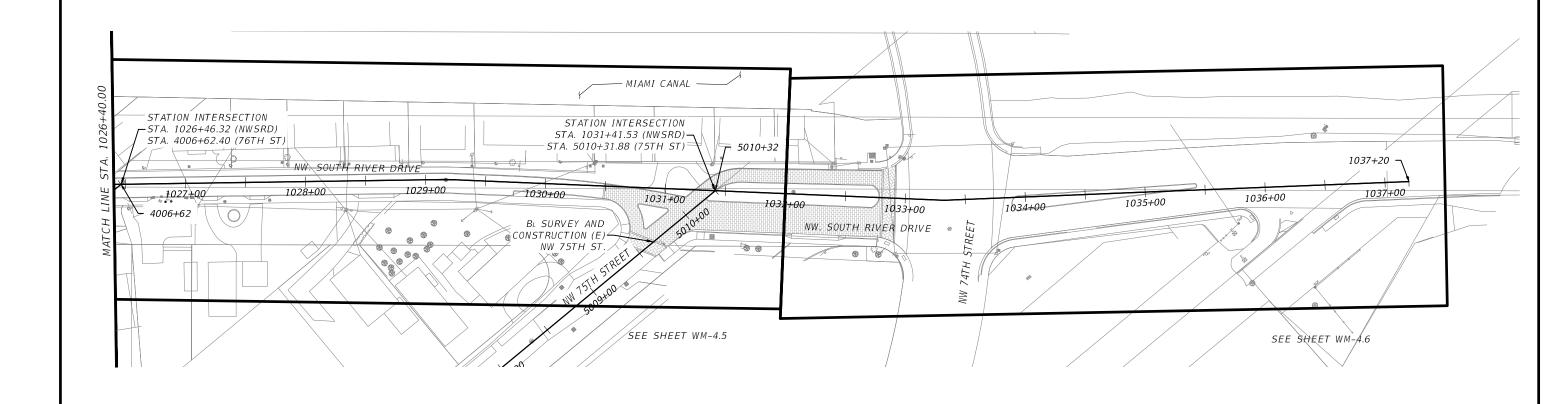
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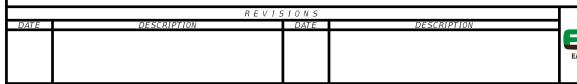














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TOWN OF MEDLEY DEPARTMENT OF ENGINEERING

NW S RIVER MIAMI-DADE DRIVE 12" WM

WATERMAIN LAYOUT PLAN (2 OF 2)

SHEET

WM-1.2

WATERMAIN CONSTRUCTION NOTES

- ALL EXISTING WATER MAINS BEING IMPACTED BY THIS PROJECT AND ALL PROPOSED WATER MAINS JOINTS AND FITTINGS ARE TO BE RESTRAINED AS PER WASD STD GS 2.0. CONTRACTOR SHALL USE MEGALUGS OR APPROVED EQUAL. CONCRETE THRUST BLOCKS ARE NOT REQUIRED.
- ALL EXISTING WATERMAINS BEING REMOVED AND/OR RELOCATED MUST REMAIN ACTIVE AND IN SERVICE, UNTIL SUCH TIME WHEN NEW REPLACEMENT WATERMAINS HAVE BEEN INSTALLED PUT INTO IN SERVICE AND ACCEPTED BY THE TOWN OF MEDLEY AND ALL RELATED SERVICES FROM THE EXISTING MAINS HAVE BEEN TRANSFERRED TO THE NEW ONES.
- ALL WATER FACILITIES LOCATED IN PRIVATE PROPERTY SHALL BE REMOVED AFTER ALL INSTALLED SERVICES FROM THEM HAVE BEEN TRANSFERRED TO THE ALREADY INSTALLED AND IN SERVICE NEW MAINS. ANY ASSOCIATED EXCLUSIVE EASEMENTS SHALL BE CLOSED AND RELEASED AFTER THE REMOVAL OF THE EXISTING WATER FACILITIES.
- THIS PROJECT REQUIRES ASBESTOS CONCRETE PIPE (ACP), THE CONTRACTOR WORKING IN CLOSE PROXIMITY TO OR CONNECTIONS TO SHALL ADHERE ALL OSHA, FDEP, AND OTHER JURISDICTIONAL CRITERIA REQUIRED FOR CONSTRUCTION AND CONNECTION TO ACP PIPE.
- FOR CONNECTIONS TO ACP, THE CONTRACTOR SHALL TELEVISE THE ACP PIPE BEFORE AND AFTER INSTALLATION.
- CONTRACTOR SHALL EXERCISE CAUTION WHEN WORKING NEAR EXISTING ACP. PIPE BREAKS TO ANY PORTION OF THIS INFRASTRUCTURE SHALL BE REPAIRED. THE EOR AND THE TOWN OF MEDLEY SHALL BE NOTIFIED IMMEDIATELY UPON DISCOVERY OF BREAKAGE. NO ADDITIONAL COMPENSATION WILL BE AWARDED TO THE CONTRACTOR FOR THESE REPAIRS.
- THE LOCATIONS OF EXISTING UTILITIES AS SHOWN ON THE APPROVED PLANS ARE TO BE VERIFIED AND RECORDED IN THE FIELD BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE AT ALL TIMES THROUGHOUT THE DURATION OF CONSTRUCTION FOR THE PROTECTION OF EXISTING AND PROPERLY INSTALLED UTILITIES AND IMPROVEMENTS FROM DAMAGE, DISRUPTION OF SERVICE OR DESTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING SUCH MEASURES AS NECESSARY TO PROTECT THE HEALTH, SAFETY AND WELFARE OF THOSE PERSONS HAVING ACCESS TO THE WORK.
- THE DEPTH OF COVER ON THE WATER MAINS SHALL BE 48 INCHES OR AS DEPICTED ON THE CONSTRUCTION PLANS. THE CONTRACTOR SHALL REQUEST DIRECTION FROM TE TOWN OF MEDLEY AND EOR A MINIMUM OF FIVE BUSINESS DAYS IN ADVANCE. APPROVAL SHALL BE PROVIDED BY THE TOWN OF MEDLEY AND EOR.
- ALL CONNECTIONS TO EXISTING MAINS SHALL BE MADE UNDER THE DIRECTION OF THE APPLICABLE JURISDICTIONAL AUTHORITIES INCLUDING OSHA AND NESHAP CERTIFIED OVERSIGHT PERSONNEL AS APPLICABLE.
- THE CONTRACTOR SHALL VERIFY THE NATURE, DEPTH AND CHARACTER OF EXISTING UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION. AND SHALL RECORD THIS INFORMATION AS A PART OF THEIR AS-BUILTS
- REQUIRED PERMITS SHALL BE SECURED BY CONTRACTOR PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- THE CONTRACTOR SHALL MAINTAIN A CURRENT APPROVED SET OF CONSTRUCTION PLANS ON SITE. THE PLANS SHALL BE MADE AVAILABLE TO THE TOWN OF MEDLEY, EOR AND RESPONSIBLE JURISDICTIONS UPON REQUEST..
- ALL OTHER PUBLIC OR PRIVATE UTILITY FACILITIES SHALL BE CONSTRUCTED AT SPECIFIED HORIZONTAL SEPARATIONS AS MEASURED FROM THE OUTSIDE BELL OF THE WATERMAIN PIPE AND IN ACCORDANCE WITH PREVAILING REGULATORY AND JURISDICTIONAL REQUIREMENTS. TO FACILITATE MEETING HORIZONTAL AND VERTICAL PIPE SEPARATION REQUIREMENTS.
- THE CONTRACTOR SHALL HAND DIG OR EXPOSE ALL SUCH FACILITIES 14. BEFORE PROCEEDING WITH POWER EQUIPMENT EXCAVATION.
- IN NO CASE SHALL A CONTRACTOR INSTALL UTILITY PIPES, CONDUITS, CABLES, ETC., IN THE SAME TRENCH AS THE PROPOSED WATERMAIN.

- CONTRACTOR MUST ADHERE TO ALL APPLICABLE REQUIREMENTS AS SPECIFIED IN THE MIAMI DADE WATER AND SEWER DEPARTMENT (WASD) DESIGN AND CONSTRUCTION STANDARDS SPECIFICATIONS AND DETAILS (CURRENT EDITION).
- THRUST BLOCKS/CONCRETE ANCHORS MUST BE PLACED AT CAPPING, TAPPING AND BEND POINTS IN ACCORDANCE WITH WASD DESIGN AND CONSTRUCTION STANDARDS SPECIFICATIONS AND DETAILS (CURRENT EDITION).
- TAPPING SLEEVE CONNECTIONS TO WASD OWNED MAINS SHALL BE DONE BY MIAMI-DADE WATER AND SEWER DEPARTMENT FORCES ONLY.
- COORDINATE PROPOSED WATERMAIN PIPELINE AND SERVICE CONNECTIONS WITH ALL UTILITY PLANS AND AS-BUILT INFORMATION.
- TEMPORARY DISCONNECTION OF SERVICES FOR TIE-INS, WATER SERVICE CONNECTIONS SHALL BE INDIVIDUALLY AND PROPERLY COORDINATED WITH PROPERTY OWNERS AND THE TOWN OF MEDLEY.
- 21. TRENCHES SHALL NOT BE LEFT OPEN OVERNIGHT. A TEMPORARY COVER WITH A CAPACITY OF HS-20 LOADING SHALL BE REQUIRED AT NO EXTRA COST TO THE TOWN OF MEDLEY.
- TRENCHES AND TRENCHING SHALL COMPLY WITH THE FLORIDA TRENCH SAFETY ACT (SECTION 553.60-553.64) AND OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION EXCAVATION SAFETY STANDARDS, 29 C.F.R.S. 1926.650 SUBPART "P" INCLUDING ALL SUBSEQUENT REVISIONS. TRENCH AND DITCHES SHALL COMPLY WITH NECESSARY SECURITY AS PER RULE 38C-43.02 FAC AND 6A-2.095 (2). CONTRACTOR SHALL PROVIDE APPROPRIATE CERTIFICATION OF COMPLIANCE WITH ALL JURISDICTIONAL REQUIREMENTS. SUCH CERTIFICATION MUST BE SUBMITTED PRIOR TO CLOSE OUT AND FOR PROJECT TO BE ACCEPTED AS COMPLETE.
- SHOP DRAWINGS: CONTRACTOR SHALL COMPLY WITH PROJECT GENERAL CONDITIONS AND APPLICABLE TECHNICAL SPECIFICATIONS.
- CONTRACTOR SHALL REQUEST PRE-CONSTRUCTION MEETING WITH THE TOWN OF MEDLEY WATER AND SEWER DEPARTMENT TO REVIEW PROCEDURES BEFORE ISSUANCE OF NOTICE TO PROCEED AND CONSTRUCTION WORK.
- FIRE HYDRANT REQUIREMENT (NUMBER AND LOCATION) SHALL BE AS REQUIRED BY THE MIAMI-DADE FIRE DEPARTMENT OR THE APPROPRIATE FIRE AGENCY WITH INSTALLATION IN ACCORDANCE WITH THE TOWN OF MEDLEY AND WASD STANDARDS AND REQUIREMENTS. FIRE HYDRANTS SHALL BE EITHER MUELLER OR KENNEDY.
- WORK PERFORMED UNDER THIS PROJECT WILL NOT BE CONSIDERED COMPLETE UNTIL FINAL ACCEPTANCE AND CERTIFICATION OF THE SYSTEM IS EXECUTED.
- AT THE COMPLETION OF ANY SEGMENT OF THE JOB THE CONTRACTOR SHALL SUBMIT AS-BUILTS PRINTS AND AUTO CAD FILES WHICH HAVE BEEN SIGNED AND SEALED BY A FLORIDA LICENSED PROFESSIONAL SURVEYOR AND
- AS-BUILT REQUIREMENT SHALL BE IN ACCORDANCE WITH TOWN OF MEDLEY STANDARDS AND SHALL ALSO COMPLY WITH WASD GS 0.5.
- CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS IN ACCORDANCE TO BEST MANAGEMENT PRACTICES AND INDUSTRY STANDARD TO PREVENT DAMAGING ANY EXISTING UTILITY TO REMAIN INCLUDING BUT NOT LIMITED TO THE EXISTING VCP SANITARY SEWER LINE RUNNING ALONG NW SOUTH RIVER DRIVE. DAMAGED UTILITIES BY THE CONTRACTOR SHALL BE REPAIRED AS REQUIRED BY THE EOR AND SHALL BE PERFORMED AT THE CONTRACTOR'S COST.
- CONTRACTOR SHALL ENGAGE THE SERVICES OF LICENSED AND CERTIFIED UNDERGROUND SUBSURFACE ENGINEERING CONTRACTOR TO IDENTIFY AND LOCATE EXISTING UTILITIES AND INFRASTRUCTURE. THIS CONSTRUCTION SET INCLUDES A SOFT DIG LOCATION PLAN FOR USE AND GUIDANCE FOR THE CONTRACTOR. HOWEVER, THIS PLAN DOES NOT RELIEVE THE CONTRACTOR OF HIS/HER RESPONSIBILITY TO PERFORM A THOROUGH UNDERGROUND ASSESMENT PRIOR TO CONSTRUCTION OPERATIONS. THE CONTRACTOR IS RESPONSIBILITY FOR MAINTAINING CONDITION OF EXISTING UTILITIES WITHOUT ANY IMPACT OR DAMAGE TO ALL SUCH FACILITIES.

- 31. CONTRACTOR SHALL FIELD ADJUST LOCATIONS OF NEW FIRE HYDRANTS WHERE NECESSARY TO AVOID CONFLICTS WITH EXISTING CORRIDOR FEATURES INCLUDING BUT NOT LIMITED TO DRIVEWAYS. ABOVE GROUND DECO, LIGHT POLES, SIGNAGE AND POWER POLES. SUCH ADJUSTMENT SHALL BE MADE ONLY AFTER WRITTEN CONCURRENCE FROM ENGINEER OF RECORD AND THE TOWN OF MEDLEY.
- 32. CONTRACTOR SHALL UNDERTAKE PRE CONSTRUCTION SUBSURFACE UTILITY ENGINEERING (SUE) LEVEL A "DESIGNATING AND LOCATING" TO DETERMINE DEPTH, MATERIAL, SIZE AND OPERATIONAL CONDITION OF EXISTING UTILITY INFRASTRUCTURE WITHIN THE PROJECT LIMITS. THE RESULTS OF WHICH SHALL BE PROVIDED TO THE ENGINEER OF RECORD AND THE TOWN OF MEDLEY FOR REVIEW AND APPROVAL PRIOR TO THE COMMENCEMENT OF CONSTRUCTION WORK.THE LOCATIONS OF THE DESIRED TEST HOLE LOCATIONS ARE PROVIDED ON THE PLAN SHEETS.

