



Town of Medley
Office of Capital Projects & Development Services

Date:	August 23, 2015
Reference:	NWSRD Eastside Improvements (Segment 72A-74S)
Solicitation Number:	ITB 2015-005
OCPDS Number:	SW-0117 (Roadway) & WS-0111 (Replacement of Asbestos Cement WM)
Opening Date / Time:	Tuesday, August 25, 2015 at 3:00 PM
ADDENDUM Number:	4

To all interested proposers:

The Town of Medley defines a solicitation "Addendum" as an addition to or amendment of the original terms, conditions, specifications, or instructions of a procurement solicitation (e.g. Invitation for Bids, Request for Proposals or Request for Qualifications), including but not limited to questions and answers, which are considered a material part of the solicitation.

Please note the following update:

Addendum 4 does the following:

1. Provides responses by EAC Consulting (Engineer of Records) to Requests for Information submitted by interested bidders, including the following attachments:
 - a) Attachment 1, Updated Bid Table
 - b) Attachment 2, Revised Roadway Plan Sheets
 - c) Attachment 3, Revised Road Cross Section Sheets
 - d) Attachment 4, Revised Bid Form

Except as clarified and amended by this Addendum, the terms, conditions, specifications, and instructions of the Solicitation ITB 2015-005 remain as originally written.

Thank you,

Jorge E. Corzo, PE CFM
Town Engineer / PIO
Office of Capital Projects and Development Services
7777 NW 72nd Avenue, Medley, FL 33166
bidinfo@townofmedley.com

Responses to Pre Bid Requests for Information (RFI)



EAC Consulting, Inc.

NW 57 Avenue, Suite 402

Miami, FL 33126

Phone: 305-264-2557

Fax: 305-264-5507

Response Issue Date: August 18th, 2015

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**ITB NO. 2015-005
NW SOUTH RIVER DRIVE & EASTSIDE STREETS
ROADWAY & DRAINAGE IMPROVEMENTS (FROM NW 72ND AVENUE TO NW 74 STREET)
AND
RIVERSIDE NIP WATER DISTRIBUTION IMPROVEMENTS
NW SOUTH RIVER DRIVE 12-INCH WATERMAIN REPLACEMENT
(FROM NW 72ND AVENUE TO NW 74 STREET)**

1. Does the quantity for Bid Item SW-0003 "Type S-III Asphaltic Concrete" also include the asphalt installation over item WM-0032 8" Limerock?

A: Yes. The work for the roadway and watermain improvements are all within this project. It is expected that if the watermain work is completed first, the contractor shall restore the trench up to 1" of the asphalt layer. Upon completion of the roadway work, the remaining 1" of asphalt shall be paved with the final lift of asphalt over the complete roadway width. Please note the cost of prime coat and tack coat and all related components to accomplish final paving is included in the cost of the asphalt pavement.

2. Do items WM-0032 and WM-0033 pertain to trench restoration required for the watermain works? If so, can an asphalt line item be added as well?

A: Items WM-0032 and WM-0033 relate to trench restoration. Refer to answer to question #1 above for Asphalt line item.

3. Does Item SW-0012 pertain to Bahia or St Augustine SOD?

A: SW-0012 may be of either Centipede, Bahia or Bermuda grass at the Contractor's option and includes 4-inches of top soil as well as daily watering of the installed sod via water-truck until established.

4. Please confirm if Aluminum baffles are required for this project.

A: Refer to baffle detail on sheet C-10.3.

5. There is no specific pay item for Storm water Pollution Prevention & Erosion Control. Which pay item will cover that? Also, will the City require the use of Turbidity barriers at the canal side during the course of the work?

A: Refer to new allowance item GC-0010 for Stormwater Pollution Prevention & Erosion Control. Note that no turbidity barriers are required for the canal. (Attachment 1 – Updated Bid Table)

6. Part 1 Instructions to bidders – (Page 6 of 20 - Under 11.2) states that the bidder is required to have previous similar municipal and/or government recreational or park projects. Is this a typo or a requirement as the project does not deal with parks and/or recreation?

A: Delete "recreational or parks". Bidder is required to have and demonstrate previous similar municipal/government project experience.

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7. Part 1 Instructions to bidders – (Page 10 of 20 - Under 14.2) states 240 days for substantial and 285 days for Final competition. However the last addendum states 365 Days for final completion. Please confirm.

A: Substantial completion is to be at 330 days. Final completion must be achieved after 365 days.

8. If there is a conflict between MDCPW and FDOT Standards, which one takes precedence?

A: Refer to note 8 on sheet G-1.2.

9. Which pay item will cover the removal & disposal of existing curb, catch basins, manholes etc. that are in conflict with proposed work?

A: Removal of existing curbs is included under SW-0001 "removal and disposal of existing asphaltic concrete pavement" and SW-0002 "removal and disposal of exist concrete sidewalk".

10. At the pre-bid meeting it was mentioned that the watermain work will occur prior to the roadway & drainage works. Can you please confirm if this is a mandatory requirement?

A: Per the pre-bid meeting, the watermain work is required to take place prior or concurrently to the roadway work.

11. Does pay item GC-0006 Electrical/Light pole relocation?

A: Yes.

12. Please confirm if night work will be allowed

A: No, night work will not be allowed.

13. Does pay item GC-0006 cover manhole rim and utility box adjustments?

A: Yes.

14. Which pay item will cover "Regular Excavation", "Embankment" and harmonization required for the proposed roadway works? Plan Sheet G-1.1 refers to FDOT & MDC standards, however no specific pay item has been provided.

A: The cost for excavation and embankment for the roadway bed is included on the cost of related roadway layers (subgrade, limerock, asphalt concrete) material and installation costs.

15. Will a Quality Control plan be required for this project?

A: Yes. Contractor shall comply with FDOT Specifications Division 1 – Sections 5 and 6 as well as Division 2 – Section 105.

16. Does pay item SW-0001 "Removal & Disposal of Existing Asphalt Pavement" include the removal of existing Limerock base and the asphalt removal required for Sod installation?

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A: The removal of the asphalt pavement layers covers the removal and disposal of the existing pavement layers to facilitate and comply with the proposed construction intent.

17. What is the thickness of the existing road base?

A: All existing geotechnical information has been made available within the bid documents.

18. Construction Note 2 and 3 contradicts the presence of the allowance items, please advise

A: Disagree. Note # 2 refers to any items that may be damaged or otherwise impacted as a result of the means and methods used for construction. These items will need to be replaced, in kind at the contractor's/bidder's expense. Note #3 refers to any items no specified for removal which are nonetheless damaged as a result of construction and which is required to be replaced, in kind, at contractor's/bidder's own expense. The allowances refer to items that need to be replaced, relocated and are called out in the plans.

19. Construction Note 7 contradicts with Allowance item GC-0005. Please advise

A: Refer to revised construction note 7 below.

THE LOCATION & SIZE OF ALL EXISITNG UTILITIES SHOW ON THESE DRAWINGS ARE APPROXIMATE. ADDITIONAL UTILITES MAY EXIST WHICH ARE NOT SHOWN ON THESE DRAWING. THE CONTRACTOR SHALL VERIFY ALL UTILITES BY ELECTRONIC METHOS AND/OR BY HAND EXCAVATION IN COORDINATION WITH ALL UTILITY COMPANIES PRIOR TO BEGINNING ANY CONSTRUCTION OPERATION. ALL CONFLICTS OF EXISTING UTILITES AND PROPOSED IMPROVEMENTS SHALL BE RESOLVED BY THE ENGINEER & UTLITY OWNER. THIS WORK BY THE CONTRACTOR SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND COMPENSATION SHALL BE PRE-APPROVED BY THE TOWN FROM THE ALLOWANCE ACCOUNT DESIGNATED FOR THIS PURPOSE.

20. Construction Note 52 states that contractor will be responsible for removing and replacing unsuitable material. Can an allowance item for handling unsuitable material be incorporated in the pay item?

A: As specified during Pre-Bid Meeting, please refer to geotechnical report.

21. Bid item SW-0007 states 1" Sand bed while Plan Sheet C-2.1 calls for 2" sand bed. Please clarify

A: Corrected Bid item SW-0007 refers to 2-inch sand band in accordance with sheet C-2.1.

22. Does pay item SW-0004 include the curb pad for the F curb and the Type D Curb between stations 1031+40 to 1032+60?

A: Yes

23. Plan view on sheet C-4.1 shows 18" HDPE Solid Pipe between S-01 & S-02 while profile view shows 17" x 13" Elliptical Corrugated Pipe between S-01 & S-02. Please clarify

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A: Refer to revised sheet C-4.1. A 17"x13" elliptical corrugated pipe shall be used between S-01 and S-02. Refer to revised roadway sheets (Attachment 2 – Revised Roadway Plan sheets) (also provided within Town of Medley's "Open Bids" Web page).

24. Plan view on Sheet C-4.1 Shows 18" HDPE FD but is stated as 18" HDPE SD. Please clarify.

A: Refer to revised sheet C-4.1. French drain shall be installed where indicated in profile view. Refer to revised roadway sheets (Attachment 2 – Revised Roadway Plan sheets) (also provided within Town of Medley's "Open Bids" Web page).

25. What are the limits for televising the existing AC Pipe for connection of proposed Watermain pipe to existing AC Watermain pipe?

A: The contractor shall televise the existing watermain pipe 100 feet upstream and 100 feet downstream of location of work impact.

26. On the pavement cross sections (sheets C-7.1 onwards), the depth of the limerock base indicated as 8" in the typical sections measures as 6" in the cross sections when utilizing a scale of 1"-1' Vertical & 1"-10" Horizontal.

A: Please see revised road cross section sheets (Attachment 3 – Revised Road Cross Section sheets) (also provided within Town of Medley's "Open Bids" Web page).

27. Our surety company is asking for us for the page to sign the Bid Bond. There are only two pages, page 33 and 34, and there is no place for the Surety to sign.

A: Please see revised Bid Form (Attachment 4)

28. Plan sheet C-10.3 shows the trench bottom is 15' below existing ground elevation. The roadway plans and profile plans shows the bottom of the trench at elevation -11. If the top of ground elevation is 8', then the total depth of the trench will be 19'. Please advise.

A: The top and bottom of trench shall be maintained elevation at elevation 4.00 feet NGVD and -8.00 feet NGVD respectively. Refer to revised roadway sheets (Attachment 2 – Revised Roadway Plan sheets) (also provided within Town of Medley's "Open Bids" Web page). Please note that depth of exfiltration trenches will be as specified on the revised roadway sheets.

29. Question: I believe it is important to inform the City and the EOR per bid requirement that the pay items for drainage structures and the summary of drainage Structures (plans sheet C3.1 & C3.2), do not match. Can you please review and revise.

A: Please see revised Bid Tabulation (Attachment 1)

c.c.: *Jorge Corzo (Town Engineer), Project File*

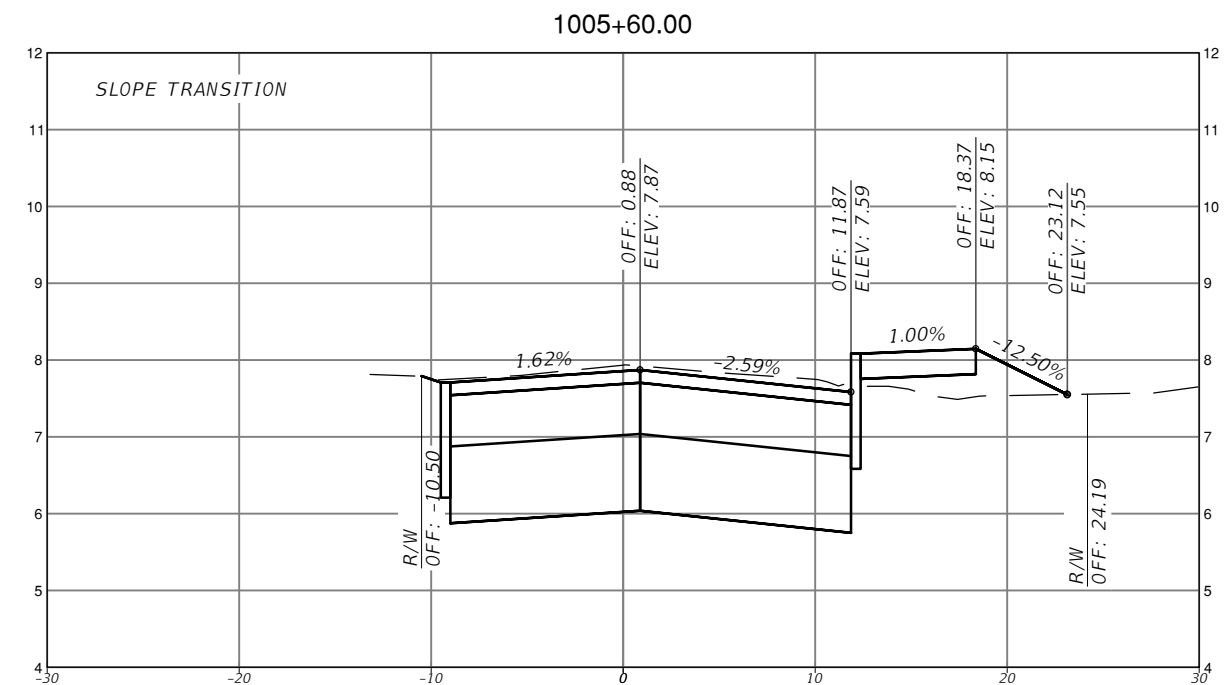
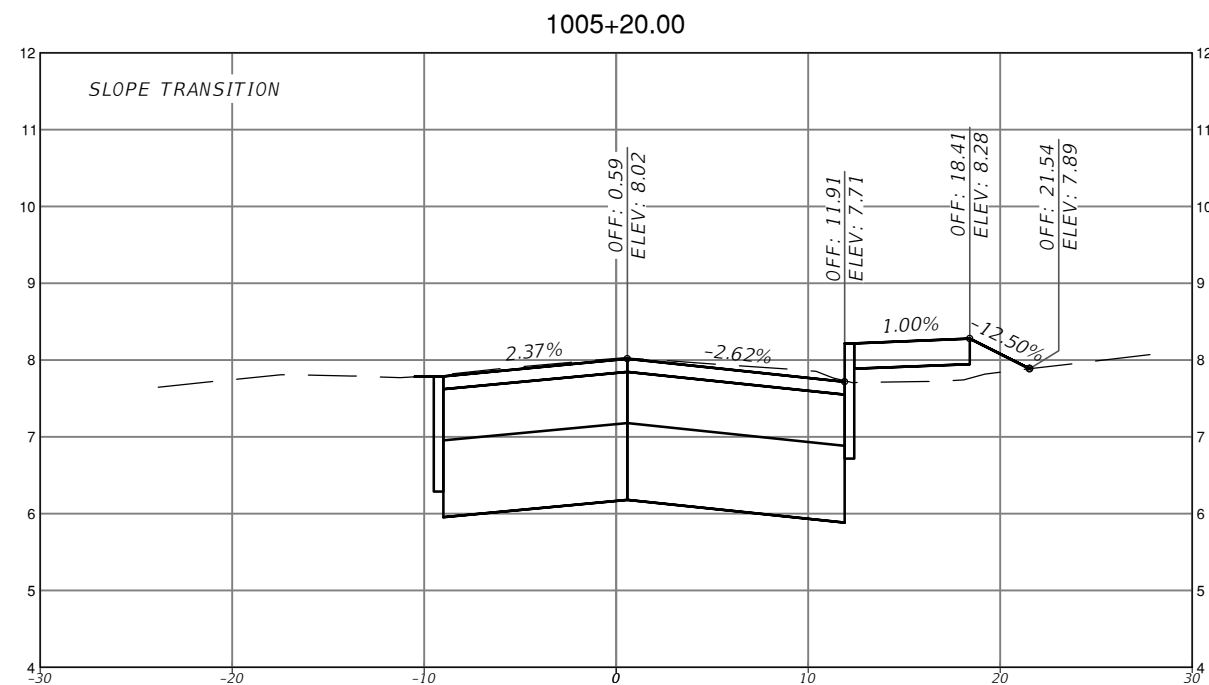
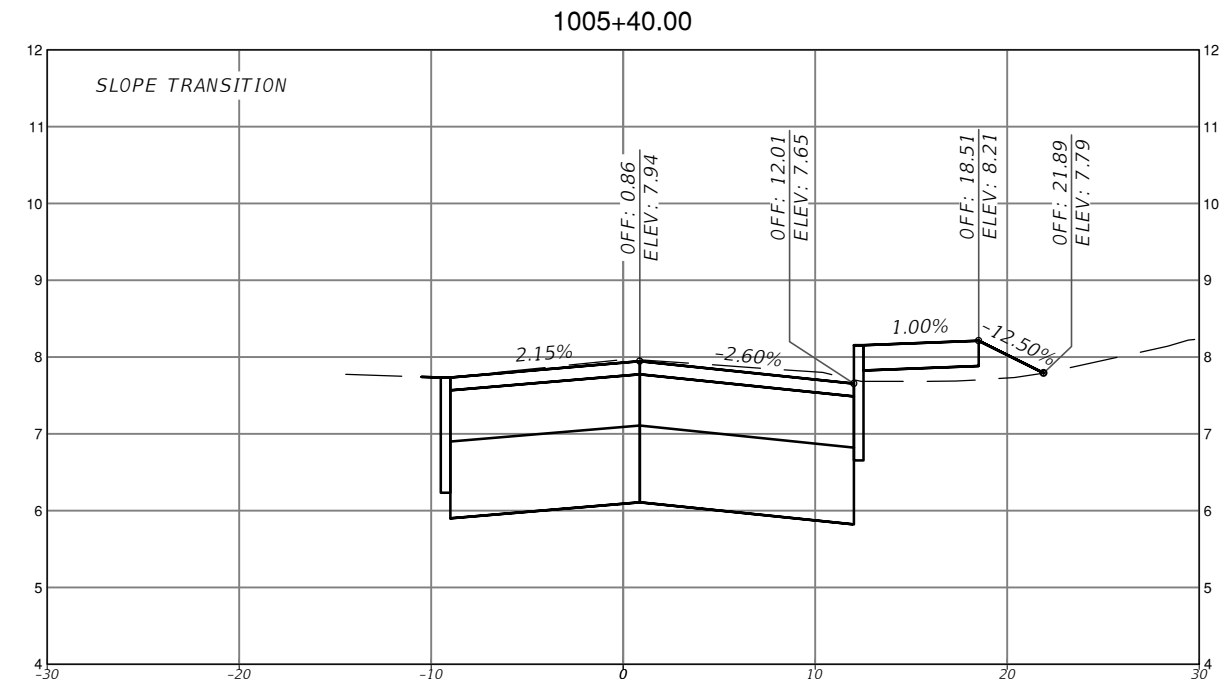
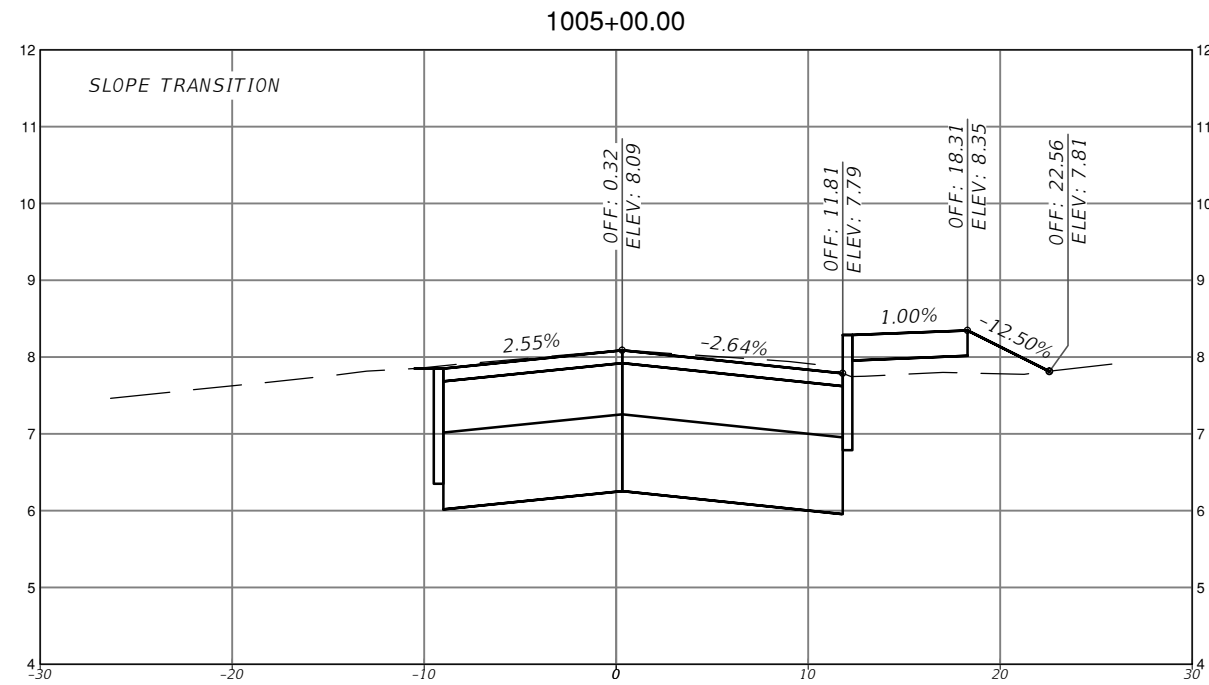
**NW SOUTH RIVER DRIVE & EASTSIDE STREETS
ROADWAY & DRAINAGE IMPROVEMENTS
AND
RIVERSIDE NIP WATER DISTRIBUTION IMPROVEMENTS
NW SOUTH RIVER DRIVE 12-INCH WATERMAIN REPLACEMENT
(FROM NW 72ND AVENUE TO NW 74TH STREET)
Town of Medley ITB No 2015-005**

ITEM NO	PAY ITEM	DESCRIPTION	UNIT	UNIT COSTS	QUANTITY	ITEM COST
1	GC-0001	GENERAL REQUIREMENTS & CONDITIONS (INSURANCE, PERMIT FEES, BONDS, TEMP. FACILITIES, PERFORMANCE GUARANTEE, ETC)	LS		1	
2	GC-0002	MOBILIZATION / DEMOBILIZATION	LS		1	
3	GC-0003	MAINTENANCE OF TRAFFIC	LS		1	
4	GC-0004	ALLOWANCE FOR DEWATERING	AL	\$30,000.00	1	\$30,000.00
5	GC-0005	ALLOWANCE FOR SUBSURFACE UTILITY ENGINEERING	AL	\$30,000.00	1	\$30,000.00
6	GC-0006	ALLOWANCE FOR MISCELLANEOUS UTILITIES ADJUSTMENT AND COORDINATION	AL	\$20,000.00	1	\$20,000.00
7	GC-0007	ALLOWANCE FOR PERMITS, TESTING, LICENSES, ETC	AL	\$20,000.00	1	\$20,000.00
8	GC-0008	ALLOWANCE FOR TRAFFIC SIGNALIZATION ADJUSTMENTS (INCLUDES ALL REPAIRS TO SIGNALIZATION TO EXISTING CONDITIONS)	AL	\$5,000.00	1	\$5,000.00
9	GC-0009	ALLOWANCE FOR ASBESTOS MATERIAL HANDLING, DISPOSAL, MANAGEMENT, AND OVERSIGHT.	AL	\$150,000.00	1	\$150,000.00
9a	GC-0010	STORMWATER POLLUTION PREVENTION & EROSION CONTROL.	AL	\$15,000.00	1	\$15,000.00
10	SW-0001	REMOVAL AND DISPOSAL OF EXIST ASPHALTIC CONCRETE PAVEMENT	SY		9400	
11	SW-0002	REMOVAL AND DISPOSAL OF EXIST CONCRETE SIDEWALK	SY		2200	
12	SW-0003	FURNISH AND INSTALL 2" OF TYPE S-III ASPHALTIC CONCRETE	TON		700	
13	SW-0004	FURNISH AND INSTALL 8" OF LIMEROCK BASE (COMPACTED TO 98% OF MAX DENSITY PER AASHTO T-180)	SY		7600	
14	SW-0005	FURNISH AND INSTALL 12" OF STABILIZED SUBGRADE (COMPACTED TO 95% OF MAX DENSITY PER AASHTO T-180)	SY		11000	
15	SW-0006	FURNISH AND INSTALL HERRINGBONE CONCRETE BRICK PAVERS	SY		2065	
16	SW-0007	FURNISH AND INSTALL 2" SAND BEND	SY		4200	
17	SW-0008	FURNISH AND INSTALL 4" THICK CONCRETE SIDEWALK, 6" THICK AT DRIVEWAYS	SY		2200	
18	SW-0009	FURNISH AND INSTALL TYPE D CURB	LF		4400	
19	SW-0010	FURNISH AND INSTALL TYPE F CURB	LF		500	
20	SW-0011	MILL 1" OF EXIST. ASPHALTIC CONCRETE PAVEMENT	SY		2600	
21	SW-0012	FURNISH AND INSTALL SODDING (INCLUDES TOP SOIL, WATERING)	SY		1200	
22	SW-0013	FURNISH AND INSTALL 6" CONCRETE RIBBON CURB	LF		3100	
23	SW-0014	FURNISH AND INSTALL 12" CONCRETE BORDER	LF		600	
24	SW-0015	FURNISH AND INSTALL INLET, DITCH BOTTOM, TYPE F, <10'	EA		5	
25	SW-0016	FURNISH AND INSTALL INLET, CURB INLET, TYPE 5, >10'	EA		2	
26	SW-0017	FURNISH AND INSTALL INLET, CURB INLET, TYPE 8, (MODIFIED) (SHALLOW)	EA		1	
27	SW-0018	FURNISH AND INSTALL INLET, CURB INLET, TYPE 8, (MODIFIED), <10'	EA		9	
28	SW-0019	FURNISH AND INSTALL INLET, CURB INLET, TYPE 8, (MODIFIED), >10'	EA		6	
29	SW-0020	FURNISH AND INSTALL DRAINAGE MANHOLE (TRAFFIC RATED), <10', (48" DIA)	EA		11	
30	SW-0021	FURNISH AND INSTALL 6" DIA. SOLID PIPE (INCLUDES TRENCH RESTORATION WITHIN PRIVATE PROPERTY TO MATCH EXIST.)	LF		195	
31	SW-0022	FURNISH AND INSTALL 13"x17" SOLID PIPE (ARCHED) (CMP)	LF		235	
32	SW-0023	FURNISH AND INSTALL 18" DIA. SOLID PIPE (HDPE)	LF		1430	
33	SW-0024	FURNISH AND INSTALL FURNISH AND INSTALL FRENCH DRAIN (18" DIA. (HDPE) PERFORATED PIPE, 3.5' WIDTH, 15' DEEP)	LF		1360	
34	SW-0025	FURNISH AND INSTALL FDOT TRENCH DRAIN (TYPE II) (14" W x 20" H x 12' L)	EA		13	
35	SW-0026	FURNISH AND INSTALL POLLUTION RETARDANT BAFFLES	EA		24	
36	SW-0027	FURNISH AND INSTALL DETECTABLE SURFACE	SF		300	
37	SW-0028	FURNISH AND INSTALL ELECTRONIC DISPLAY SIGN, FURNISH & INSTALL GROUND MOUNT - SOLAR POWERED & ELECTRONIC WARNING SIGN (PER FDOT STDS.)	AS		2	
38	SW-0029	FURNISH & INSTALL SIGNAGE AND PAVEMENT MARKING (PER PLANS AND FDOT STDS) (THERMO)	LS		1	
39	E-0001	FURNISH AND INSTALL LIGHT POLE COMPLETE, INCLUDING FOUNDATION, GROUNDING, POLE CABLE DISTRIBUTION ASSEMBLY, LUMINAIRE & ALL INSTALLATION COMPONENTS & APPURTENANCES	AS		45	
40	E-0002	FURNISH AND INSTALL LIGHTING CONDUCTOR (PER PLANS AND FDOT STDS.)	LF		11580	
41	E-0003	FURNISH AND INSTALL LIGHTING CONDUIT, UNDERGROUND (PER PLANS AND FDOT STDS.)	LF		2895	
42	E-0004	FURNISH AND INSTALL POWER SERVICE, INCL ALL COORDINATION WITH FP&L (PER PLANS AND FDOT STDS.)	LS		1	
43	E-0005	FURNISH AND INSTALL LOAD CENTER (SECONDARY), INCL ALL COORDINATION WITH FP&L (PER PLANS AND FDOT STDS.)	LS		1	
44	E-0006	FURNISH AND INSTALL PULLBOX (SIDEWALK/ROADSIDE) (PER FDOT AND NEC REQUIREMENTS)	AS		47	
45	LA-0001	REMOVE & DISPOSE EXIST. MEDIUM PALMS	EA		2	
46	LA-0002	REMOVE & DISPOSE EXIST. MEDIUM TREES	EA		2	
47	LA-0003	TRANSPLANT EXIST. MEDIUM PALMS	EA		1	
48	LA-0004	TRANSPLANT EXIST. LARGE TREES	EA		1	
49	LA-0005	MISCELLANEOUS LANDSCAPE CLEARING & GRUBBING	AS		1	
50	LA-0006	FURNISH AND INSTALL COCCOLOBA DIVERSIFOLIA (PIGEON PLUM) (INCL. ALL INSTALLATION COMPONENTS AND ITEMS)	EA		22	
51	LA-0007	FURNISH AND INSTALL FICUS MICROCARPA (GREEN ISLAND FICUS) (INCL. ALL INSTALLATION COMPONENTS AND ITEMS)	EA		298	
52	LA-0008	FURNISH AND INSTALL LYSILOMA LATISILQUA (WILD TAMARIND) (INCL. ALL INSTALLATION COMPONENTS AND ITEMS)	EA		13	
53	LA-0009	FURNISH AND INSTALL MUHLENBERGHIA CAPILLARIS (MUHLY GRASS) (INCL. ALL INSTALLATION COMPONENTS AND ITEMS)	EA		219	
54	LA-0010	FURNISH AND INSTALL NEPHROLEPIS EXALTATA (BOSTON FERN) (INCL. ALL INSTALLATION COMPONENTS AND ITEMS)	EA		240	
55	LA-0011	FURNISH AND INSTALL PODOCARPUS MACROPHYLLUS (PODOCARPUS) (INCL. ALL INSTALLATION COMPONENTS AND ITEMS)	EA		35	

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56	LA-0012	FURNISH AND INSTALL RHAPIS EXCELSA (LADY PALM) (INCL. ALL INSTALLATION COMPONENTS AND ITEMS)	EA		2	
57	LA-0013	FURNISH AND INSTALL VEITCHIA MONTGOMERYANA (MONTGOMERY PALM) (INCL. ALL INSTALLATION COMPONENTS AND ITEMS)	EA		5	
58	LA-0014	FURNISH AND INSTALL 6-INCH SOIL IN LANDSCAPED AREAS (INCL. ALL INSTALLATION COMPONENTS AND ITEMS)	CY		40	
59	LA-0015	FURNISH AND INSTALL MULCH (2" IN ALL SHRUB AREAS AND 5' DIAMETER RING AROUND TREES) (INCL. ALL INSTALLATION COMPONENTS AND ITEMS)	CY		20	
60	LA-0016	FURNISH AND INSTALL DECORATIVE STREETSCAPE BENCHES (INCL. ALL INSTALLATION COMPONENTS AND ITEMS)	EA		6	
61	LA-0017	FURNISH AND INSTALL TRASH RECEPTACLES (INCL. ALL INSTALLATION COMPONENTS AND ITEMS)	EA		6	
62	LA-0018	FURNISH AND INSTALL MISCELLANEOUS CONCRETE FOR LANDSCAPED AREAS (INCL. ALL INSTALLATION COMPONENTS AND ITEMS)	LS		1	
63	WM-0001	FURNISH AND INSTALL 6" DUCTILE IRON PIPE (D.I.P) INCLUDES ALL INSTALLATION COMPONENTS.	LF		300	
64	WM-0002	FURNISH AND INSTALL 8" DUCTILE IRON PIPE (D.I.P) INCLUDES ALL INSTALLATION COMPONENTS.	LF		200	
65	WM-0003	FURNISH AND INSTALL 12" DUCTILE IRON PIPE (D.I.P) INCLUDES ALL INSTALLATION COMPONENTS	LF		4100	
66	WM-0004	FURNISH AND INSTALL 12"x12" MJ WET TAP. INCLUDES ALL INSTALLATION COMPONENTS INCLUDING COUPLINGS, SLEEVES AND VALVES.	EA		2	
67	WM-0005	6" CUT IN CONNECTION. INCLUDES INCLUDES ALL INSTALLATION COMPONENTS INCLUDING SOLID SLEEVE ADAPTER AND RESTRAINTS	EA		1	
68	WM-0006	8" CUT IN CONNECTION. INCLUDES INCLUDES ALL INSTALLATION COMPONENTS INCLUDING SOLID SLEEVE ADAPTER AND RESTRAINTS	EA		4	
69	WM-0007	12" CUT IN CONNECTION. INCLUDES INCLUDES ALL INSTALLATION COMPONENTS INCLUDING SOLID SLEEVE ADAPTER AND RESTRAINTS	EA		2	
70	WM-0008	FURNISH AND INSTALL 12"x12" DIP TEES INCLUDES ALL INSTALLATION COMPONENTS.	EA		5	
71	WM-0009	FURNISH AND INSTALL 12"x8" DIP TEES INCLUDES ALL INSTALLATION COMPONENTS.	EA		2	
72	WM-0010	FURNISH AND INSTALL 12"x6" DIP TEES INCLUDES ALL INSTALLATION COMPONENTS.	EA		9	
73	WM-0011	FURNISH AND INSTALL 8"x8" DIP TEES INCLUDES ALL INSTALLATION COMPONENTS.	EA		4	
74	WM-0012	FURNISH AND INSTALL 8"x6" DIP TEES INCLUDES ALL INSTALLATION COMPONENTS.	EA		4	
74	WM-0012	FURNISH AND INSTALL 6" DUCTILE IRON ELBOW (REST). INCLUDES ALL INSTALLATION COMPONENTS.	EA		16	
75	WM-0013	FURNISH AND INSTALL 8" DUCTILE IRON ELBOW (REST). INCLUDES ALL INSTALLATION COMPONENTS.	EA		16	
76	WM-0014	FURNISH AND INSTALL 12" DUCTILE IRON ELBOW (REST). INCLUDES ALL INSTALLATION COMPONENTS.	EA		38	
77	WM-0015	FURNISH AND INSTALL 6" GATE VALVE. INCLUDES ALL INSTALLATION COMPONENTS.	EA		10	
78	WM-0016	FURNISH AND INSTALL 8" GATE VALVE. INCLUDES ALL INSTALLATION COMPONENTS.	EA		5	
79	WM-0017	FURNISH AND INSTALL 12" GATE VALVE. INCLUDES ALL INSTALLATION COMPONENTS.	EA		16	
80	WM-0018	FURNISH AND INSTALL 2" FLUSHING VALVE OUTLET (FVO)	EA		3	
81	WM-0019	FURNISH AND INSTALL 12" RESTRAINED CAP. INCLUDES ALL INSTALLATION COMPONENTS.	EA		4	
82	WM-0020	4"x2" REDUCER	EA		1	
83	WM-0021	8"x4" REDUCER	EA		1	
84	WM-0022	8"x6" REDUCER	EA		1	
85	WM-0023	12"x8" REDUCER	EA		1	
86	WM-0024	FURNISH AND INSTALL AUTOMATIC AIR RELEASE VALVE. INCLUDES ALL INSTALLATION COMPONENTS INCLUDING STRUCTURE, SADDLE, VALVES AND FITTINGS.	EA		13	
87	WM-0025	FURNISH AND INSTALL FIRE HYDRANT ASSEMBLY. INCLUDES ALL INSTALLATION COMPONENTS.	AS		10	
88	WM-0026	REMOVE AND SALVAGE FIRE HYDRANT ASSEMBLY. INCLUDES ALL INSTALLATION COMPONENTS.	AS		1	
89	WM-0027	FURNISH AND INSTALL 2" CORP STOP, METER BOX AND NEW METER ASSEMBLY. INCLUDE ALL INSTALLATION COMPONENTS	EA		52	
90	WM-0028	FURNISH AND INSTALL SAN. CLEANOUT	EA		52	
91	WM-0029	ABANDON VIA GROUT FILL EXISTING WATER MAIN IN PLACE	LS		1	
92	WM-0030	FURNISH AND INSTALL SAMPLING POINT. INCLUDE ALL INSTALLATION COMPONENTS.	EA		12	
93	WM-0031	REMOVE EXISTING WATER SERVICE. INCLUDES CAPPING AND REMOVAL TO THE CORP STOP	EA		52	
94	WM-0032	FURNISH AND PLACE 8" LIMEROCK BASE MATERIAL	SY		2100	
95	WM-0033	COMPACTION/ STABILIZATION OF 12" SUBGRADE	SY		2800	
96	WM-0034	REINFORCE CONC SLAB 8" THICK (INCLUDES ALL REINFORCEMENT AND FORMWORK)	SY		200	
97					SUBTOTAL ITEMS No. 1 THROUGH No. 9a (ON BID TABLE ATTACHMENT 1)	
98					SUBTOTAL ITEMS No. 10 THROUGH No. 62 (ON BID TABLE ATTACHMENT 1)	
99					SUBTOTAL ITEMS No. 63 THROUGH No. 96 (ON BID TABLE ATTACHMENT 1)	
100					TOTAL ITEMS (ITEM Nos. 97+98+99)	
101					10% CONTIGENCY (10% OF ITEM No. 100 (ABOVE))	
102					GRAND TOTAL OF BID (ITEM No. 100 + ITEM No. 101)	

NW South River Drive and East Side Streets
Roadway Drainage Improvements
and Riverside NIP 12-inch Replacement / Water Distribution Improvements
(From NW 72 Avenue to NW 74 Street)



SCALE
1" = 10' HORIZONTAL
1" = 1' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



MICHAEL ADEIFE, P.E.
P.E. LICENSE NO. 56094
EAC CONSULTING, INC.
815 NW 57TH AVE, SUITE 402
MIAMI, FL 33126
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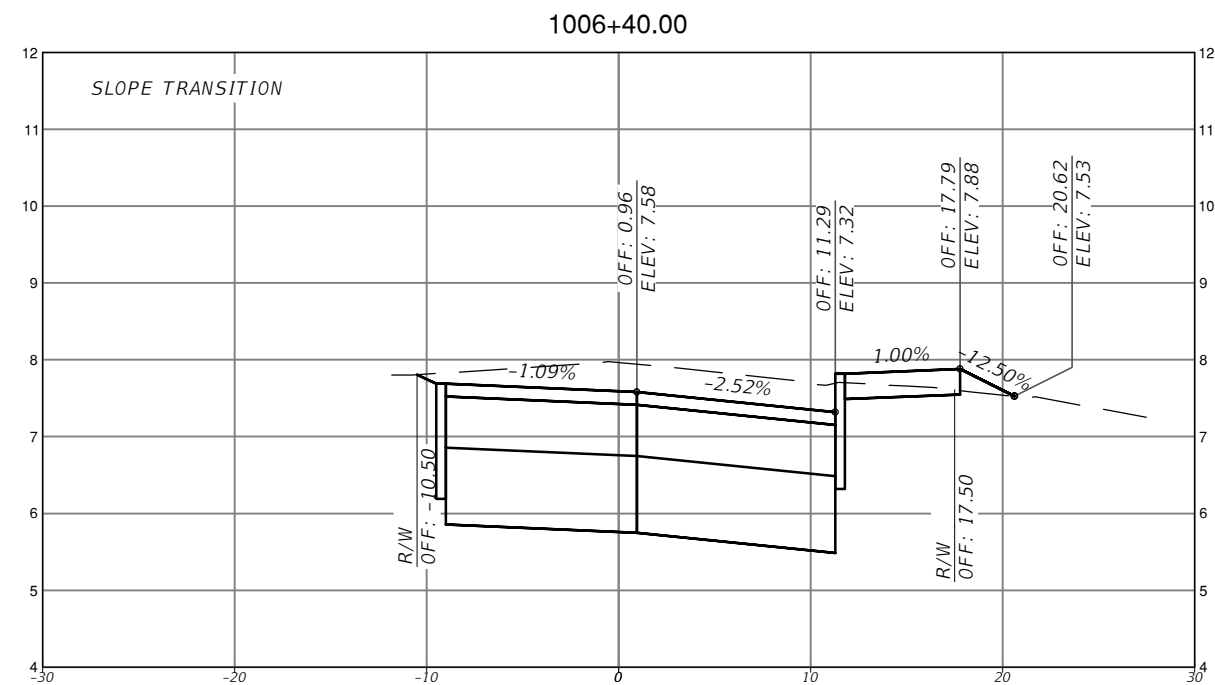
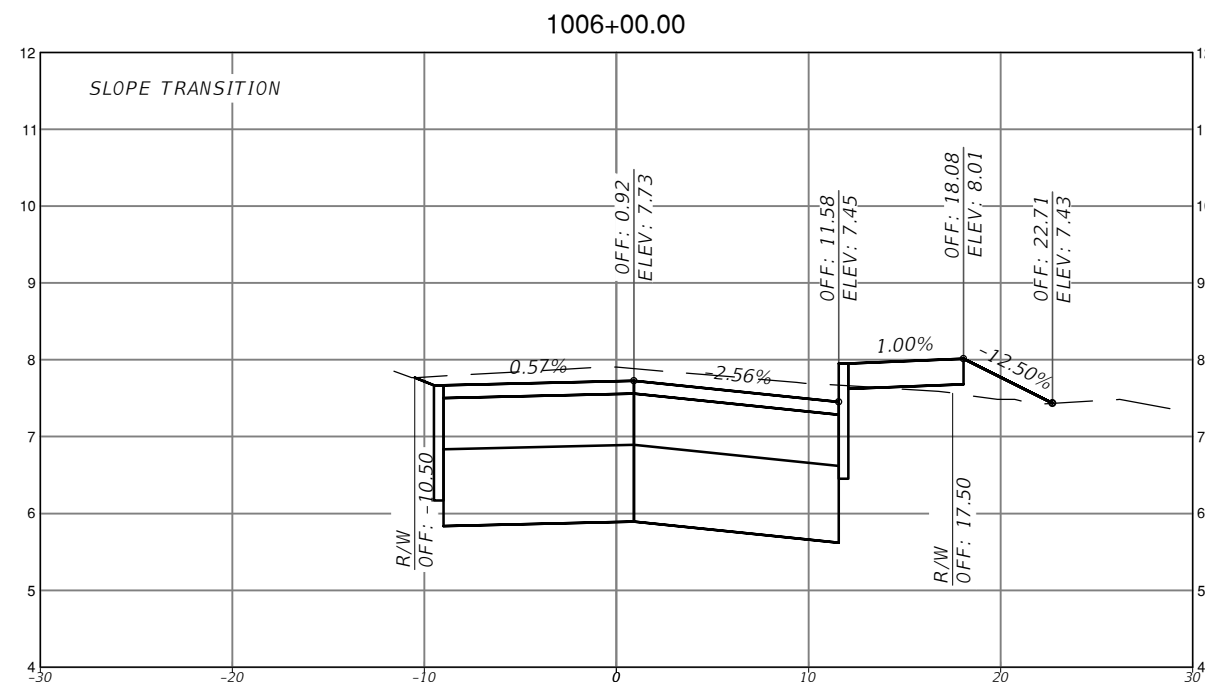
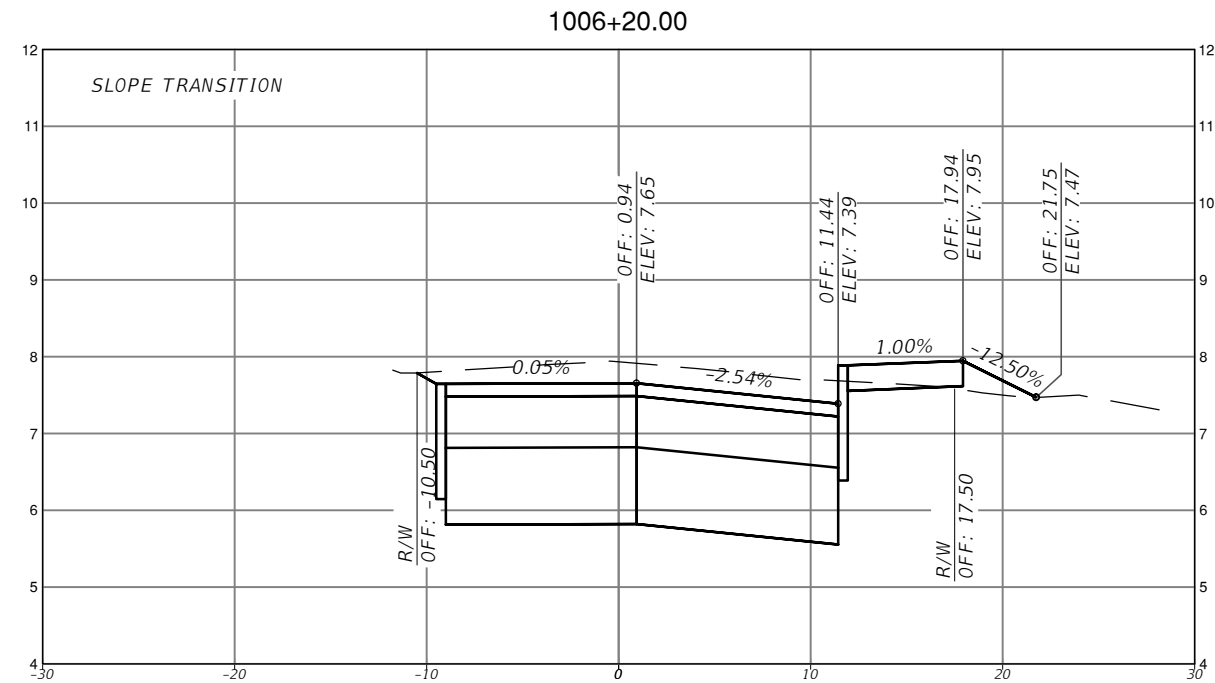
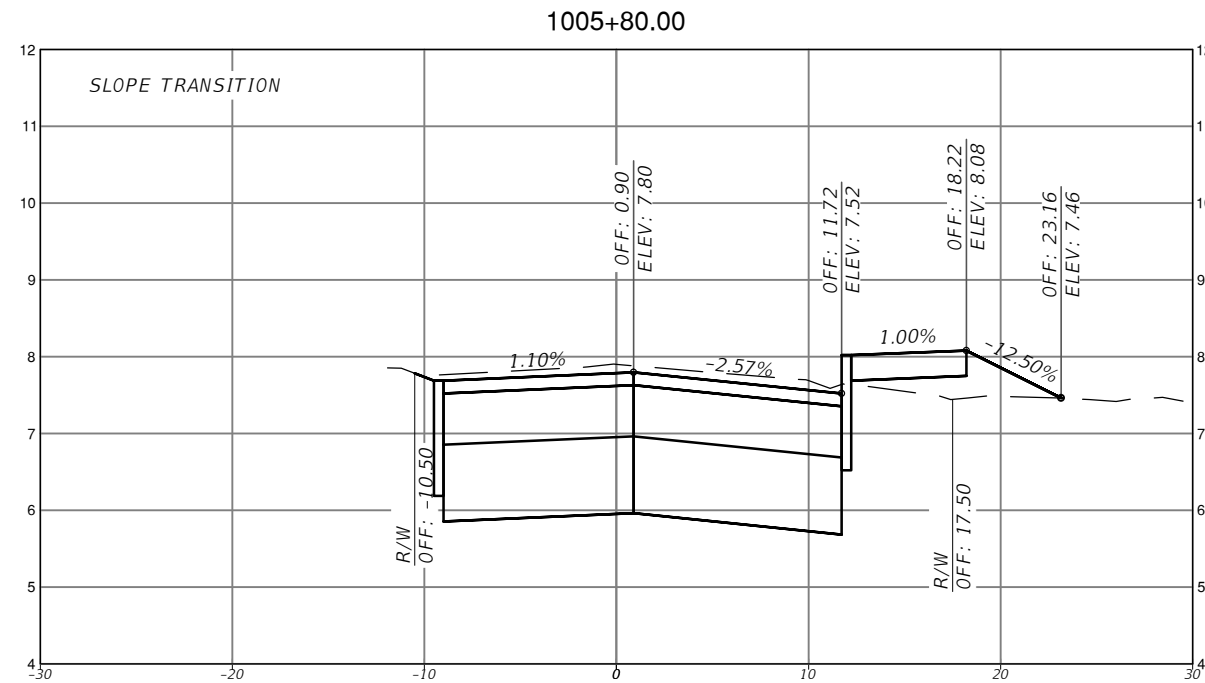


TOWN OF MEDLEY
DEPARTMENT OF ENGINEERING

PROJECT STREET	COUNTY
NW S RIVER DRIVE	MIAMI-DADE

ROADWAY PAVEMENT
CROSS SECTIONS
(1 OF 30)

SHEET NO.
C-7.1



SCALE
 1" = 10' HORIZONTAL
 1" = 1' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



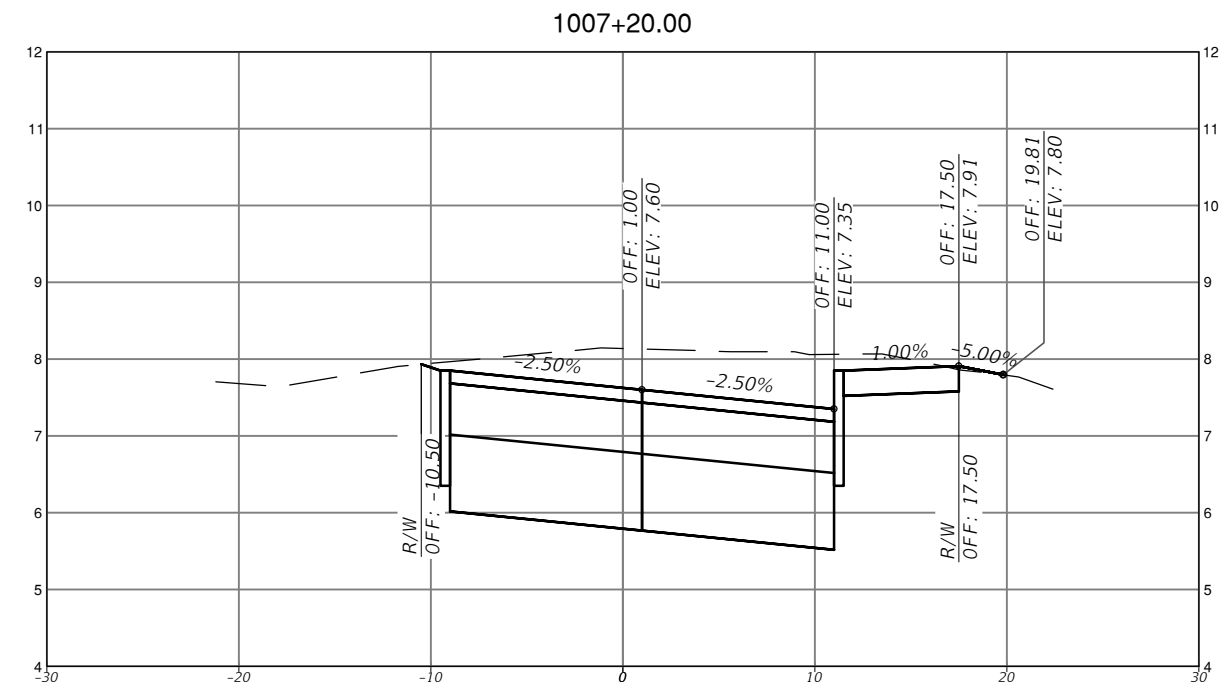
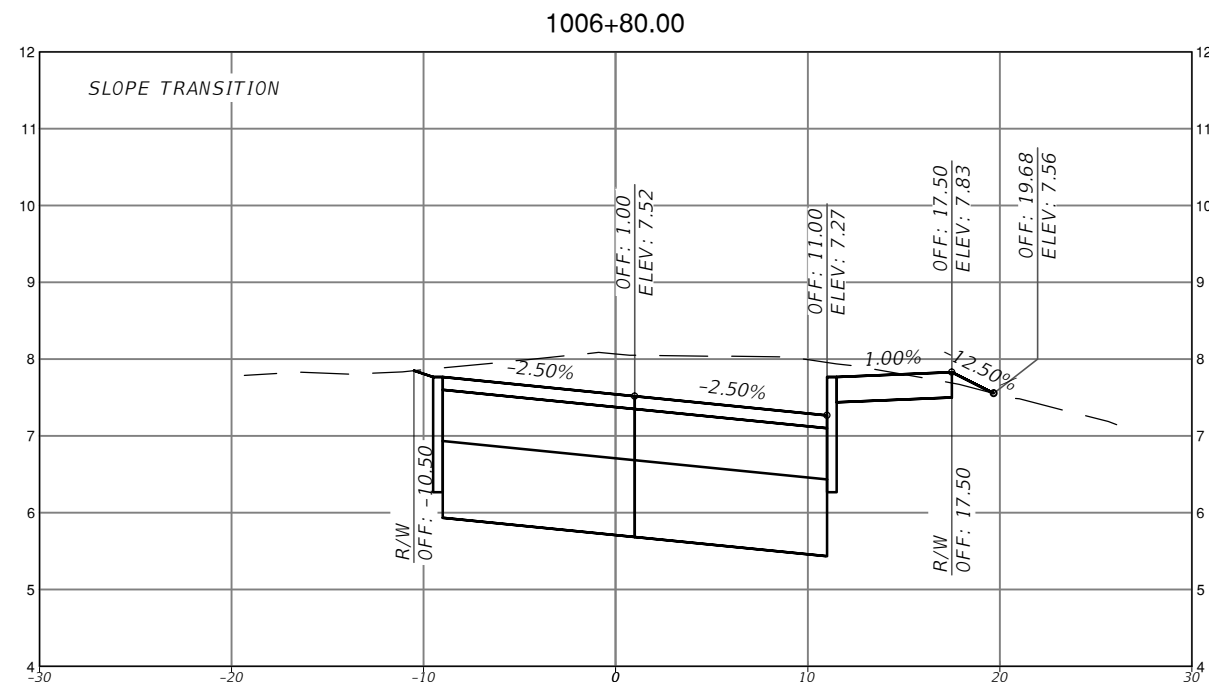
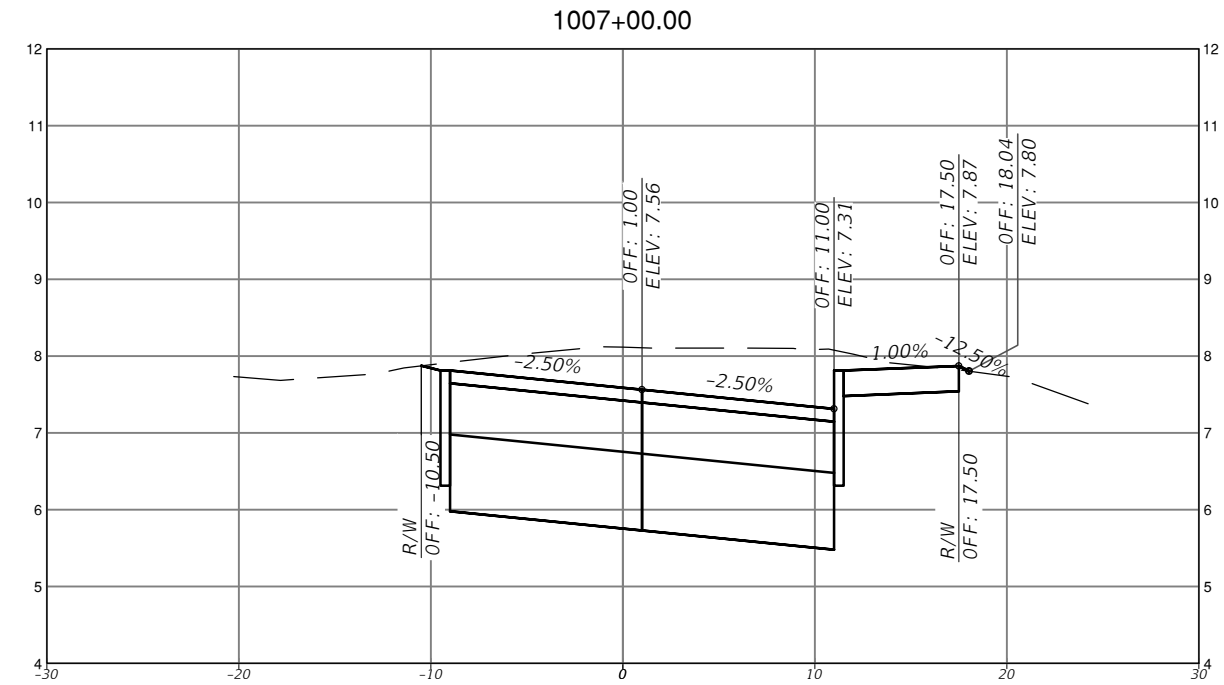
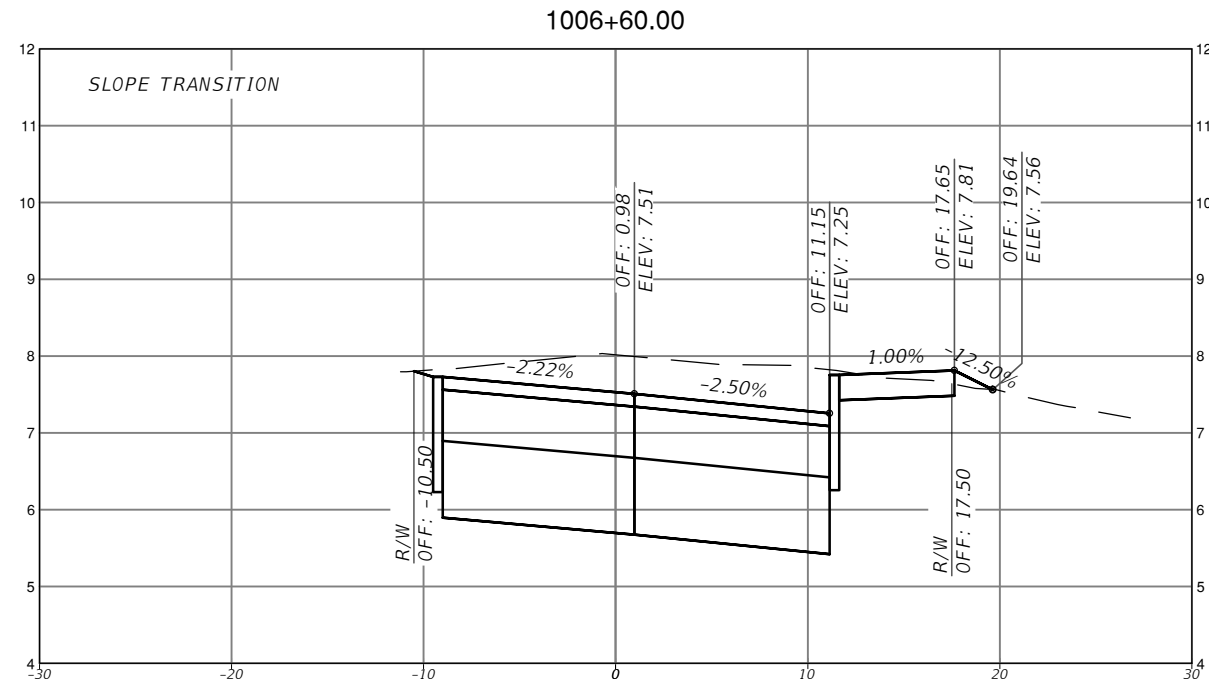
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TOWN OF MEDLEY
 DEPARTMENT OF ENGINEERING
 PROJECT STREET COUNTY
 NW S RIVER DRIVE MIAMI-DADE

ROADWAY PAVEMENT
 CROSS SECTIONS
 (2 OF 30)

SHEET NO.
 C-7.2



SCALE
1" = 10' HORIZONTAL
1" = 1' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



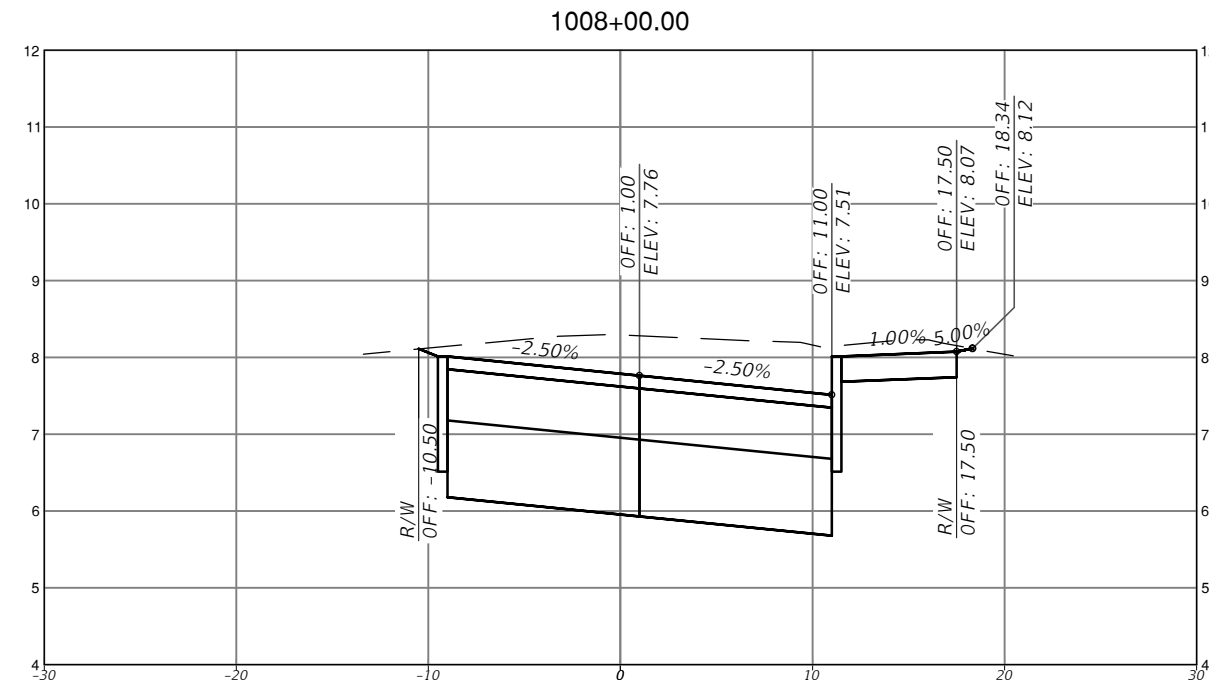
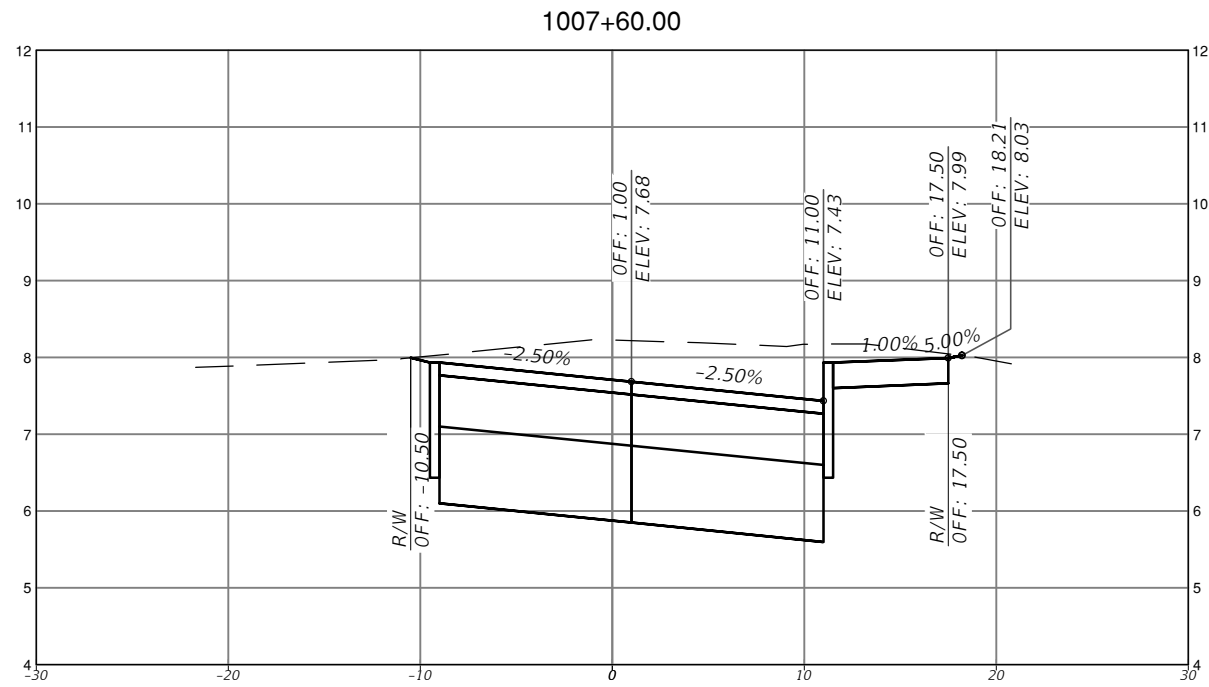
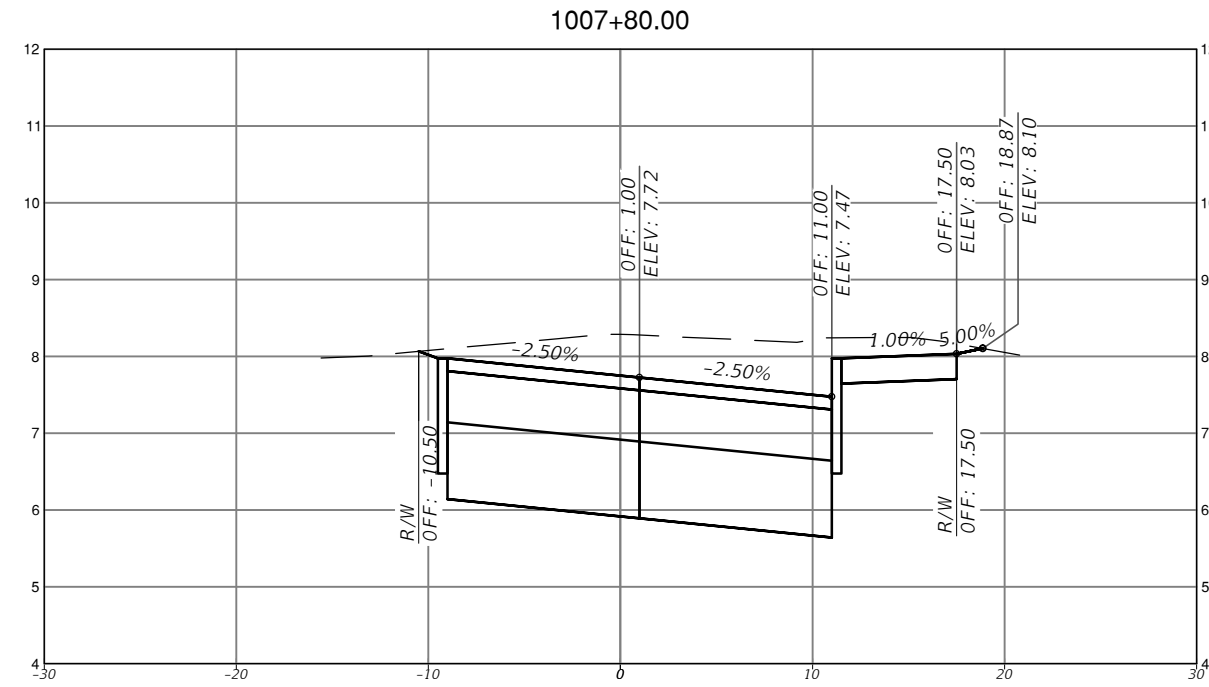
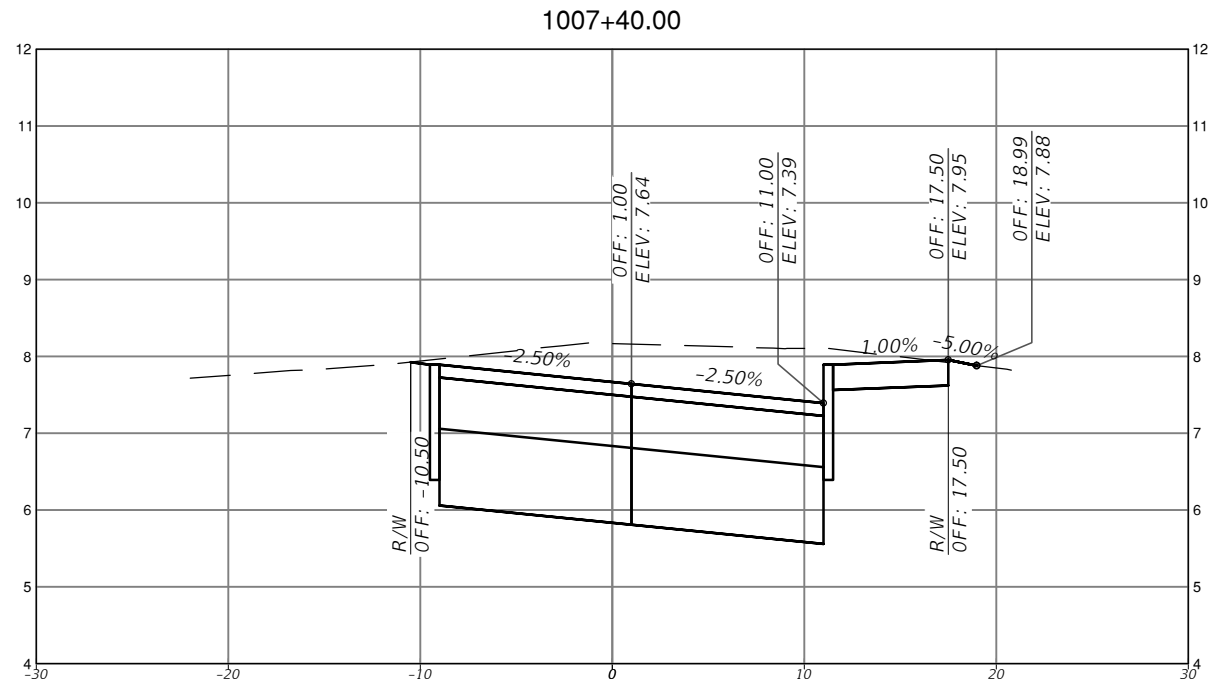
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TOWN OF MEDLEY
DEPARTMENT OF ENGINEERING
PROJECT STREET: NW S RIVER DRIVE
COUNTY: MIAMI-DADE

ROADWAY PAVEMENT
CROSS SECTIONS
(3 OF 30)

SHEET NO.
C-7.3



SCALE
 1" = 10' HORIZONTAL
 1" = 1' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



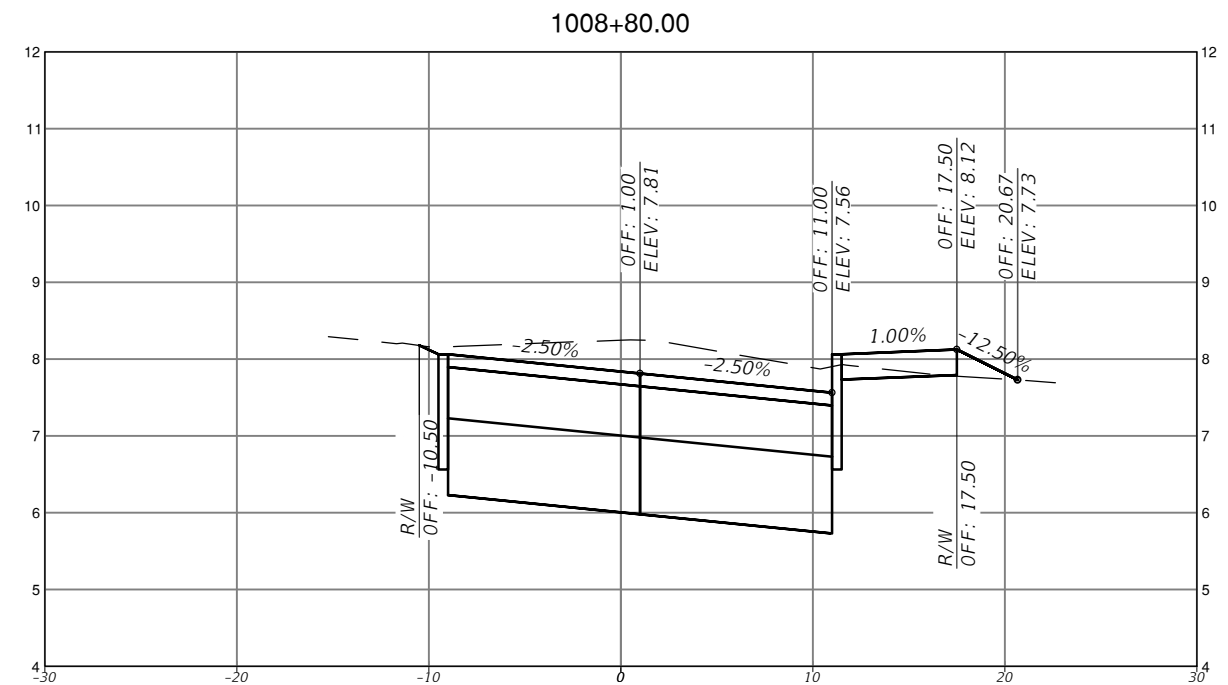
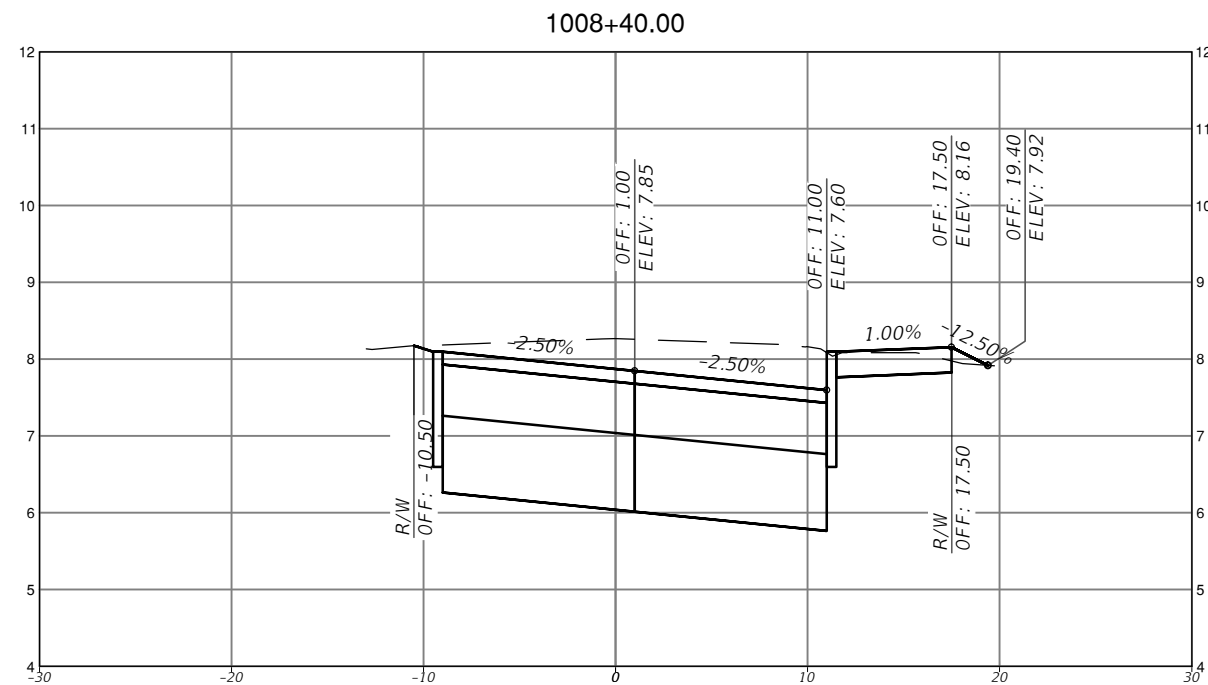
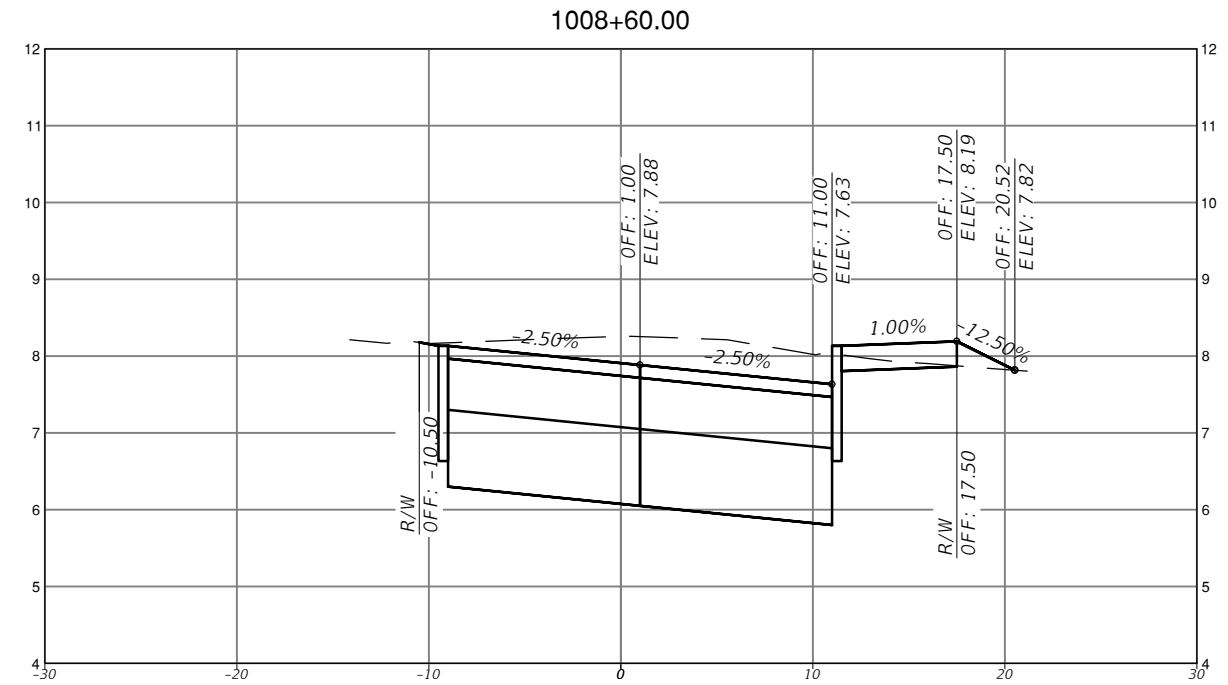
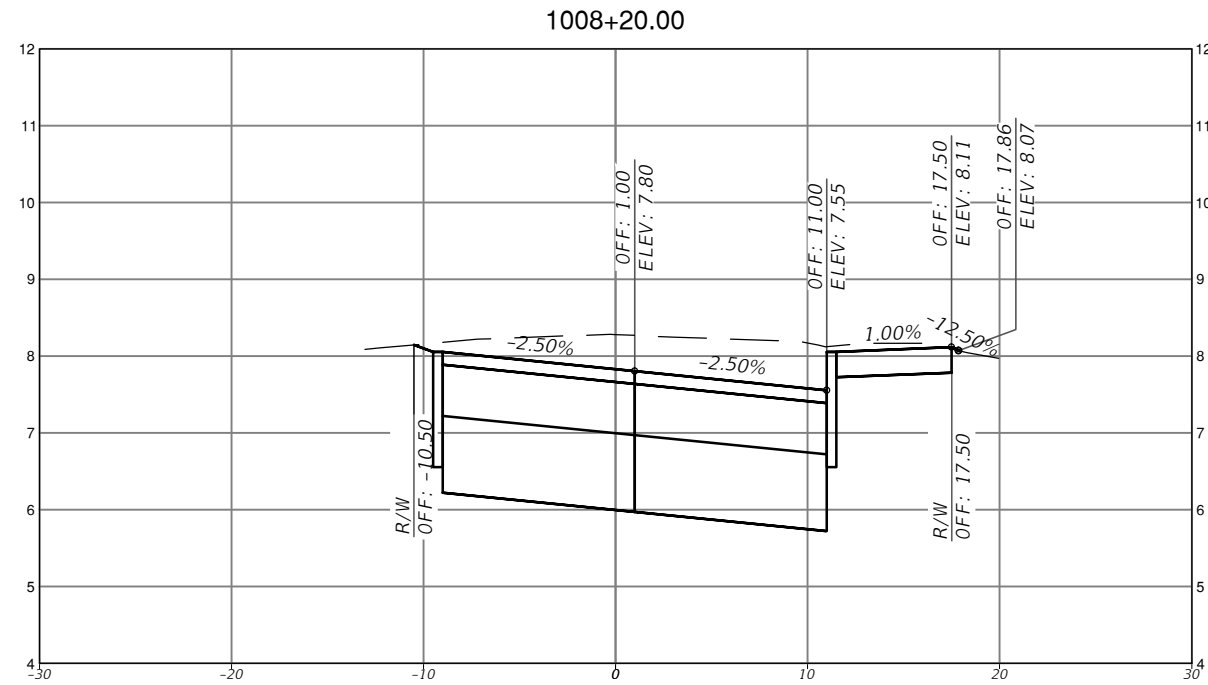
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TOWN OF MEDLEY
 DEPARTMENT OF ENGINEERING
 PROJECT STREET: NW S RIVER DRIVE
 COUNTY: MIAMI-DADE

ROADWAY PAVEMENT CROSS SECTIONS
 (4 OF 30)

SHEET NO.
 C-7.4



SCALE
1" = 10' HORIZONTAL
1" = 1' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