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER) NOTES ON WATER SEWER INSTALLATION

- 1. A PREFERRED HORIZONTAL DISTANCE (OUTSIDE TO OUTSIDE) OF 10 FEET OR MINIMUM OF 6 FEET SHALL BE MAINTAINED BETWEEN GRAVITY OR PRESSURE SEWER PIPES AND WATER MAINS. THE HORIZONTAL SEPARATION CAN BE REDUCED TO A MINIMUM OF 3 FEET ONLY FOR GRAVITY SEWER PIPES WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST 6 INCHES ABOVE THE TOP OF THE GRAVITY SANITARY SEWER. WHEN THE ABOVE SPECIFIED HORIZONTAL DISTANCE CRITERIA CANNOT BE MET DUE TO AN EXISTING UNDERGROUND FACILITY CONFLICT, SMALLER SEPARATIONS ARE ALLOWED IF:
- THE SEWER PIPES ARE DESIGNED AND CONSTRUCTED EQUAL TO THE WATER PIPE AND PRESSURE TESTED AT 150 PSI.
- THE SEWER IS ENCASED IN A WATERTIGHT CARRIER PIPE OR CONCRETE. c. THE TOP OF THE SEWER IS AT LEAST 18 INCHES BELOW THE BOTTOM OF THE WATER PIPE.
- 2. A VERTICAL DISTANCE OF AT LEAST 12 INCHES (OUTSIDE TO OUTSIDE) SHALL BE MAINTAINED BETWEEN ANY WATER AND SEWER MAINS WITH SEWER PIPES PREFERABLY CROSSING UNDER WATER MAINS. THE MINIMUM VERTICAL SEPARATION CAN BE REDUCED TO 6 INCHES FOR GRAVITY SEWERS WHERE THE SEWER PIPE IS CROSSING BELOW THE WATER MAIN. THE CROSSING SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST 6 FEET FROM ALL JOINTS IN GRAVITY AND PRESSURE SEWER PIPES. WHEN THE ABOVE SPECIFIED VERTICAL DISTANCE CRITERIA CANNOT BE MET DUE TO AN EXISTING UNDERGROUND FACILITY CONFLICT, SMALLER SEPARATIONS ARE ALLOWED IF
- a. THE SEWER PIPES ARE DESIGNED AND CONSTRUCTED EQUAL TO THE WATER PIPE AND PRESSURE TESTED AT 150 PSI.
- b. THE SEWER IS ENCASED IN A WATERTIGHT CARRIER PIPE OR CONCRETE.
- 3. THE CONTRACTOR SHALL VERIFY NATURE, DEPTH, AND CHARACTER OF EXISTING UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION.
- 4. ALL OTHER PUBLIC OR PRIVATE UTILITY FACILITIES SHALL BE CONSTRUCTED AT LEAST 5 FEET FROM ANY WATER AND SEWER MAIN AS MEASURED FROM THE OUTSIDE BELL OF THE WATER OF THE UTILITY PIPE.
- 5. WHEN THE 5 FEET SEPARATION BETWEEN PROPOSED AND EXISTING LINE IS NOT POSSIBLE, THE CONTRACTOR SHALL HAND DIG OR EXPOSE THE WATER AND SEWER PIPES BEFORE PROCEEDING WITH POWER EQUIPMENT EXCAVATION.
- 6. IN NO CASE SHALL A CONTRACTOR INSTALL UTILITY PIPES, CONDUITS, CABLES, ETC. IN THE SAME TRENCH PARALLEL AND ABOVE AN EXISTING WATER OR SEWER PIPE EXCEPT WHERE THEY CROSS. ANY DEVIATION FROM NOTES 3, 4 AND 5 SHALL BE APPROVED IN WRITING BY THE RESPONSIBLE WATER AND SEWER UTILITY.
- 7. IN HIGHLY CONGESTED AREAS. WHERE EITHER WATER OR SEWER FACILITIES ARE EXISTING OR THE SEPARATION REQUIREMENTS CANNOT BE MET, SPECIAL CONSIDERATION MAY BE GIVEN SUBJECT TO SUBMITTAL OF DOCUMENTATION SHOWING THAT THE PROPOSED ALTERNATIVE WILL RESULT IN AN EQUIVALENT LEVEL OF RELIABILITY AND PUBLIC HEALTH PROTECTION.





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TOWN OF MEDLEY DEPARTMENT OF ENGINEERING

NW S RIVER MIAMI-DADE DRIVE 12" WM

WATERMAIN CONSTRUCTION NOTES (1 OF 2)

SHEET

WM-2.1

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ASBESTOS CEMENT PIPE WORK PROCEDURES

- 1. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE OSHA REGULATIONS
 RELATING AND INVOLVING ALL CONSTRUCTION WITH, ON AND IN CLOSE
 PROXIMITY TO ASBESTOS CONCRETE PIPE OR ASBESTOS CEMENT PIPE OR
 ASBESTOS CONTAINING PIPE:
- 2.CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT CONSTRUCTION WITH, ON AND IN CLOSE PROXIMITY TO ASBESTOS CONCRETE PIPE OR ASBESTOS CEMENT PIPE OR ASBESTOS CONTAINING IS UNDERTAKEN ONLY BY QUALIFIED FIELD PERSONNEL HAVING MET THE FOLLOWING REQUIREMENTS:

A.ANNUAL TRAINING CERTIFICATION AS A CLASS II WORKER B.ANNUAL RESPIRATORY PROTECTION TRAINING C.PASSING RESPIRATOR FIT TEST

D.ANNUAL ASBESTOS MEDICAL SURVEILLANCE EXAM

CONTRACTOR SHALL SUBMIT APPLICABLE DOCUMENTATION TO THE TOWN OF MEDLEY AND C.E.I. DEMONSTRATING COMPLIANCE PRIOR TO COMMENCEMENT OF CONSTRUCTION

3.CONTRACTOR SHALL PROVIDE FIELD PERSONNEL WITH AIR MONITORING EQUIPMENT TO ASSESS AND DOCUMENT EMPLOYEE EXPOSURE IN COMPLIANCE WITH OSHA 29 CFR 1926.1101 (C) PERMISSIBLE EXPOSURE LIMITS (PELS) REQUIREMENTS. OSHA HAS SET TWO PELS: THE EIGHT (8) HOUR TIME-WEIGHTED AVERAGE OF 0.1 F/CC AND THE THIRTY (30) MINUTE EXCURSION LIMIT OF 1.0 F/CC. THIS REQUIRED FIELD PERSONNEL AIR MONITORING SHALL ALSO PROVIDE HISTORICAL DATA TO ESTABLISH THE INITIAL EXPOSURE ASSESSMENT (IEA) AND THE NEGATIVE EXPOSURE ASSESSMENT (NEA). IN ORDER TO MAINTAIN THE NEA, PERIODIC FIELD PERSONNEL AIR MONITORING SHALL BE PERFORMED BY THE CONTRACTOR. THIS AIR MONITORING CONFIRMS THAT NO EXPOSURE IS OCCURRING. THE FOLLOWING PROCEDURES MUST BE PERFORMED BY THE ASSIGNED COMPETENT PERSON/FIELD SUPERVISOR:

A.CALIBRATE AIR PUMPS PRIOR TO EACH USE.

B.RANDOMLY SELECT A FIELD STAFF/PERSONNEL TO MONITOR THE FIELD PERSONNEL'S BREATHING ZONE FOR THE DURATION OF THE WORK ACTIVITY.

C.PLACE AND SECURE THE AIR PUMP TO FIELD PERSONNEL'S WAIST. D.ATTACH TUBING AND SAMPLING CASSETTE TO AIR PUMP.

E.PLACE AND SECURE SAMPLING CASSETTE TO EITHER SIDE OF THE FIELD PERSONNEL'S SHOULDERS.

F.TURN PUMP ON AND DOCUMENT TIME ON CASSETTE AND WORK ACTIVITY LOG.
G.DOCUMENT FIELD PERSONNEL'S NAME AND ID # NUMBER ON WORK ACTIVITY

H.FILL IN WORK ACTIVITY LOG IDENTIFYING ALL FIELD PERSONNEL INVOLVED IN THE WORK.

I. AFTER 30 MINUTES, REMOVE THE SAMPLING CASSETTE AND DOCUMENT THE TIME.

J.INSERT A NEW SAMPLING CASSETTE AND DOCUMENT THE NEW START TIME.

K.ONCE THE WORK ACTIVITY HAS BEEN COMPLETED, REMOVE THE CASSETTE
AND DOCUMENT THE TIME.

L. SUBMIT THE COLLECTED CASSETTES TO THE APMT FOR SUBSEQUENT LAB

M.RESULTS OF SAMPLE ANALYSES WILL BE PROVIDED TO ALL FIELD PERSONNEL THAT PARTICIPATED IN THE WORK ACTIVITY.

4.WORK AREA PREPARATION

A.ESTABLISH A REGULATED WORK AREA (RWA) USING ASBESTOS BARRICADE

B.POST ASBESTOS WARNING SIGNS AT THE RWA.

C.ESTABLISH AN ASBESTOS WASTE LOAD OUT AREA ATTACHED TO THE RWA. D.SET UP A FILTRATION OR COLLECTION AND DISPOSAL SYSTEM FOR ANY DEWATERING DISCHARGE FROM THE RWA IF REQUIRED.

E.ONCE THE RWA IS ESTABLISHED, NO ACCESS TO THE RWA WILL BE PERMITTED WITHOUT THE REQUIRED PERSONAL PROTECTIVE EQUIPMENT.

5.EXCAVATION

A.CAREFULLY EXCAVATE, IN COMPLIANCE WITH 29 CFR 1926.650 THRU 652, TO EXPOSE AND CONFIRM THE PRESENCE OF AC PIPE.

B.EXCAVATE THE AREA UNDER PIPE THAT WILL BE DISTURBED BY HAND TO PREVENT DAMAGE TO THE PIPE.

6. PIPE REMOVAL

- A.UNLESS THE NEA HAS BEEN ESTABLISHED, ALL FIELD PERSONNEL WORKING WITH, ON AND IN CLOSE PROXIMITY TO ASBESTOS CONCRETE PIPE OR ASBESTOS CEMENT PIPE OR ASBESTOS CONTAINING PIPE MUST USE PERSONAL PROTECTIVE EQUIPMENT (PPE). THE PPE SHALL CONSIST OF A HALF-FACE, FULL-FACE, OR POWERED AIR PURIFYING (PAPR) RESPIRATOR WITH APPROPRIATE AIR FILTERS (DEPENDENT ON ASBESTOS CONCENTRATION), COVERALLS WITH HOOD, STEEL-TOE BOOTS, HARD HAT, SAFETY GLASSES, AND RUBBER OR LEATHER GLOVES.
- B.PLACE POLY DROP CLOTH (WHEN FEASIBLE) UNDER THE WORK AREA TO COLLECT ANY BROKEN ASBESTOS PIPE DEBRIS.
- C.ALL PIPE CUTTING OR BREAKING OPERATIONS REQUIRE THE PIPE TO BE ADEQUATELY WET TO PREVENT ASBESTOS FIBERS FROM BECOMING AIR-BORNE AND PRODUCING VISIBLE EMISSIONS.
- D.PLAN PIPE CUT/BREAK(S) AS NECESSARY TO ACCOMMODATE THE SIZE/WEIGHT OF PIPE BEING REMOVED FOR DISPOSAL.
- E.USE A WHEEL-TYPE PIPE CUTTER (OR EQUIVALENT TOOL) TO MAKE THE SMOOTH CUT AND DRAIN PIPE OF RESIDUAL LIQUIDS.
- F.IF A SMOOTH CUT IS NOT POSSIBLE AND PIPE REQUIRES AGGRESSIVE BREAKING TECHNIQUES (SUCH AS WITH A HAMMER), WRAP THE AREA OF THE PIPE TO BE BROKEN WITH POLY SHEET TO ENSURE ALL THE BROKEN PIECES AND DEBRIS ARE COLLECTED.
- G.PREPARE BROKEN AC PIPE(S) PRIOR TO REMOVAL FROM TRENCH AREA BY KEEPING PIPE(S) WET, WRAPPING IN POLY SHEETS AND DUCT TAPING THE ENDS OR PLACING INSIDE DISPOSABLE BAGS. THE WRAPPING AND BAGGING MUST CONTAIN A LEAK-TIGHT SEAL.
- H.LOAD ASBESTOS CONCRETE PIPE(S) OR ASBESTOS CEMENT PIPE(S) OR ASBESTOS CONTAINING PIPE(S) INTO A TRANSPORT VEHICLE STORED INSIDE A CLOSED CONTAINER.
- I. EACH ASBESTOS CONCRETE PIPE OR ASBESTOS CEMENT PIPE OR ASBESTOS CONTAINING PIPE DISPOSAL BAG MUST BE PROPERLY LABELED AS FOLLOWS: J. DANGER, CONTAINS ASBESTOS FIBERS, AVOID CREATING DUST, CANCER AND
- K.GENERATOR NAME AND ADDRESS OF PIPE REMOVAL LOCATION.

7.CLEAN UP PROCEDURES

IUNG DISEASE HAZARD

- A.CLEAN TOOLS, EQUIPMENT, AND WORK AREA OF ANY ACM DEBRIS/DUST TO PREVENT CROSS CONTAMINATION.
- B.ANY OBJECT THAT CANNOT BE PROPERLY CLEANED SHALL BE DISPOSED AS
- C.INSPECT DEWATERING DISCHARGE AREA TO ENSURE NO ACM HAS MIGRATED. IF SO, AREA SHALL BE PROPERLY CLEANED.
- D.FIELD PERSONNEL SHALL PROPERLY DECONTAMINATE, REMOVE, AND CLEAN PPE TO CONTROL CROSS CONTAMINATION FROM ENTERING INSIDE WORK VEHICLE.
- E.ALL DISPOSABLE PPE SHALL BE DISPOSED AS ACM.
- F.FOLLOW MIAMI DADE (RER) ENVIRONMENTAL PRACTICES GUIDELINES FOR ASBESTOS PIPE DISPOSAL AND TRANSPORT ACM TO DESIGNATED AREA OR APPROVED CLASS I LANDFILL AFTER WORK IS COMPLETE.
- G.FIELD PERSONNELTRANSPORTING, LOADING AND OFF-LOADING ACM SHALL WEAR RESPIRATORY PROTECTION.

<u>ASBESTOS PIPE DISPOSAL - ENVIRONMENTAL PROCEDURES</u> <u>GUIDELINES</u>

- 1. NOTHWISTANDING THE DIRECTIONS CONTAINED HEREIN, THE CONTRACTOR SHALL CONTACT MIAMI DADE COUNTY REGULATORY AND ECONOMIC RESOURCES (RER) DEPARTMENTFOR CUURENT GUIDELINES AND REGULATIONS APPLICABLE IN MIAMI-DADE COUNTY.
- 2. ASBESTOS CONCRETE PIPE OR ASBESTOS CEMENT PIPE OR ASBESTOS
 CONTAINING PIPE DISPOSAL SHALL BE PERFORMED BY CONTRACTOR UTILIZING
 PERSONNEL TRAINED IN ACCORDANCE WITH APPLICABLE OSHA, NESHAP AND
 PREVAILING LOCAL JURISDICTION GUIDELINES. FOR PIPE DISPOSAL, THE
 FOLLOWING STEPS MUST BE FOLLOWED:
- 3.A FORMAL REQUEST FOR DISPOSAL SHALL BE MADE TO MIAMI DADE COUNTY RER (AIR FACILITIES SECTION) AND MIAMI DADE COUNTY SOLID WASTE DEPARTMENT (SOUTH DADE LANDFILL) AT LEAST TWO WEEKS AHEAD OF DISPOSAL OPERATIONS. IN THE REQUEST, THE CONTRACTOR SHALL PROVIDE THE FOLLOWING INFORMATION:

A.NUMBER AND LENGTH OF PIPES. B.PIPE REMOVAL SITE ADDRESS.

C.FACILITY NAME AND ADDRESS WHERE PIPES ARE INTENDED TO BE

DISPOSED.

- 4.THE CONTRACTOR SHALL PROVIDE A 72 HOURS NOTICE OF THE ASBESTOS CONCRETE PIPE OR ASBESTOS CEMENT PIPE OR ASBESTOS CONTAINING PIPE DELIVERY TO THE SOLID WASTE DEPARTMENT SOUTH DADE LANDFILL.
- 5.PRIOR TO TRANSPORTATION OF THE ASBESTOS CONCRETE PIPE OR ASBESTOS CEMENT PIPE OR ASBESTOS CONTAINING PIPE TO THE LANDFILL, THEY MUST BE DOUBLE-BAGGED (WITH MINIMUM OF 6 MIL PLASTIC) AND LABELED INDIVIDUALLY WITH THE FOLLOWING INFORMATION:
 - A.1ST LABEL MUST READ: "DANGER, CONTAINS ASBESTOS FIBERS, AVOID CREATING DUST, CANCER & LUNG DISEASE HAZARD"
- B.2ND LABEL MUST READ "ASBESTOS-CONTAINING PIPE, TOWN OF MEDLEY, AND THE LOCATION/ADDRESS OF PROJECT.
- 6.PIPES SHALL NOT BE STORED DIRECTLY ON THE SOIL. PIPES MUST BE STORED IN A CLOSED CONTAINER. THE DESIGNATED AREA MUST CONTAIN ANY AND ALL ASBESTOS DEBRIS GENERATED BY RIPPED BAGS OR BROKEN ASBESTOS PIPES.
- 7. WHEN HANDLING THE ASBESTOS BAGS WITH HEAVY MACHINERY, HANDLE WITH CARE TO PREVENT CRUSHING OF THE PIPES OR TEARING OF THE BAGS. THE CONTRACTOR FIELD PERSONNEL SHALL AVOID RIPPING OR TEARING BAGS DURING HANDLING OPERATIONS.
- 8.UPON CONFIRMATION OF THE DELIVERY SCHEDULE FROM THE LANDFILL, THE CONTRACTOR SHALL TRANSPORT THE PIPES TO THE SOUTH DADE LANDFILL USING A TRUCK DELIVERY SERVICE REGISTERED WITH THE SOLID WASTE DEPARTMENT.
- 9.THE TRUCK WILL BE WEIGHED AND A WEIGHT TICKET WILL BE ISSUED TO THE TRUCK DELIVERY. THE LANDFILL WILL SIGN AND RETURN REQUIRED DOCUMENTATION TO THE CONTRACTOR, WHILE MAINTAINING A COPY FOR THEIR FILES.