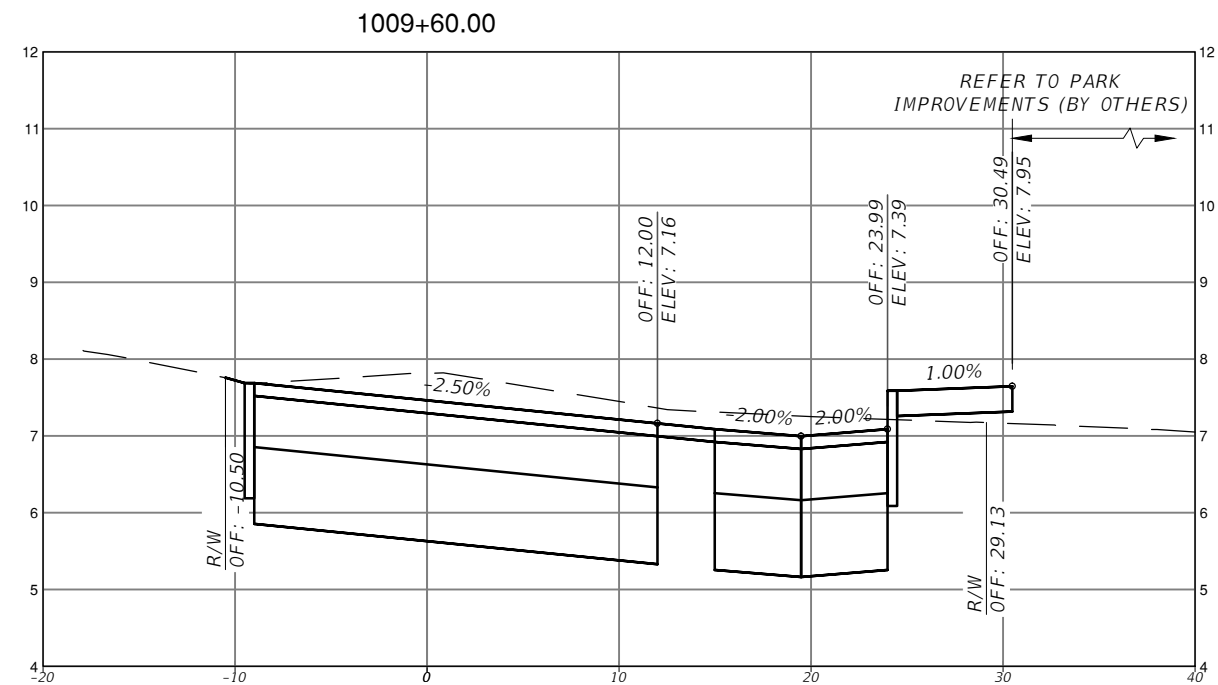
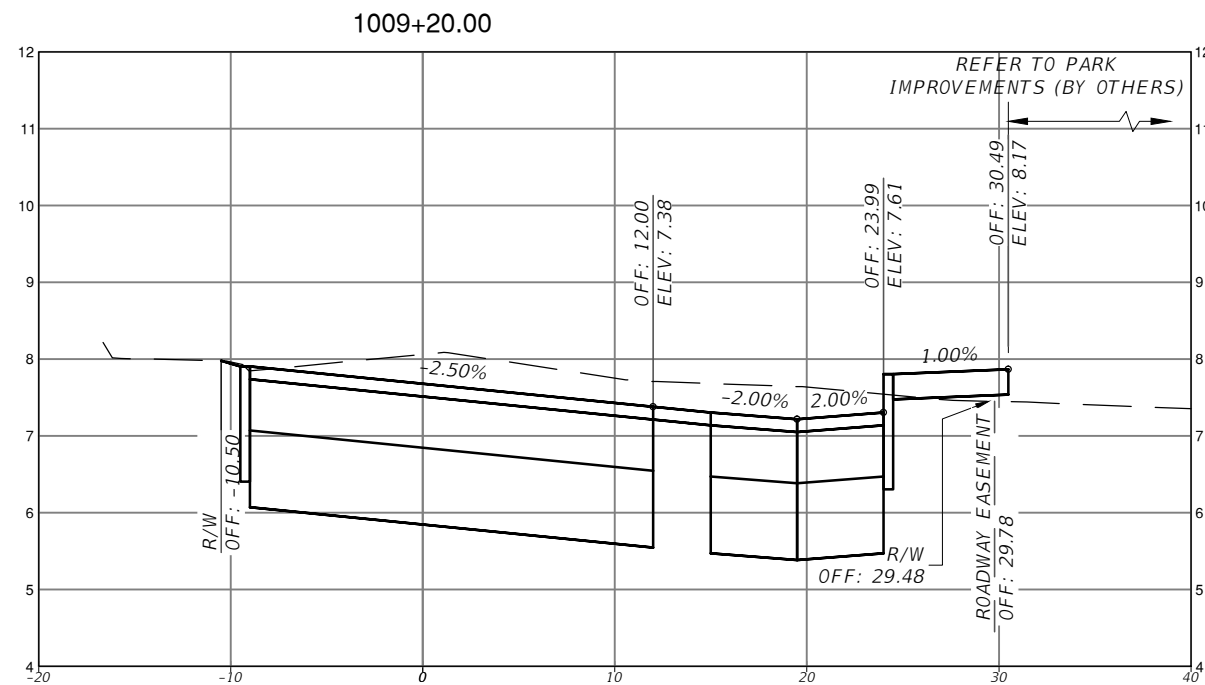
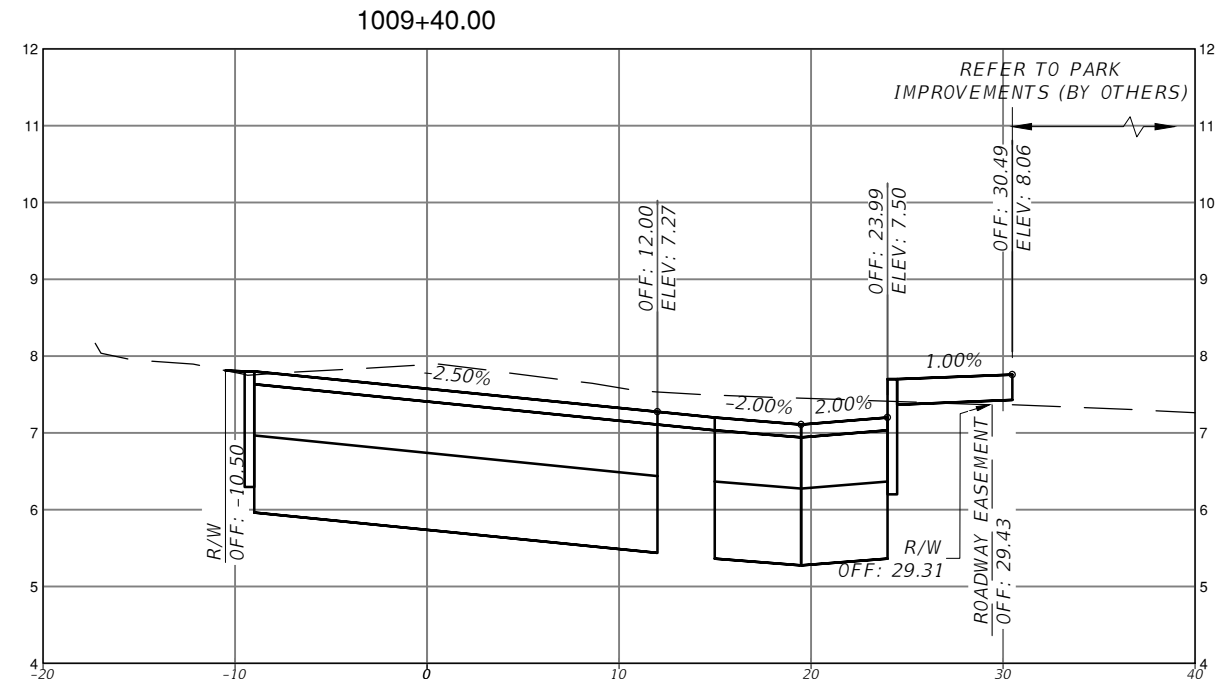
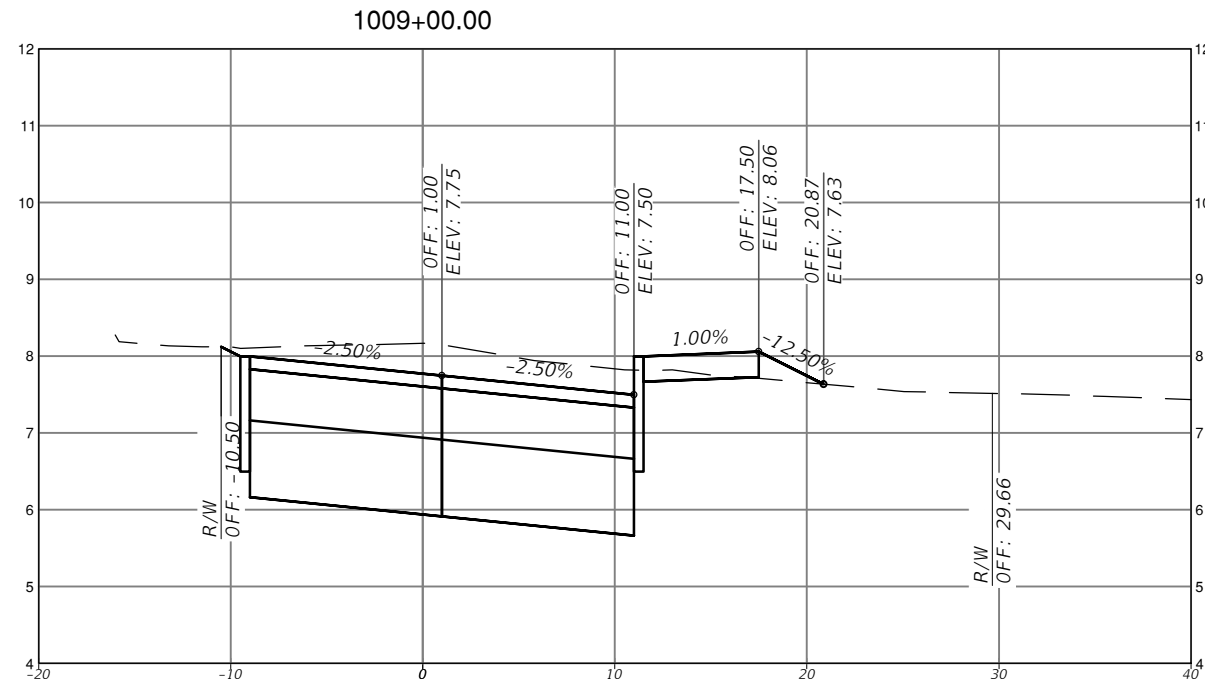
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TOWN OF MEDLEY
DEPARTMENT OF ENGINEERING
PROJECT STREET: NW S RIVER DRIVE
COUNTY: MIAMI-DADE

ROADWAY PAVEMENT
CROSS SECTIONS
(5 OF 30)

SHEET NO.
C-7.5



SCALE
 1" = 10' HORIZONTAL
 1" = 1' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



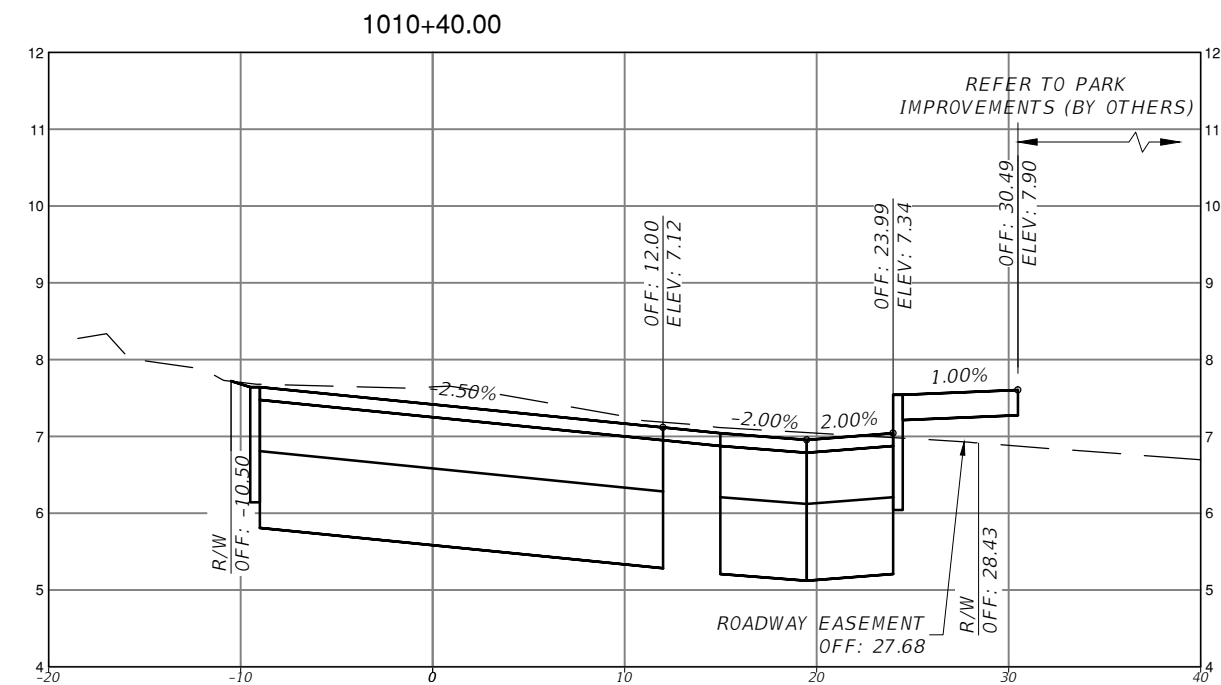
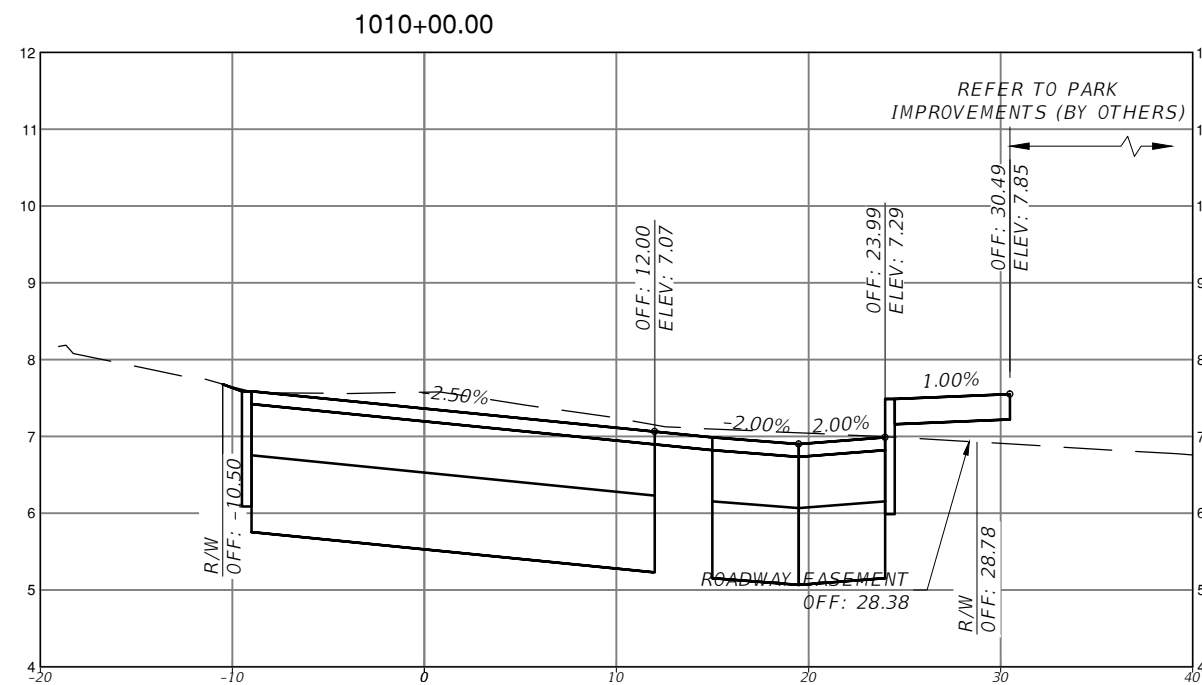
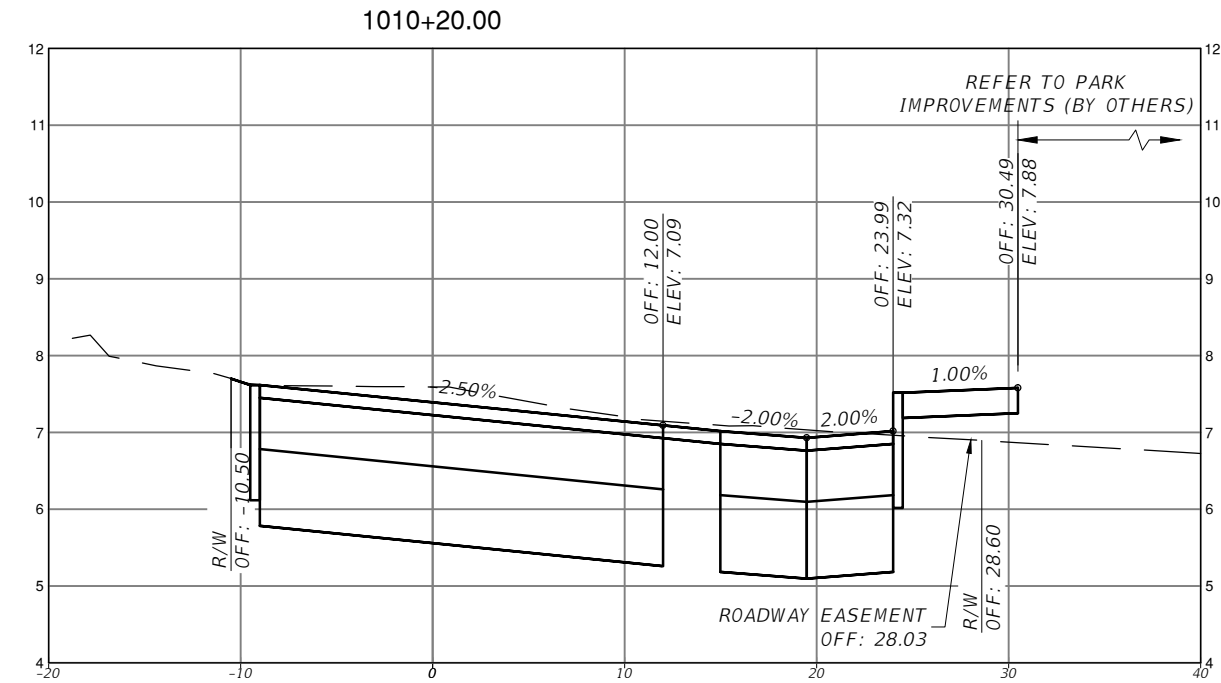
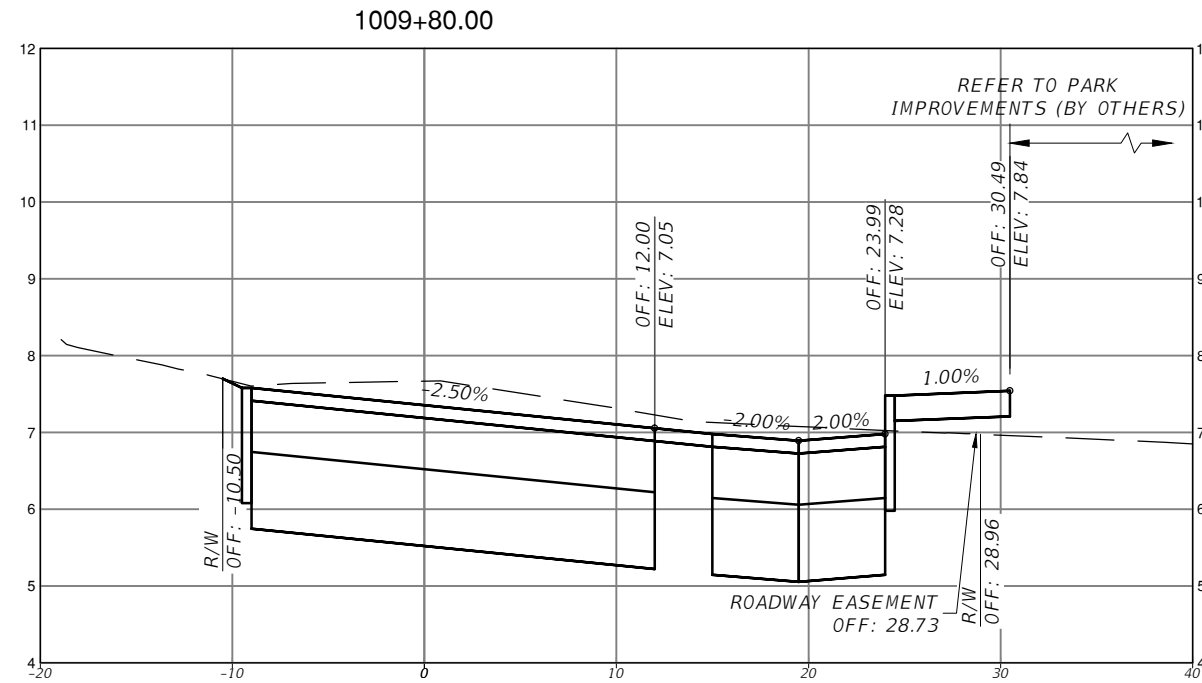
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TOWN OF MEDLEY
 DEPARTMENT OF ENGINEERING
 PROJECT STREET: NW S RIVER DRIVE
 COUNTY: MIAMI-DADE

ROADWAY PAVEMENT
 CROSS SECTIONS
 (6 OF 30)

SHEET NO.
 C-7.6



SCALE
1" = 10' HORIZONTAL
1" = 1' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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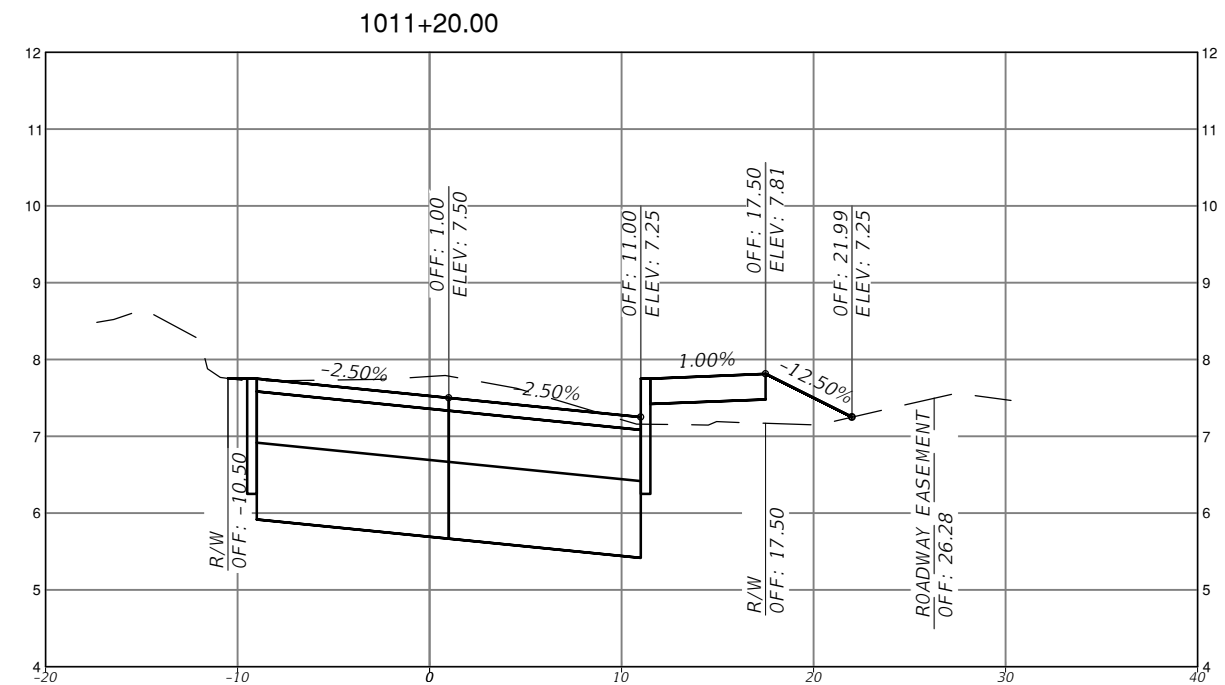
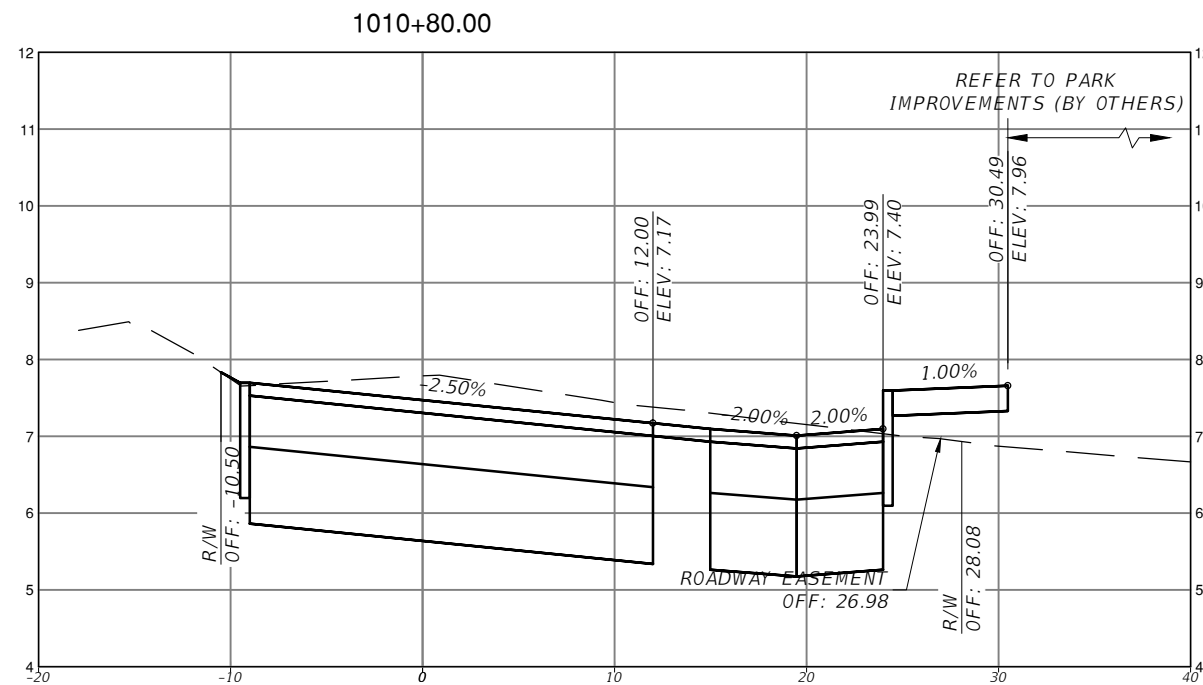
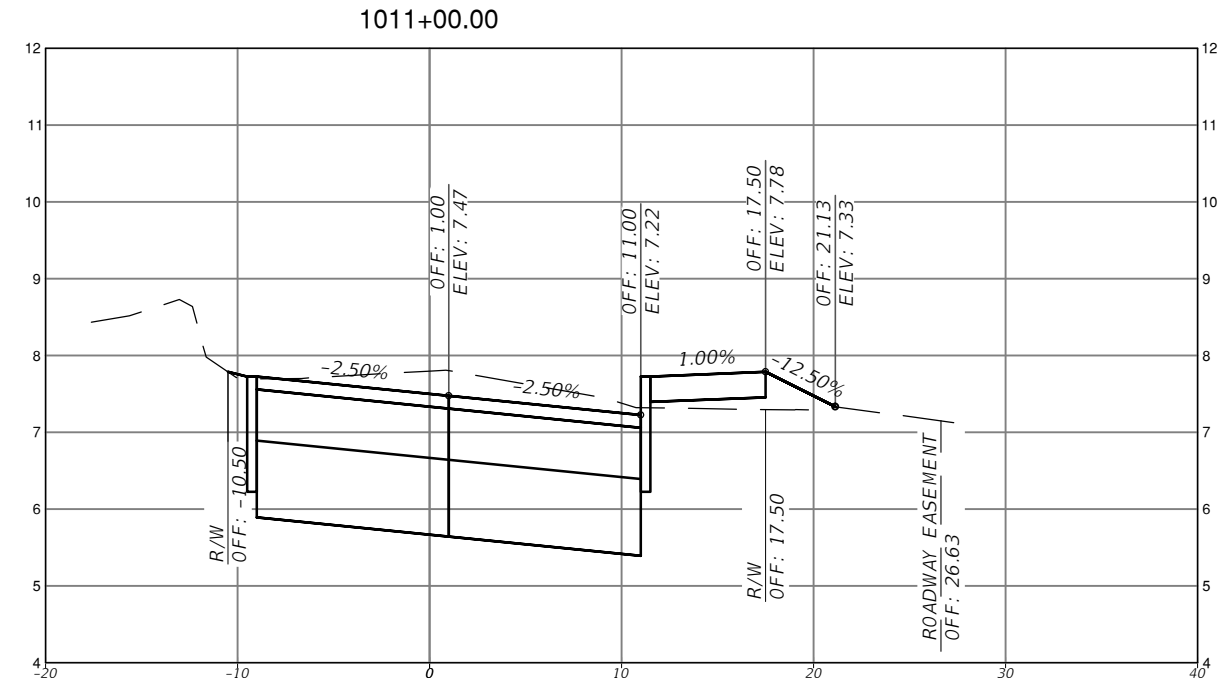
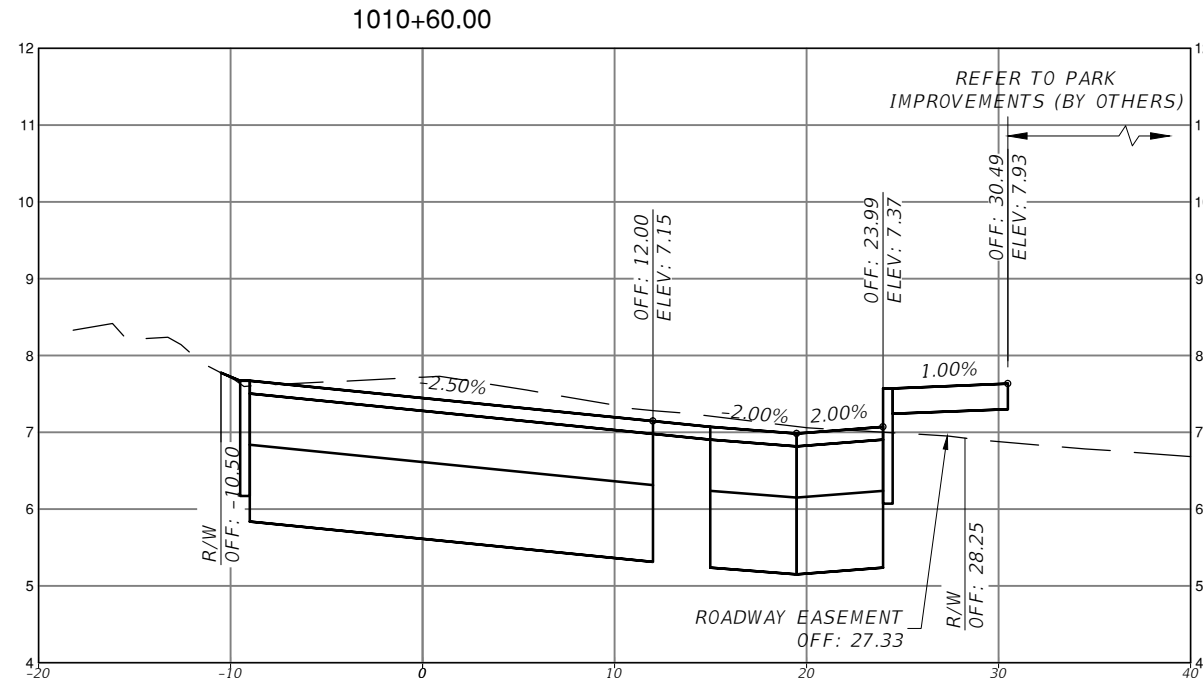


TOWN OF MEDLEY
DEPARTMENT OF ENGINEERING

PROJECT STREET	COUNTY
NW S RIVER DRIVE	MIAMI-DADE

ROADWAY PAVEMENT
CROSS SECTIONS
(7 OF 30)

SHEET NO.
C-7.7



SCALE
1" = 10' HORIZONTAL
1" = 1' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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MIAMI, FL 33126
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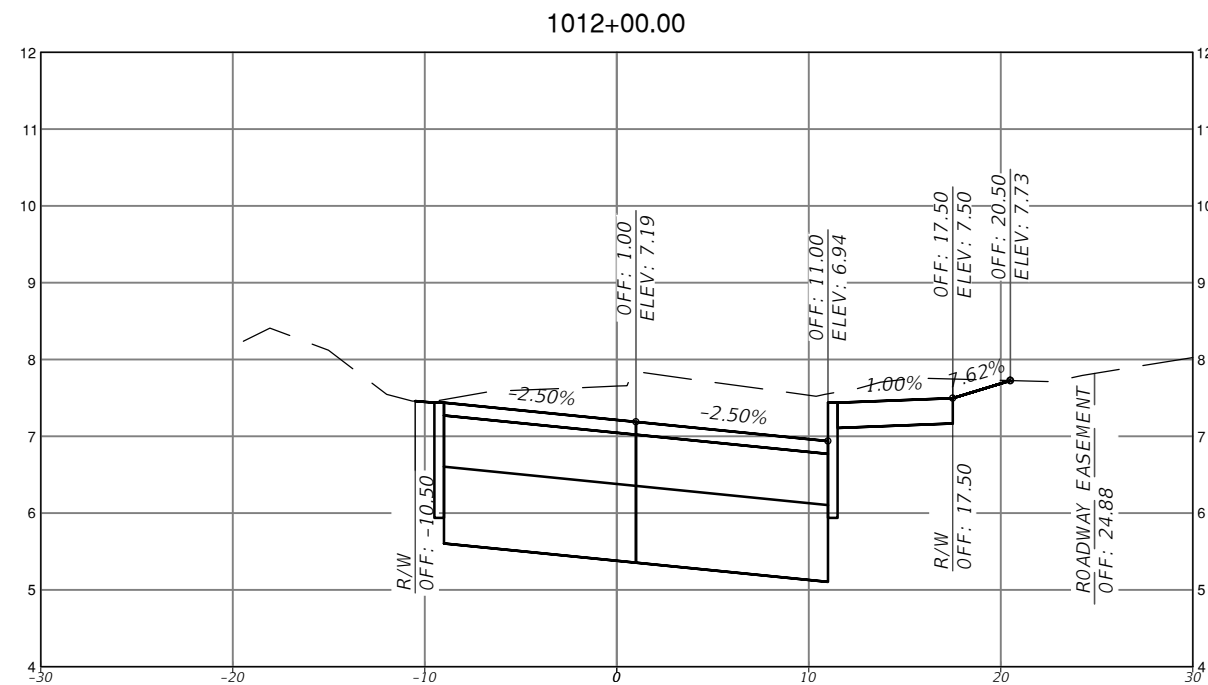
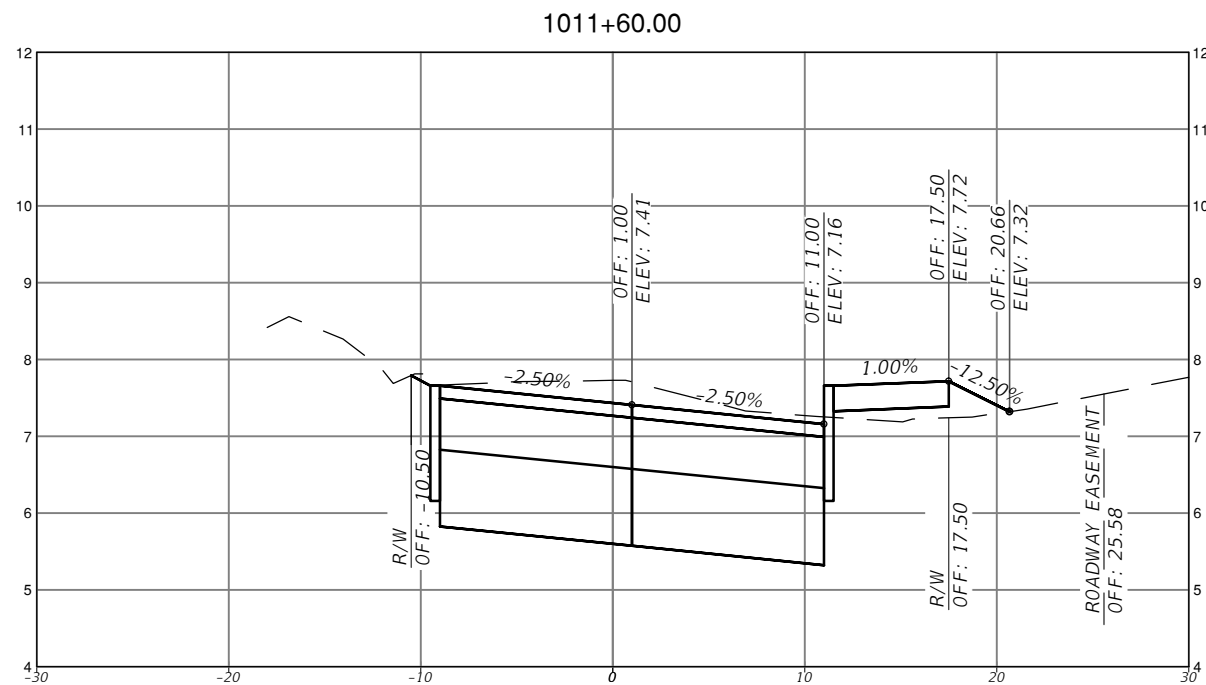
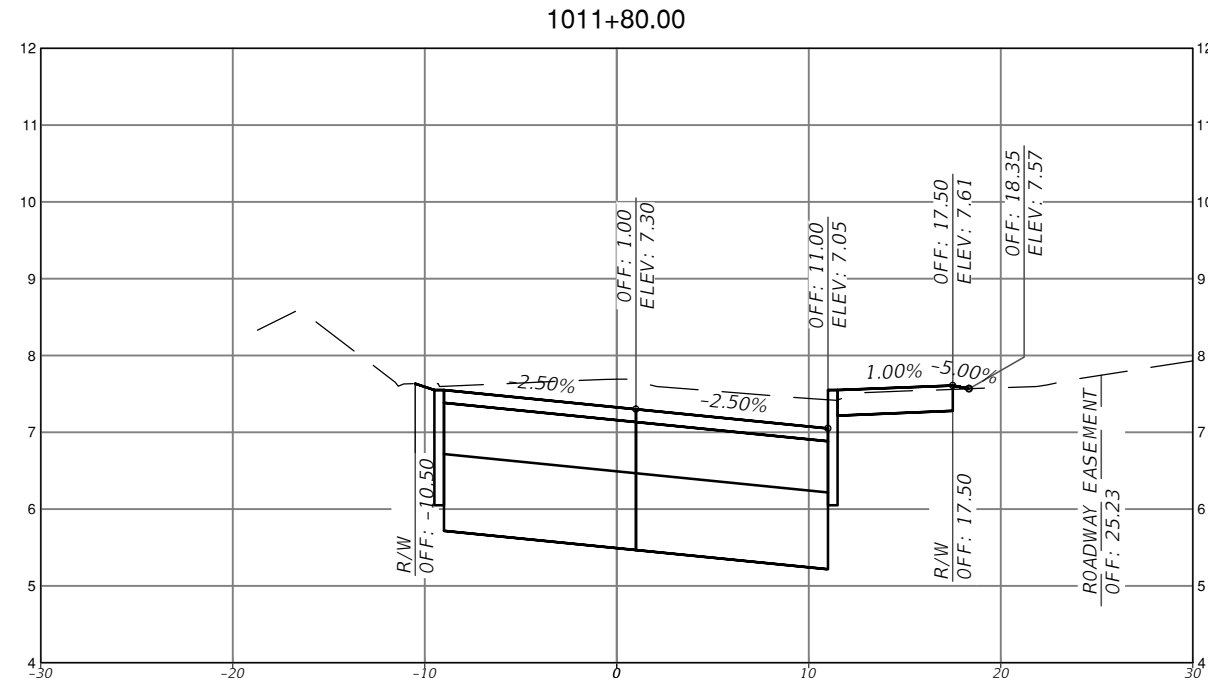
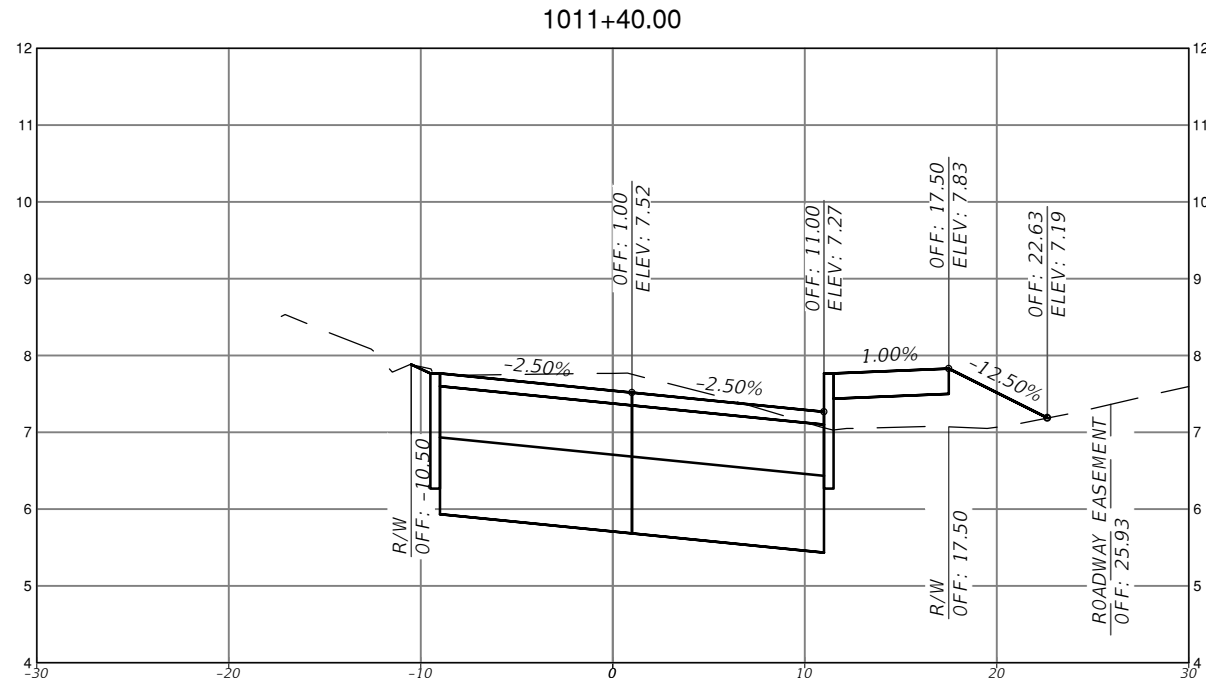


TOWN OF MEDLEY
DEPARTMENT OF ENGINEERING

PROJECT STREET	COUNTY
NW S RIVER DRIVE	MIAMI-DADE

ROADWAY PAVEMENT
CROSS SECTIONS
(8 OF 30)

SHEET NO.
C-7.8



SCALE
 1" = 10' HORIZONTAL
 1" = 1' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



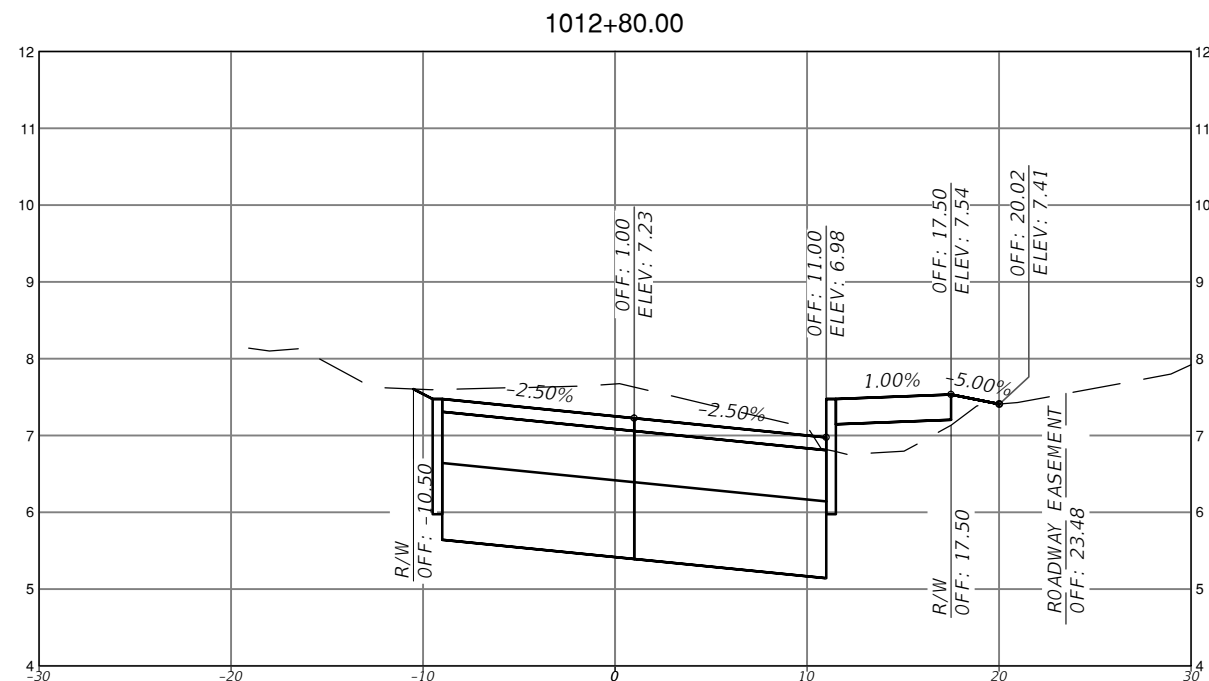
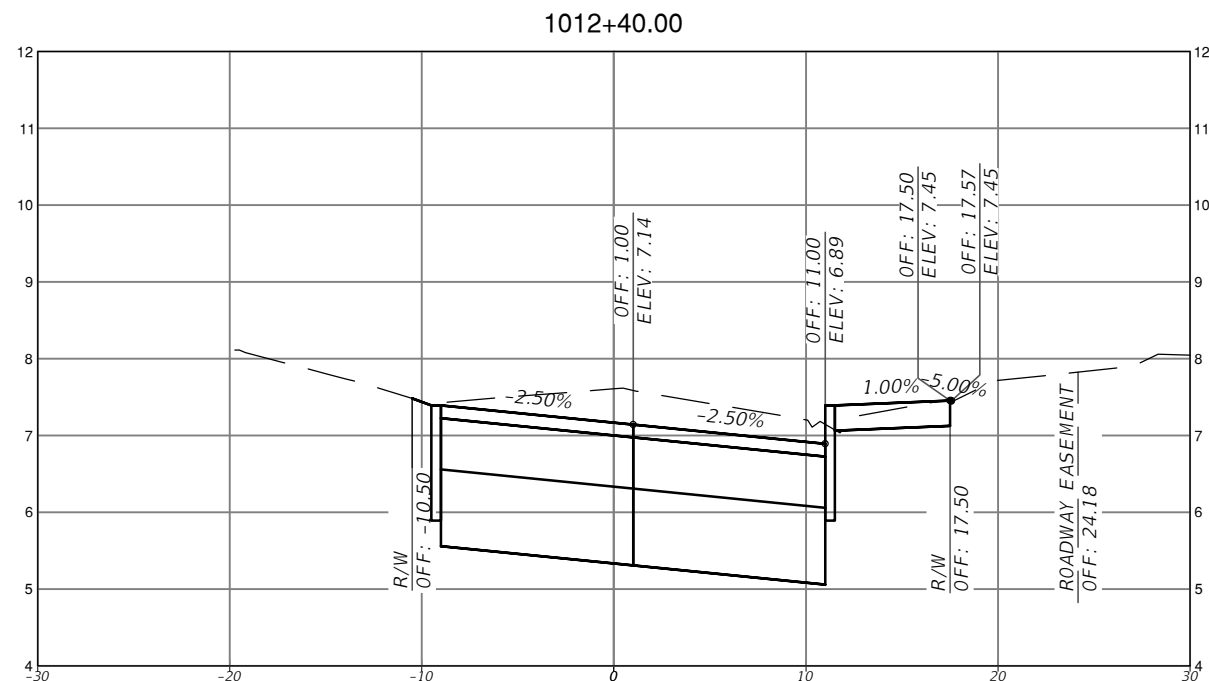
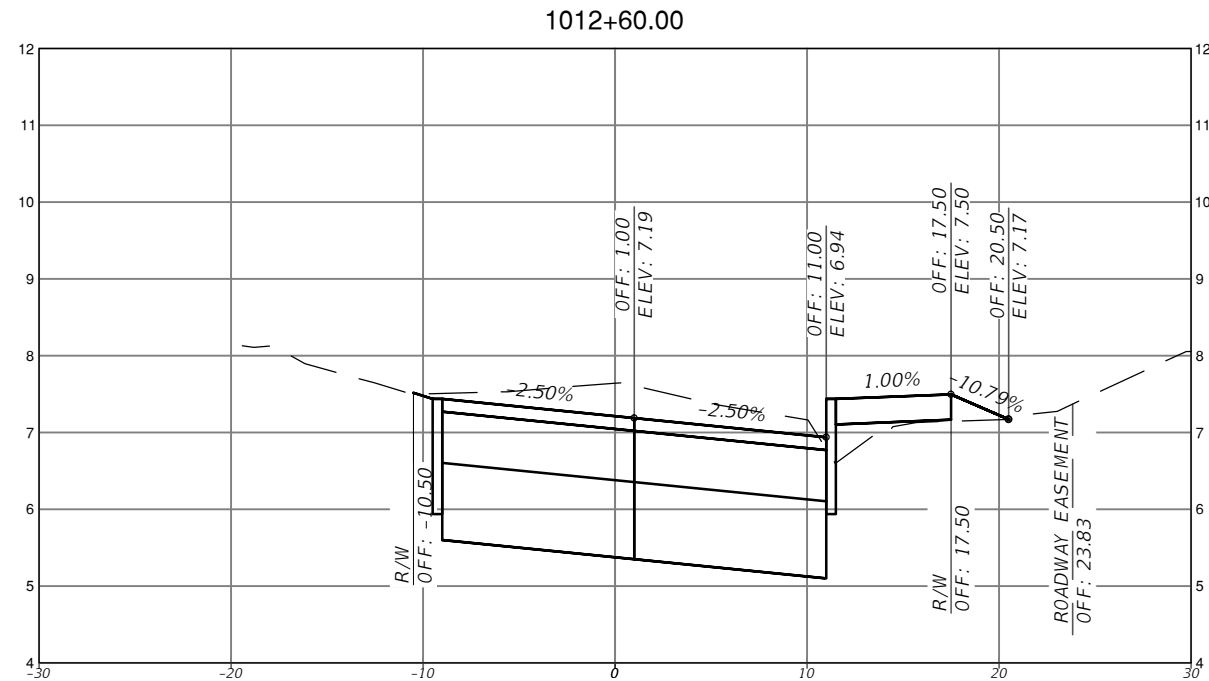
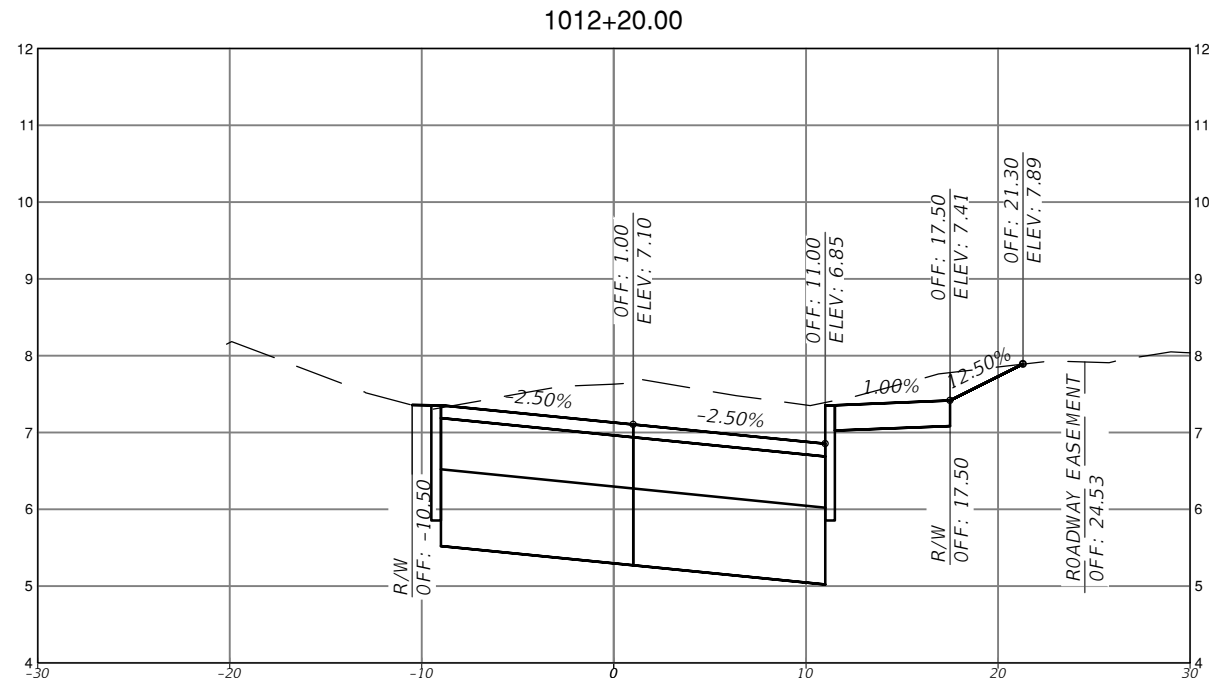
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TOWN OF MEDLEY
 DEPARTMENT OF ENGINEERING
 PROJECT STREET: NW S RIVER DRIVE
 COUNTY: MIAMI-DADE

ROADWAY PAVEMENT
 CROSS SECTIONS
 (9 OF 30)

SHEET NO.
 C-7.9



SCALE
1" = 10' HORIZONTAL
1" = 1' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



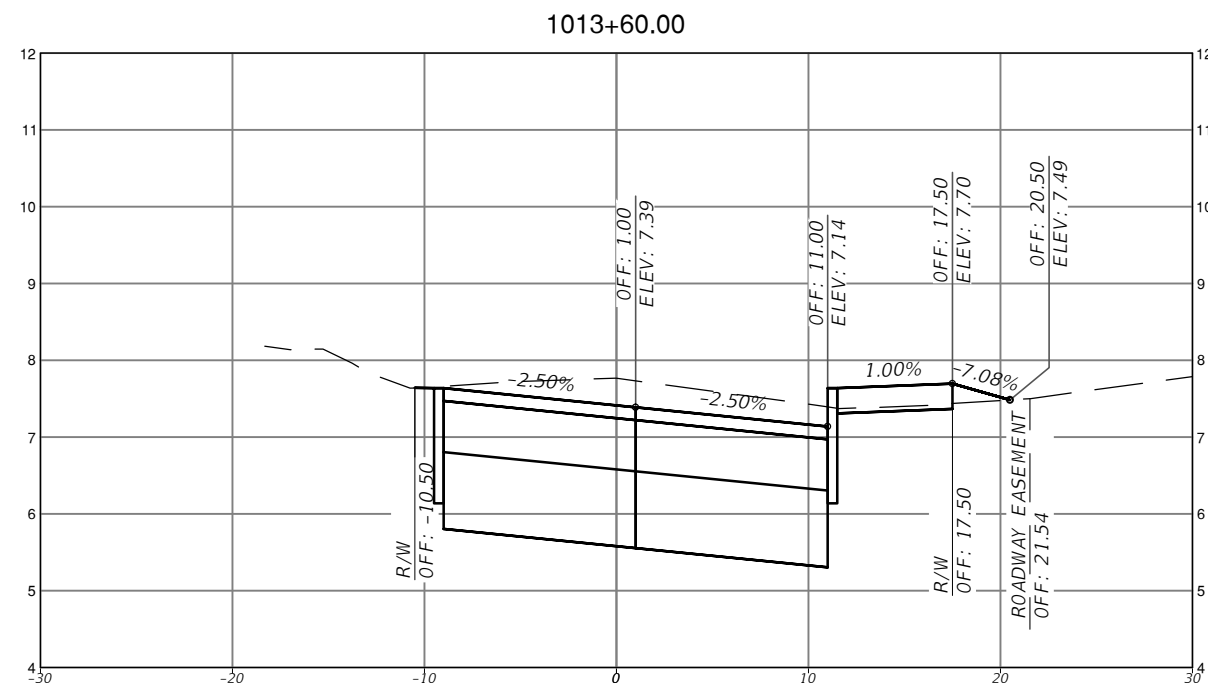
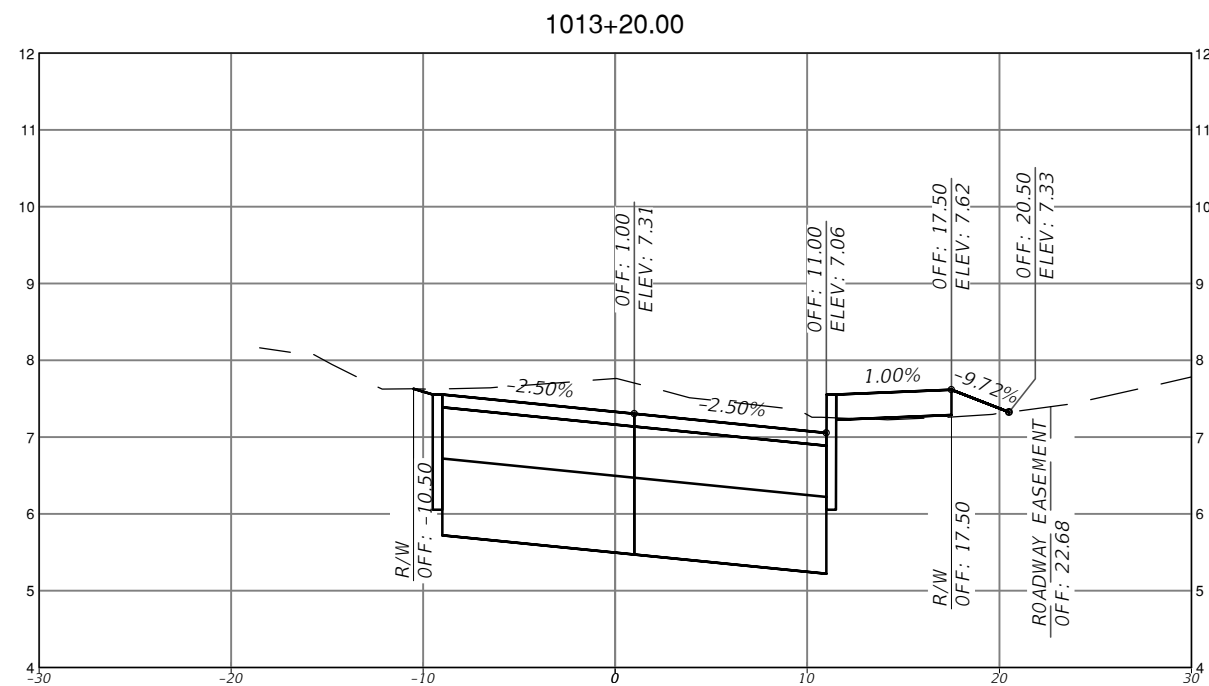
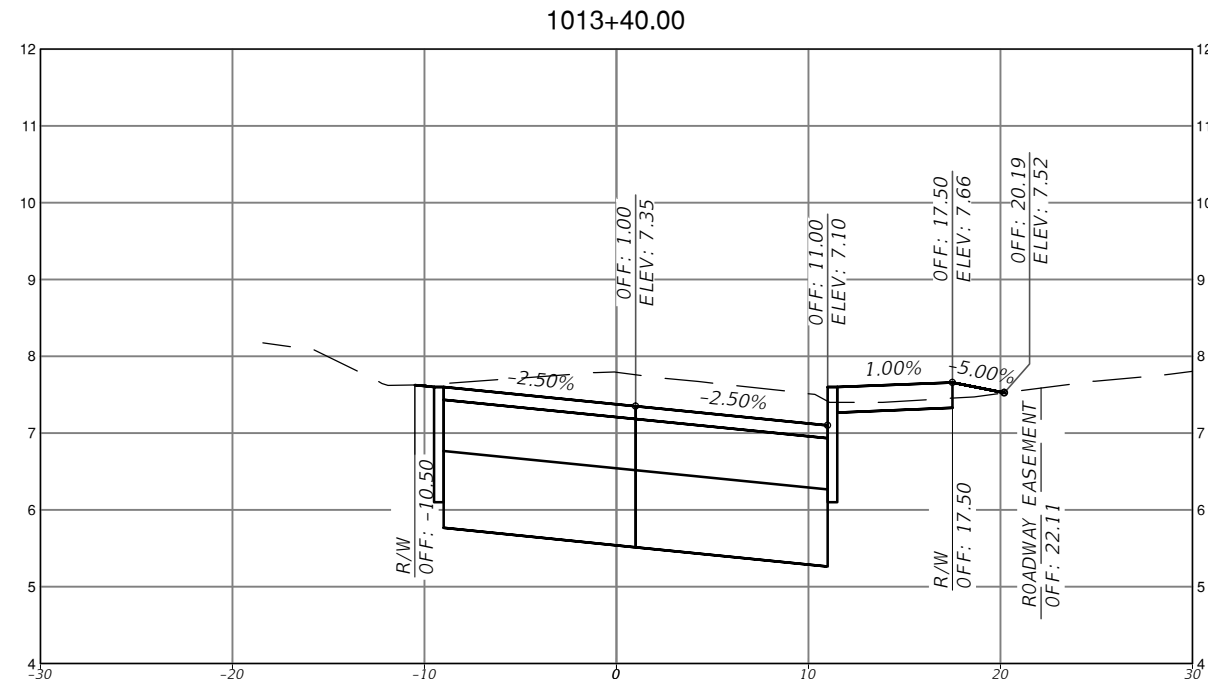
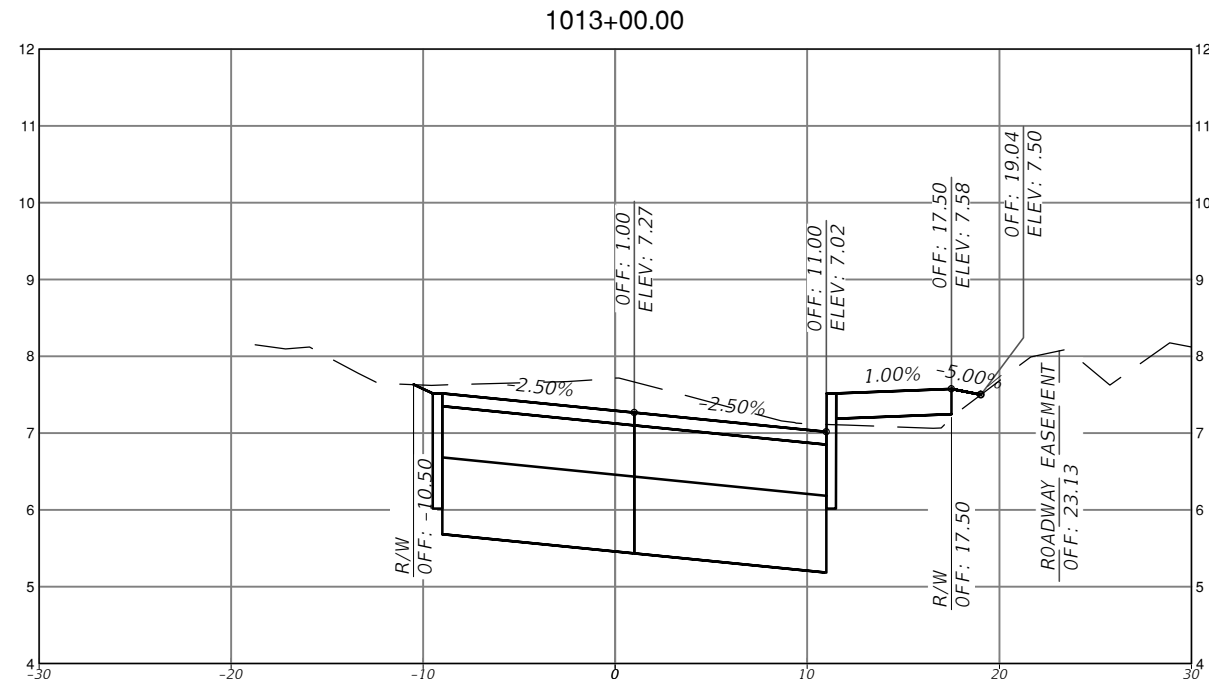
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TOWN OF MEDLEY
DEPARTMENT OF ENGINEERING
PROJECT STREET: NW S RIVER DRIVE
COUNTY: MIAMI-DADE

ROADWAY PAVEMENT
CROSS SECTIONS
(10 OF 30)

SHEET NO.
C-7.10



SCALE
 1" = 10' HORIZONTAL
 1" = 1' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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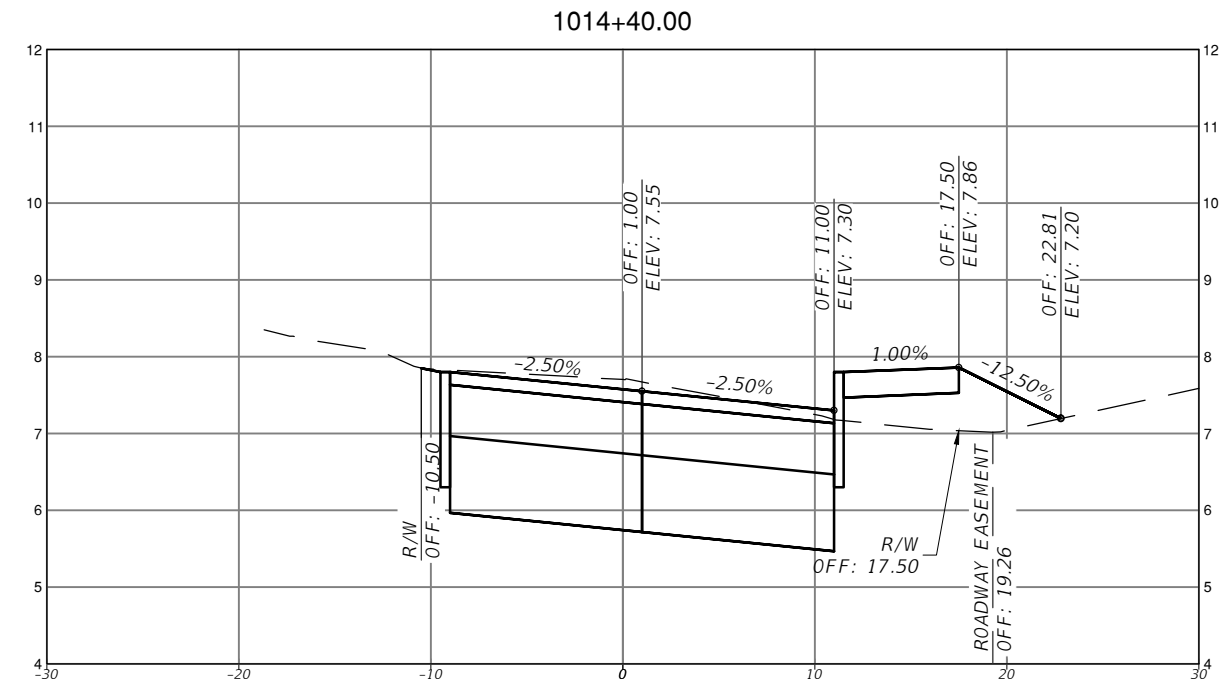
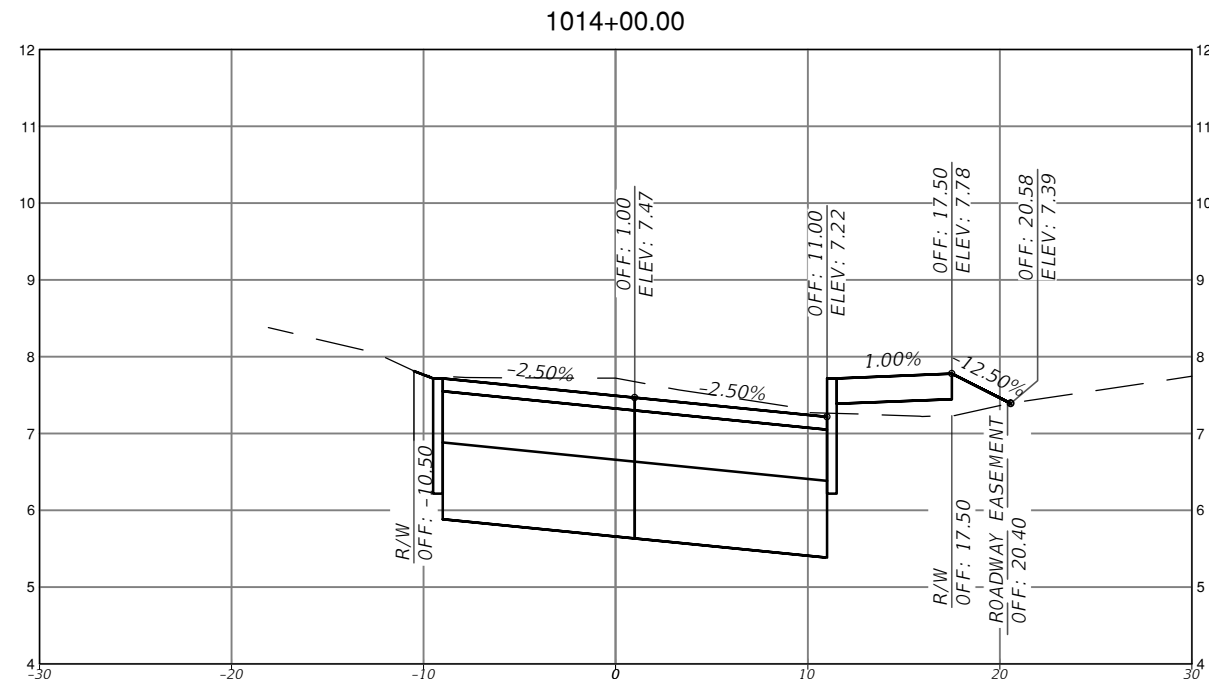
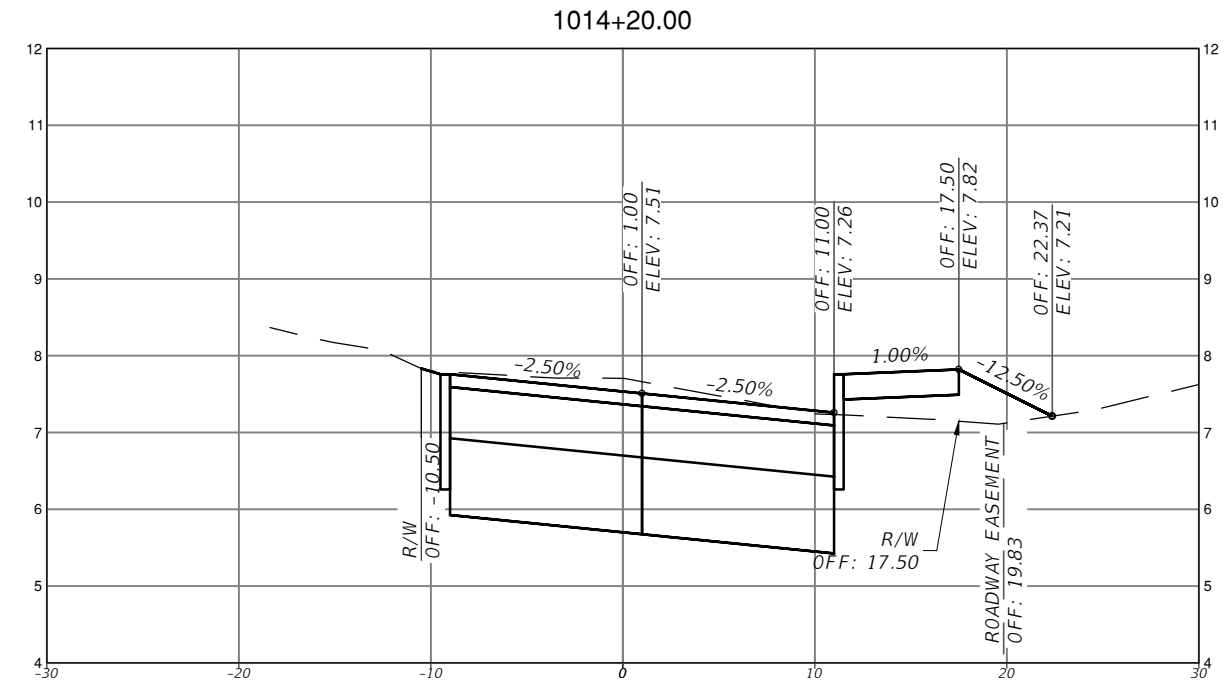
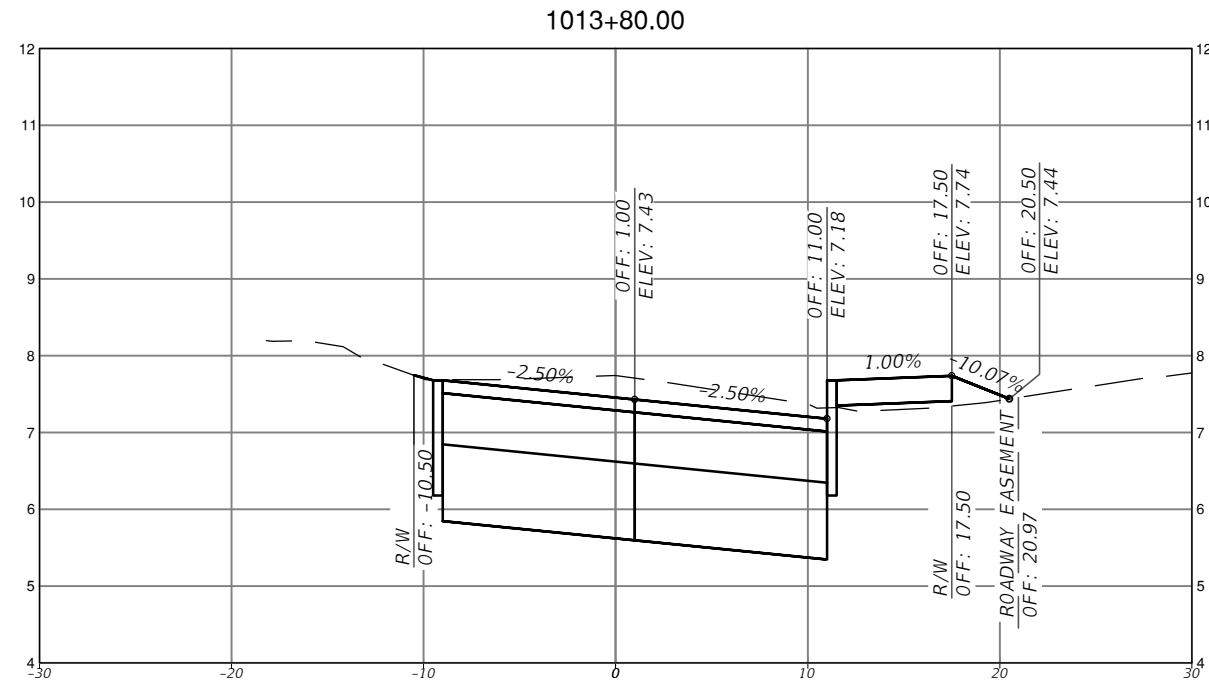


TOWN OF MEDLEY
 DEPARTMENT OF ENGINEERING

PROJECT STREET	COUNTY
NW S RIVER DRIVE	MIAMI-DADE

ROADWAY PAVEMENT
 CROSS SECTIONS
 (11 OF 30)

SHEET NO.
 C-7.11



SCALE
 1" = 10' HORIZONTAL
 1" = 1' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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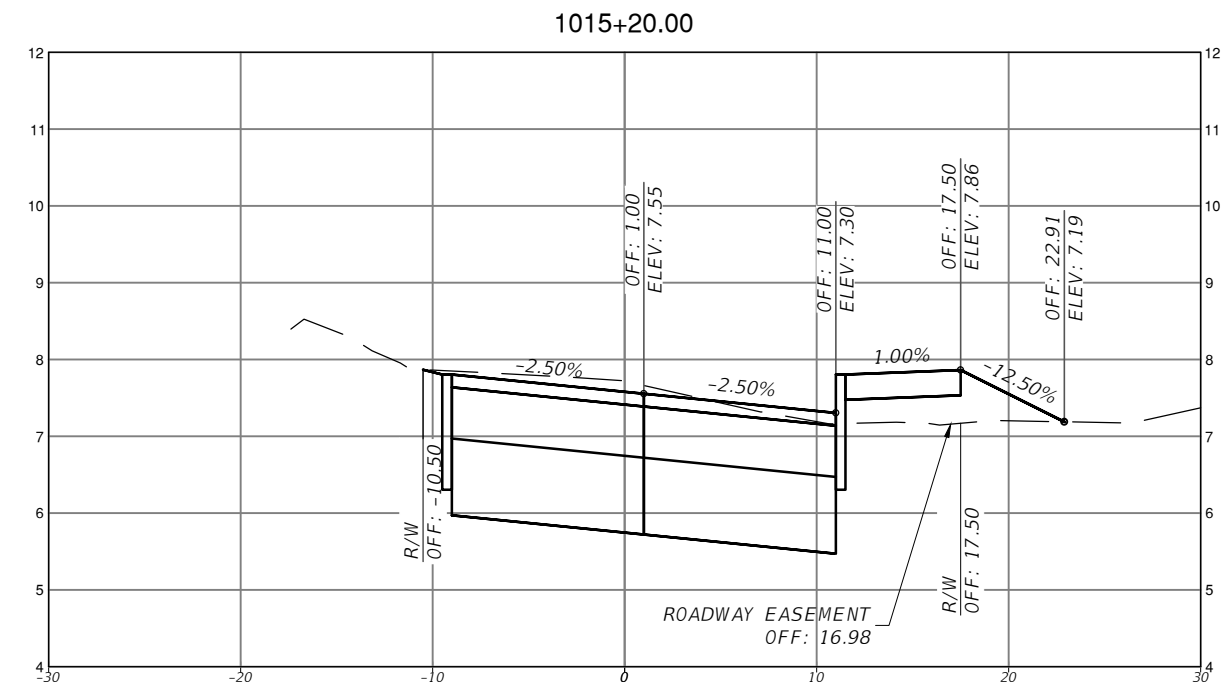
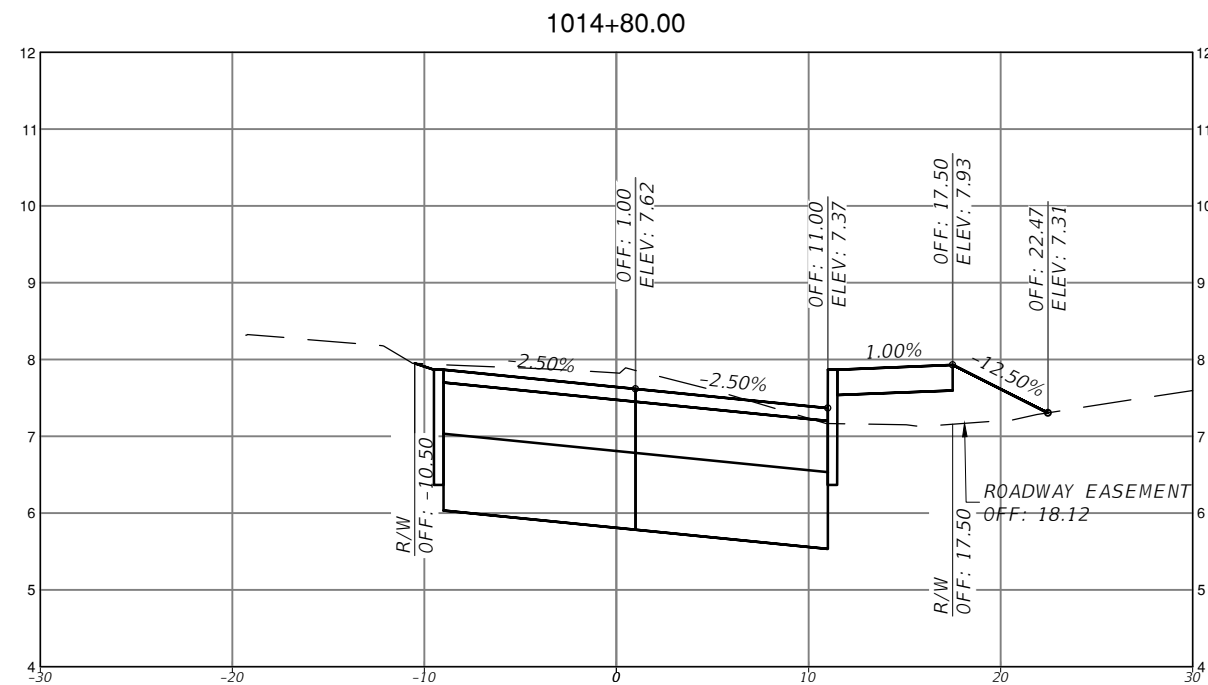
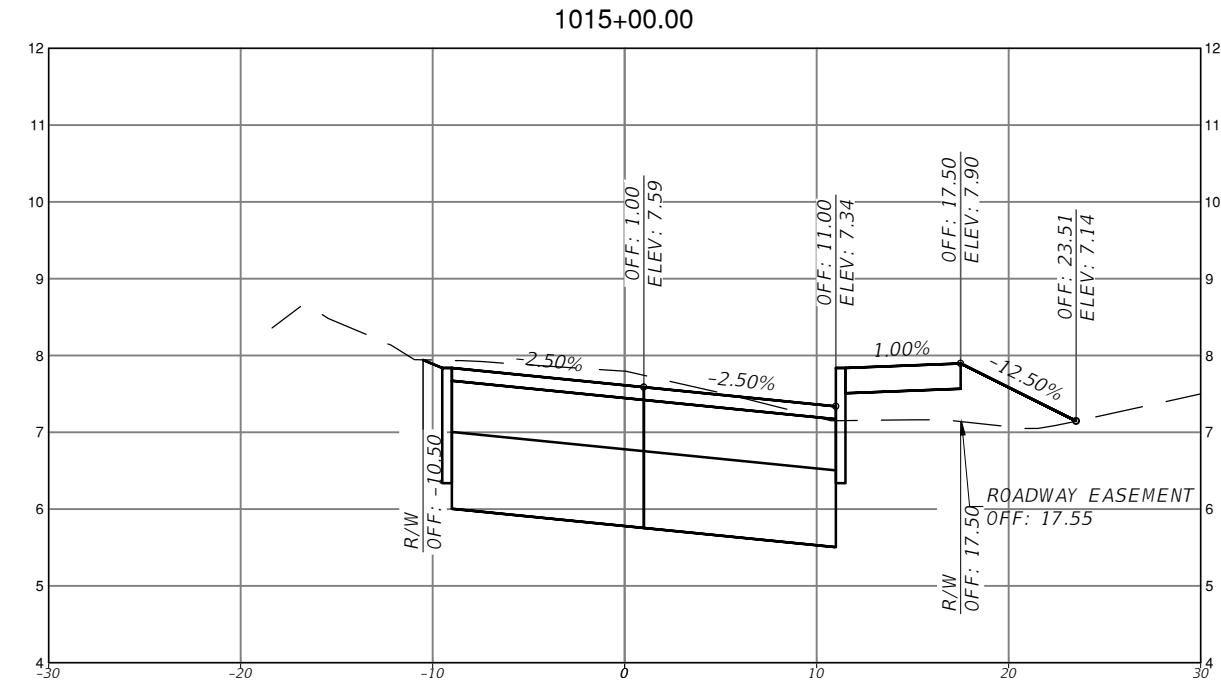
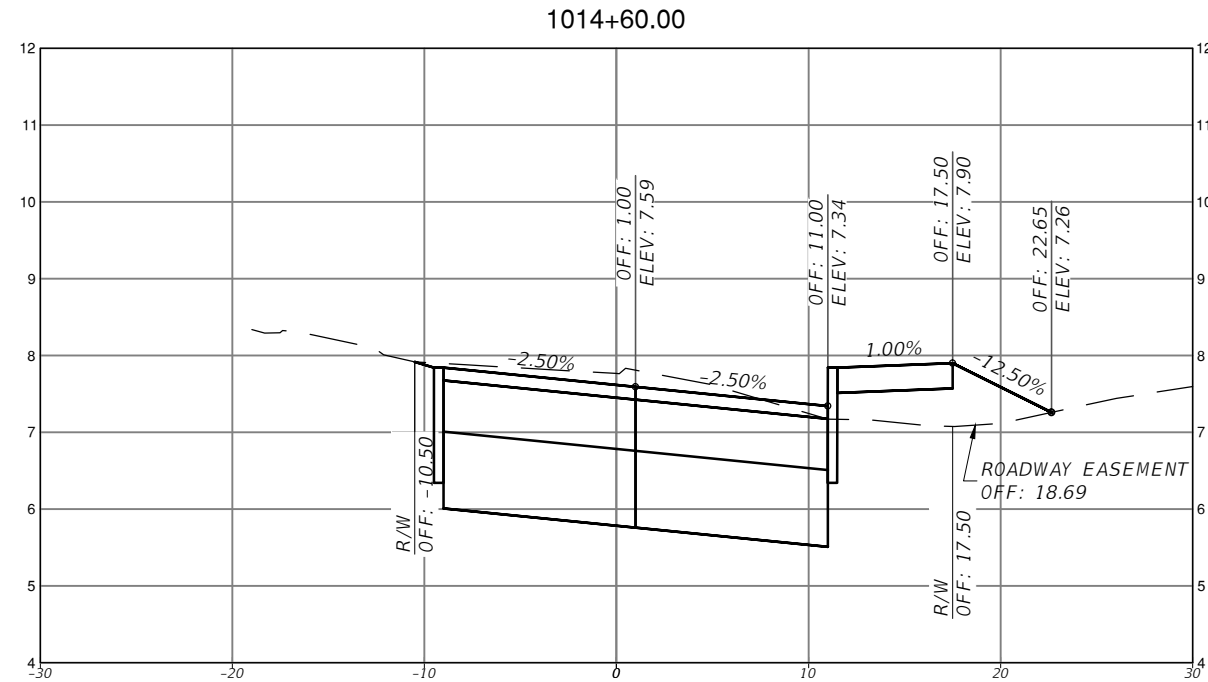
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THE TOWN OF MEDLEY
 TOWN OF MEDLEY
 DEPARTMENT OF ENGINEERING

PROJECT STREET: NW S RIVER DRIVE
 COUNTY: MIAMI-DADE

ROADWAY PAVEMENT
 CROSS SECTIONS
 (12 OF 30)

SHEET NO.
 C-7.12



SCALE
 1" = 10' HORIZONTAL
 1" = 1' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