SHEET

WM - 2.2

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TOWN OF MEDLEY
DEPARTMENT OF ENGINEERING
COUNTY
NW S RIVER
DRIVE 12" WM

MIAMI-DADE

(2 OF 2)

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TEST HOLE NO.	UTILITY DESCRIPTION	SIZE	MATERIAL	STATION	OFFSET	LT/RT	EXISTING GROUND ELEVATION	COVER	TOP ELEVATION	OWNER	REMARKS
1	WATER	8''	ACP	1005+31.46	11.22	LT	7.76	-	-	TOWN OF MEDLEY	
2	SANITARY	8"	VCP	1011+06.12	10.76	LT	7.27	-	-	TOWN OF MEDLEY	
3	FORCEMAIN	8''	DIP	1005+58.61	0.84	LT	7.93	-	-	TOWN OF MEDLEY	
4	WATER	8"	ACP	1005+58.52	6.21	LT	7.82	-	-	TOWN OF MEDLEY	
5	FUEL	8"	ACP	1005+58.57	11.29	LT	7.67	-	-	BUCKEYE PIPELINE	
6	FORCEMAIN	8"	DIP	1007+12.91	7.63	RT	7.99	-	-	TOWN OF MEDLEY	
7	WATER	8''	ACP	1008+52.33	5.74	LT	8.21	-	-	TOWN OF MEDLEY	
8	FORCEMAIN	8''	DIP	1008+52.30	10.80	LT	8.08	-	-	TOWN OF MEDLEY	
9	WATER	8''	ACP	1011+06.09	4.30	LT	7.65	-	-	TOWN OF MEDLEY	
10	FORCEMAIN	8''	DIP	1014+04.33	3.58	LT	7.55	-	-	TOWN OF MEDLEY	
1 1	WATER	8''	ACP	1014+04.33	8.22	LT	7.37	-	-	TOWN OF MEDLEY	
12	FORCEMAIN	8''	DIP	1015+85.27	1.78	LT	7.74	-	-	TOWN OF MEDLEY	
13	WATER	8''	ACP	1015+85.27	8.17	LT	7.47	-	-	TOWN OF MEDLEY	
14	SANITARY	8''	VCP	1017+44.83	1.95	RT	8.12	-	-	TOWN OF MEDLEY	
15	WATER	8''	ACP	1017+53.49	7.83	LT	7.60	-	-	TOWN OF MEDLEY	
16	WATER	8''	ACP	1018+79.28	8.03	LT	7.75	-	-	TOWN OF MEDLEY	
17	WATER	8''	ACP	1021+31.82	8.86	LT	7.27	-	-	TOWN OF MEDLEY	
18	WATER	8''	ACP	1023+97.01	8.29	LT	7.74	-	_	TOWN OF MEDLEY	
19	WATER	8''	ACP	1025+97.35	8.23	LT	7.51	-	-	TOWN OF MEDLEY	
20	WATER	8''	ACP	1025+96.96	32.27	LT	6.49	-	_	TOWN OF MEDLEY	
21	WATER	8''	ACP	1026+83.71	7.25	LT	7.84	-	-	TOWN OF MEDLEY	
22	WATER	8''	ACP	1029+67.10	8.13	LT	8.33	-	-	TOWN OF MEDLEY	
23	WATER	8''	ACP	1031+13.44	5.03	LT	8.31	-	-	TOWN OF MEDLEY	
24	WATER	8''	ACP	1031+06.27	20.61	LT	8.02	-	-	TOWN OF MEDLEY	
25	SANITARY	8''	VCP	1033+03.99	20.96	RT	10.22	-	-	TOWN OF MEDLEY	
26	UNGROUND CABLE	4''	PVC	1033+25.45	26.51	RT	10.88	-	-	L3 COMMUNICATIONS	
27	WATER	8''	ACP	1035+51.79	31.93	RT	9.59	-	-	TOWN OF MEDLEY	
28	WATER	8"	ACP	1035+75.40	31.93	RT	9.12	-	-	TOWN OF MEDLEY	
29	WATER	36"	DIP	1036+19.46	31.67	RT	8.60	-	-	MIAMI-DADE WASD	
30	WATER	8''	ACP	1036+39.44	44.83	RT	7.95	-	-	TOWN OF MEDLEY	
31	WATER	8''	ACP	1036+05.52	26.61	LT	8.34	-	-	TOWN OF MEDLEY	
32	WATER	8"	ACP	1036+05.36	32.84	LT	8.36	-	-	TOWN OF MEDLEY	
33	WATER	8''	ACP	1035+85.02	50.53	LT	8.09	-	-	TOWN OF MEDLEY	
34	WATER	8"	ACP	1035+72.56	60.15	LT	8.06	-	-	TOWN OF MEDLEY	
35	WATER	12"	DIP	3011+78.44	35.32	RT	6.15	-	-	TOWN OF MEDLEY	
36	WATER	8''	ACP	3009+89.87	12.17	RT	6.24	-	-	TOWN OF MEDLEY	
37	WATER	8"	ACP	3009+46.85	12.03	RT	6.26	-	_	TOWN OF MEDLEY	
38	WATER	6"	ACP	3009+85.23	8.45	LT	5.88	-	_	TOWN OF MEDLEY	
39	WATER	2"	GSD	3009+76.47	21.96	LT	5.58	-	-	TOWN OF MEDLEY	

R E V I S I O N S										
DATE	DESCRIPTION	DATE	DESCRIPTION							
				EAC Co						



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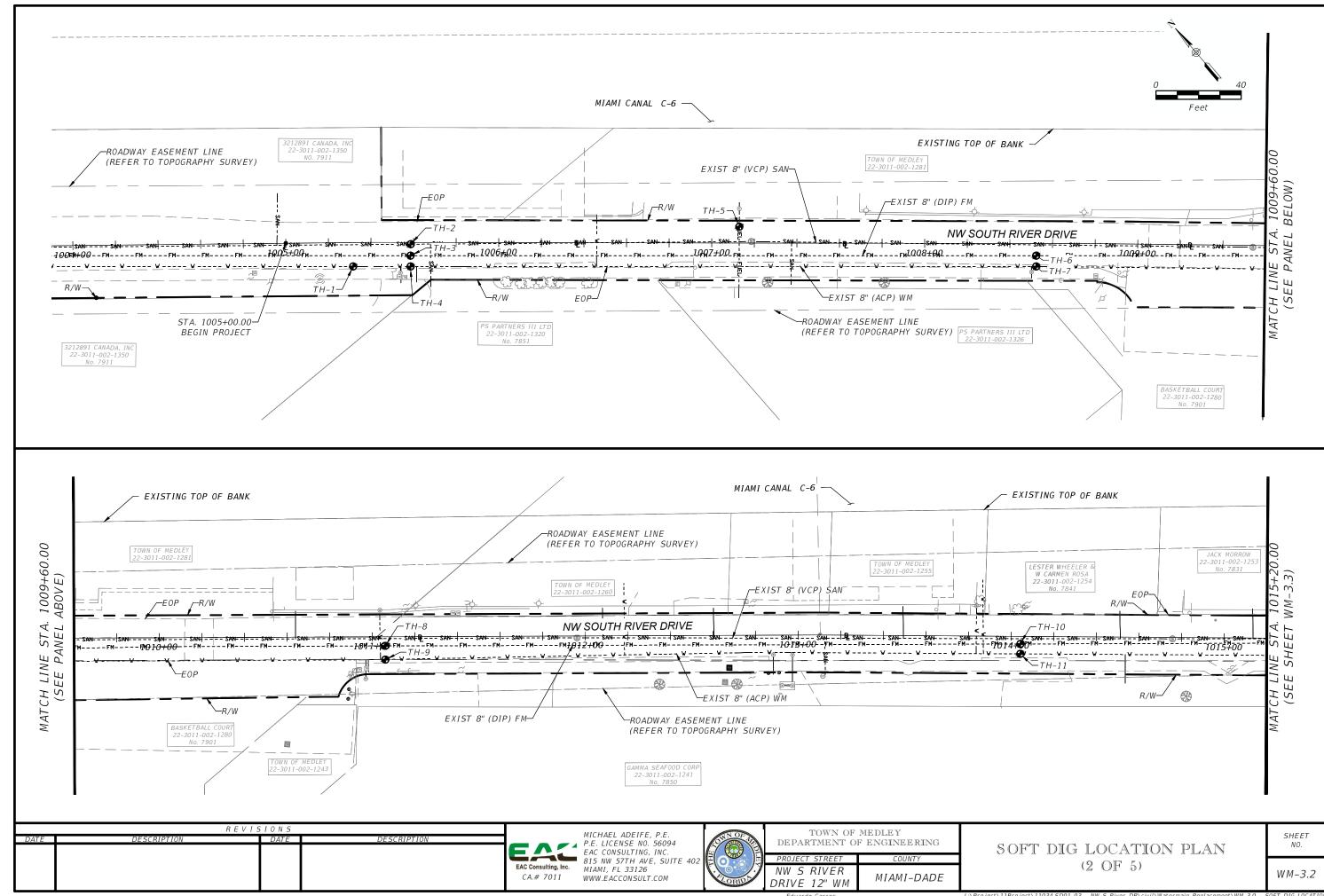
TOWN OF MEDLEY
DEPARTMENT OF ENGINEERING

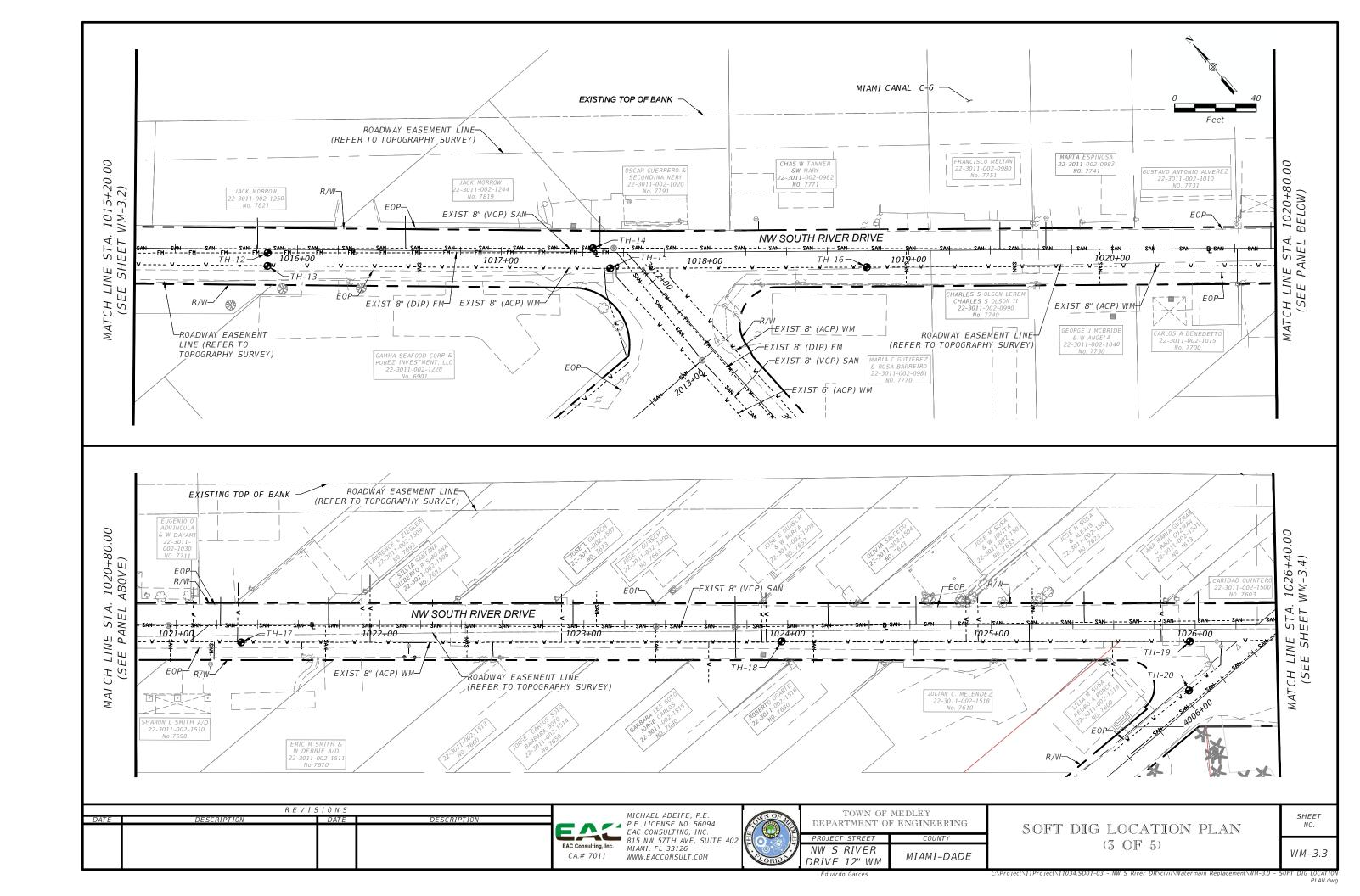
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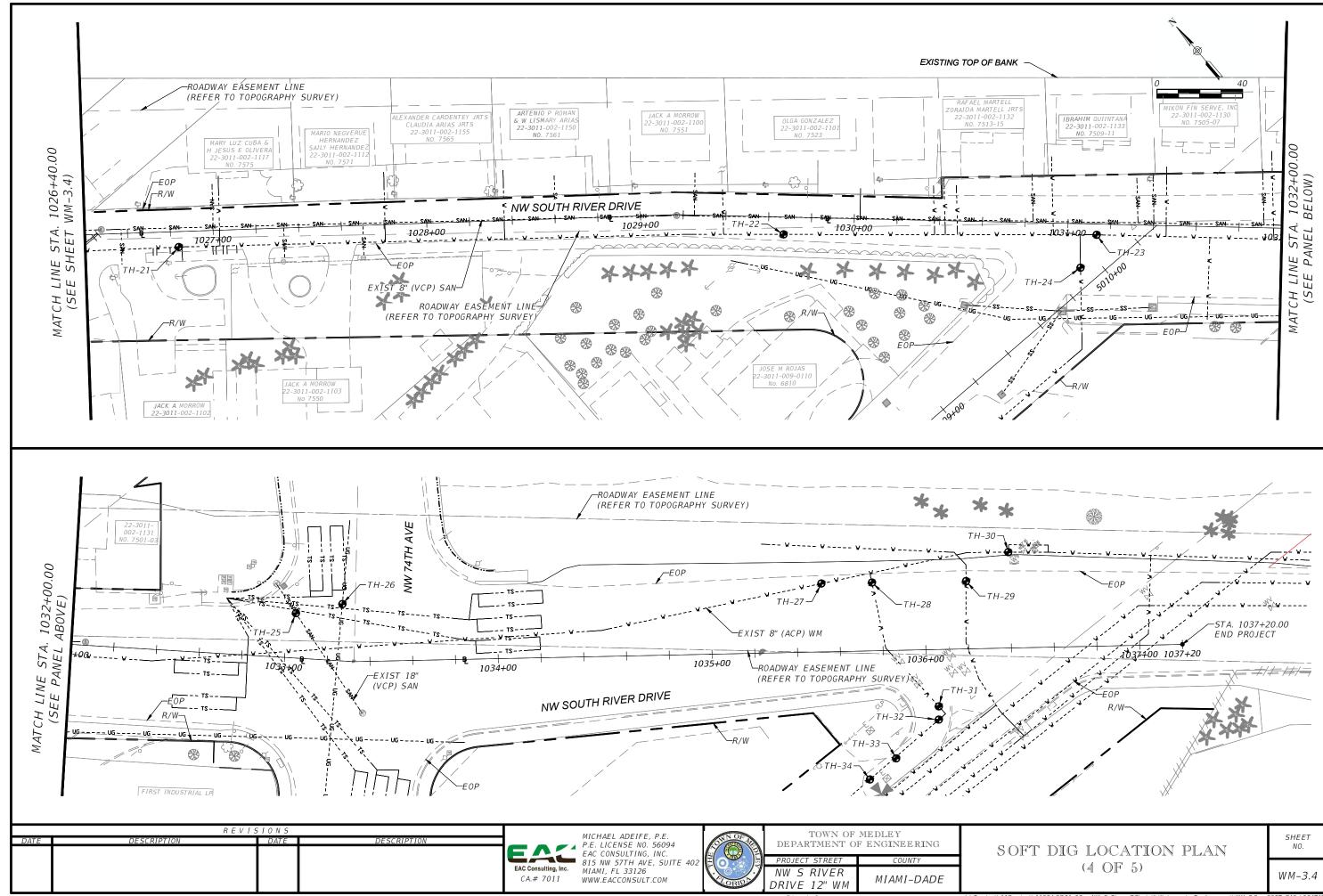
SOFT DIG LOCATION PLAN (1 OF 5)