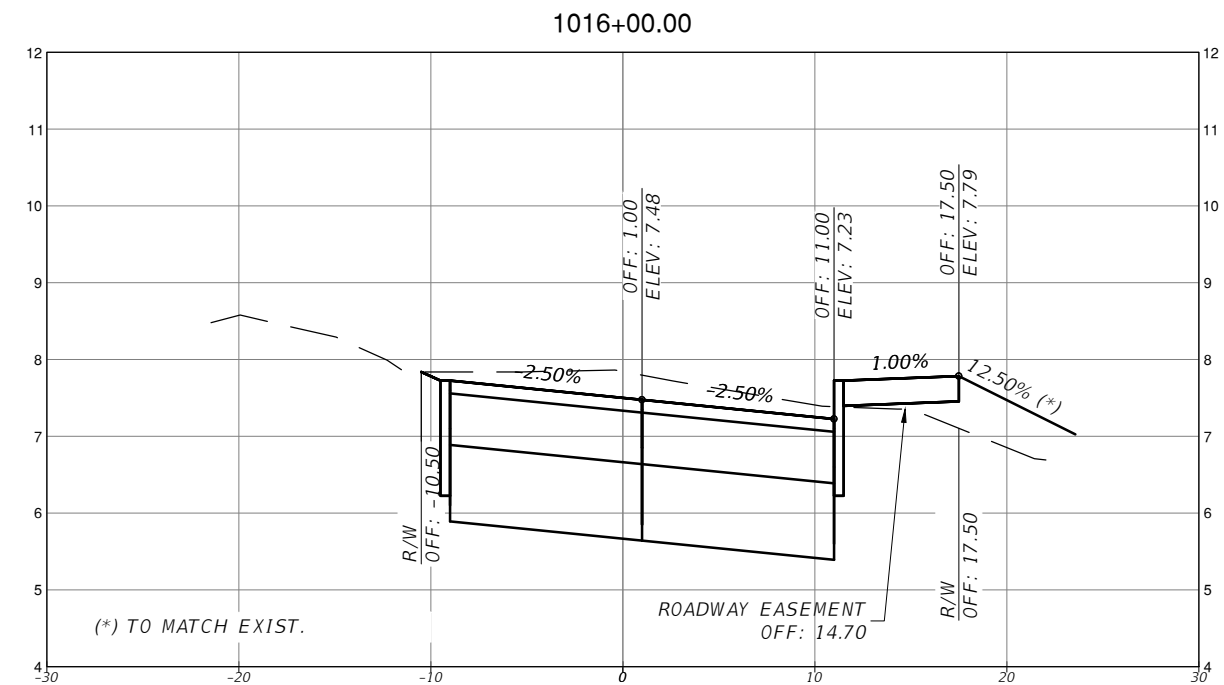
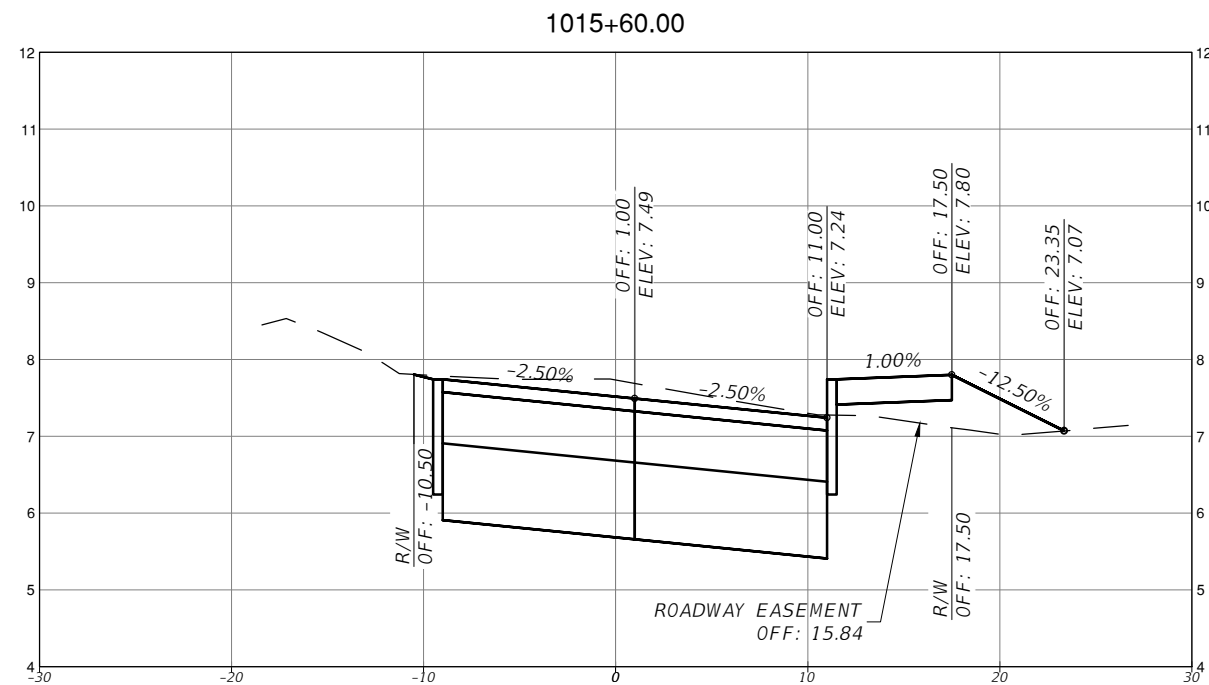
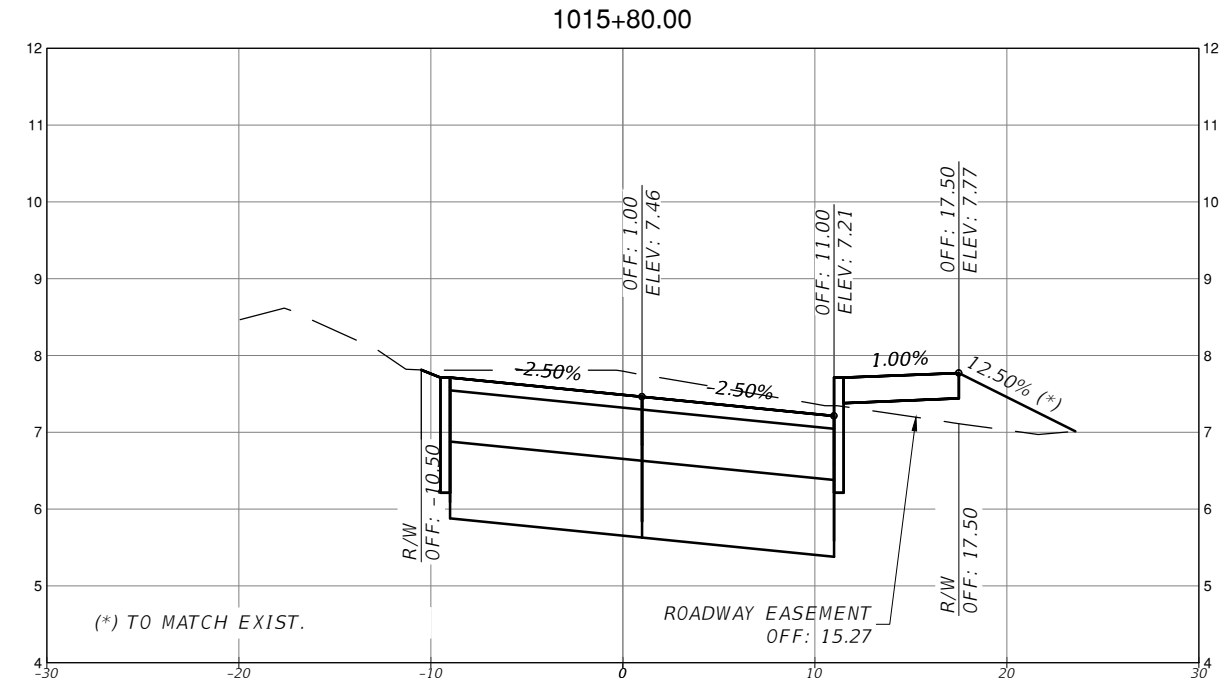
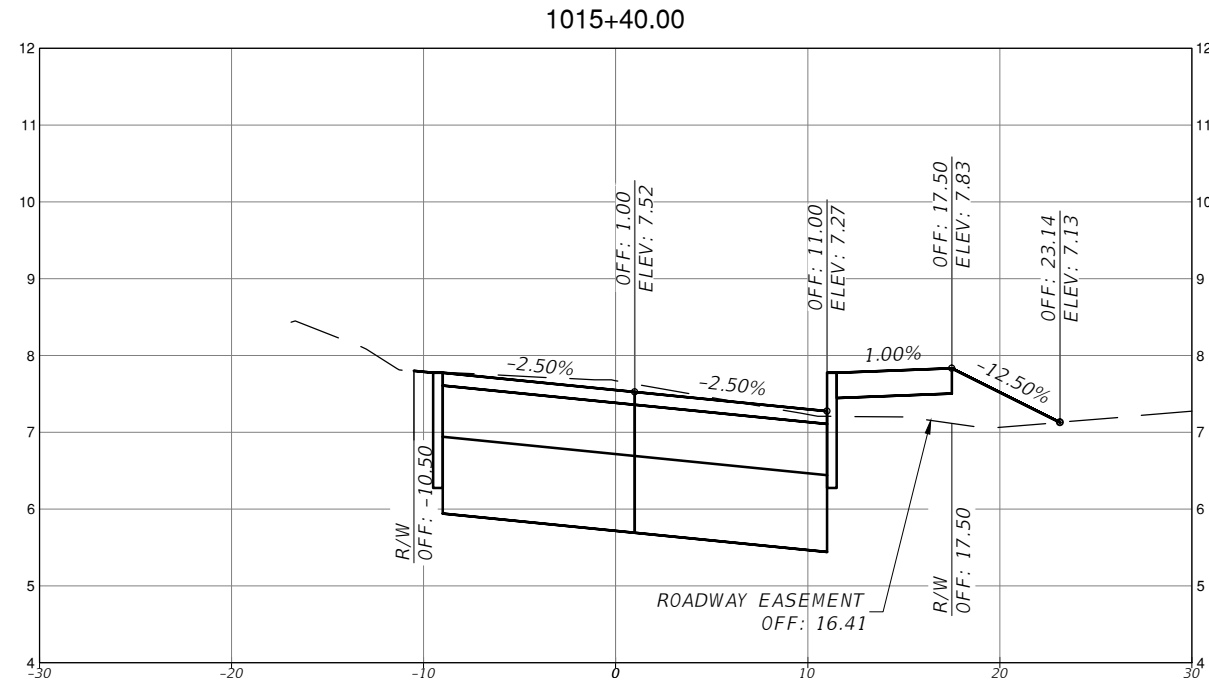
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TOWN OF MEDLEY
 DEPARTMENT OF ENGINEERING
 PROJECT STREET: NW S RIVER DRIVE
 COUNTY: MIAMI-DADE

ROADWAY PAVEMENT
 CROSS SECTIONS
 (13 OF 30)

SHEET NO.
 C-7.13



SCALE
1" = 10' HORIZONTAL
1" = 1' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



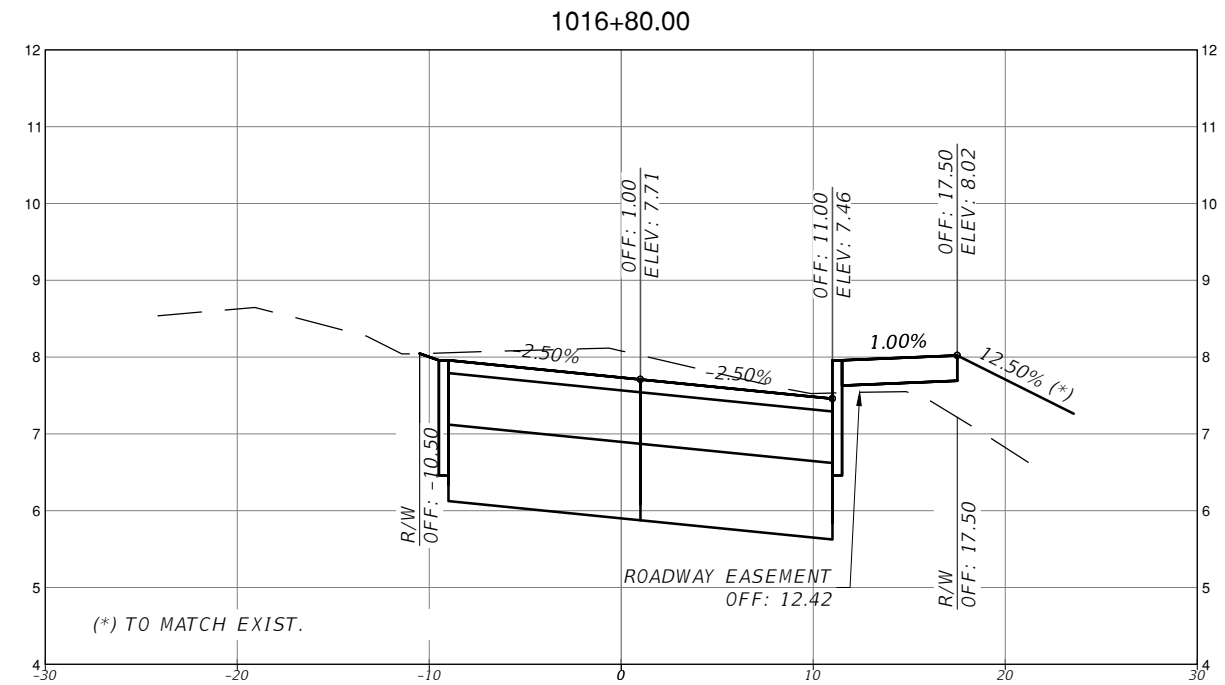
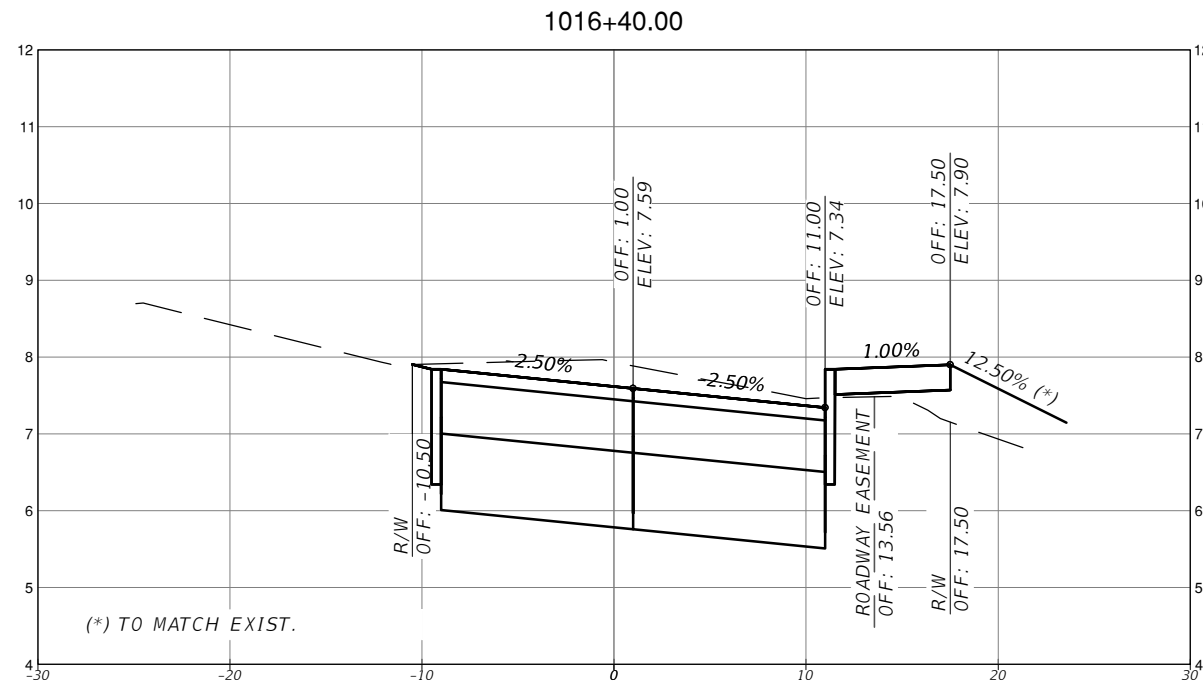
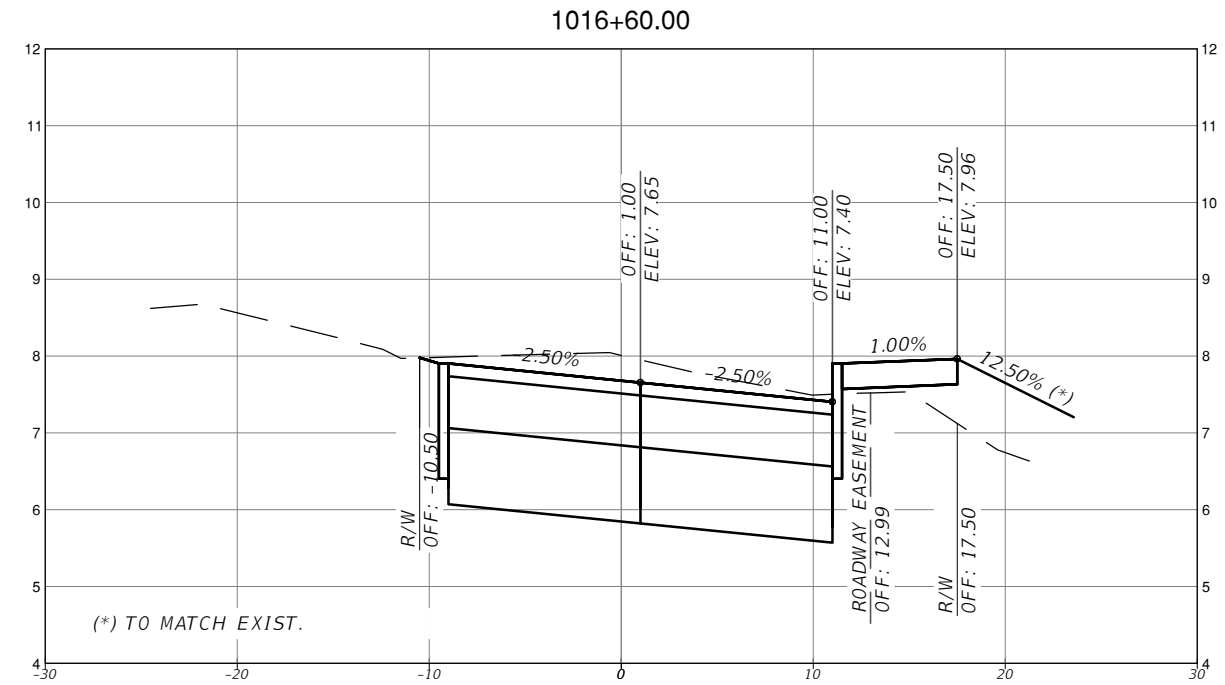
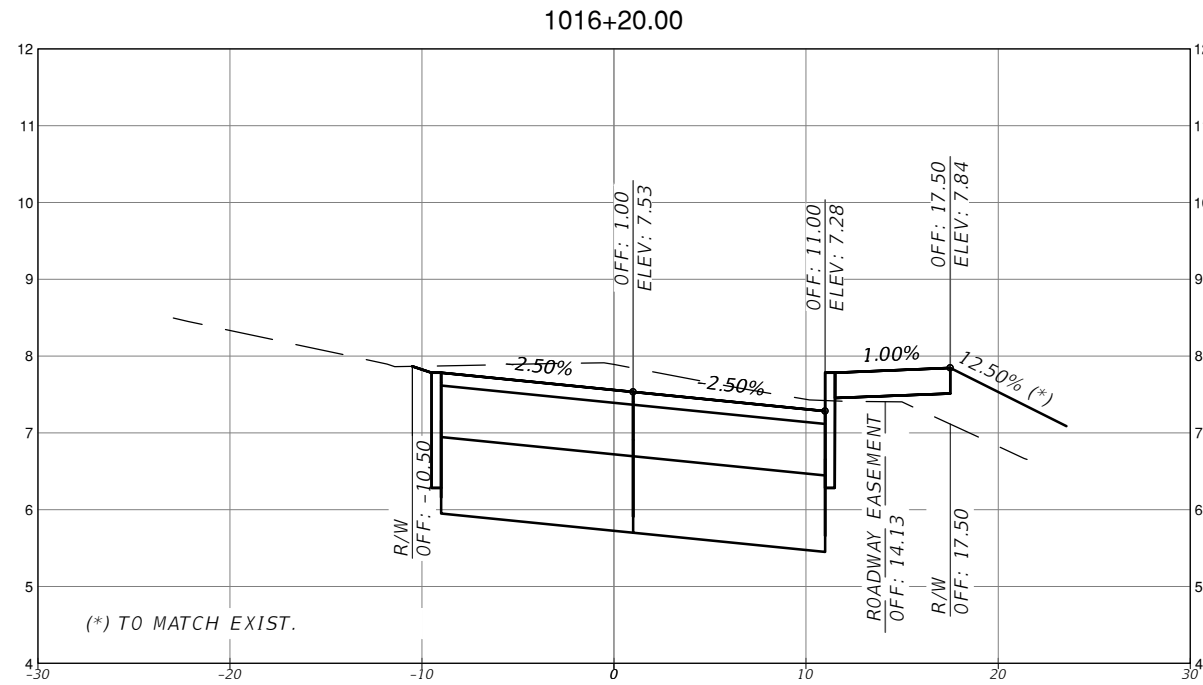
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TOWN OF MEDLEY
DEPARTMENT OF ENGINEERING
PROJECT STREET: NW S RIVER DRIVE
COUNTY: MIAMI-DADE

ROADWAY PAVEMENT
CROSS SECTIONS
(14 OF 30)

SHEET NO.
C-7.14



SCALE
 1" = 10' HORIZONTAL
 1" = 1' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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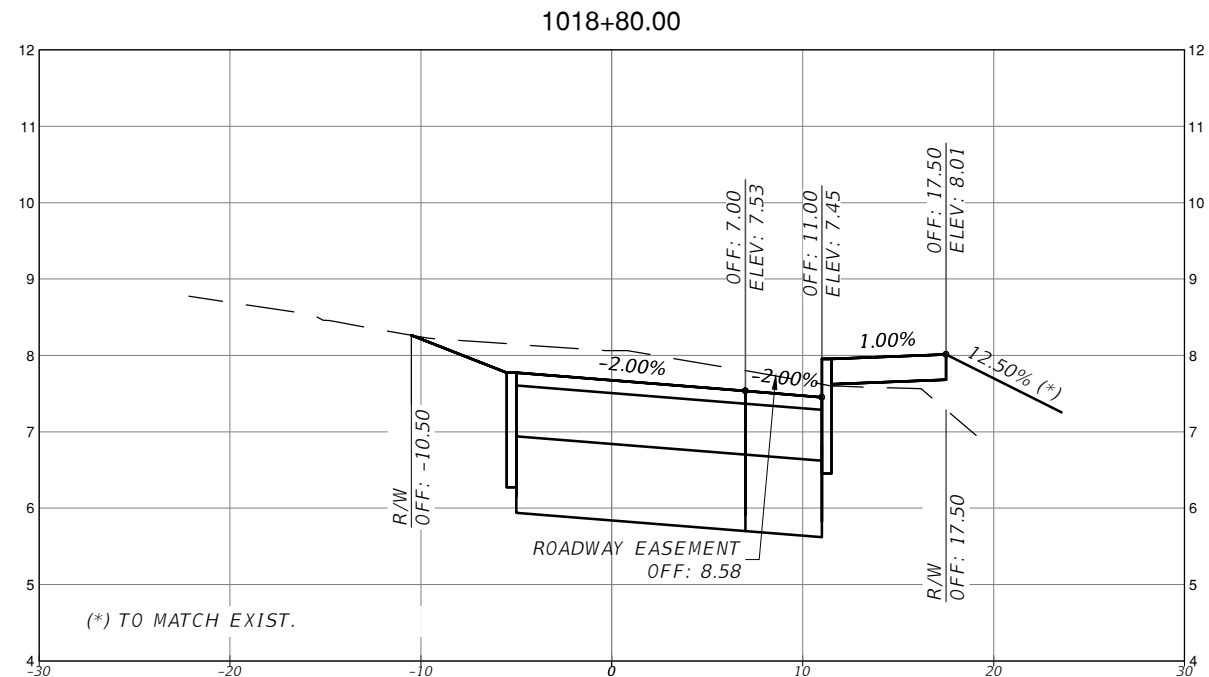
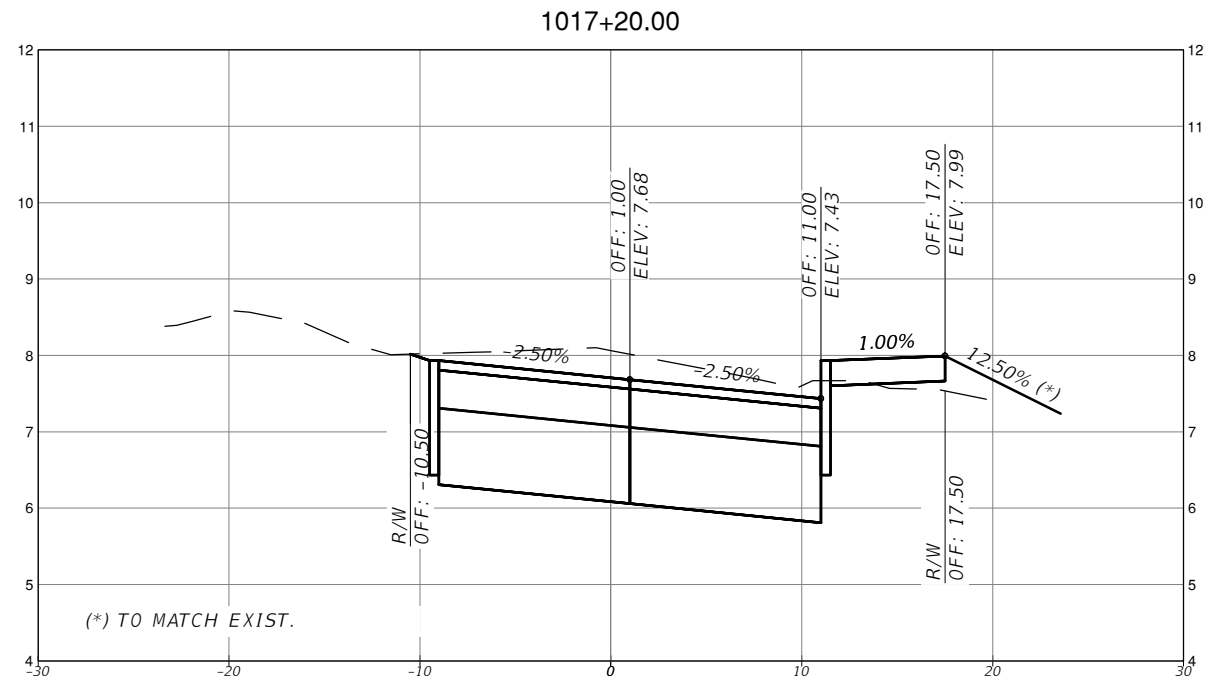
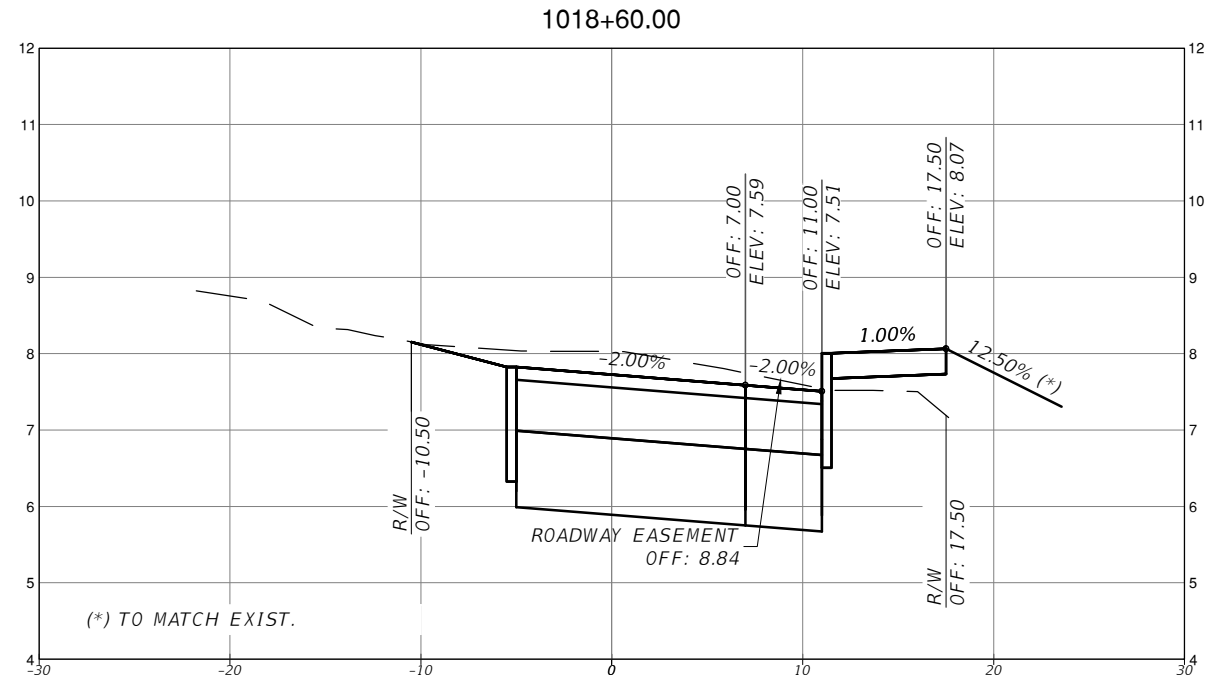
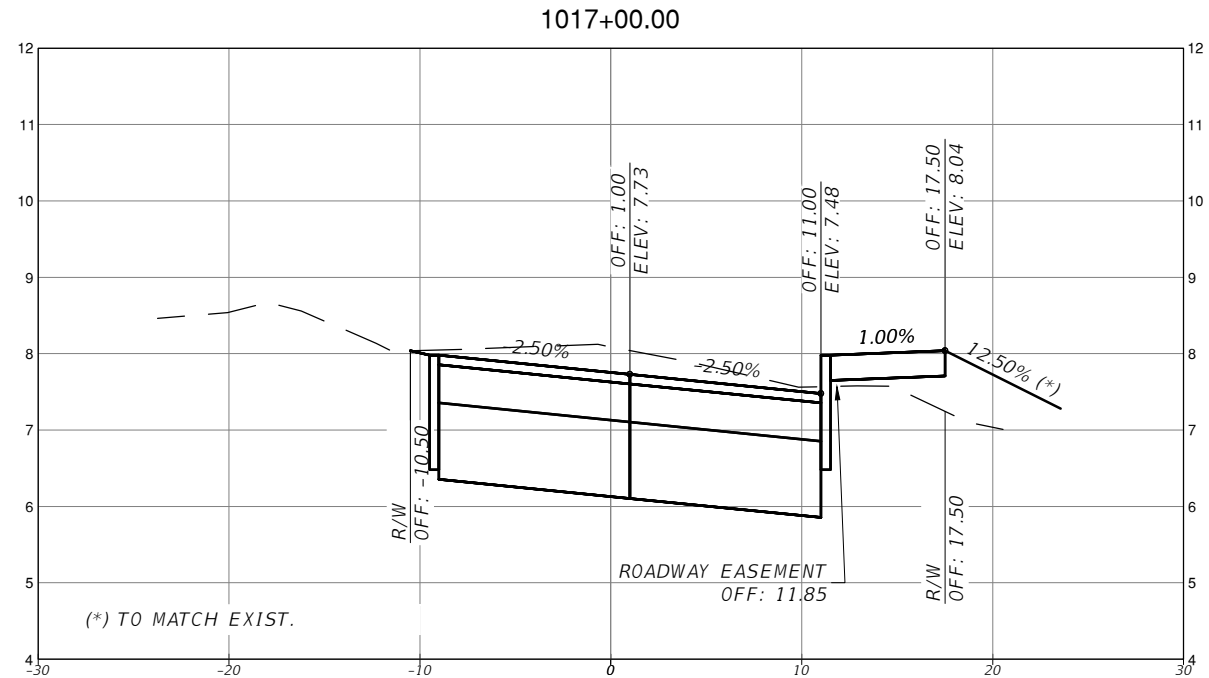


TOWN OF MEDLEY
 DEPARTMENT OF ENGINEERING

PROJECT STREET	COUNTY
NW S RIVER DRIVE	MIAMI-DADE

ROADWAY PAVEMENT
 CROSS SECTIONS
 (15 OF 30)

SHEET NO.
 C-7.15



SCALE
 1" = 10' HORIZONTAL
 1" = 1' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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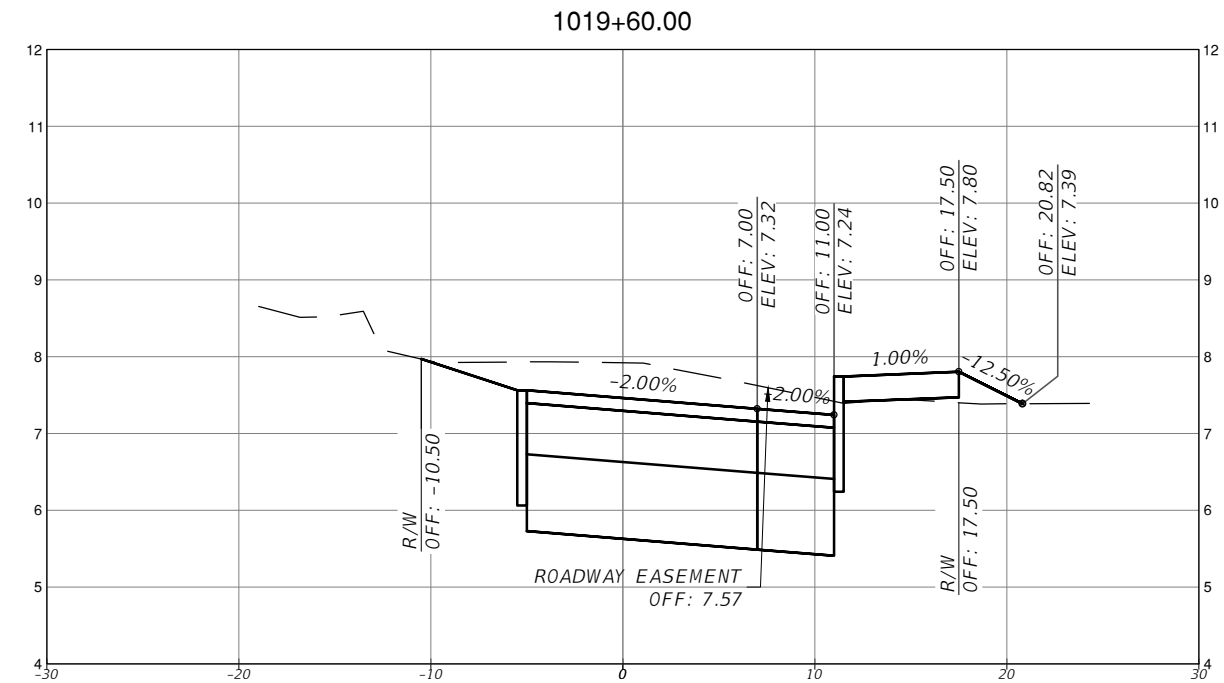
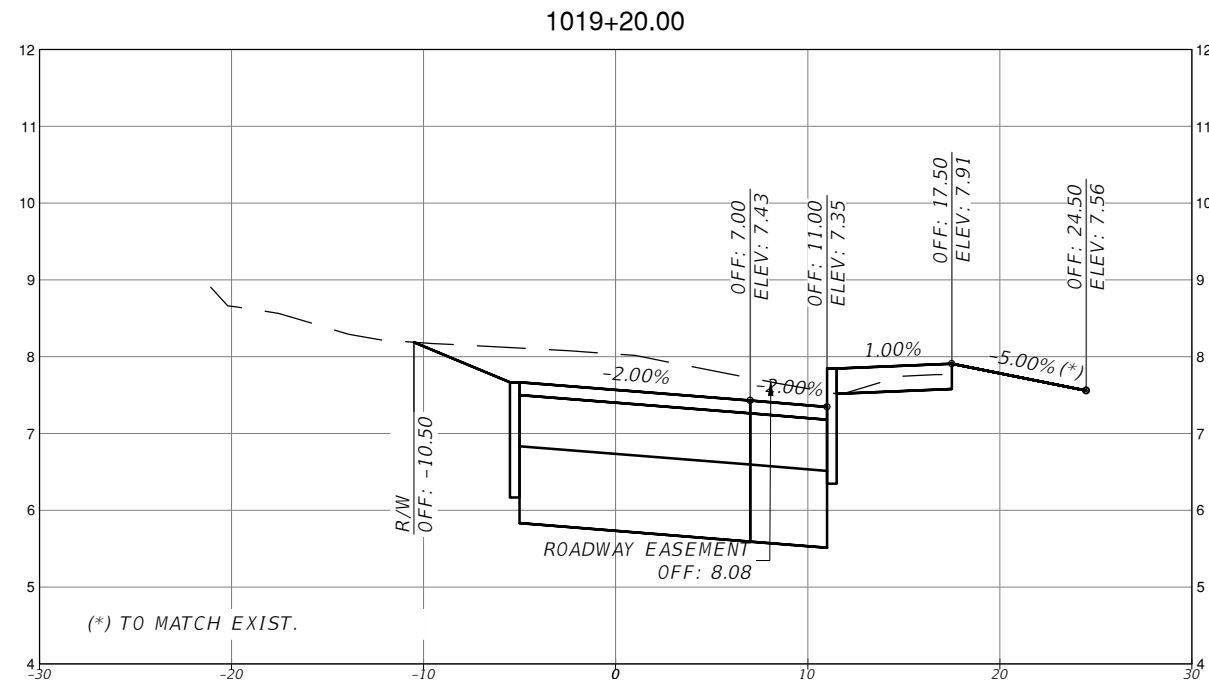
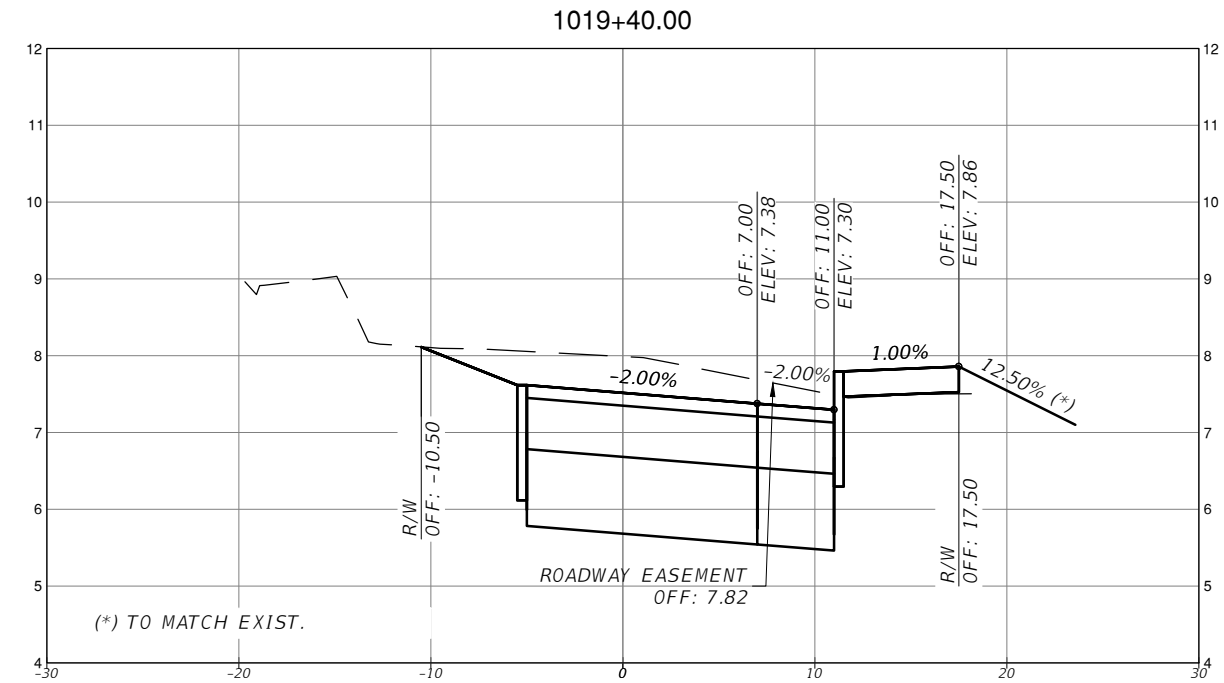
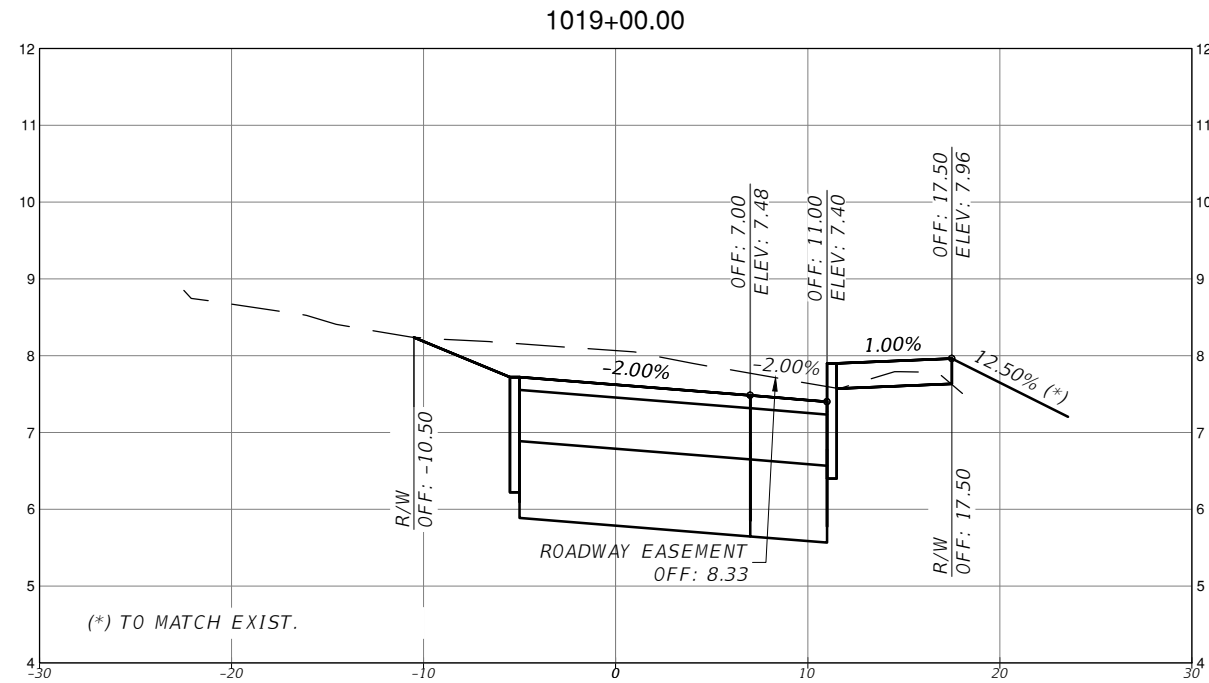


TOWN OF MEDLEY
 DEPARTMENT OF ENGINEERING

PROJECT STREET	COUNTY
NW S RIVER DRIVE	MIAMI-DADE

ROADWAY PAVEMENT
 CROSS SECTIONS
 (16 OF 30)

SHEET NO.
 C-7.16



SCALE
1" = 10' HORIZONTAL
1" = 1' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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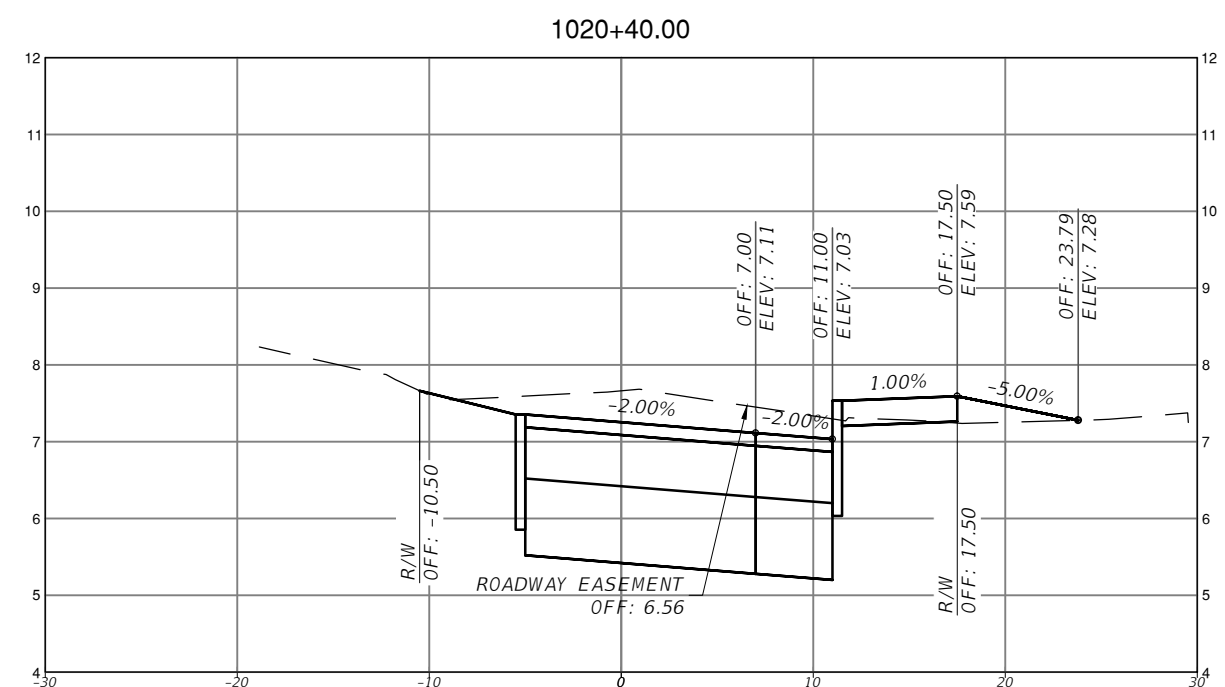
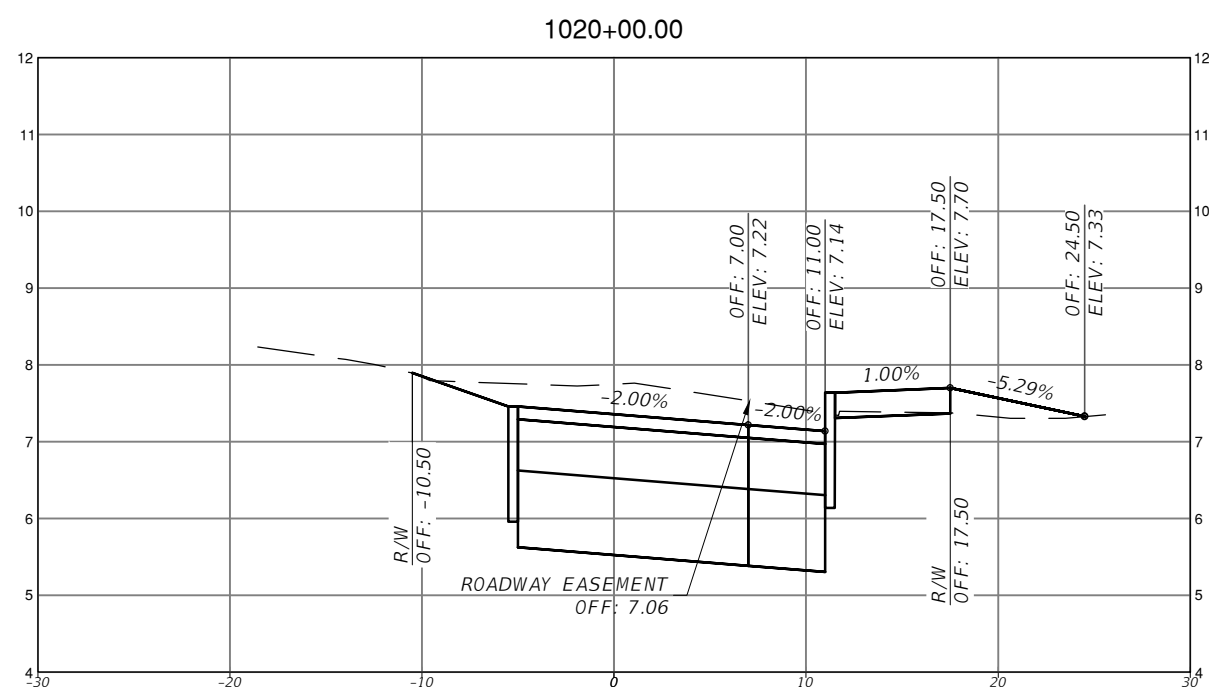
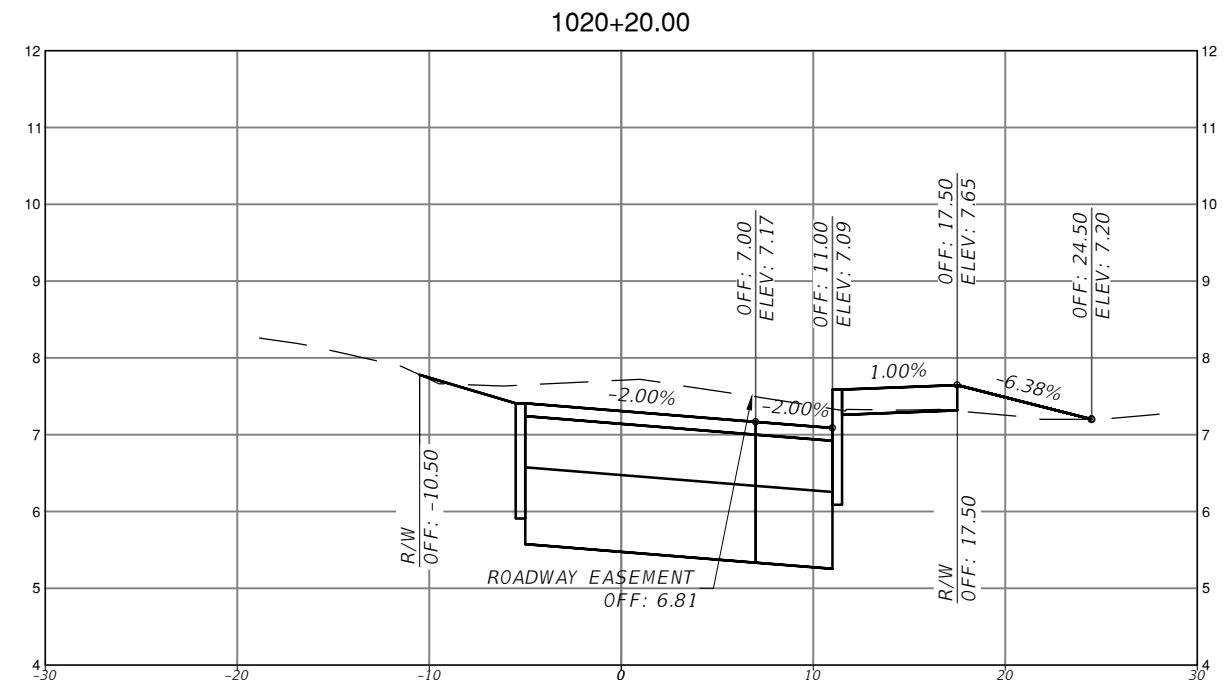
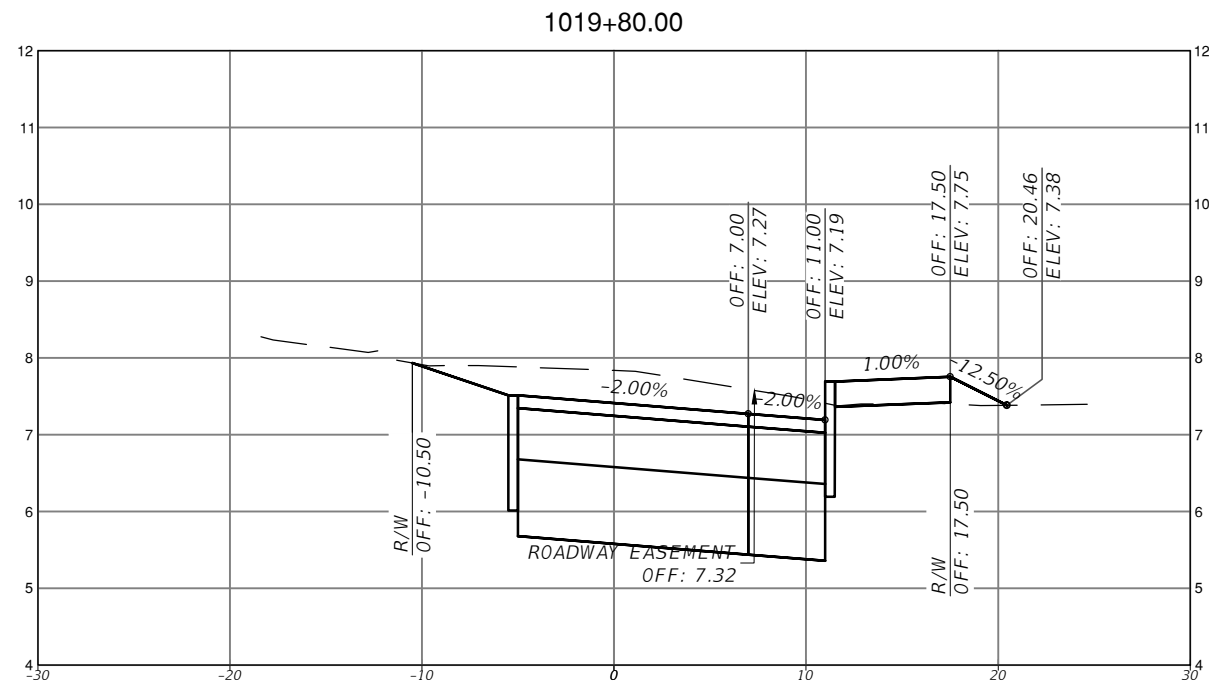
MICHAEL ADEIFE, P.E.
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MIAMI, FL 33126
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TOWN OF MEDLEY
DEPARTMENT OF ENGINEERING

PROJECT STREET: NW S RIVER DRIVE
COUNTY: MIAMI-DADE

**ROADWAY PAVEMENT
CROSS SECTIONS
(17 OF 30)**

SHEET NO.
C-7.17



SCALE
 1" = 10' HORIZONTAL
 1" = 1' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 EAC Consulting, Inc.
 CA.# 7011

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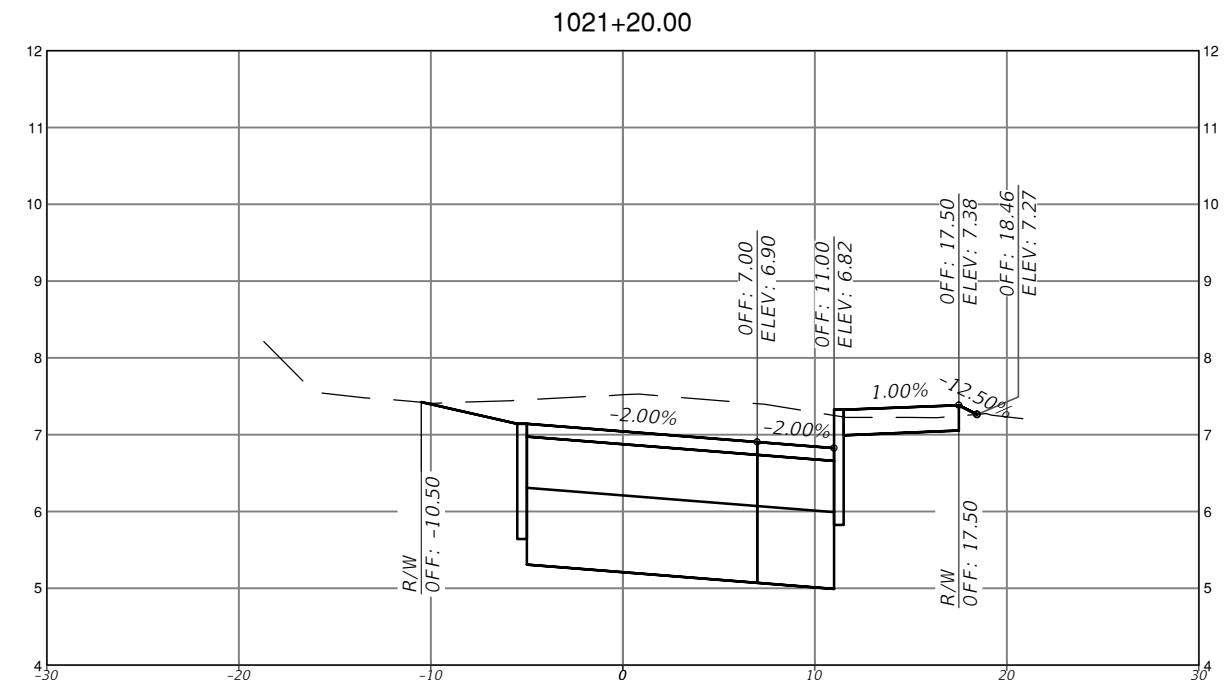
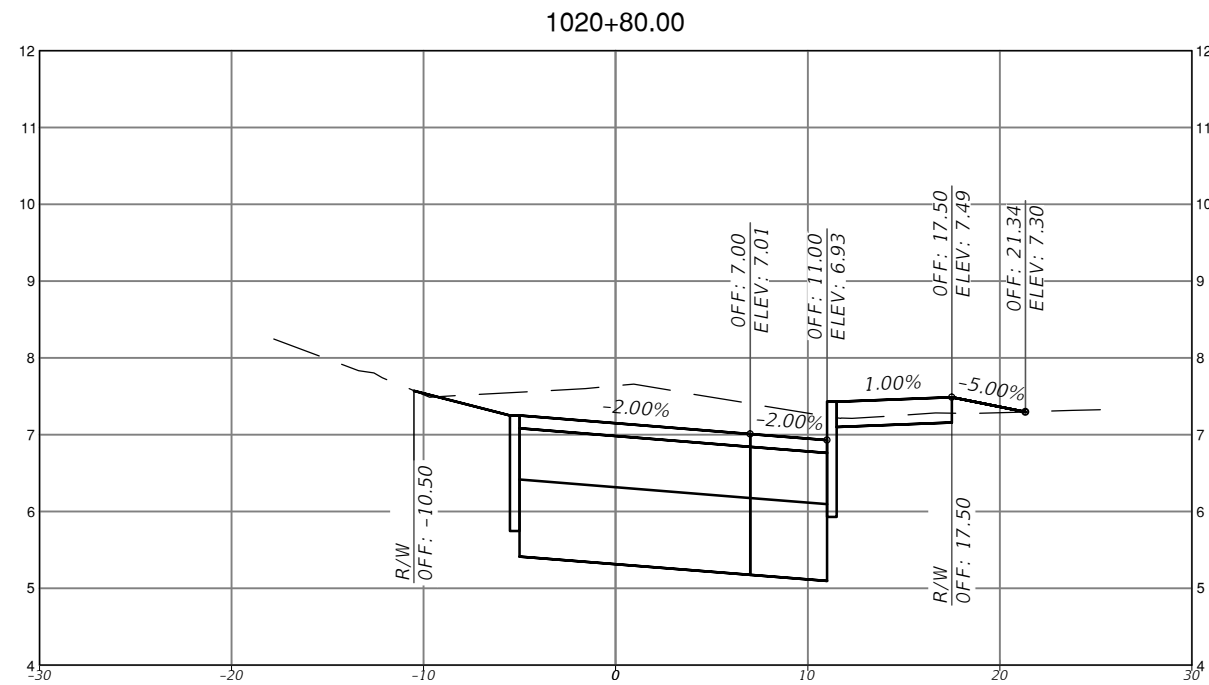
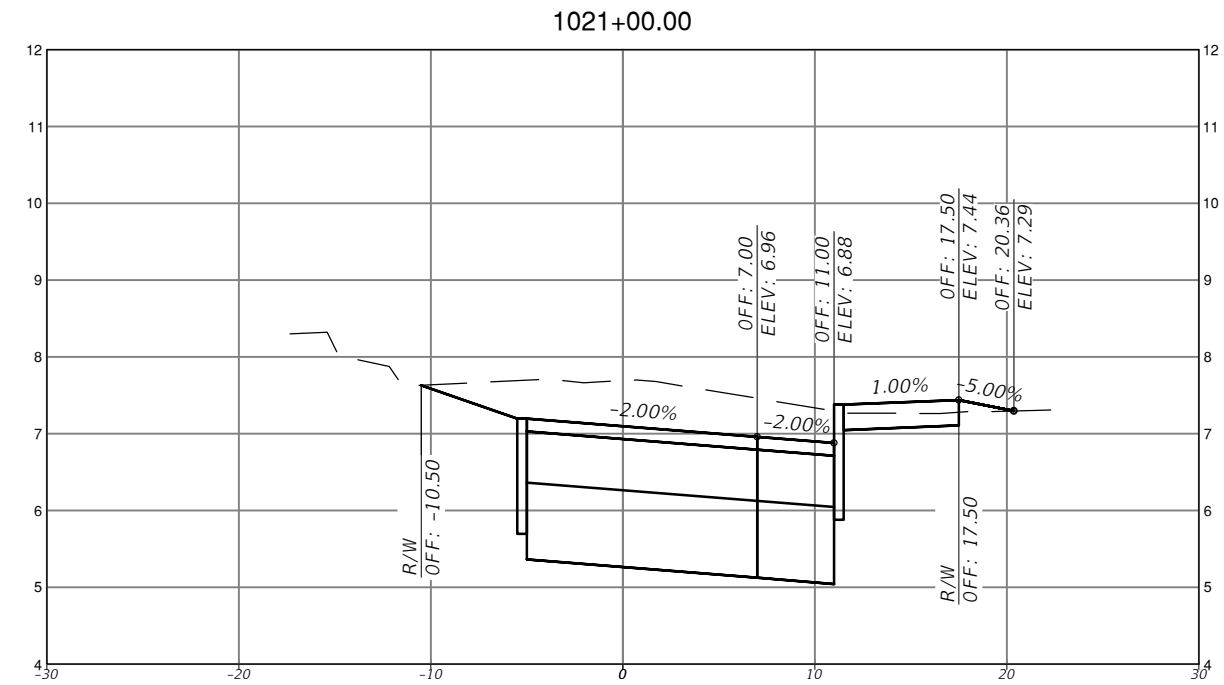
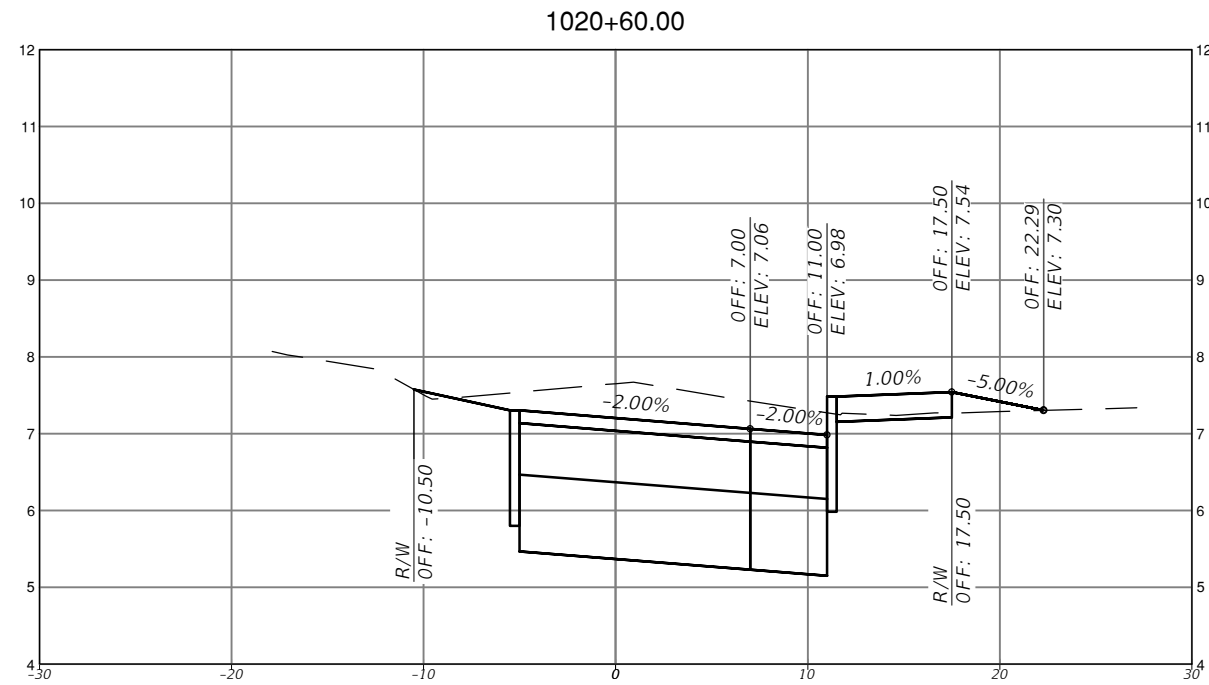


TOWN OF MEDLEY
 DEPARTMENT OF ENGINEERING

PROJECT STREET	COUNTY
NW S RIVER DRIVE	MIAMI-DADE

ROADWAY PAVEMENT
 CROSS SECTIONS
 (18 OF 30)

SHEET NO.
 C-7.18



SCALE
 1" = 10' HORIZONTAL
 1" = 1' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



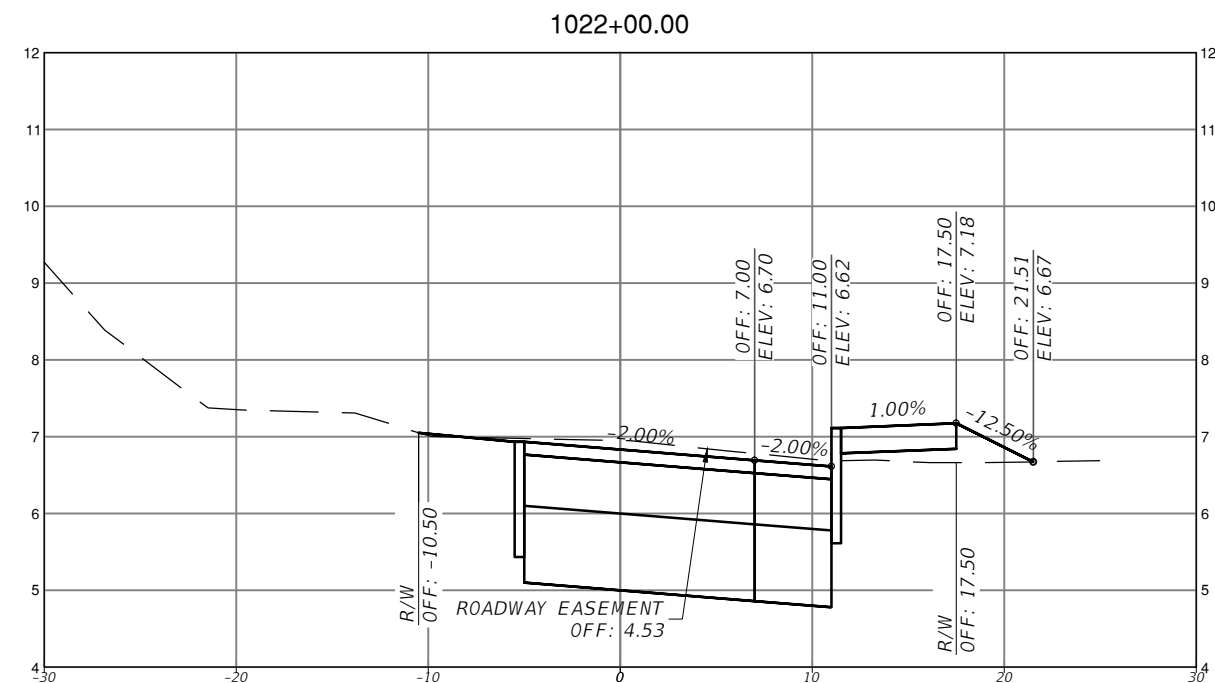
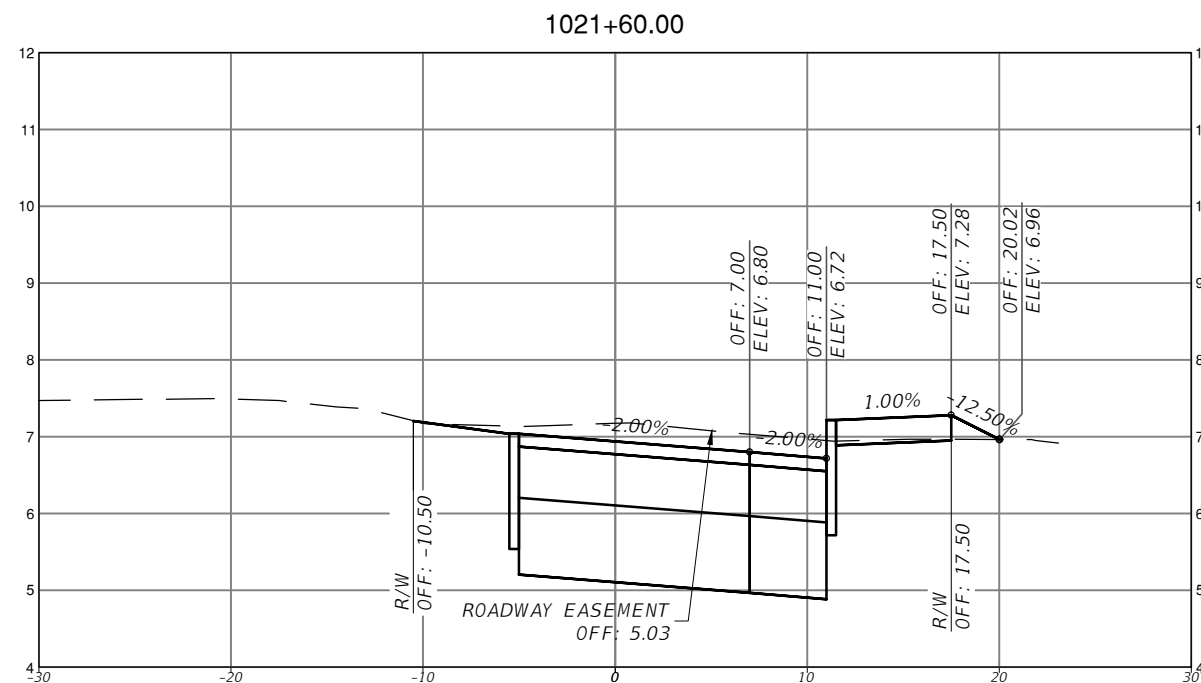
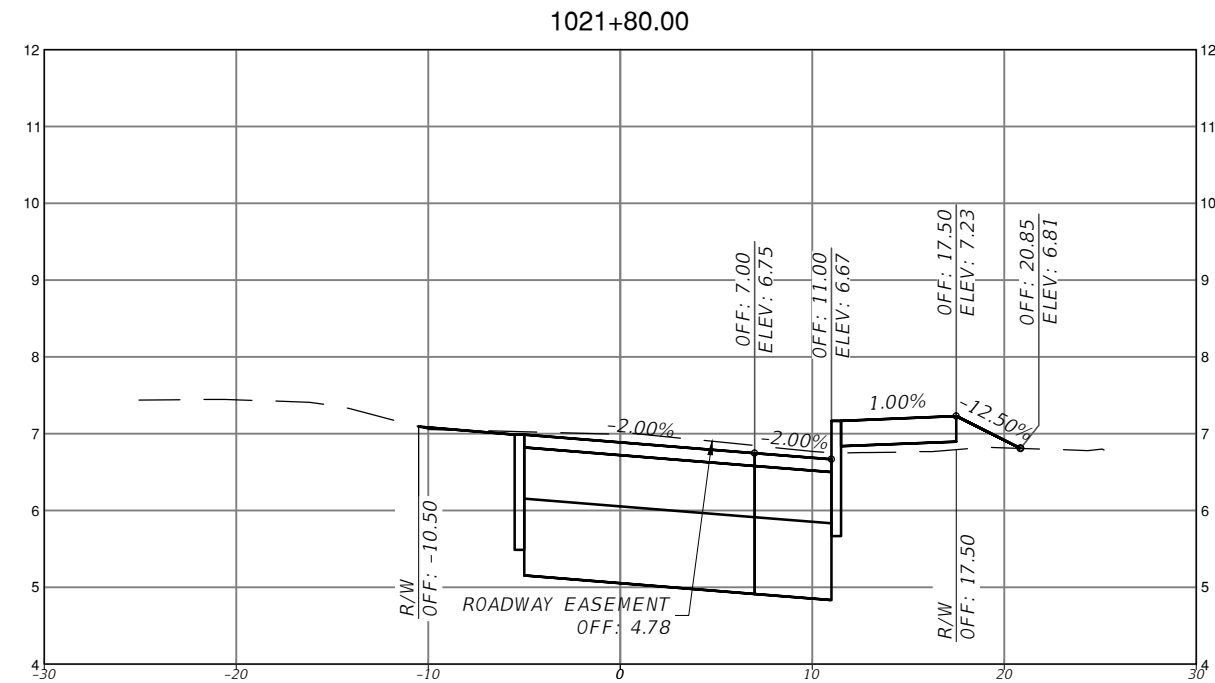
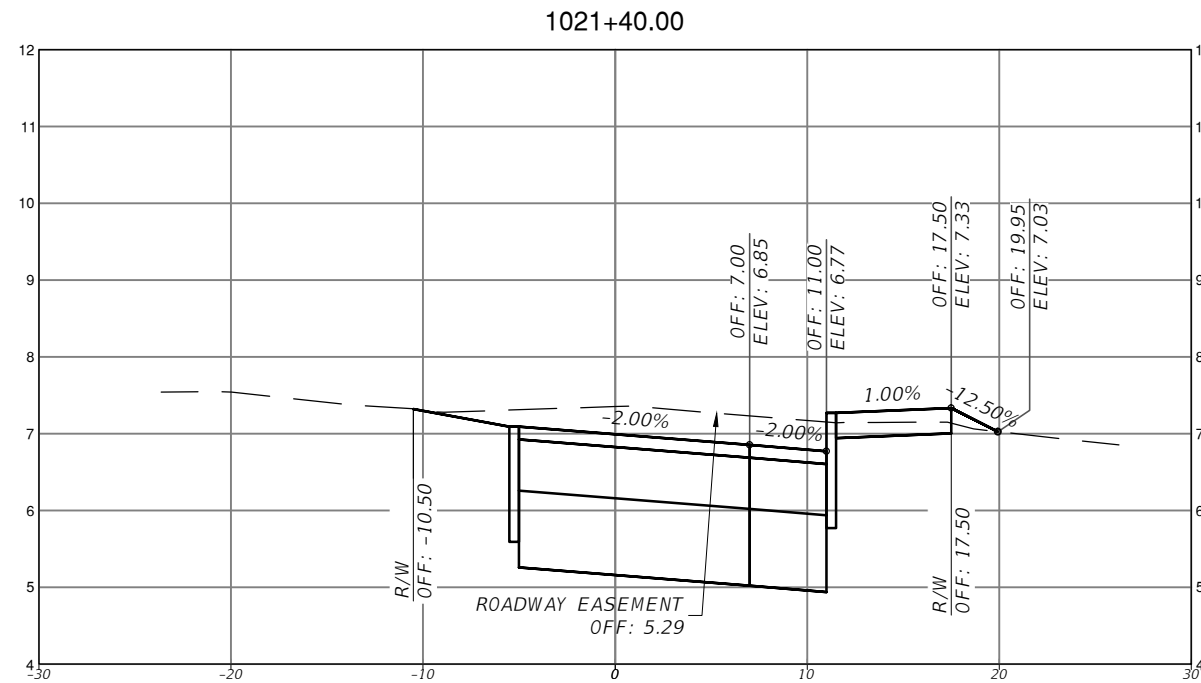
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TOWN OF MEDLEY
 DEPARTMENT OF ENGINEERING
 PROJECT STREET: NW S RIVER DRIVE
 COUNTY: MIAMI-DADE

ROADWAY PAVEMENT
 CROSS SECTIONS
 (19 OF 30)

SHEET NO.
 C-7.19

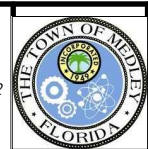


SCALE
 1" = 10' HORIZONTAL
 1" = 1' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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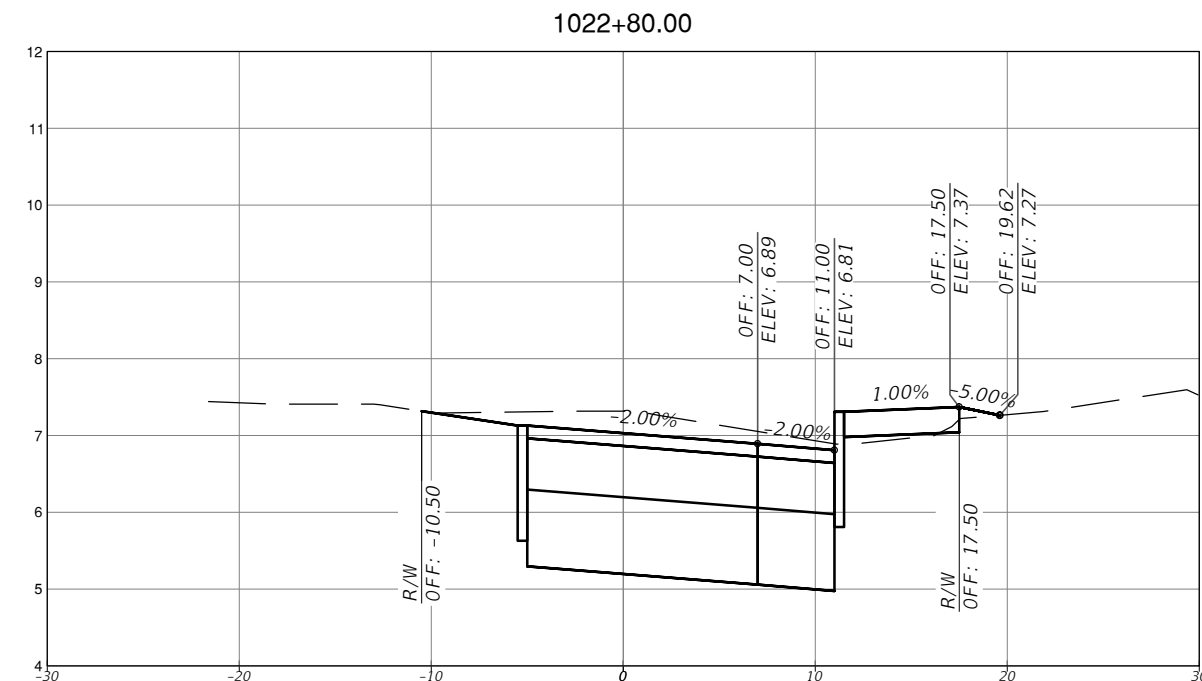
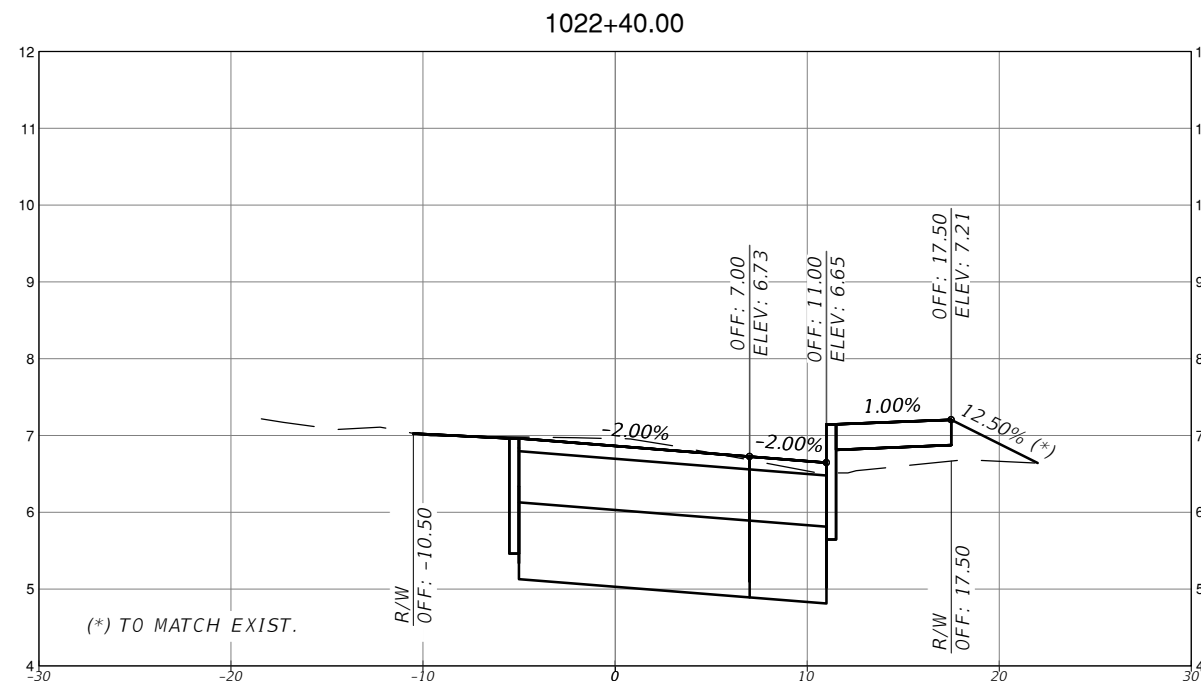
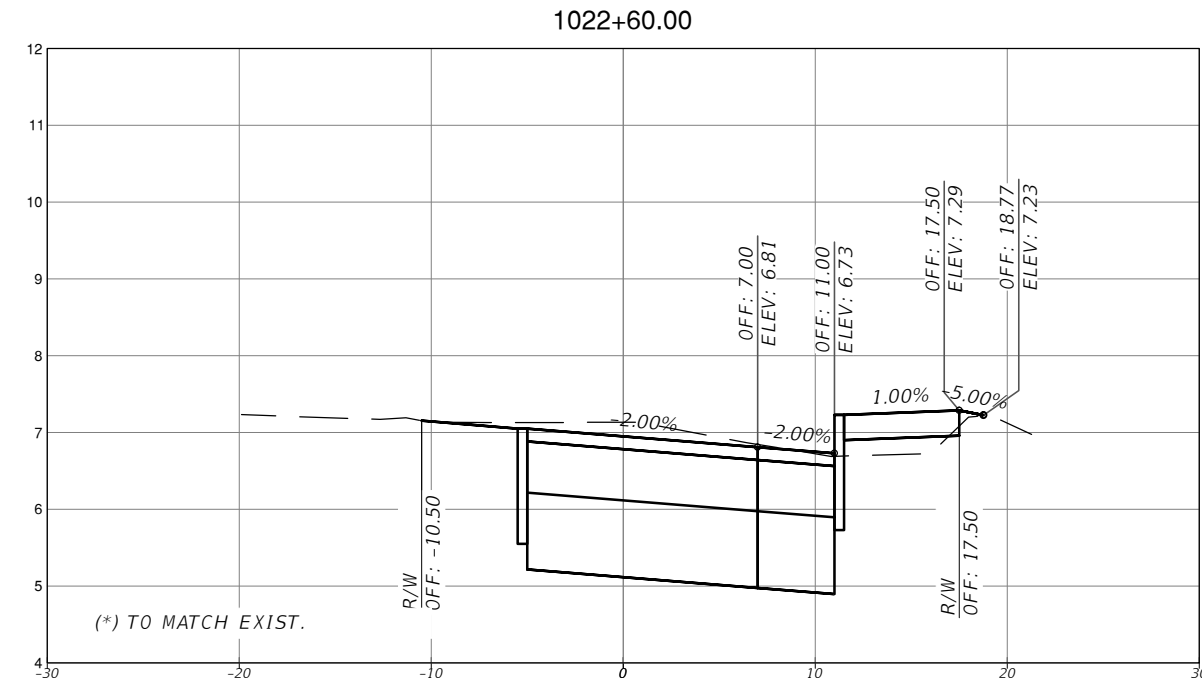
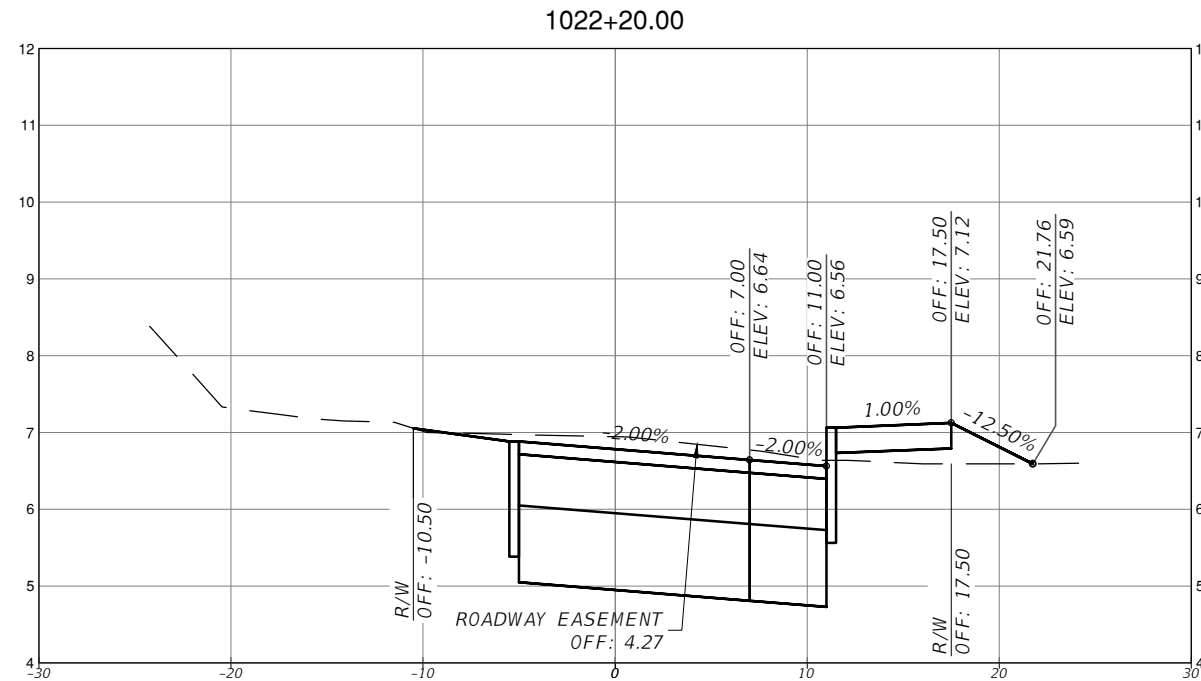


TOWN OF MEDLEY
 DEPARTMENT OF ENGINEERING

PROJECT STREET	COUNTY
NW S RIVER DRIVE	MIAMI-DADE

ROADWAY PAVEMENT
 CROSS SECTIONS
 (20 OF 30)

SHEET NO.
 C-7.20



SCALE
1" = 10' HORIZONTAL
1" = 1' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