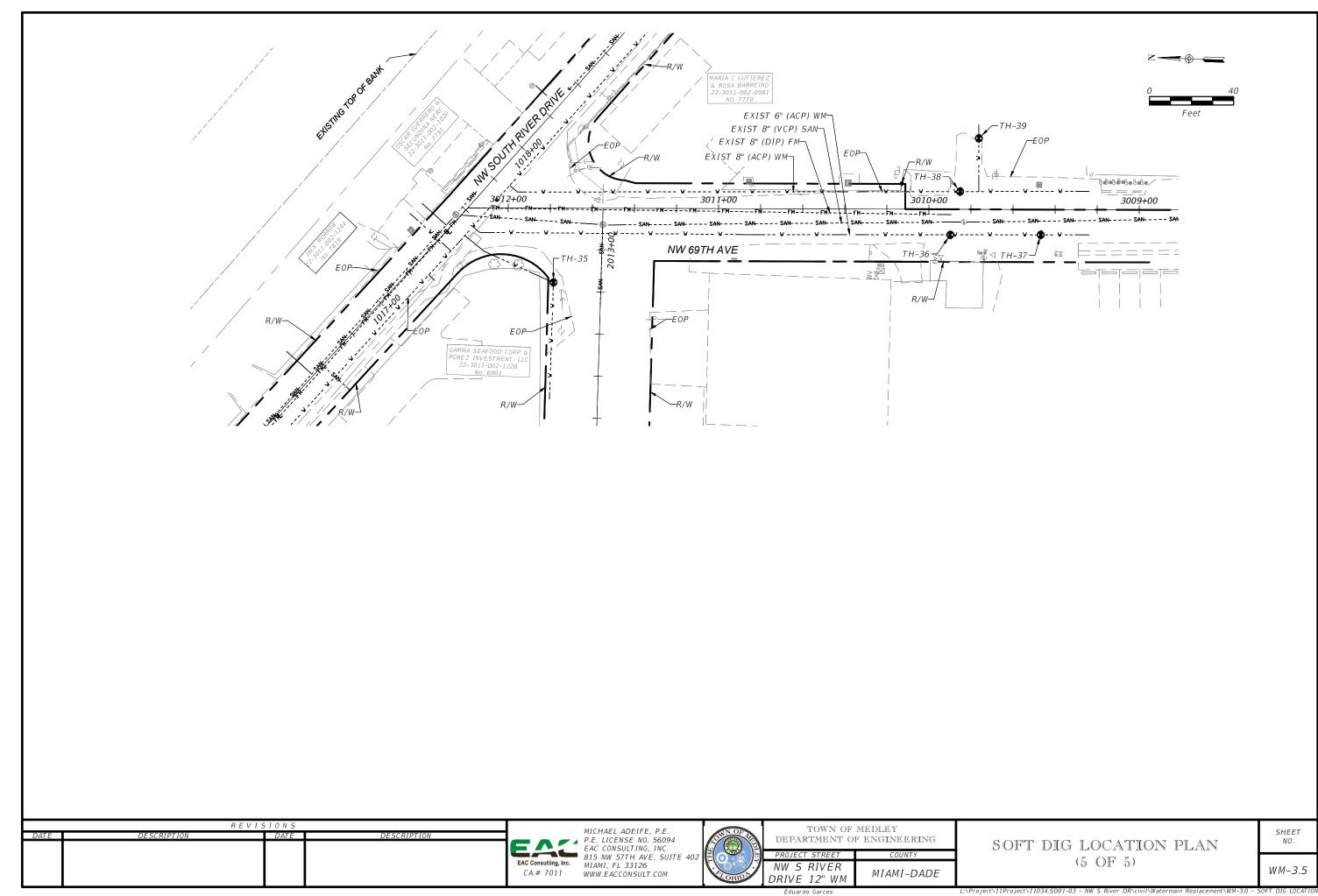
SHEET

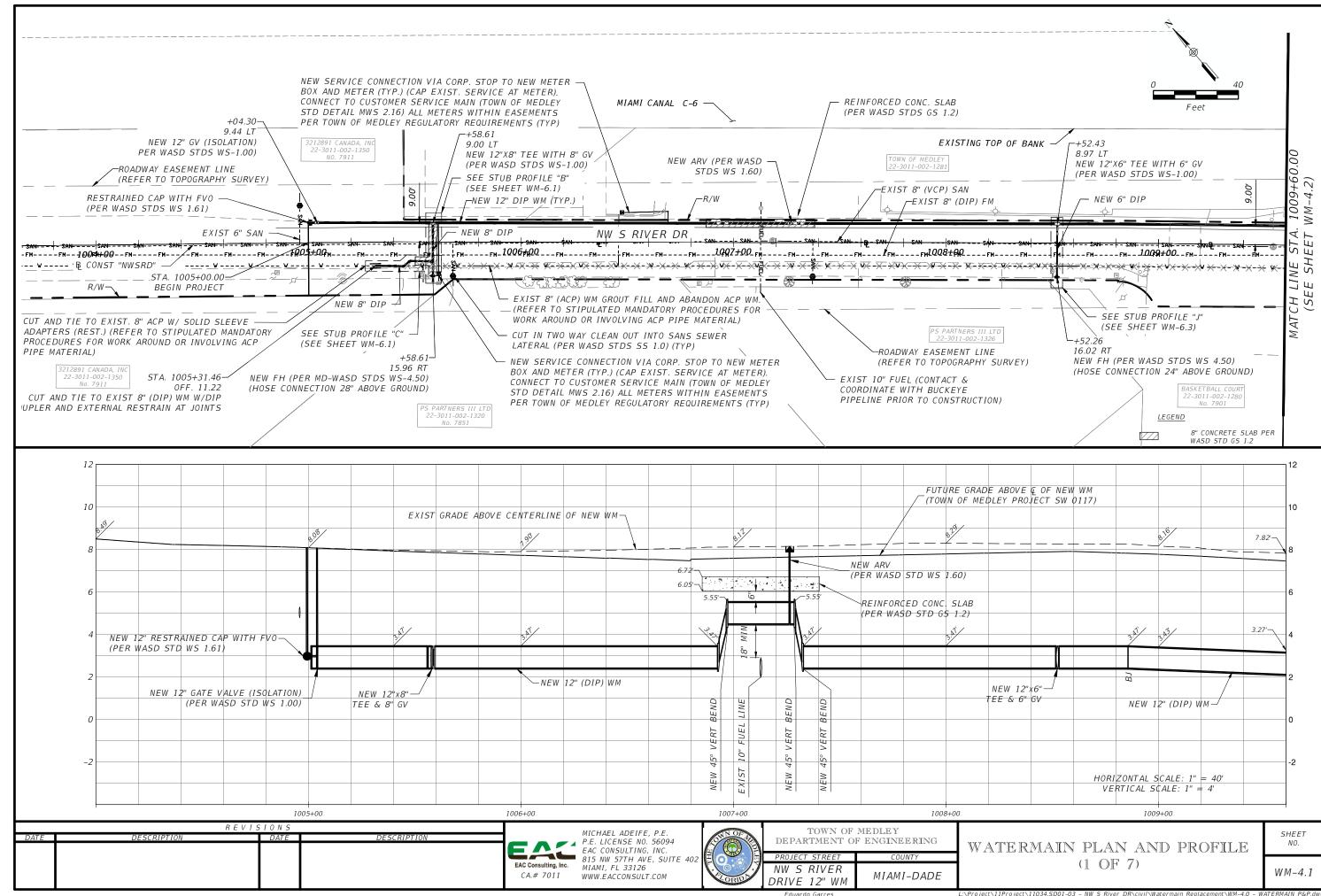
WM - 3.1

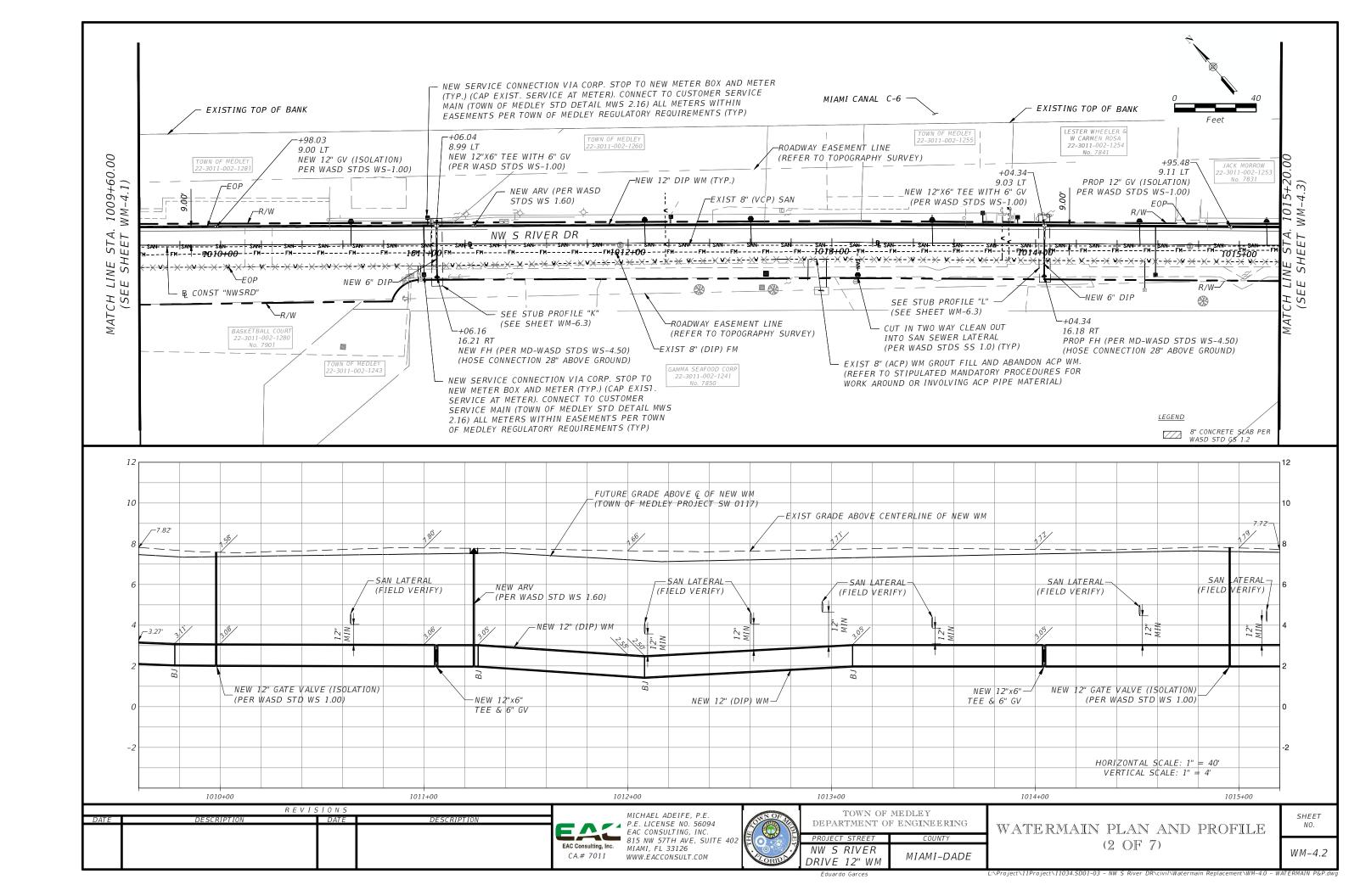


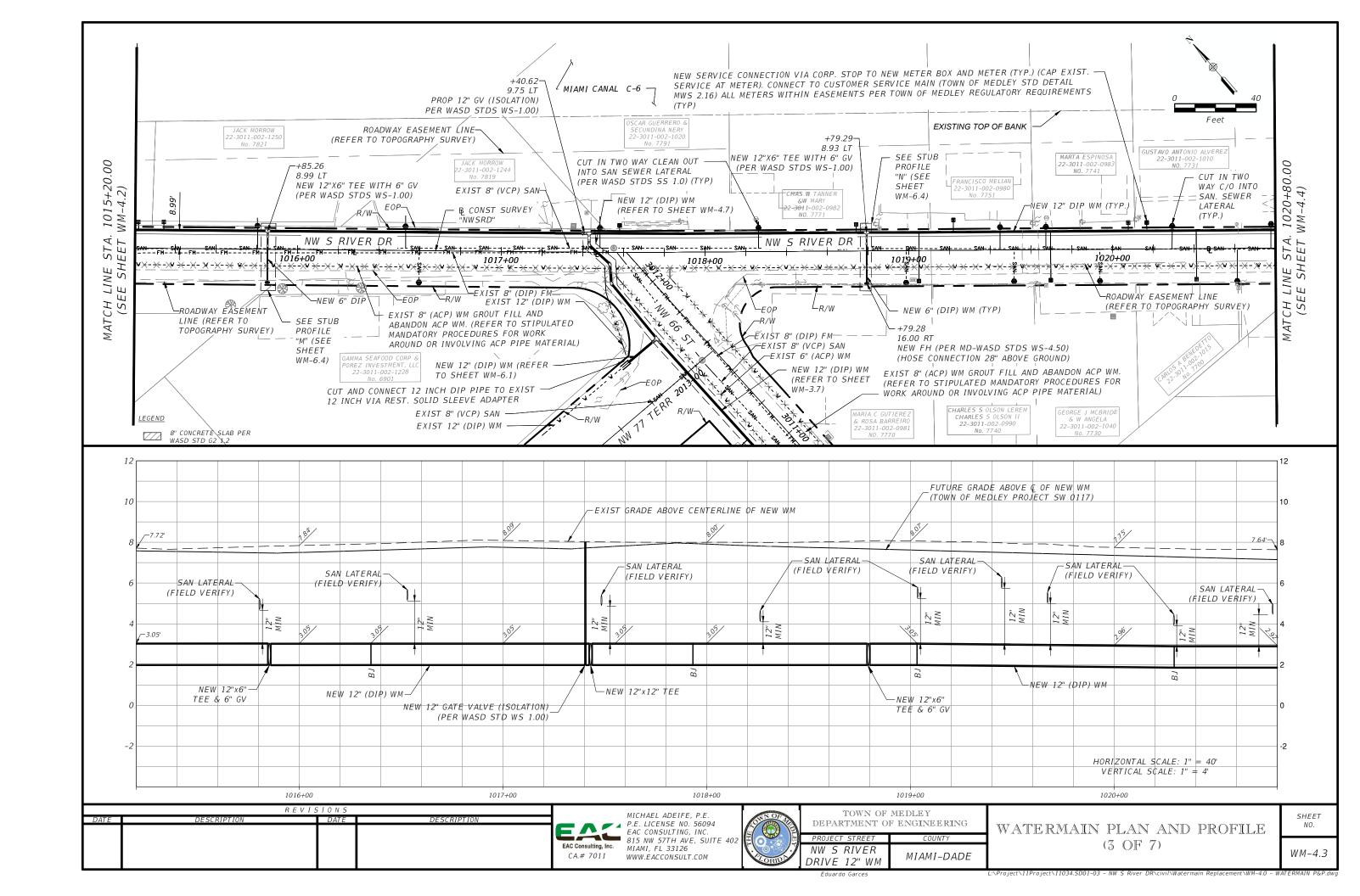


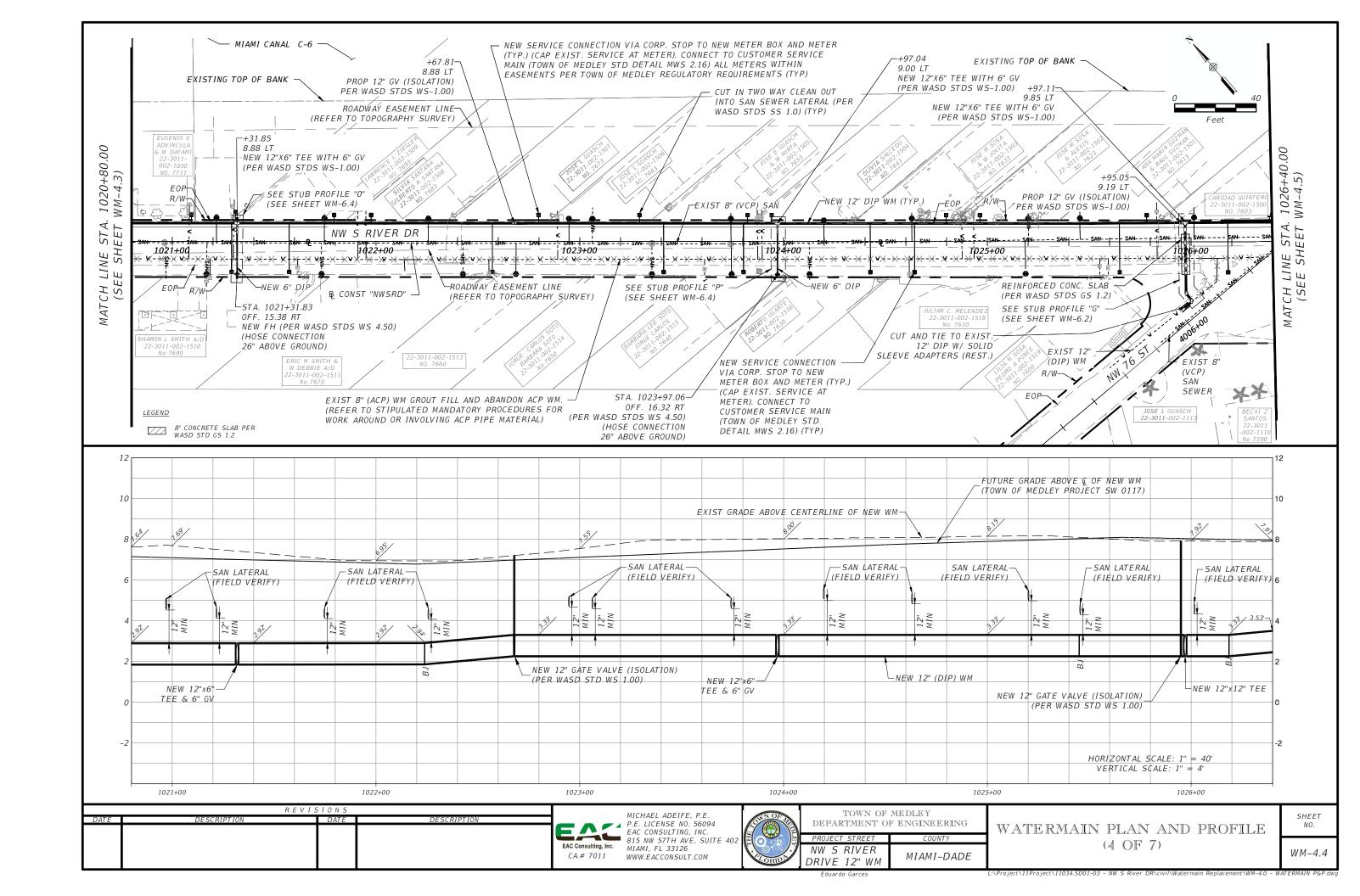


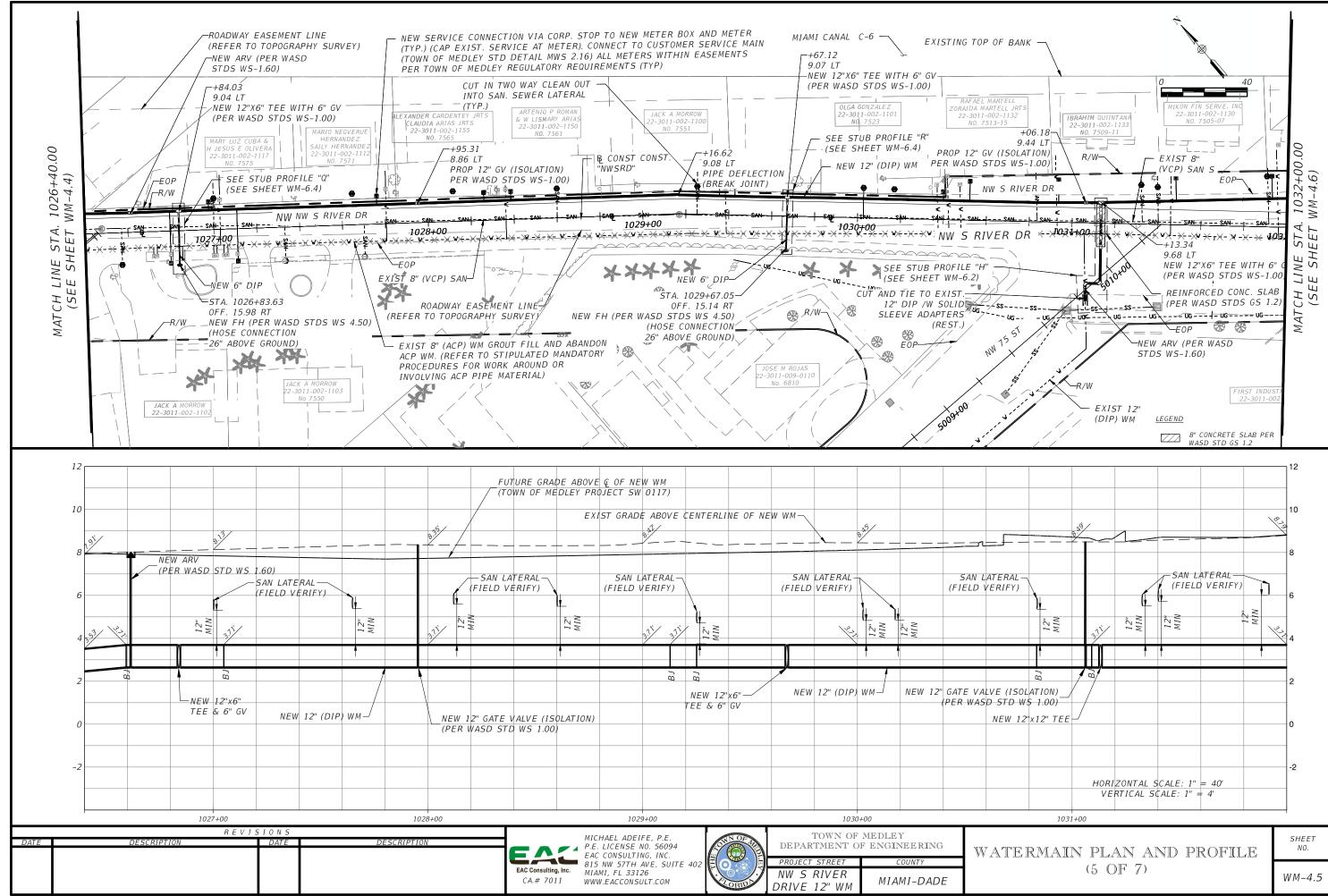


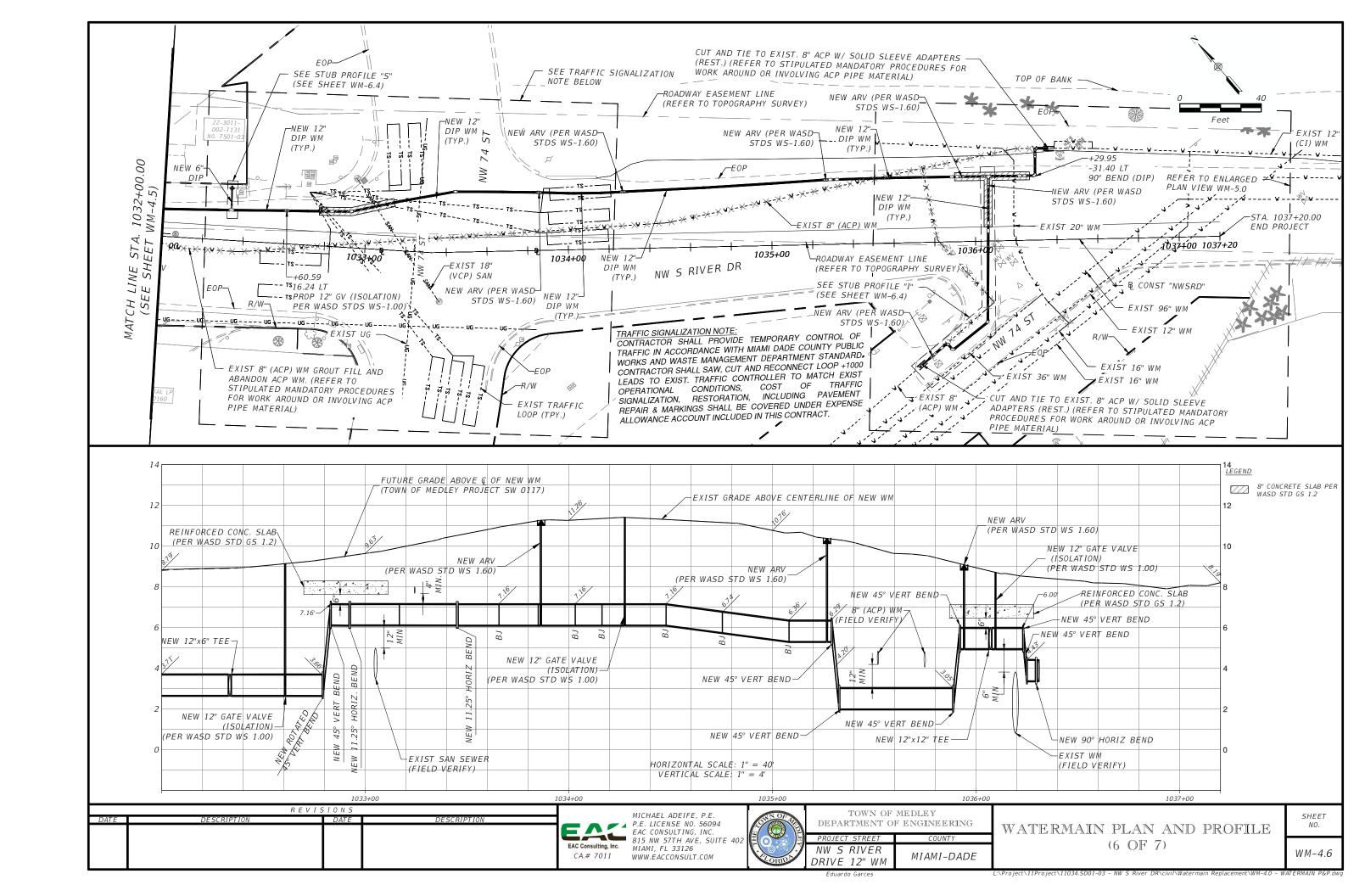


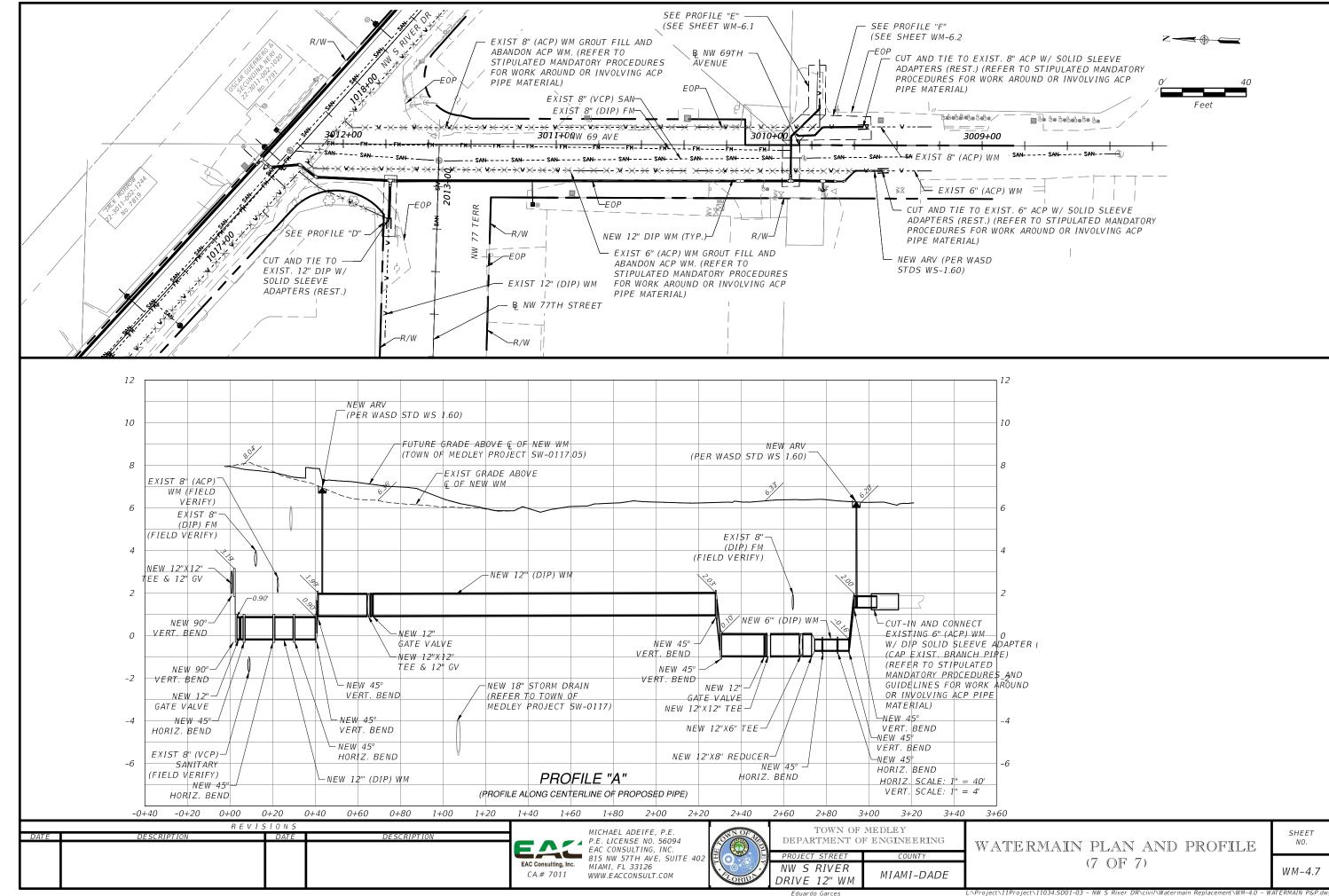


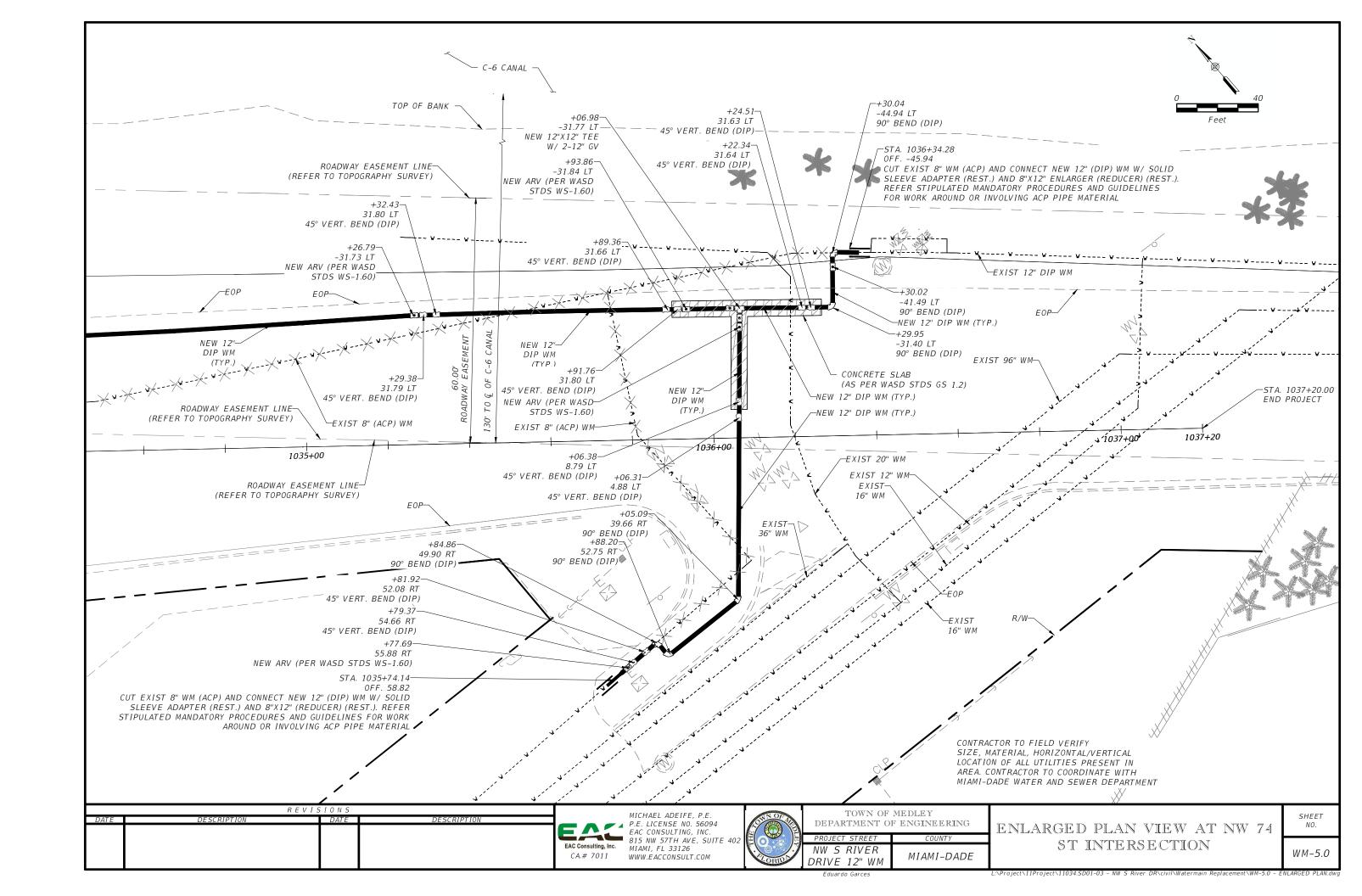


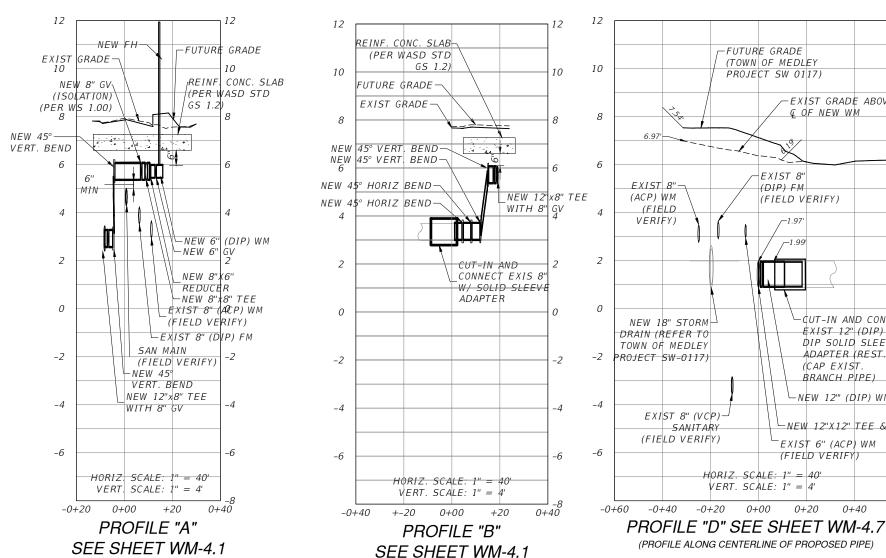


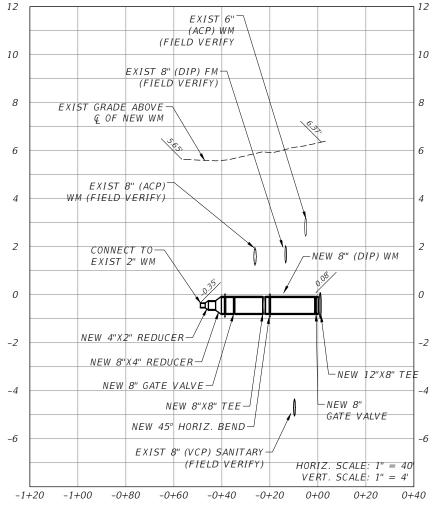












PROFILE "E" SEE SHEET WM-4.7

(PROFILE ALONG CENTERLINE OF PROPOSED PIPE)

	REVISIONS				
DATE	DESCRIPTION	DATE	DESCRIPTION		
				EAC CO	



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TOWN OF MEDLEY DEPARTMENT OF ENGINEERING

ROJECT STREET IW S RIVER MIAMI-DADE RIVE 12" WM

WATERMAIN SPECIAL PROFILES (1 OF 4)

SHEET WM-6.1

∠EXIST GRADE ABOVE

-CUT-IN AND CONNECT

DIP SOLID SLEEVE

ADAPTER (REST.)

(CAP EXIST.

EXIST 6" (ACP) WM

(FIELD VERIFY)

0+20

BRANCH PIPE)

NEW 12" (DIP) WM

-NEW 12"X12" TEE & 12" GV

0+40

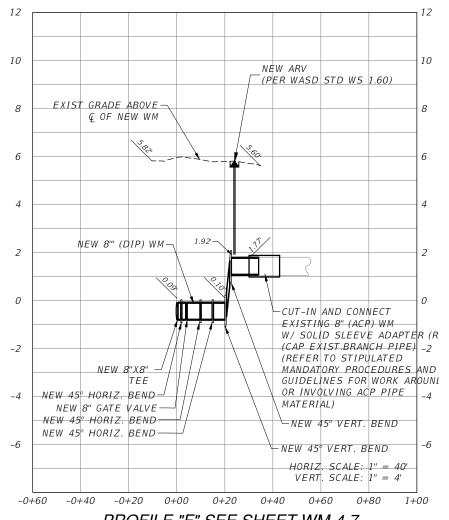
EXIST 12" (DIP) WM W/

Q OF NEW WM

EXIST 8"

(DIP) FM

(FIELD VERIFY)



12 NEW ARV (PER WASD STD WS 1.60) FUTURE GRADE ABOVE Q OF NEW WM (TOWN OF MEDLEY 10 EXIST GRADE ABOVE PROJECT SW-0117.05) Q OF NEW WM REINFORCED CONC. SLAB TPER WASD STD GS 1.2) -NEW 12"" (DIP) WM EXIST 8" SANITARY (FIELD VERIFY) -NEW 9 ϕ ° HORIZ.| BEND NEW 12"X12" -CUT-IN AND CONNECT EXIST 12" (DIP) WM W/DIP SOLID SLEEVE O 0 ADAPTER (REST.) (CAP EXIST. ? - NEW 45°-BRANCH PIPE) VERT. BEND -2 EXIST 8" (ACP) WM-NEW 90° HORIZ. BEND (FIELD VERIFY) −2 - NEW 90° NEW 18" STORM-VERT. BEND DRAIN (REFER TO TOWN OF MEDLEY PROJECT SW-0117) -6 HORIZ. SCALE: 1'' = 40'VERT. SCALE: 1" = 4" -0+40 -0+20 0+00 0+20 0+40 0+60 0+80 -0+60

NEW WM (TOWN OF MEDLEY -NEW 18" STORM PROJECT SW-0117.05) DRAIN (REFER TO EXIST GRADE ABOVE TOWN OF MEDLEY 10 PROJECT \$W-0117) 10 Q OF NEW WM REINFORCED CONC. SLAB (PER WASD 8 STD GS 1.2)-NEW ARV (PER WASD STD WS 1.60) NEW ARV -(PER WASD STD WS 1.60) NEW 12"X 12" 4 TEE NEW 12" GATE VALVE 2 - NEW 45°-VERT. BEND 0 -NFW 90° EXIST 8" SANITARY -ROTATED. (FIELD VERIFY) BEND EXIST 8" (ACP) WM -2 (FIELD VERIFY) 2 - NEW 45°-CUT-IN AND CONNECT EXIST 12" (DIP) VERT. BEND -4 WM W/DIP SOLID NEW 12" (DIP) WM-SLEEVE ADAPTER (REST.) (CAP EXIST. NEW 90° ─ BRANCH PIPE) ROTATED. BEND -6 HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4"-0+60 -0+40 -0+20 0+00 0+20 0+40 0+60