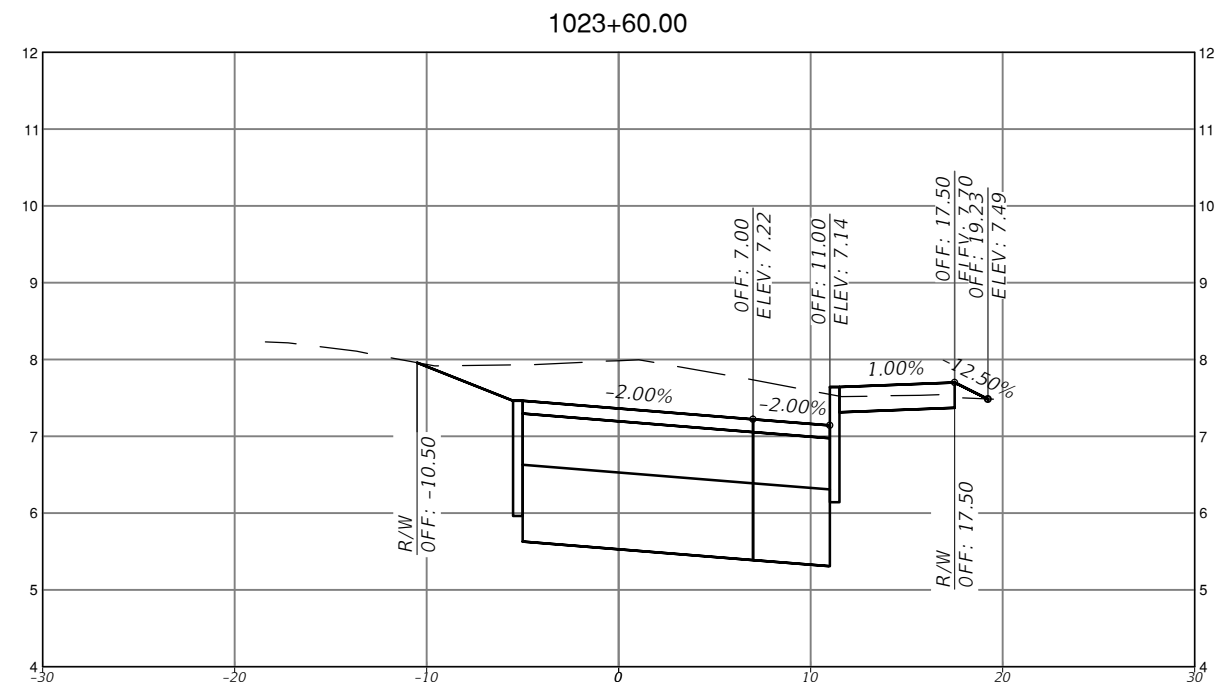
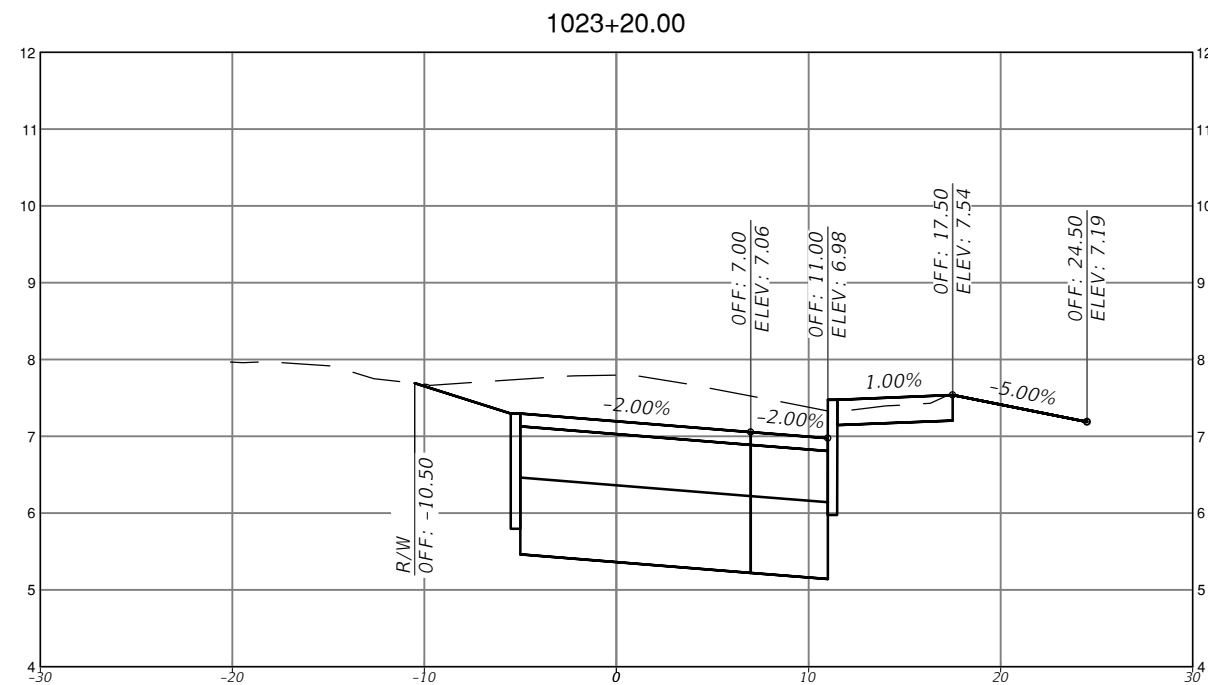
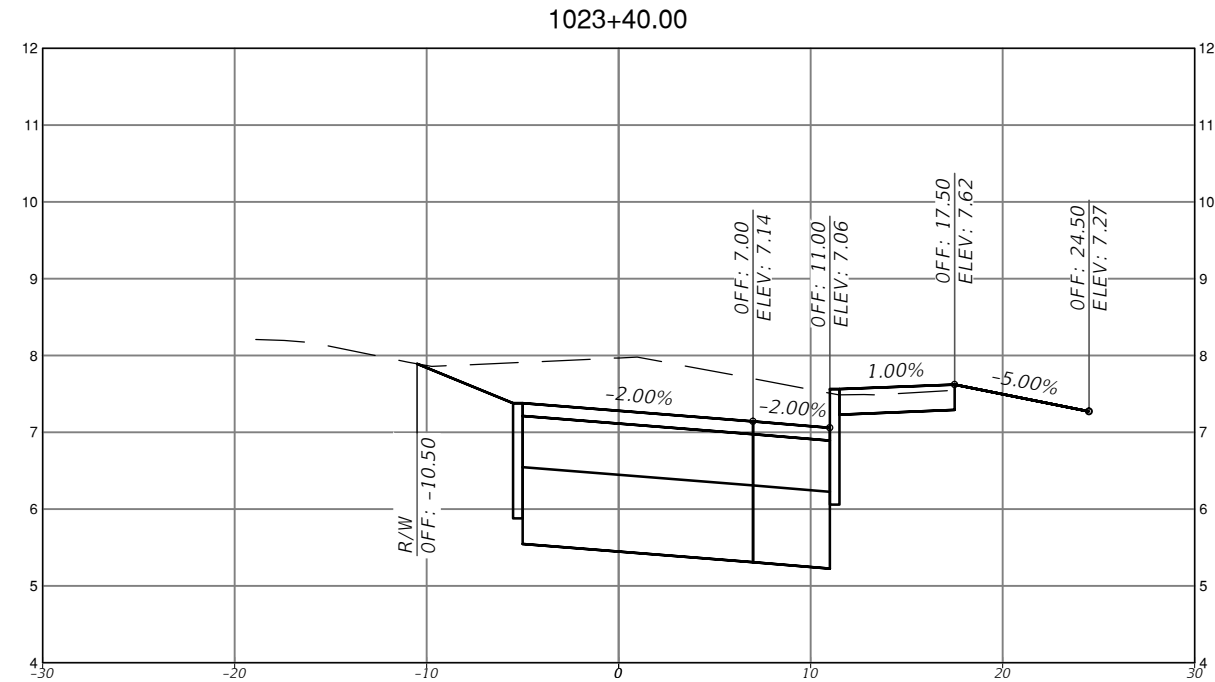
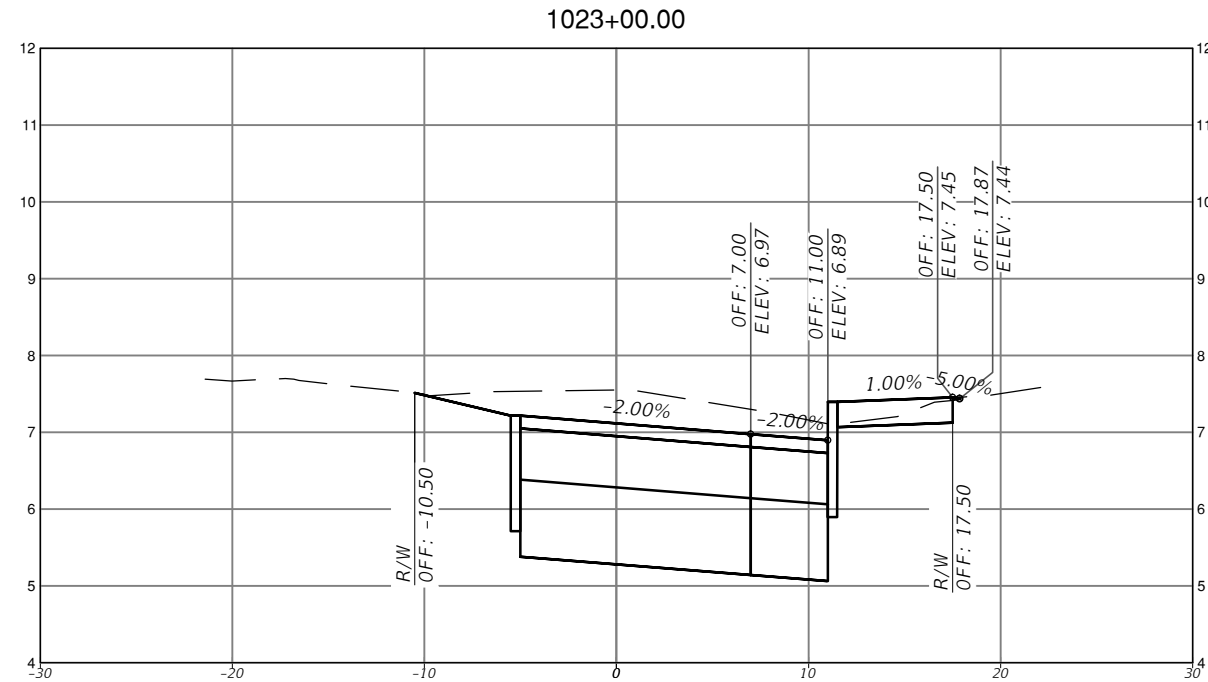
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TOWN OF MEDLEY
DEPARTMENT OF ENGINEERING
PROJECT STREET: NW S RIVER DRIVE
COUNTY: MIAMI-DADE

ROADWAY PAVEMENT
CROSS SECTIONS
(21 OF 30)

SHEET NO.
C-7.21



SCALE
 1" = 10' HORIZONTAL
 1" = 1' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



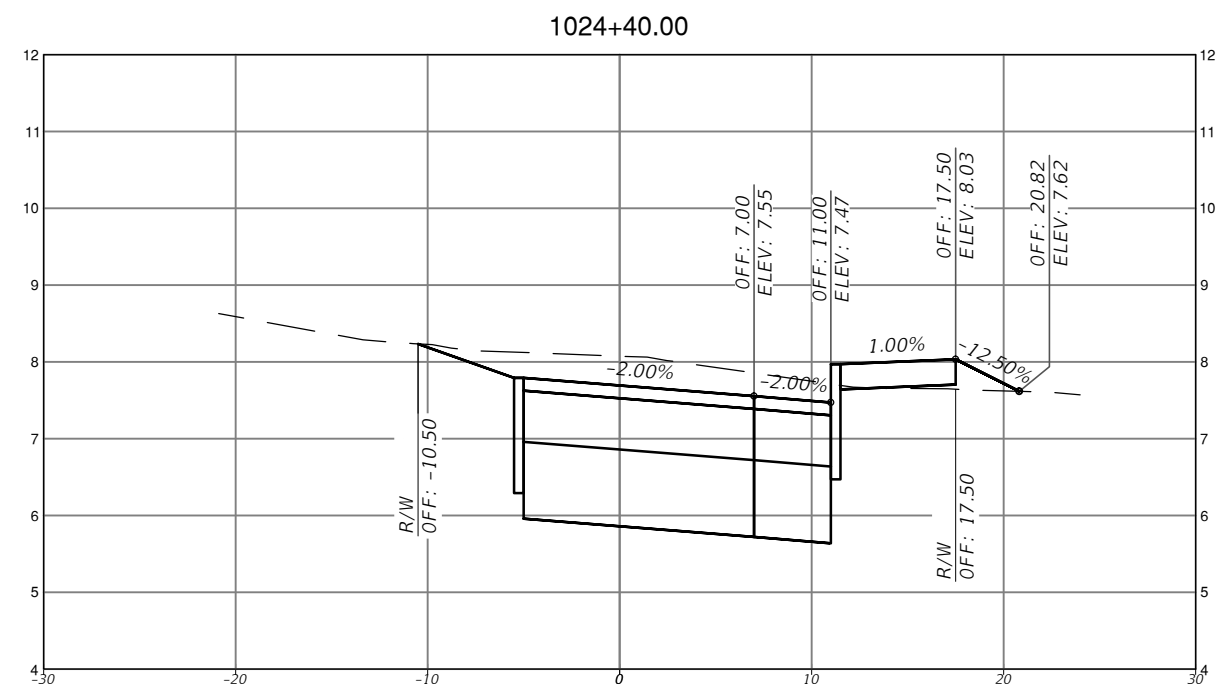
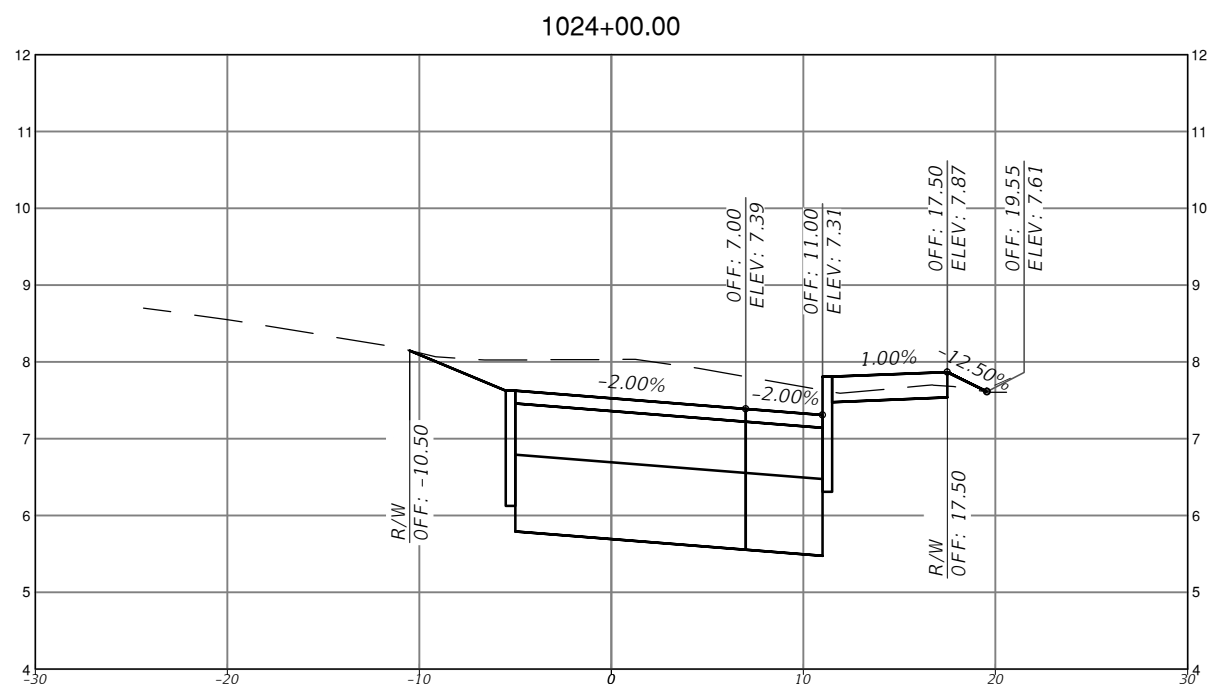
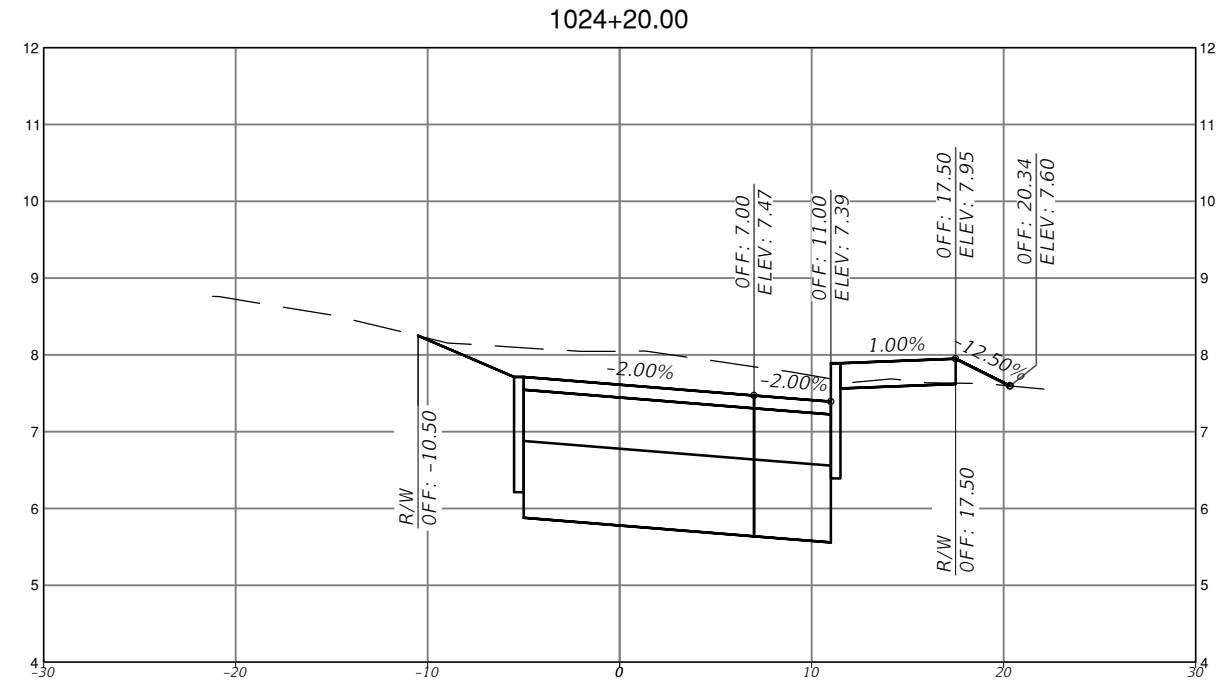
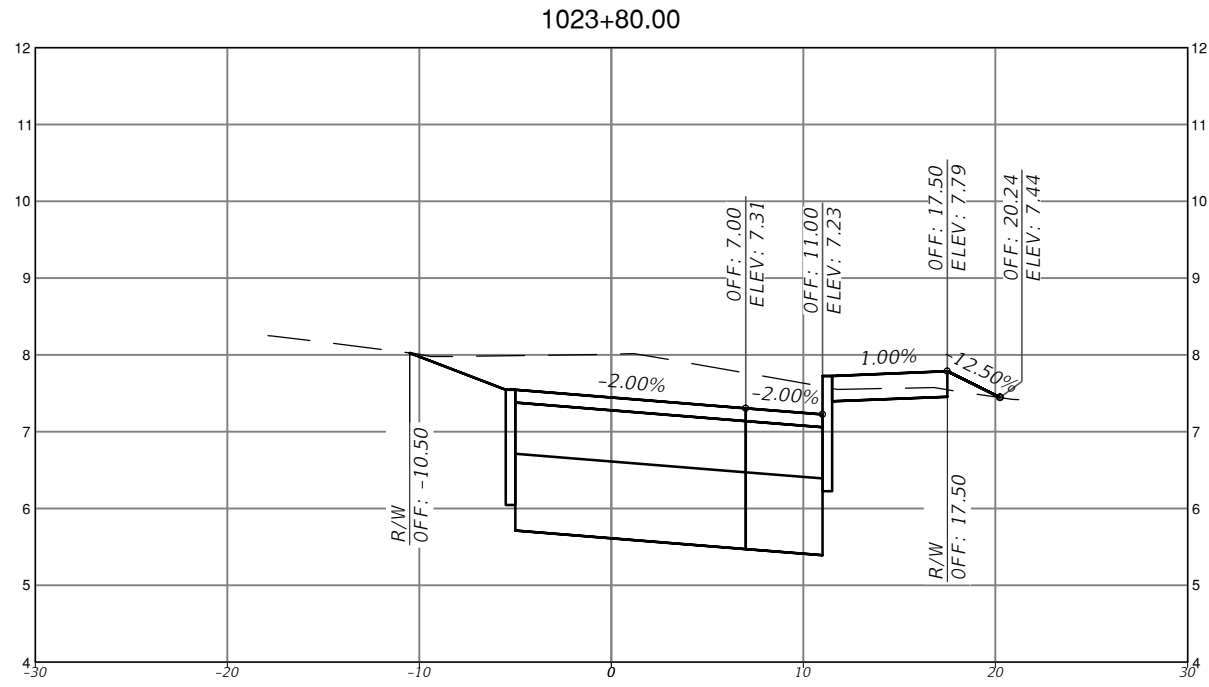
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TOWN OF MEDLEY
 DEPARTMENT OF ENGINEERING
 PROJECT STREET: NW S RIVER DRIVE
 COUNTY: MIAMI-DADE

ROADWAY PAVEMENT
 CROSS SECTIONS
 (22 OF 30)

SHEET NO.
 C-7.22

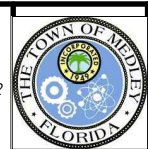


SCALE
 1" = 10' HORIZONTAL
 1" = 1' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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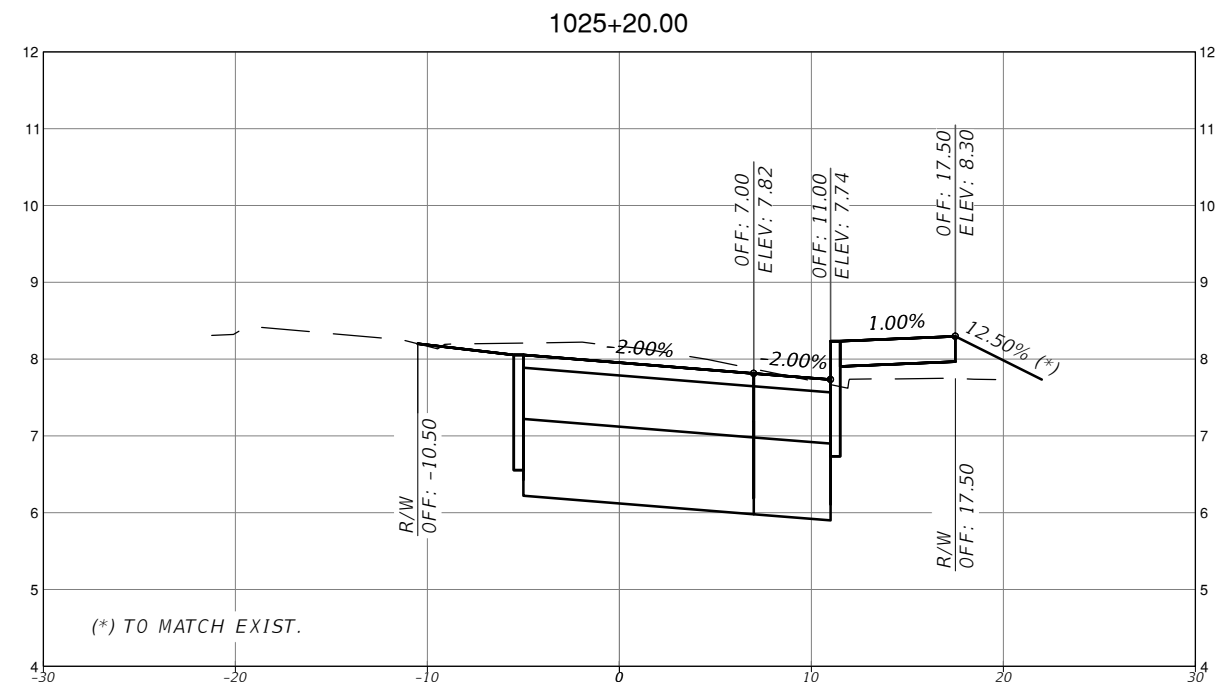
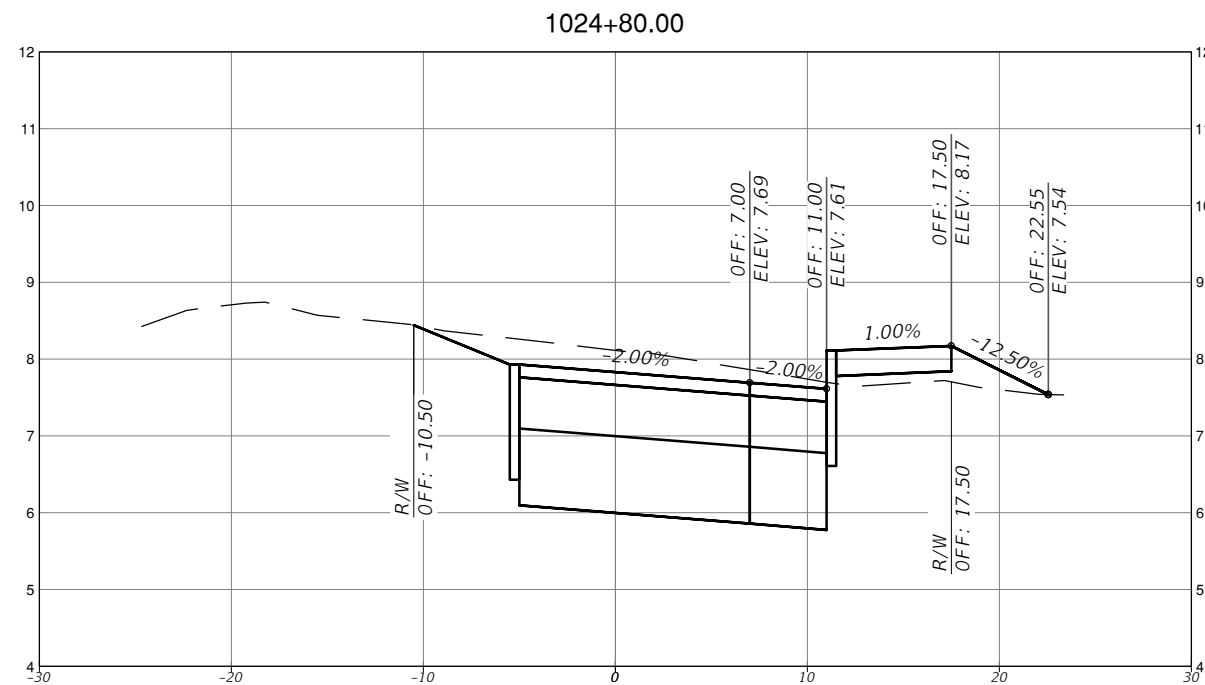
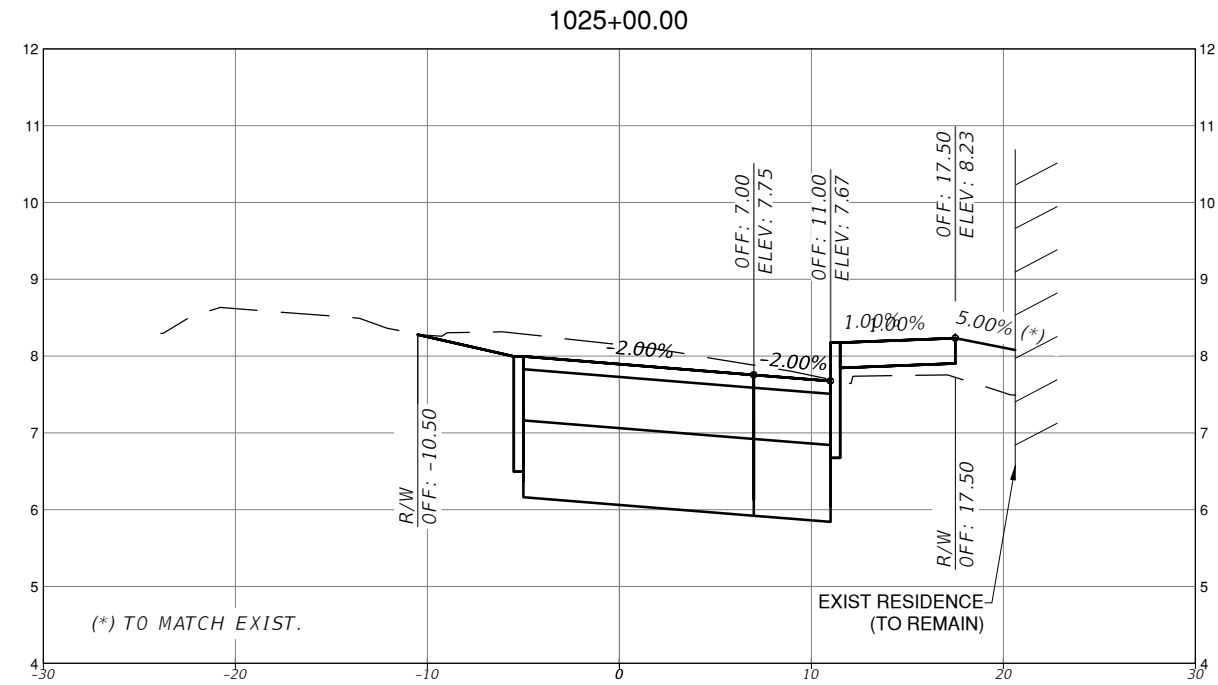
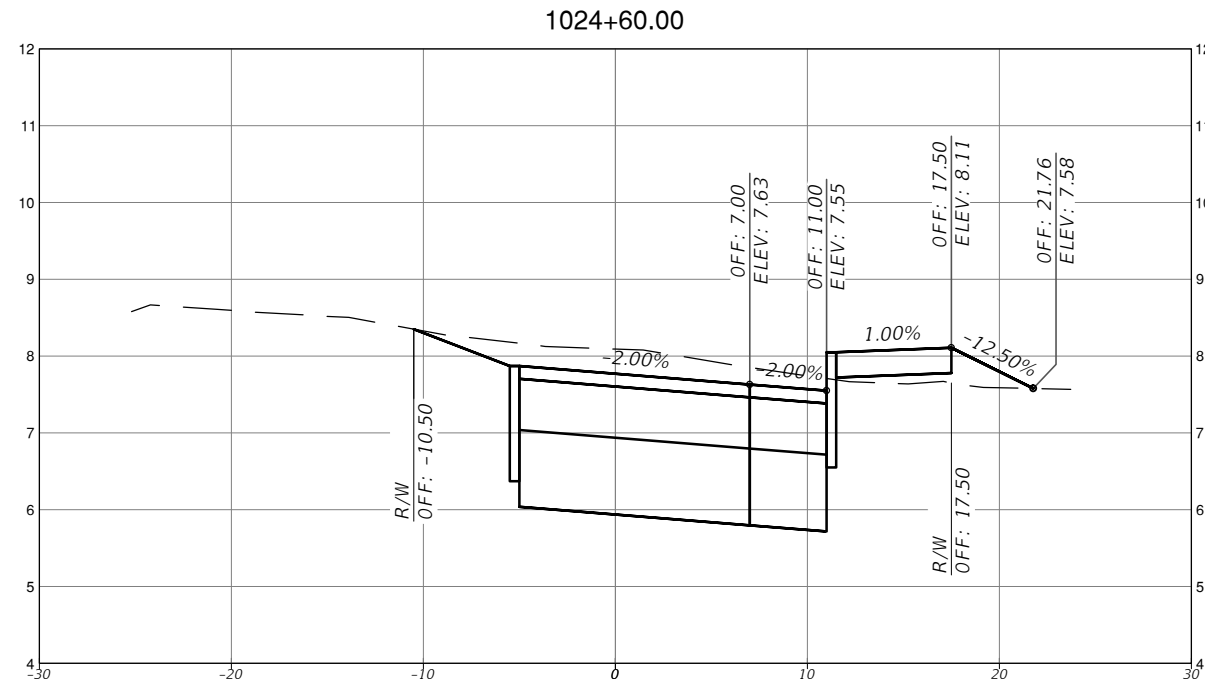


TOWN OF MEDLEY
 DEPARTMENT OF ENGINEERING

PROJECT STREET	COUNTY
NW S RIVER DRIVE	MIAMI-DADE

ROADWAY PAVEMENT
 CROSS SECTIONS
 (23 OF 30)

SHEET NO.
 C-7.23



SCALE
 1" = 10' HORIZONTAL
 1" = 1' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



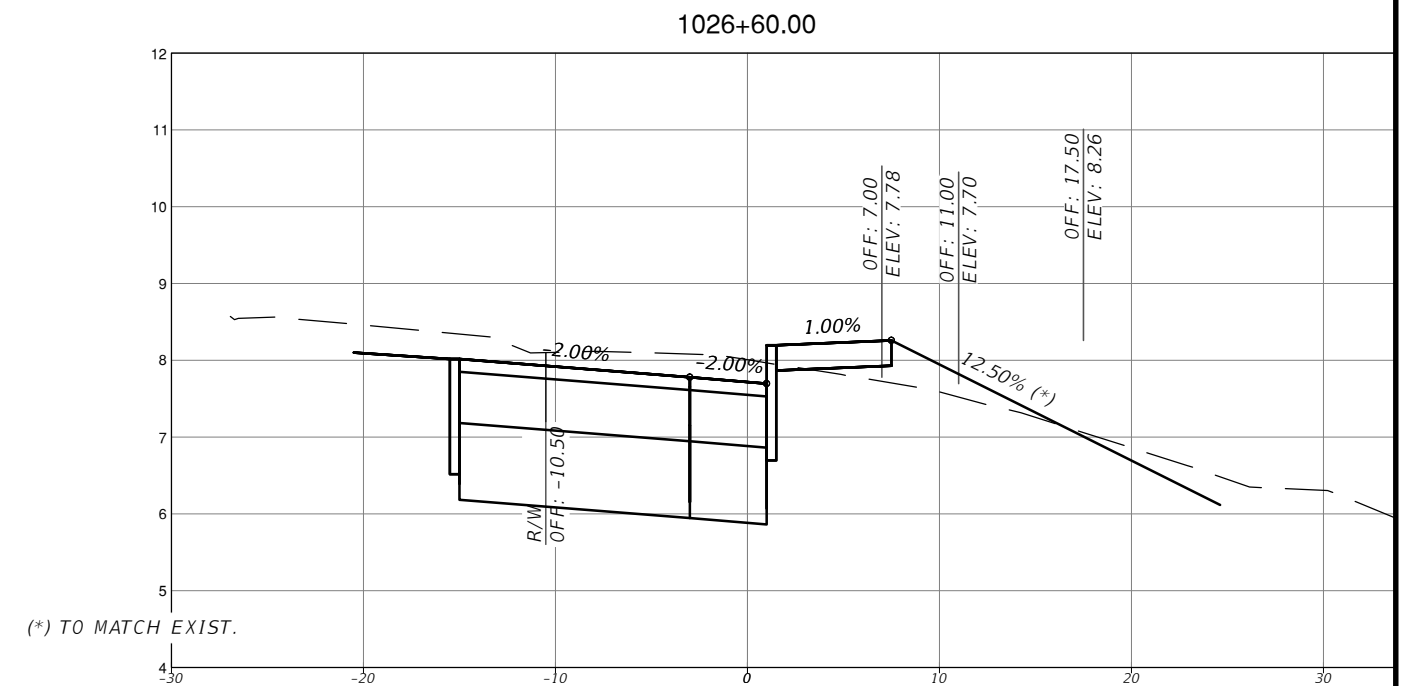
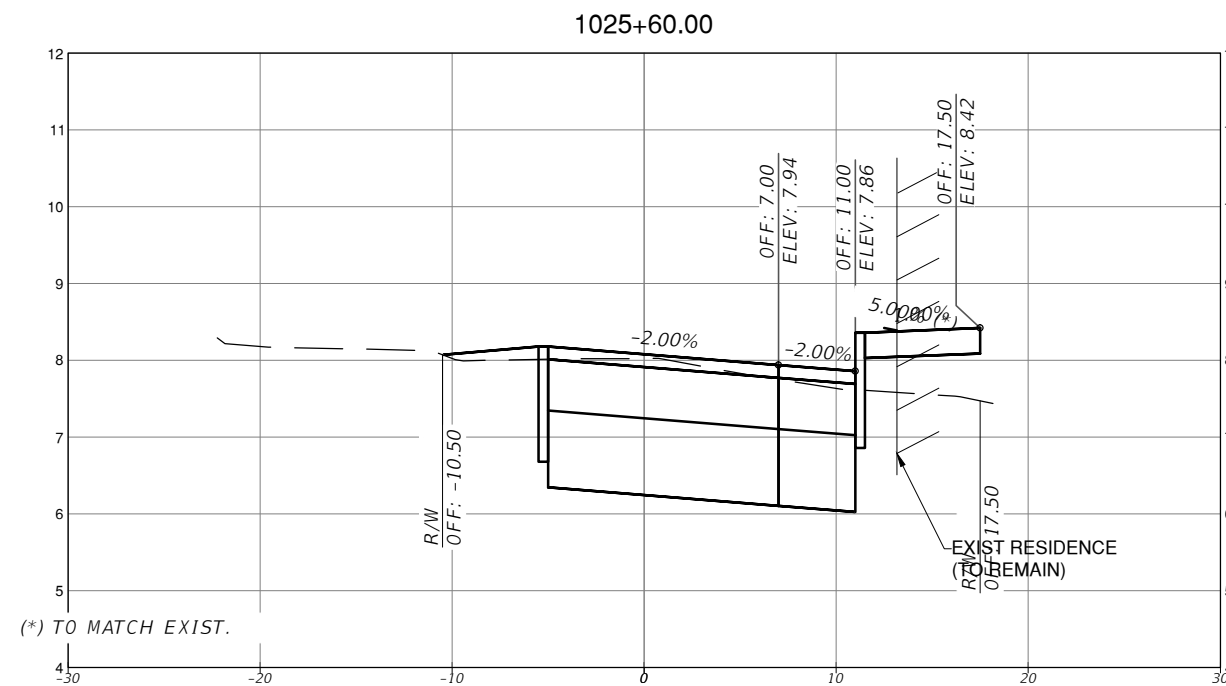
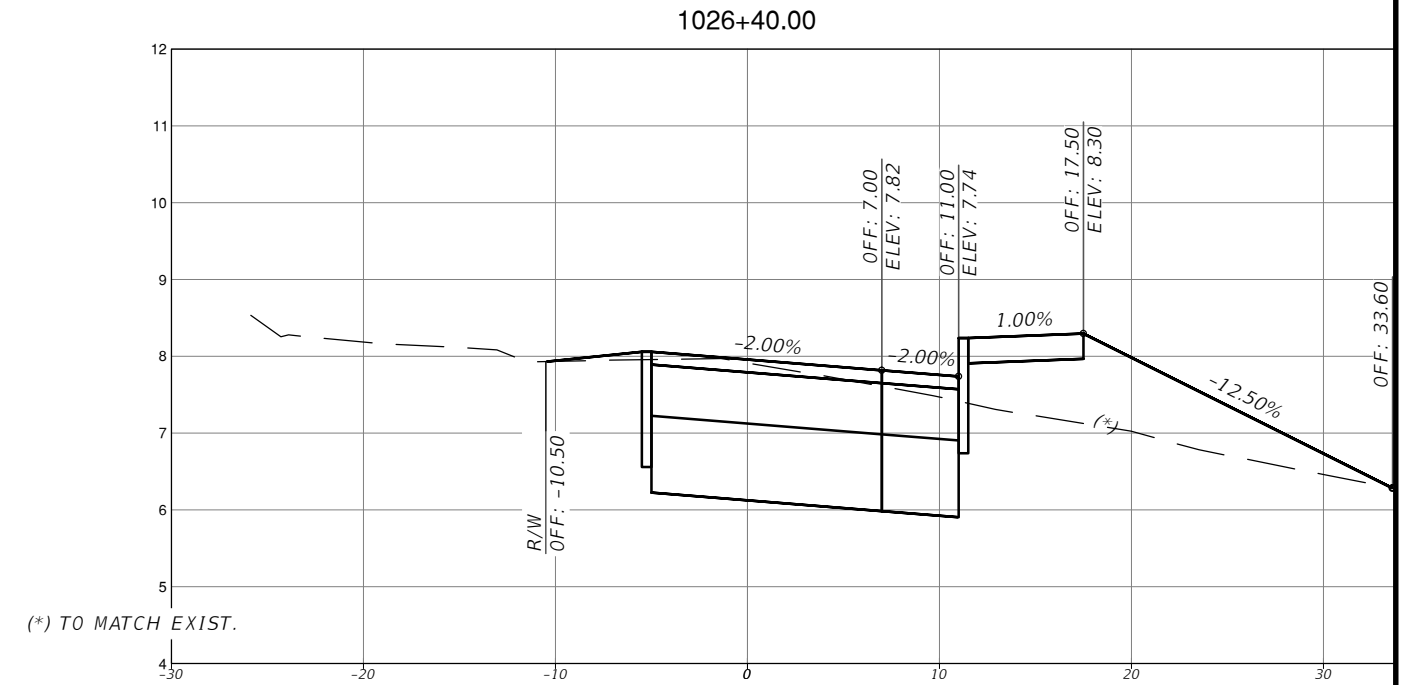
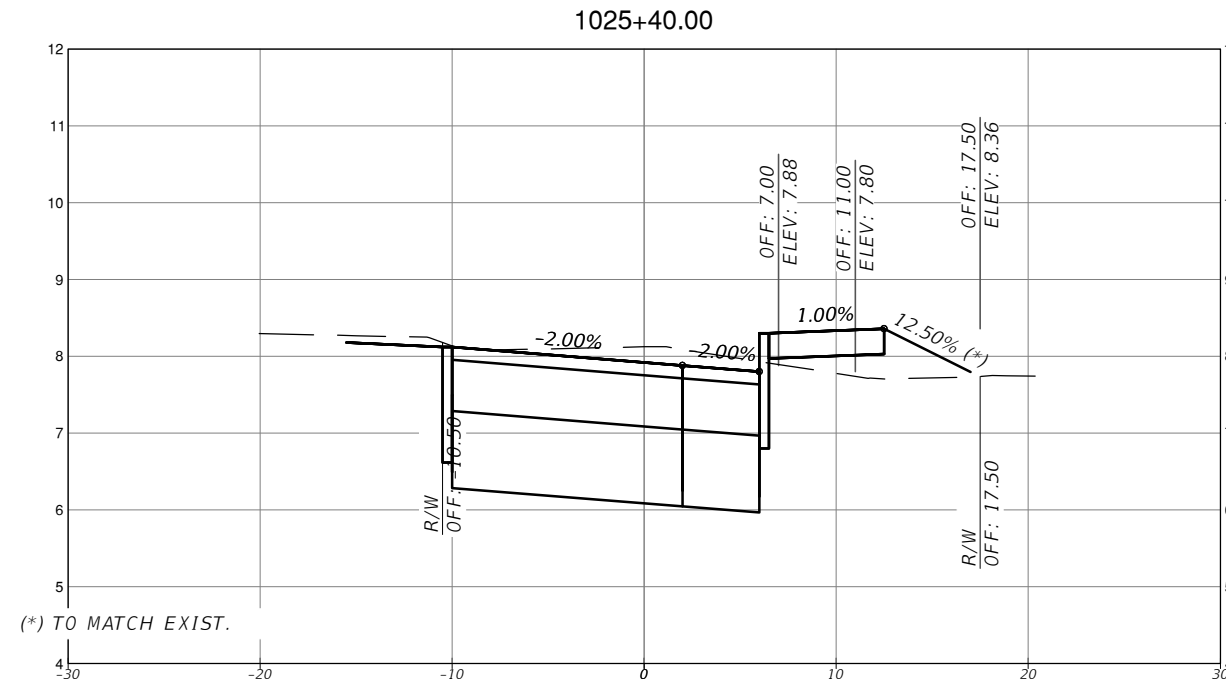
MICHAEL ADEIFE, P.E.
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TOWN OF MEDLEY
 DEPARTMENT OF ENGINEERING
 PROJECT STREET: NW S RIVER DRIVE
 COUNTY: MIAMI-DADE

ROADWAY PAVEMENT
 CROSS SECTIONS
 (24 OF 30)