FUTURE GRADE ABOVE & OF

PROFILE "F" SEE SHEET WM-4.7 (PROFILE ALONG CENTERLINE OF PROPOSED PIPE)

PROFILE "G" SEE SHEET WM-4.4 (PROFILE ALONG CENTERLINE OF PROPOSED PIPE)

PROFILE "H" SEE SHEET WM-4.5 (PROFILE ALONG CENTERLINE OF PROPOSED PIPE)

R E V I S I O N S				
DATE	DESCRIPTION	DATE	DESCRIPTION	ΕΔ
				EAC Consulting, CA.# 7011

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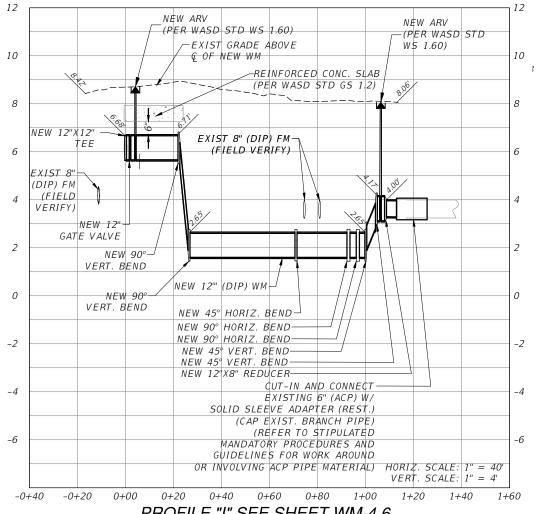
TOWN OF MEDLEY DEPARTMENT OF ENGINEERING

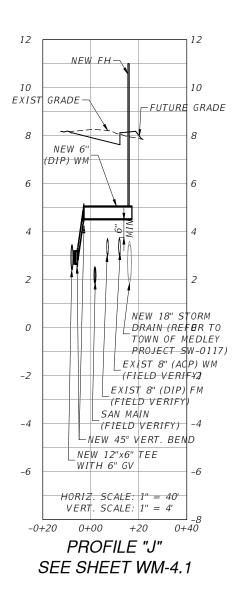
NW S RIVER MIAMI-DADE DRIVE 12" WM

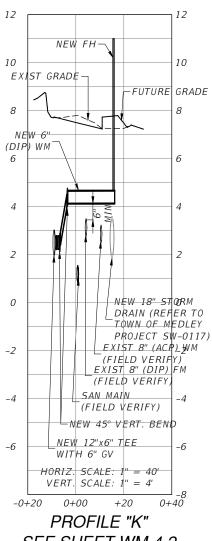
WATERMAIN SPECIAL PROFILES (2 OF 4)

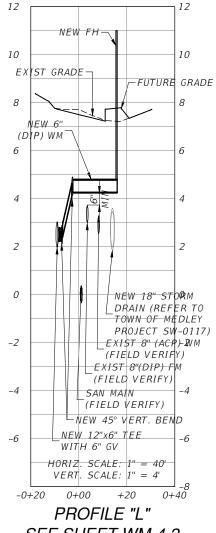
SHEET

WM-6.2









PROFILE "I" SEE SHEET WM-4.6 (PROFILE ALONG CENTERLINE OF PROPOSED PIPE)

SEE SHEET WM-4.2

SEE SHEET WM-4.2



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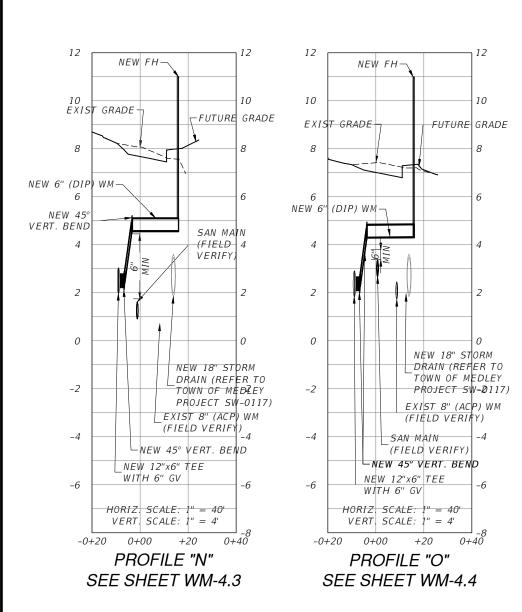
TOWN OF MEDLEY DEPARTMENT OF ENGINEERING

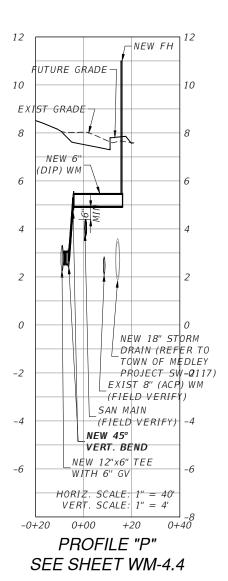
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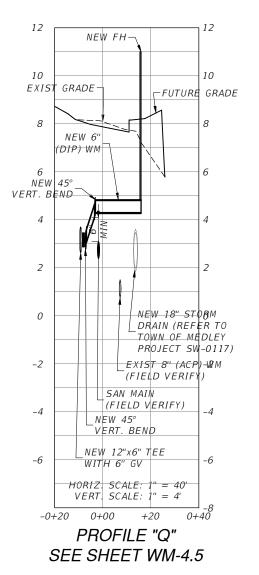
WATERMAIN SPECIAL PROFILES (3 OF 4)

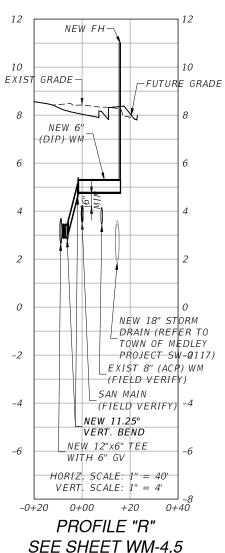
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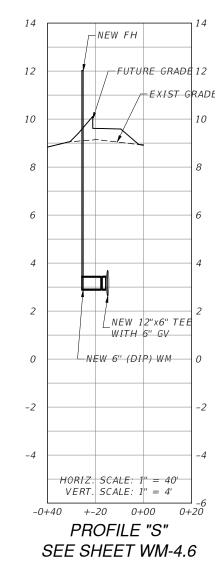
WM-6.3













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TOWN OF MEDLEY DEPARTMENT OF ENGINEERING

NW S RIVER MIAMI-DADE DRIVE 12" WM

WATERMAIN SPECIAL PROFILES (4 OF 4)

SHEET

WM-6.4 L:\Project\11Project\11034.SD01-03 - NW S River DR\civil\Watermain Replacement\WM-6.0 - WATERMAL

- ALL MATERIALS AND LABOR UNDER THIS PROJECT SHALL BE IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE MANI-DADE WATER AND SCHER DEPARTMENT AND SHALL DONCOMIN TO THE STANDARDS AND SPECIFICATIONS AVAILABLE AND ON FILE WITH THE DEPARTMENT, SUBMIT SHAPP DRAWNINGS FOR ALL MATERIALS.
- ALL MAIN LINE VALVES SHALL BE INSTALLED COMPLETE WITH 10" RISER PIPES AND NO. 3 OR 53 VALVE BOXES FIRE HYDRANTS AND SERVICE VALVES SHALL BE INSTALLED COMPLETE WITH 6" RISER PIPES AND NO. 2 VALVE BOXES.
- ALL FORCE MAIN SERVICE CONNECTIONS INTO PRESSURE TRANSMISSION MAINS SHALL HAVE A SHUT OFF VALVE AND CHECK VALVE AT THE POINT OF ENTRY.
- 5. ALL GRAVITY SYSTEMS SHALL BE CONSTRUCTED IN ACCORDANCE WITH DEPARTMENT STANDARDS.
- 6. ALL WATER METERS WILL BE INSTALLED BY THE MIAMI-DADE WATER AND SEWER DEPARTMENT PROVIDING THE APPROPRIATE CHARGES HAVE BEEN PREPAID.
- FIRE HYDRANT REQUIREMENTS (NUMBER AND LOCATION) SHALL BE AS REQUIRED BY THE MIAMI-DADE COUNTY FIRE DEPARTMENT OR THE APPROPRIATE FIRE AGENCY WITH INSTALLATION IN ACCORDANCE WITH DEPARTMENT STANDARDS.
- Contractor must call M-dwasd inspection dimision to arrange for a preconstruction meeting 2 full business days prior to proposed start of construction. Contact one call center 48 Hrs prior to excavation.
- CONTRACT INSPECTOR WILL INSPECT ANY FACILITIES APPROVED BY THE DEPARTMENT. ALL OTHER REQUIREMENTS OF THE PERMITTING AGENCY SHALL BE IN ACCORDANCE WITH THEIR STANDARDS AND REQUIREMENTS.

SYSTEM

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- O. EASEMENTS, IF REQUIRED.

 D. CONTRACTOR'S WAMER AND RELEASE OF LIEN.

 C. ABSOLUTE BLU OF SALE.

 d. L. CONTRACTOR'S LIETTER OF WARRANTY (LE, LETTER AGREEMENT).

 E. DRELOFFE'S CONTRACT BOND (LE, CONTRACT AGREEMENT).

 E. WAS—BUILL' PRINTS 24"x36" SHOWING SPECIFIC LOCATIONS, DEPTH, ETC. OF ALL WATER AND SEWER FACILITIES AS LOCATED BY A LICENSED FLORIAL SURVIVOR, ALLONG WITH PRINTS OF "AS-BUILL" WHICH HAVE BEEN SIGNED AND SEALED BY A RESISTERCE SURVIVOR. (No. OF PRINTS. 3-FOR WATER, 4-FOR GRAVITY SWEPR AND 5-FOR FORCE MAIN OR PUMP STATION PROLECTS, THE DEPARTMENT RESENESS THE RIGHT TO REQUIRE SUBMITTAL ON ELECTRONIC MEDIA IN ACCORDANCE WITH SEC. OTTS" MAGNETIC MEDIA SUBMITTAL.

 f. H.R.S. LETTER OF RELEASE REQUIRED FOR ALL WATER PROLECTS.

 g. BILL OF SALE SKERICH (65"/4") FOR WATER MOSI SEWER, SEPARATELY.
- g. BILL OF SALE SKETCH (81/2"x11") FOR WATER AND SEWER, SEPARATELY.
- 11. ALL NEW CONNECTIONS FROM EXISTING DEPARTMENT MAINS TO BE MADE BY DEPARTMENT FORCES ONLY. THE CONTRACTOR TO EXCAVATE AT REQUIRED LOCATIONS, PROVIDE AND INSTALL MATERIAL WITH FITTINGS, PRIOR TO TAP.
- AN APPROVED PAVING AND DRAINAGE PLAN MUST BE SUBMITTED TO MDWASD FOR ALL NEW SUBDIVISIONS PRIOR TO APPROVAL OF WATER AND SEWER PERMIT PLANS, UPON REQUEST.
- 13. INJESS OTHERWISE SPECIFICI, ALL TARS 20 INCHES AND SMALLER FOR CONNECTIONS TO EXISTING MANIS WILL BE DONE BY DEPENDENT FORES, UNDER NO GROUNSTANCES WILL THE CONTRIVENCE BY PERMITTED TO THE DESCRING MANIS IN THE SZET RANGE SPECIFIED ABOVE. THE TAPPING SLEEVE AND TAPPING VALVE ARE FURNISHED AND INSTALLED BY THE CONTRIVENCY BURDET THE SUPPRISSION OF THE INSPECTOR.

				ITEM	CROSS REF.	SPEC. REF.
	ISSUE DATE	APPROVED BY	STANDAR	D DETAIL	GS	
	03/01/2010	V.F.C.	STANDARD REQUIREMENTS WATER AND SEWER		0.5	
IAMI-DADE						
Incrina Excellence Every Day					SHFFT 1 OF 2	
			CONSTR	UCTION		

PRES SEWER, SEWER

WATER AND SEWER MAINS CROSSING

1. AT THE COMPLETION OF ANY WATER AND SEWER JOB, EITHER DONATION OR CONTRACT, THE CONTRACTOR a. AS-BUILT PRINTS WHICH HAVE BEEN SIGNED AND SEALED BY A FLORIDA LICENSED PROFESSIONAL SURVEYOR AND MAPPER. (QTY. OF PRINTS, AS REQUIRED BY THE DEPARTMENT.) 6. 24 xxo PYRNIS DE LOCATION MAP SCALE SHOULD BE 1"=300" AND SECTION-TOWNSHIP-RANGE SHOULD BE SHOWN. C. THE WORD "AS-BUILT" IN LARGE LETTERS. IN THIS PROPERTY OF THE PROPERTY OF THE STATE OF THE ST F. STREET NOMENCATURE.

9. SEPARATE AS-BUILTS FOR WATER AND SEWER.

1. SEPARATE AS-BUILTS FOR WATER AND SEWER.

1. STATIONING STARTING WITH 0-00 AT PERMANENT REFERENCE POINT (I.E., §, §, ETC.) OR AS SHOWN ON DESIGN PERMIT PLANS, AND TO RUIN CONTINUOUSLY TO END OF MAIN.

1. DESCEMENTS, F. ANT, TIEL TO PERMANENT REFERENCE POINT.

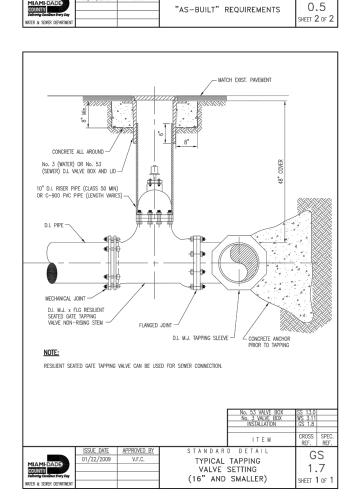
16. IDENTIFY ALL CONTROL LINES (I.E. BLOG. LINE, PROPERTY LINE, R/W, ETC.).

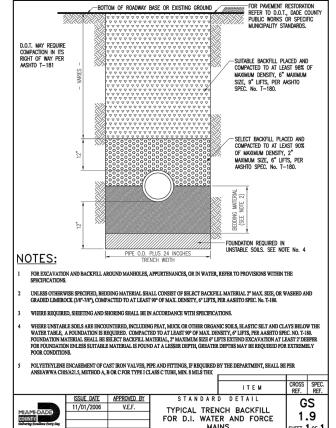
1. ALL "PROPOSED" INFORMATION TO BE REMOVED FROM PRINTS, LEAVING ONLY "AS-BUILT" INFORMATION REFLECTED IN DRAWINGS. o. Plans showing ppe size, material and offset of main, deflections (if any), station of services, hydrants and fittings at the mainline (if perpendicular to (it), and at main and end of services if any, other angle, and deflection of pipe, if any. b. PROFILE SHOWING TOP OF GROUND AND TOP OF PIPE ELEVATIONS AT EVERY 100' STATION AND AT ANY CHANGE IN GRADE (WITH CORRESPONDING STATION), PIPE SIZE AND PIPE MATERIALS REFERENCED TO PLAN. a. PLAN SHOWING MANHOLE NUMBER, PIPE SIZE AND PIPE MATERIAL OF PIPE, DEFLECTION, IF ANY (FORCE MAIN ONLY), AND LOCATION OF LATERALS WITH REFERENCE TO MANHOLE. ONE INVERT, LABEL NORTH, SOUTH , ETC), AND STATION STARTING AT EACH 0+00 AT DOWNSTREAM MANHOLE. 5. FORCE MAIN "AS-BUILT" SAME AS WATER MAIN ABOVE. EACH AS-BUILT SHALL SHOW THE FLORIDA STATE PLANE COORDINATES (CURRENT READJUSTMENT) OF ALL THE MANIFOLES AND OVALVES AND OF AT LEAST TWO HORIZONTAL CONTROL POINTS PROPERLY IDENTIFIED AND LOCATED WITHIN THE PROJECT.

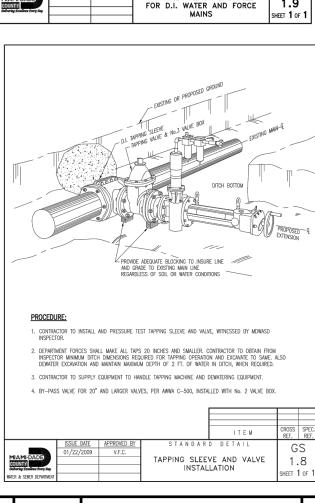
ITEM

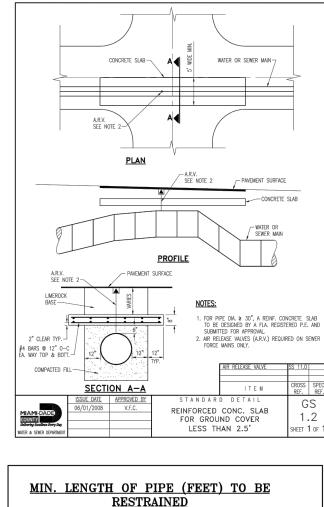
GS

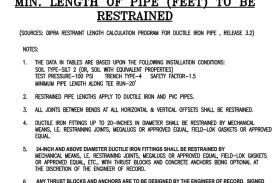
* OTHER SCALE MAY BE PERMITTED, BUT MUST BE APPROVED BY THE DEPA OF DRAWINGS.











- THRUST BLOCKS CONSISTING OF POURED-IN-PLACE CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGH OF 2,500 PSI AFTER 28 DAYS CURING AGE.
- Tables shown on sheets 1 of 5 thru 5 of 5 shall serve as a general design and construction guide only. It is the sole responsibility of the engineer-of-record to justify and goodwarn any deviations from the pipe lengths specified in said tables based on the installation & field conditions.
- 9. AT TIMES ON THE PLANS, DIMENSIONAL ARROWS BETWEEN LOCATOR LINES <u>WHICH ARE EVEN WITH PARTICULAR PIPE JOINTS ARE UTILIZED</u> TO SHOW THE EXTENT OF RESTRANED LENGHTS OF PIPE AND FITTINGS. IN THESE INSTANCES THE JOINT(S) AT THE LOCATOR LINES SHALL BE CONSIDERED AS A RESTRAINED JOINT. HENCE, THE LENGTH OF PIPE BEYOND THE LOCATOR LINE IS RESTRAINED. RESTRAINED

THUS, IN THE SCHEMATIC ABOVE, FOUR LENGTHS OF PIPE ARE BETWEEN THE LOCATOR LINES BUT ALL SIX LENGTHS ARE RESTRAINED.

ISSUE DATE APPROVED BY 4/10/2014 J. F. STANDARD REQUIREMENTS 2.0 FOR WATER AND SEWER MECHANICAL THRUST RESTRAINT SHEET 1 OF 5

WATERMAIN CONSTRUCTION DETAILS

(1 OF 4)

WM - 7.1

GS

1.5

SHEET 1 OF

CA.# 7011

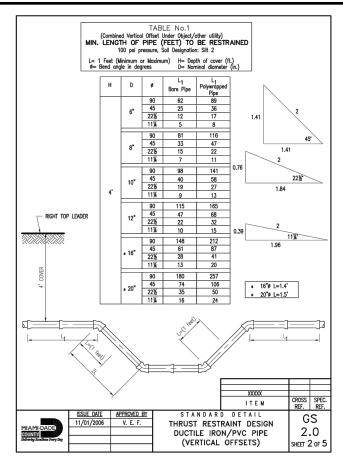
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EAC CONSULTING, INC.
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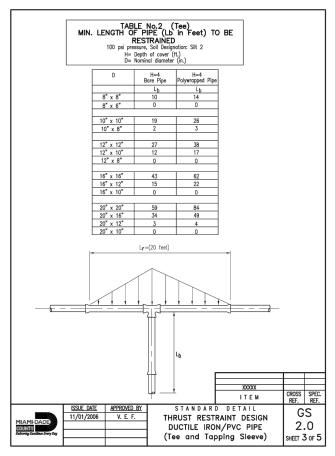


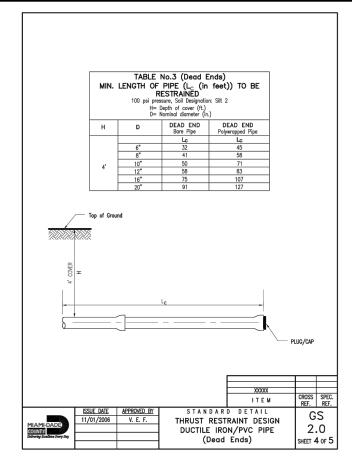
TOWN OF MEDLEY DEPARTMENT OF ENGINEERING NW S RIVER

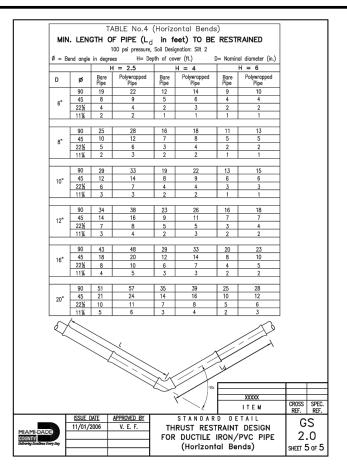
DRIVE 12" WM

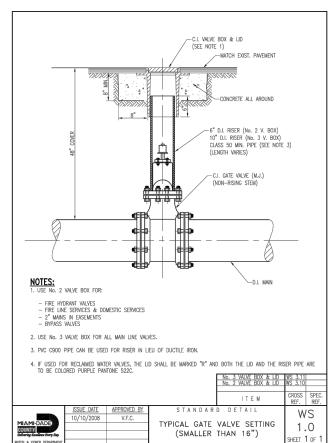
MIAMI-DADE

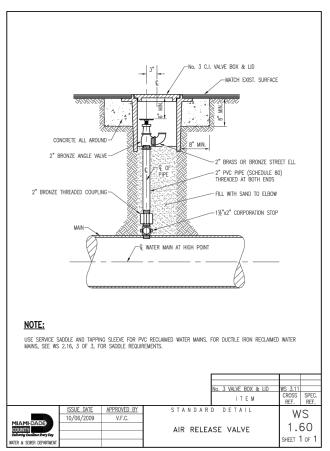


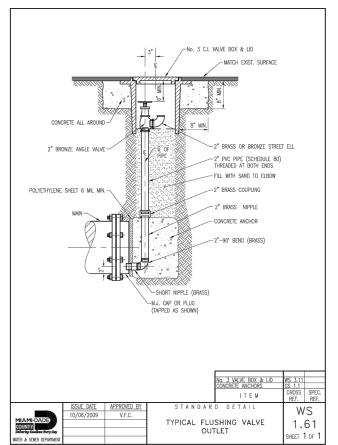


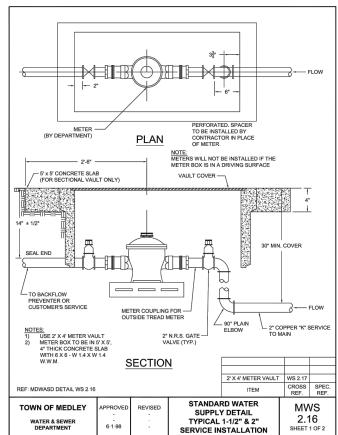


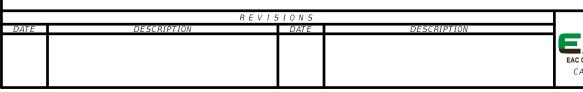












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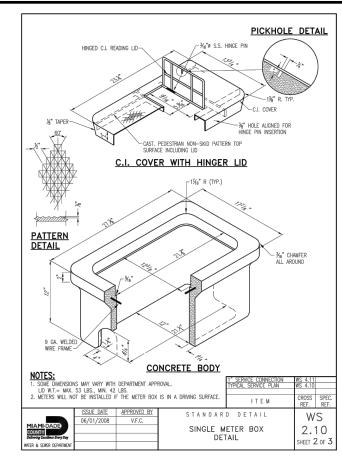
TOWN OF MEDLEY
DEPARTMENT OF ENGINEERING

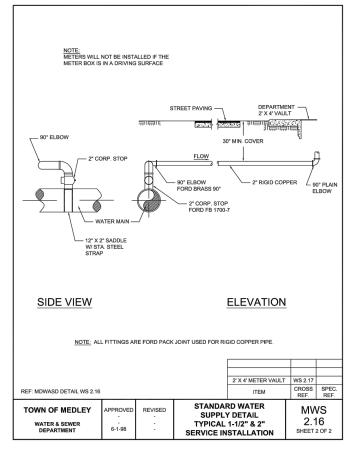
PROJECT STREET COUNTY

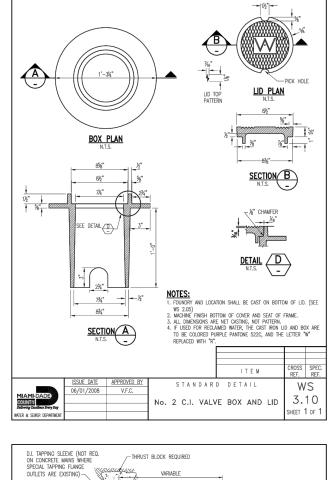
NW S RIVE 121 WM MIAMI-DADE

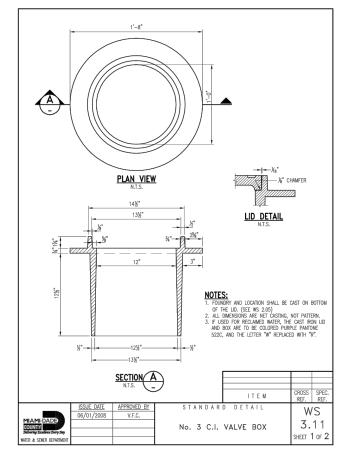
WATERMAIN CONSTRUCTION DETAILS (2 OF 4) SHEET NO.

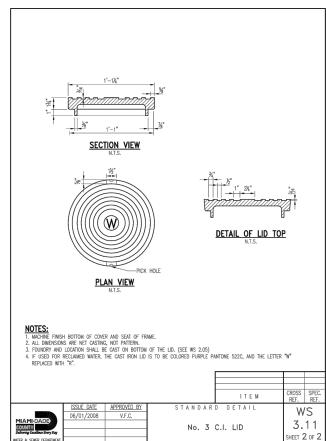
WM - 7.2

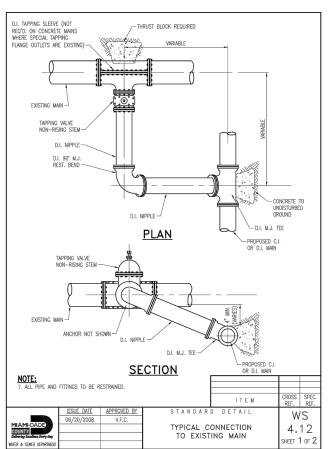


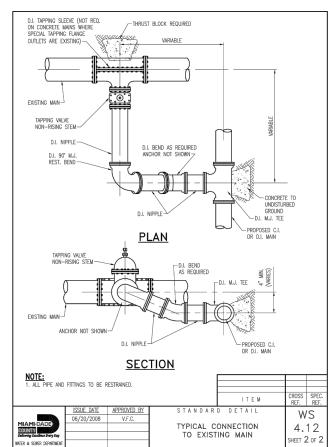


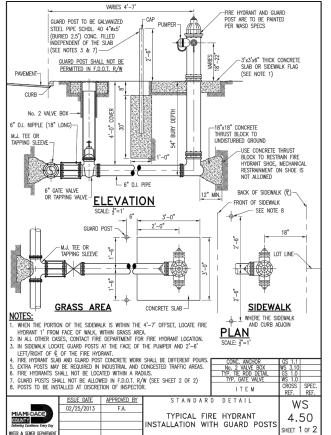


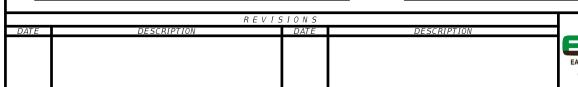












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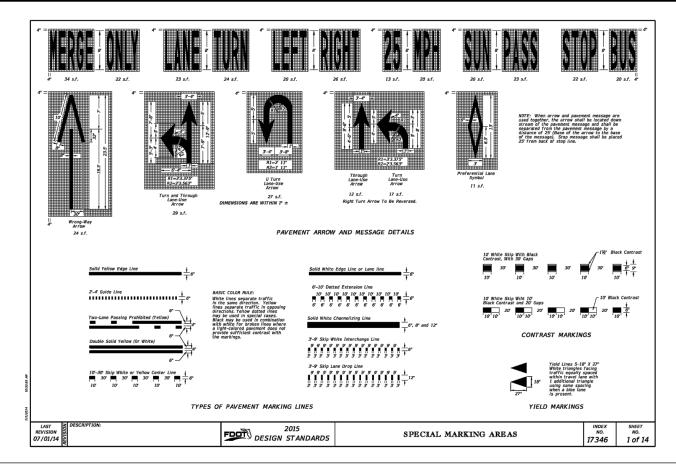
TOWN OF MEDLEY
DEPARTMENT OF ENGINEERING

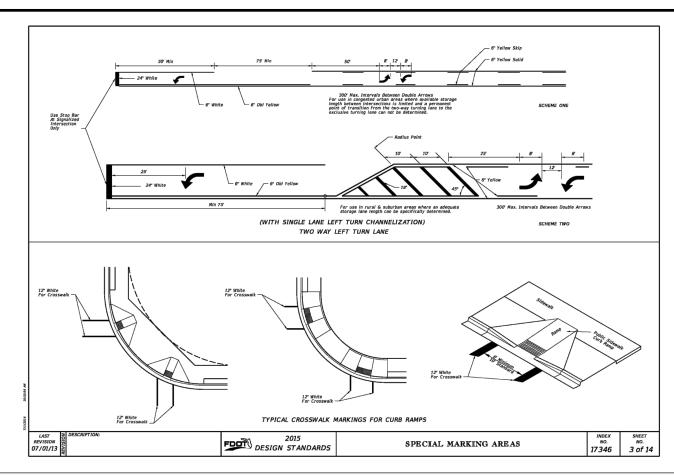
PROJECT STREET COUNTY

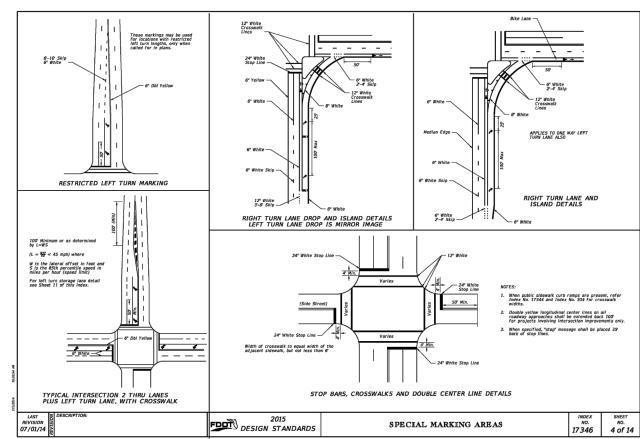
NW S RIVER
DRIVE 12" WMM MIAMI-DADE

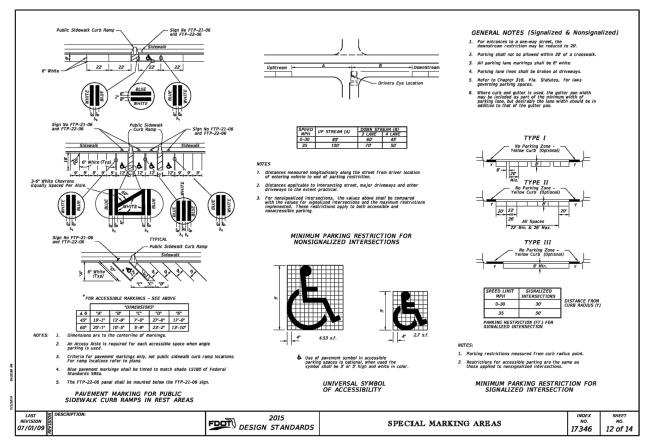
WATERMAIN CONSTRUCTION DETAILS (3 OF 4)

WM - 7.3











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TE 402

TOWN OF MEDLEY
DEPARTMENT OF ENGINEERING

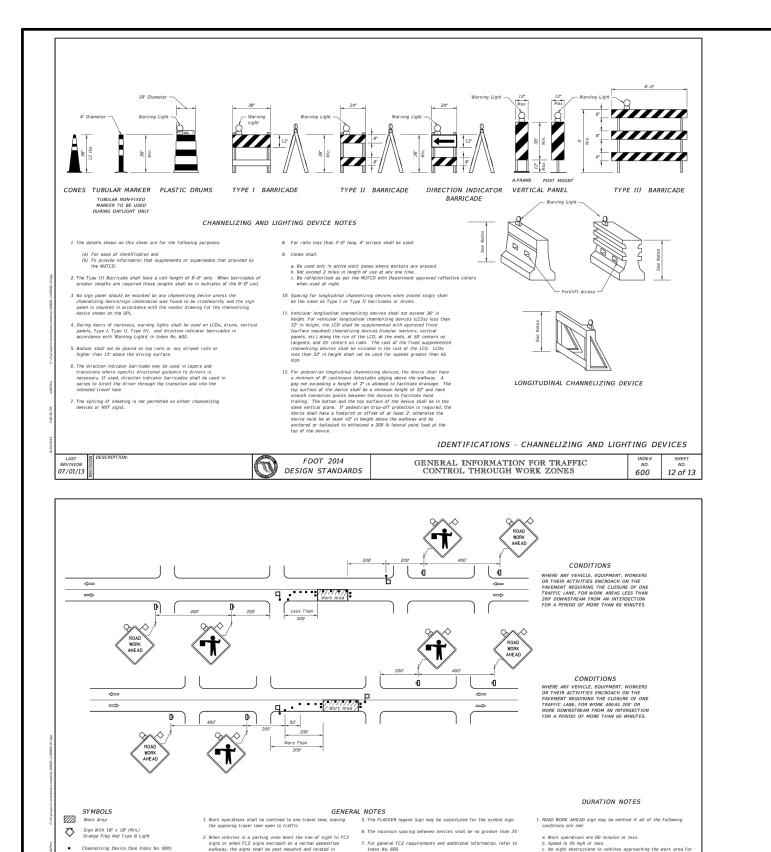
PROJECT STREET COUNTY

NW S RIVER

MIAMI-DADE

WATERMAIN CONSTRUCTION DETAILS (4 OF 4) SHEET NO.

WM-7.4



□ Work Zone Sign

⇒ Lane Identification + Direction of Traffic

If work area is confined to an outside auxiliary lane, the work area shall be barricaded and the FLAGGER signs replaced by ROAD WORK AHEAD signs. Flaggers are not required.

FDOT 2014

FDOT 2014 DESIGN STANDARDS

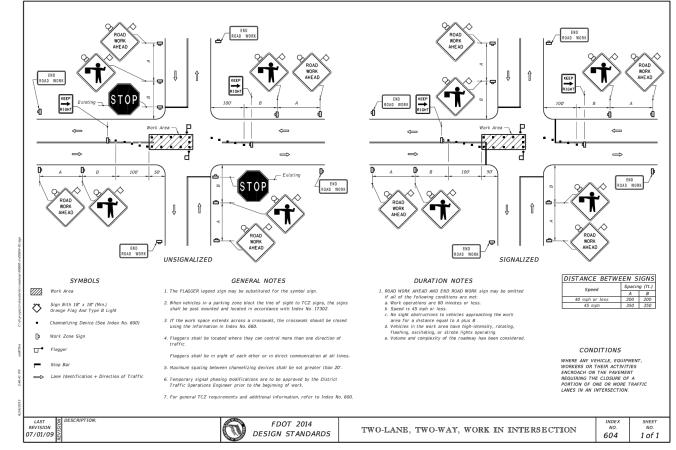
b. Speed is 45 mph or less.
c. No sight obstructions to vehicles approaching the work area for a distance of 600 feet.
d. Vehicles in the work area have high-intensity, rotating, flashing, oscillating, or strobe lights operating.
c. Volume and complexity of the roadway has been considered.

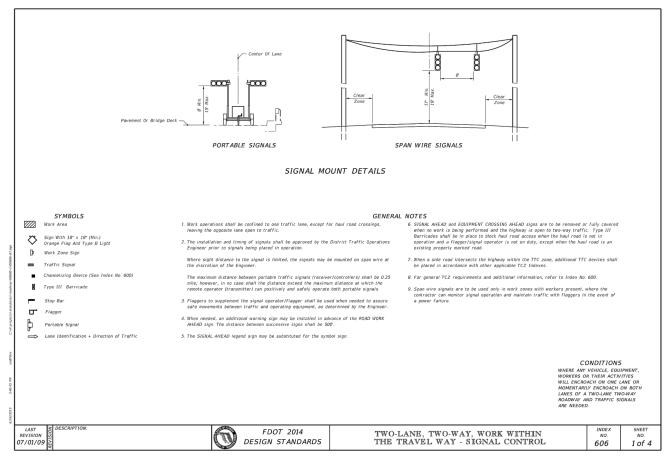
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CA.# 7011 WWW.EACCONSULT.COM

TWO-LANE, TWO-WAY, WORK NEAR INTERSECTION







MAINTENANCE OF TRAFFIC DETAILS

SHEET

MOT-1.0