SHEET NO.
 C-7.24



SCALE
1" = 10' HORIZONTAL
1" = 1' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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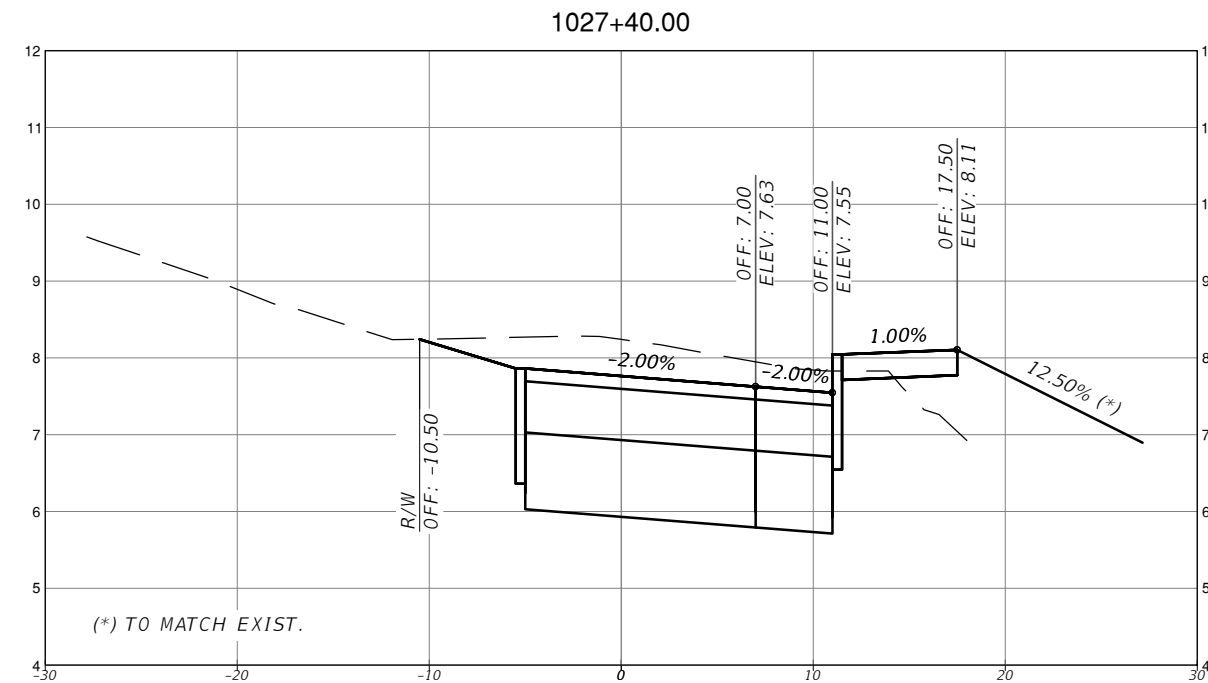
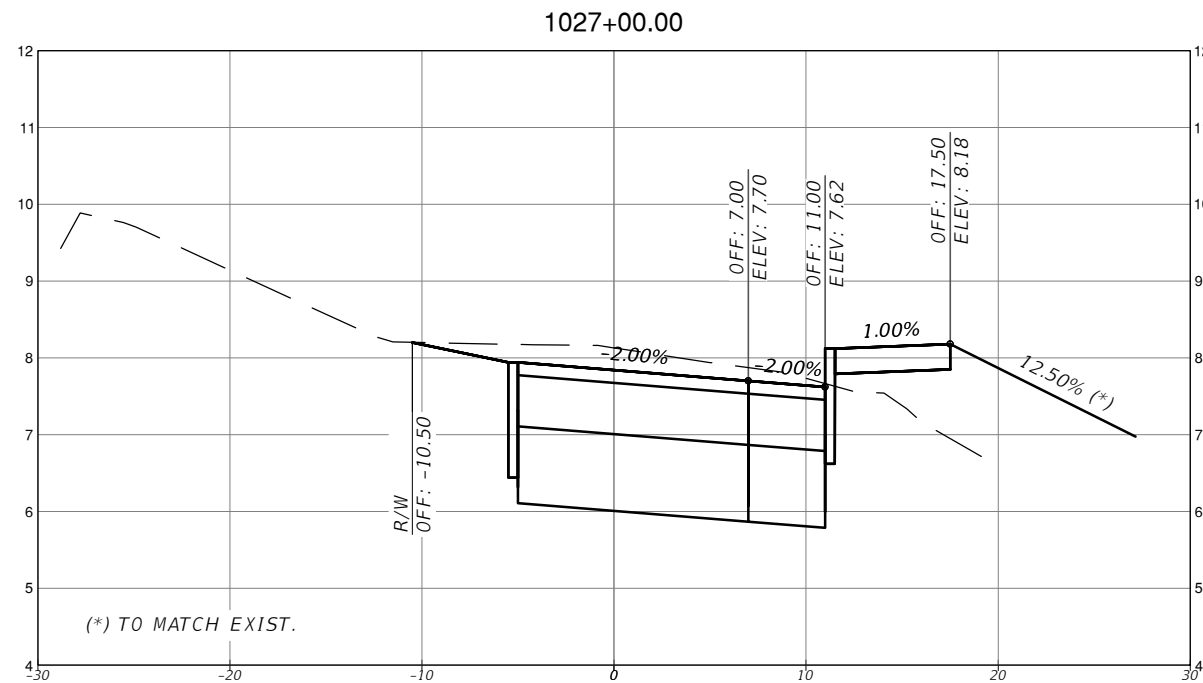
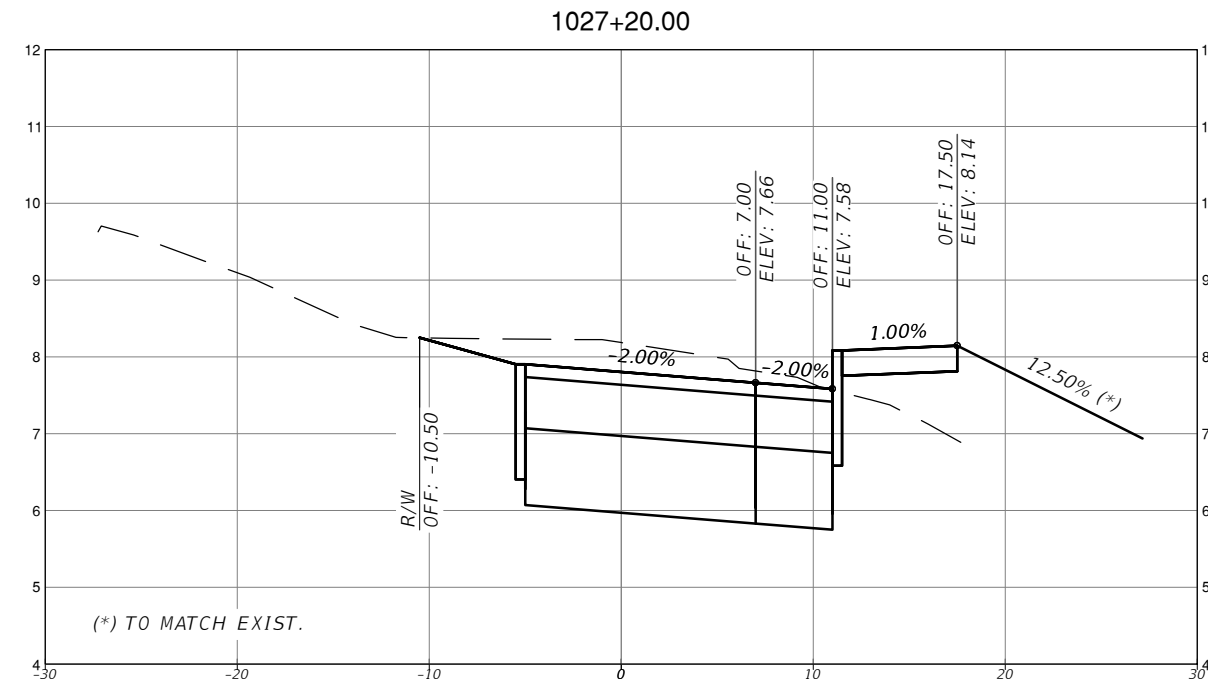
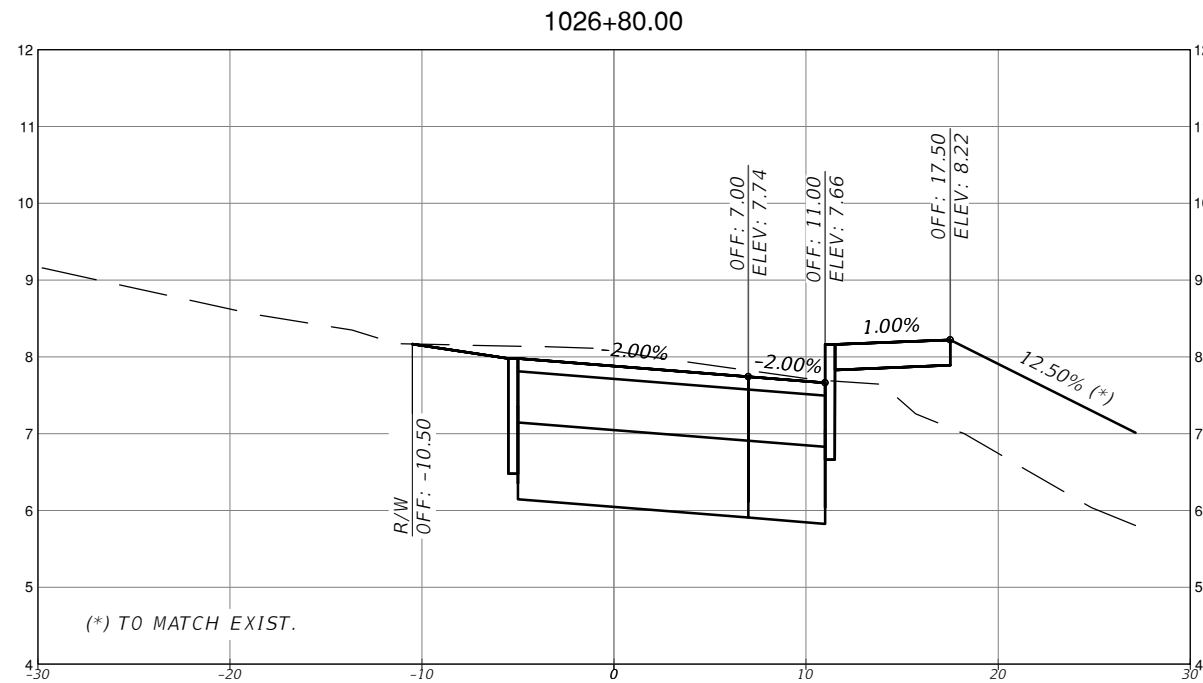


TOWN OF MEDLEY
DEPARTMENT OF ENGINEERING

PROJECT STREET	COUNTY
NW S RIVER DRIVE	MIAMI-DADE

ROADWAY PAVEMENT
CROSS SECTIONS
(25 OF 30)

SHEET NO.
C-7.25



SCALE
1" = 10' HORIZONTAL
1" = 1' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



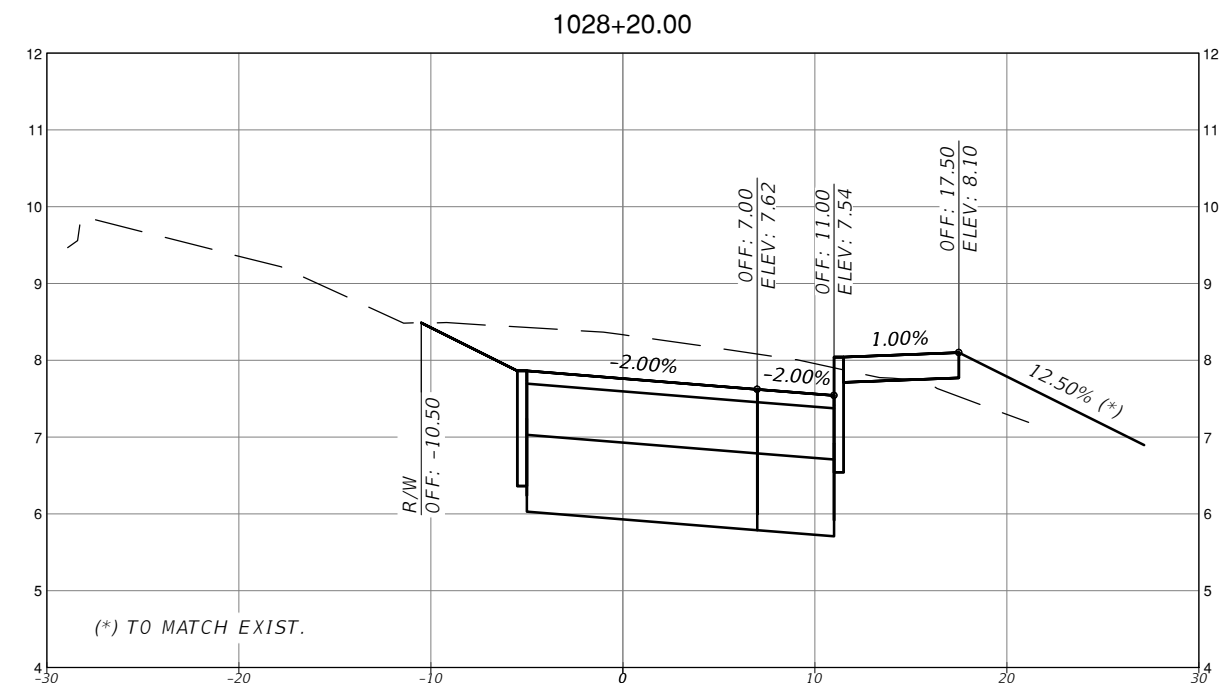
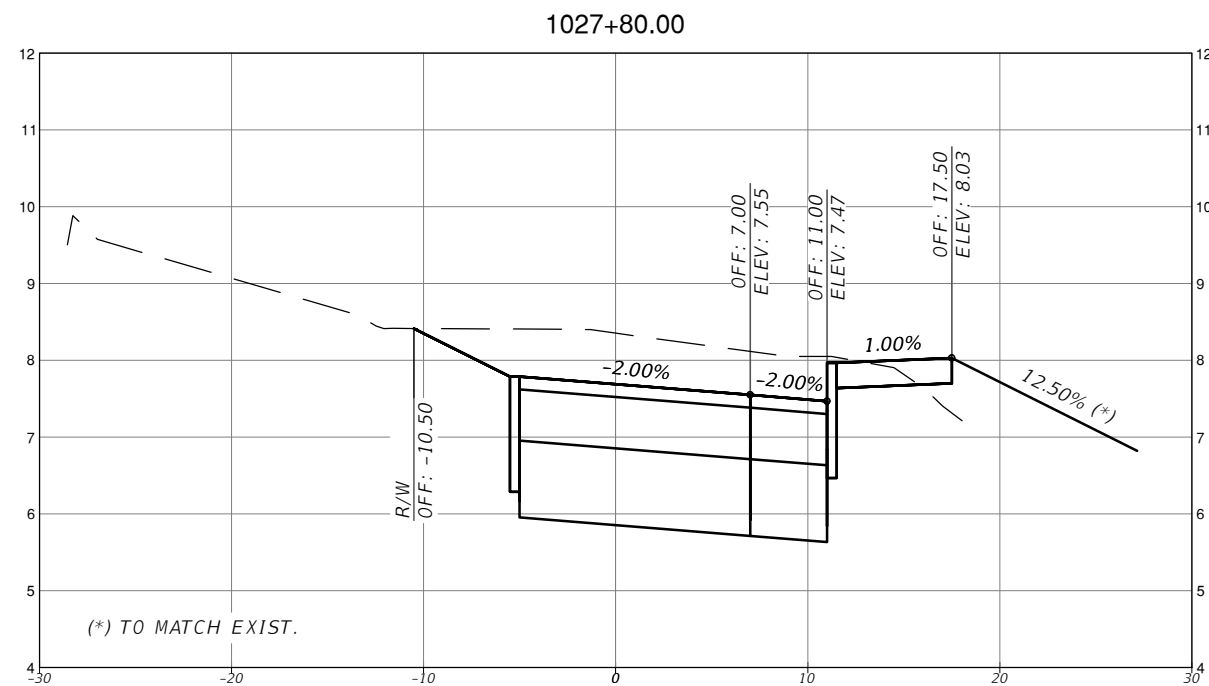
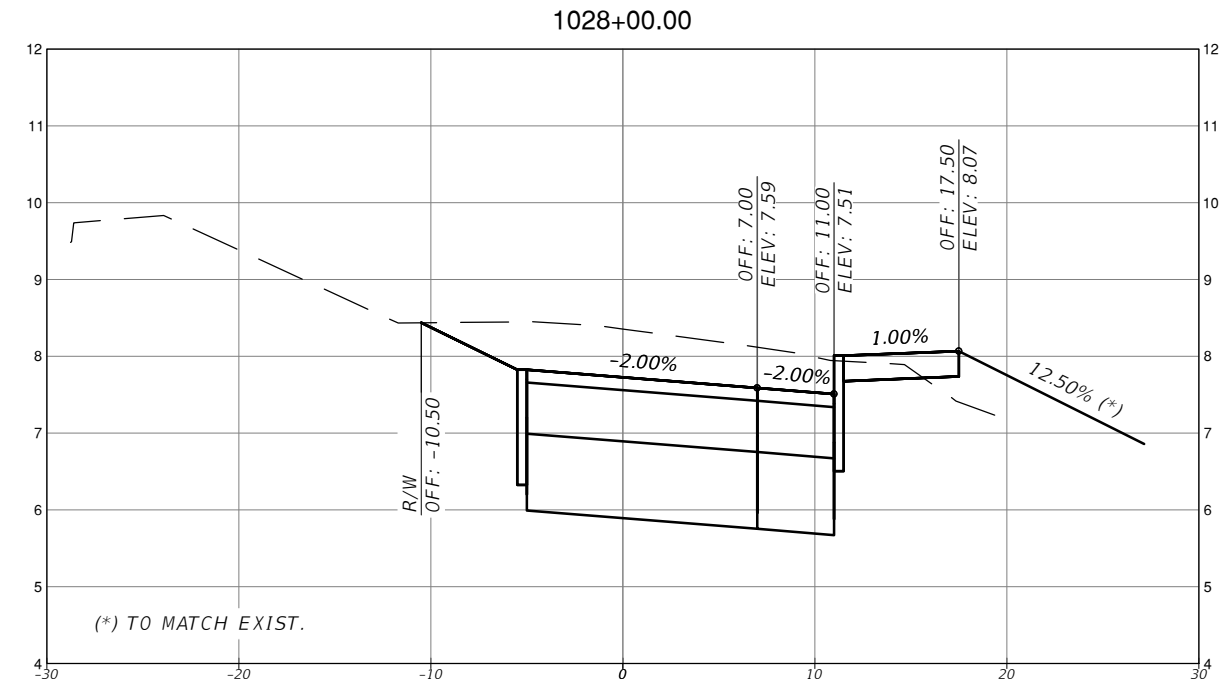
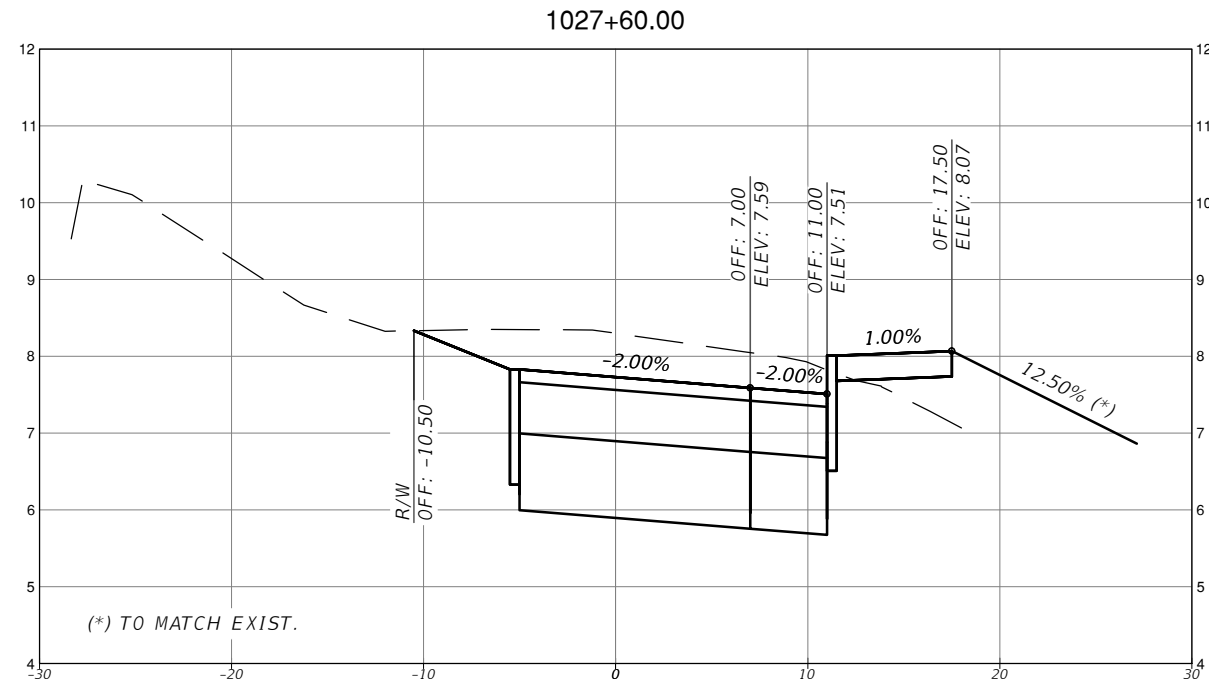
MICHAEL ADEIFE, P.E.
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TOWN OF MEDLEY
DEPARTMENT OF ENGINEERING
PROJECT STREET COUNTY
NW S RIVER DRIVE MIAMI-DADE

ROADWAY PAVEMENT
CROSS SECTIONS
(26 OF 30)

SHEET NO.
C-7.26



SCALE
 1" = 10' HORIZONTAL
 1" = 1' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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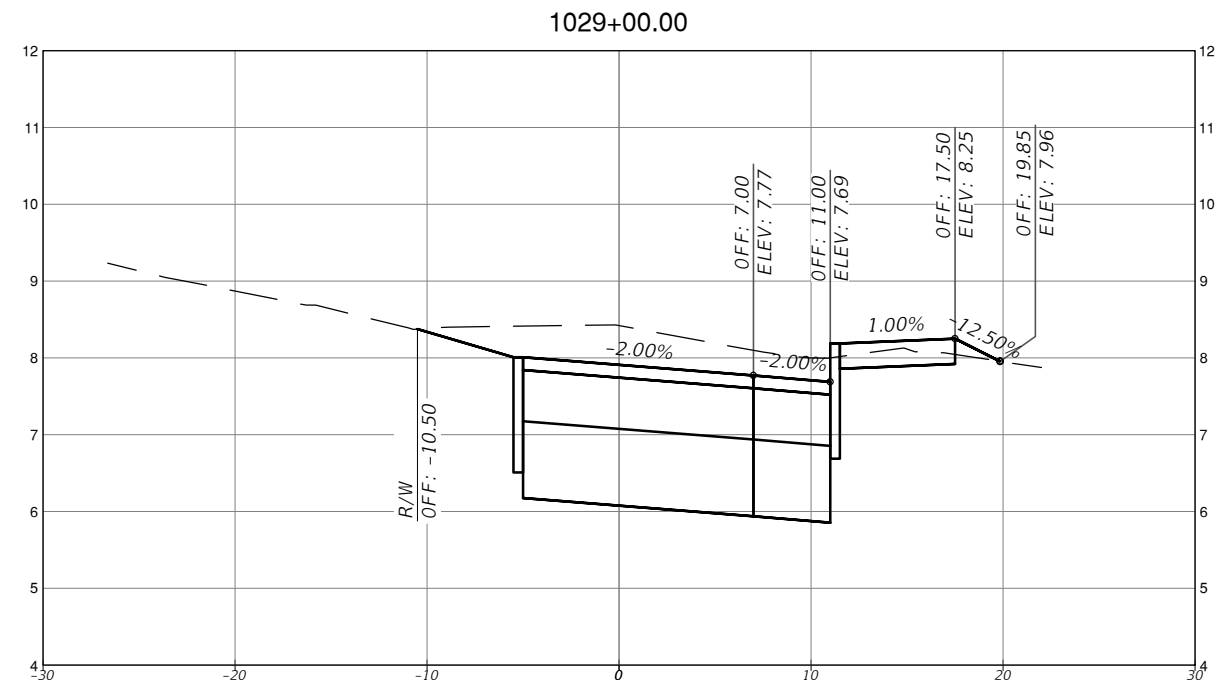
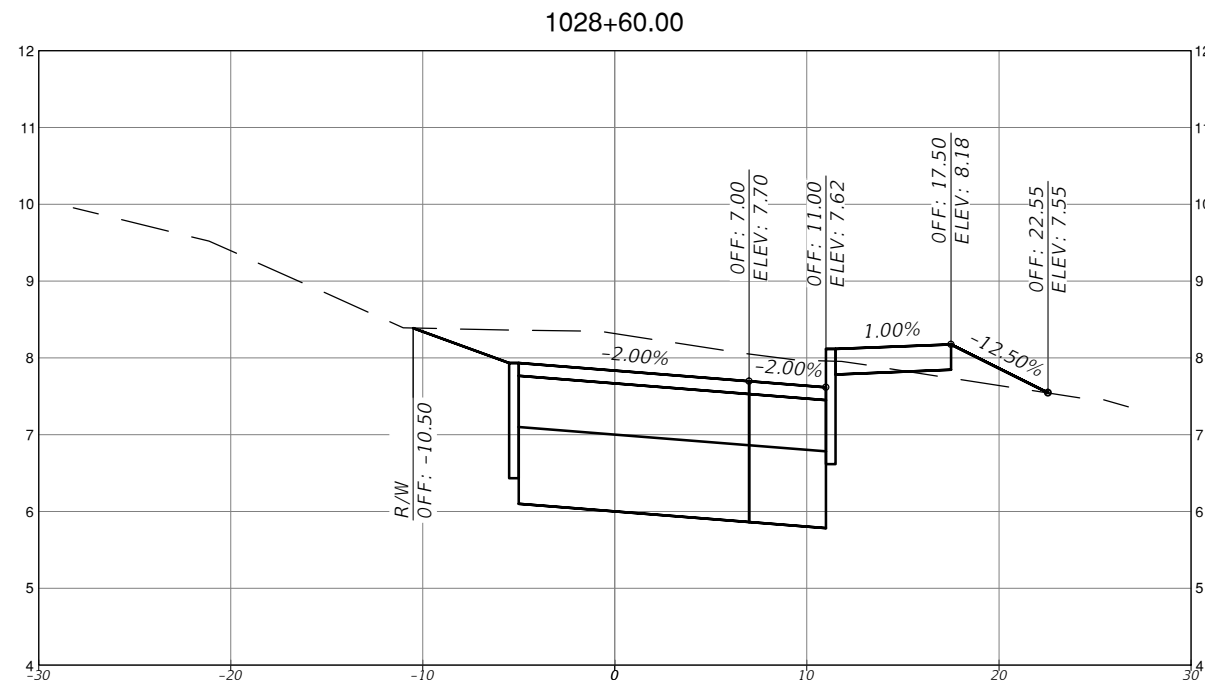
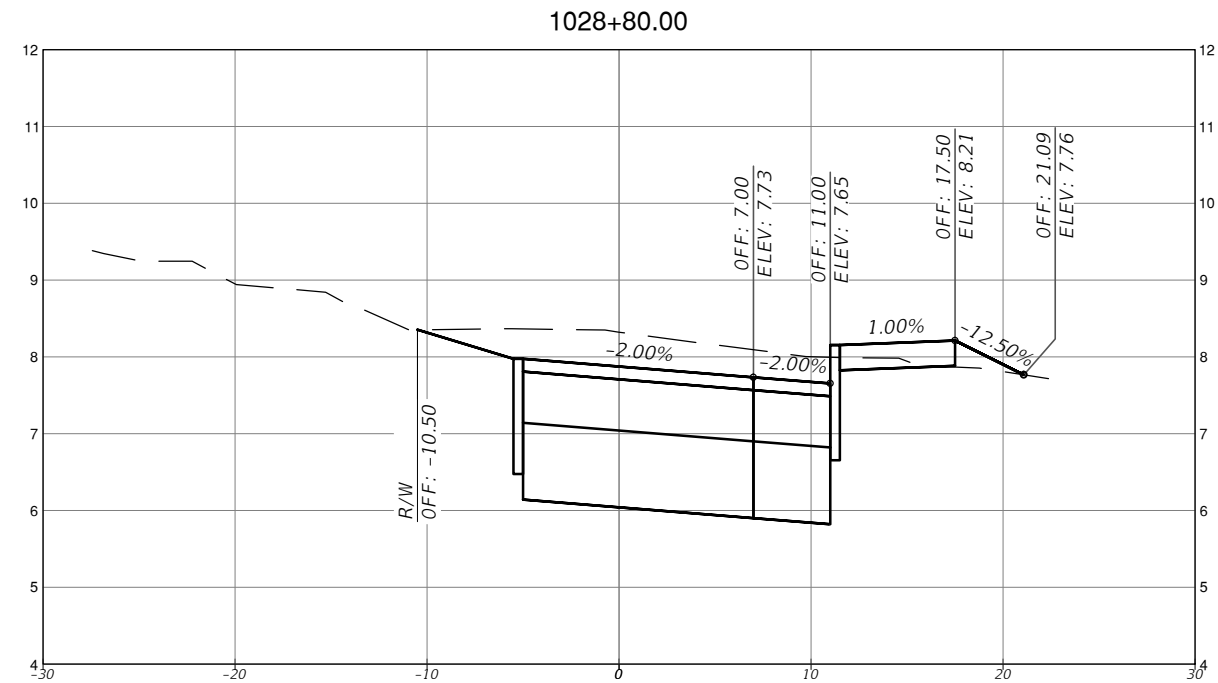
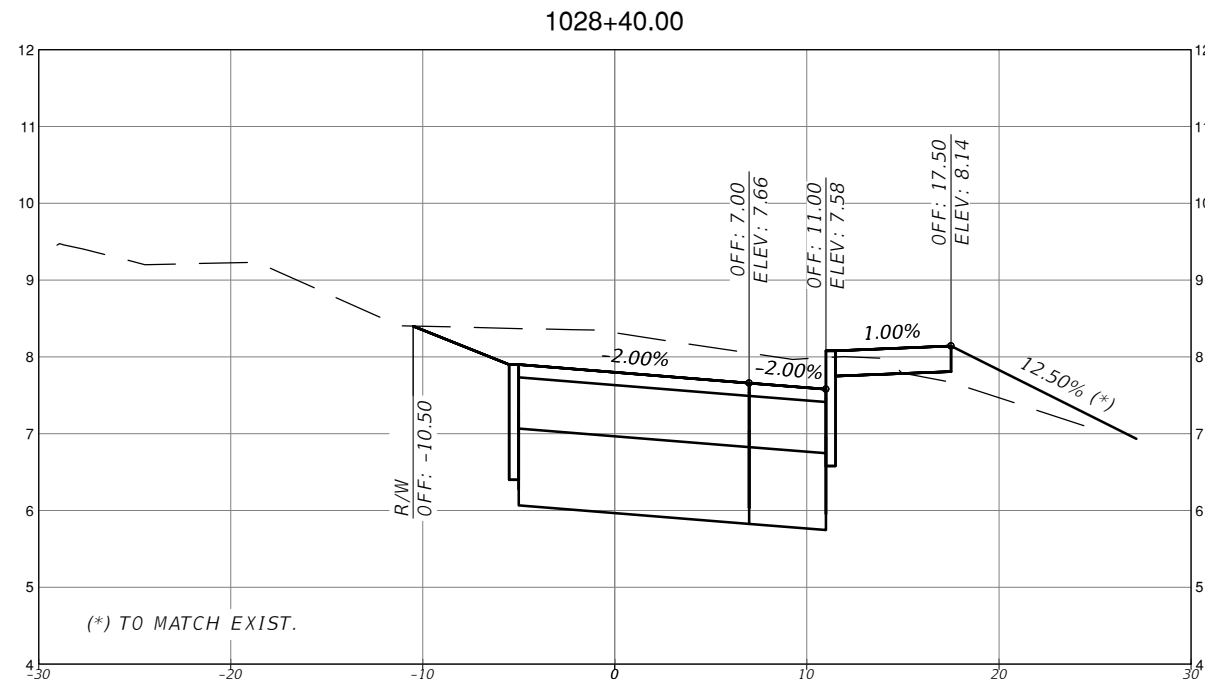


TOWN OF MEDLEY
 DEPARTMENT OF ENGINEERING

PROJECT STREET	COUNTY
NW S RIVER DRIVE	MIAMI-DADE

ROADWAY PAVEMENT
 CROSS SECTIONS
 (27 OF 30)

SHEET NO.
 C-7.27



SCALE
1" = 10' HORIZONTAL
1" = 1' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



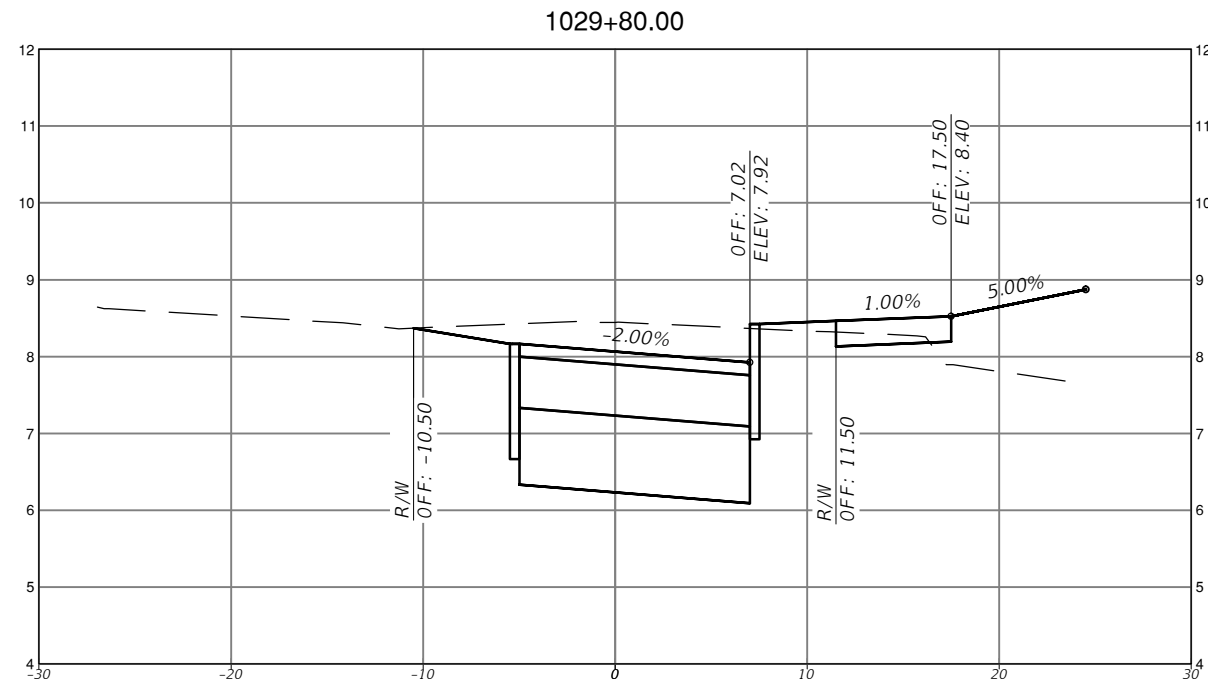
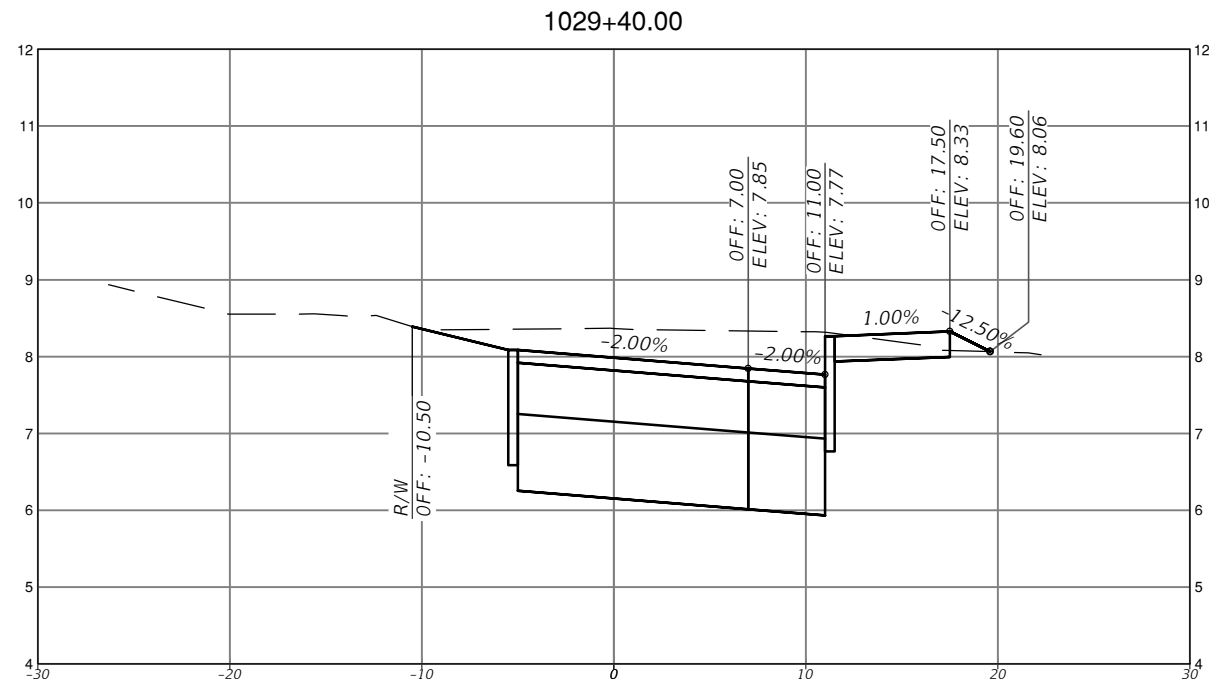
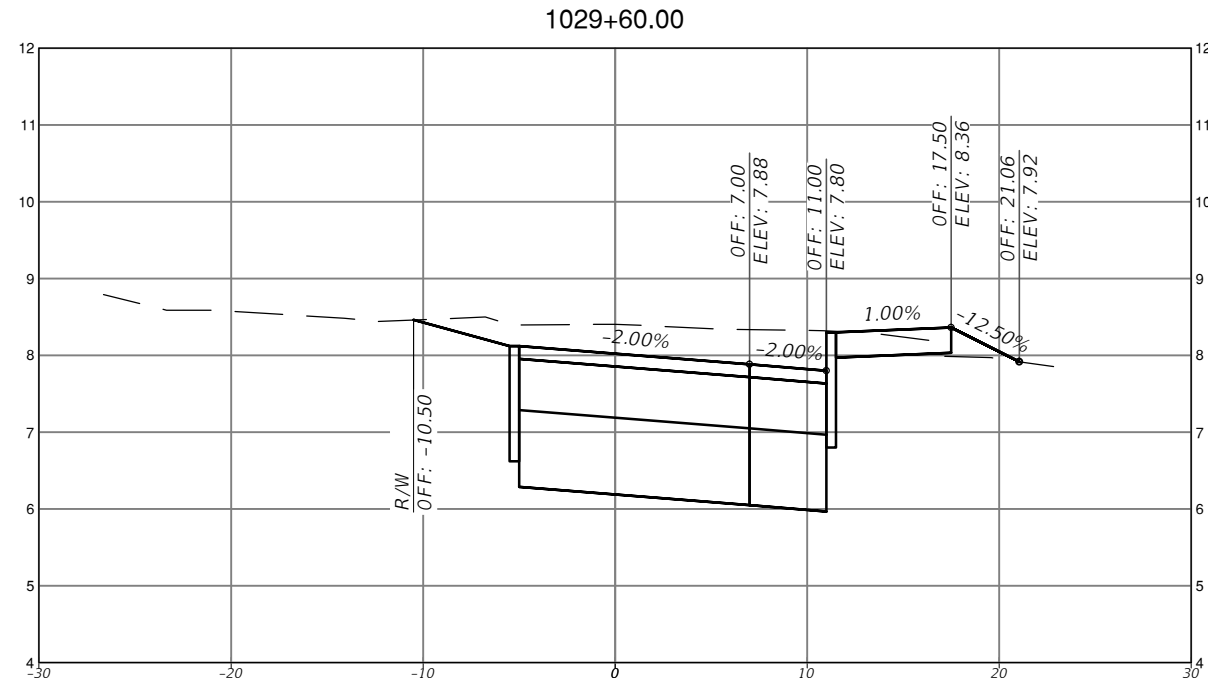
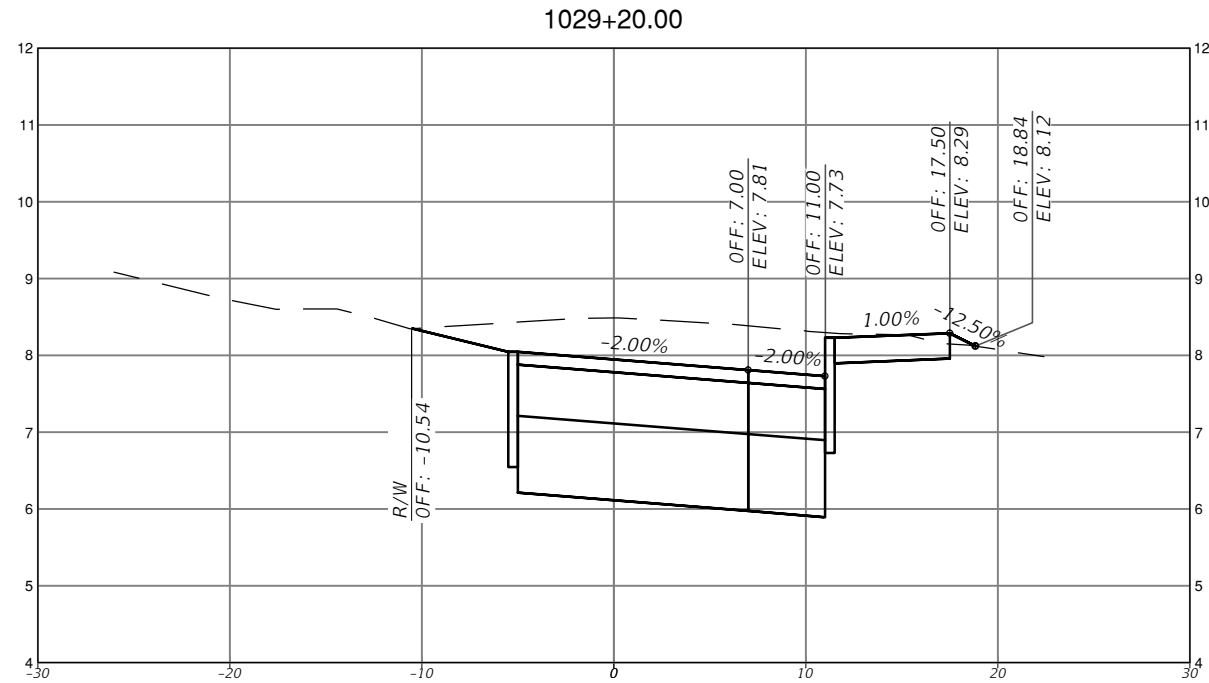
MICHAEL ADEIFE, P.E.
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TOWN OF MEDLEY
DEPARTMENT OF ENGINEERING
PROJECT STREET: NW S RIVER DRIVE
COUNTY: MIAMI-DADE

ROADWAY PAVEMENT
CROSS SECTIONS
(28 OF 30)

SHEET NO.
C-7.28



SCALE
 1" = 10' HORIZONTAL
 1" = 1' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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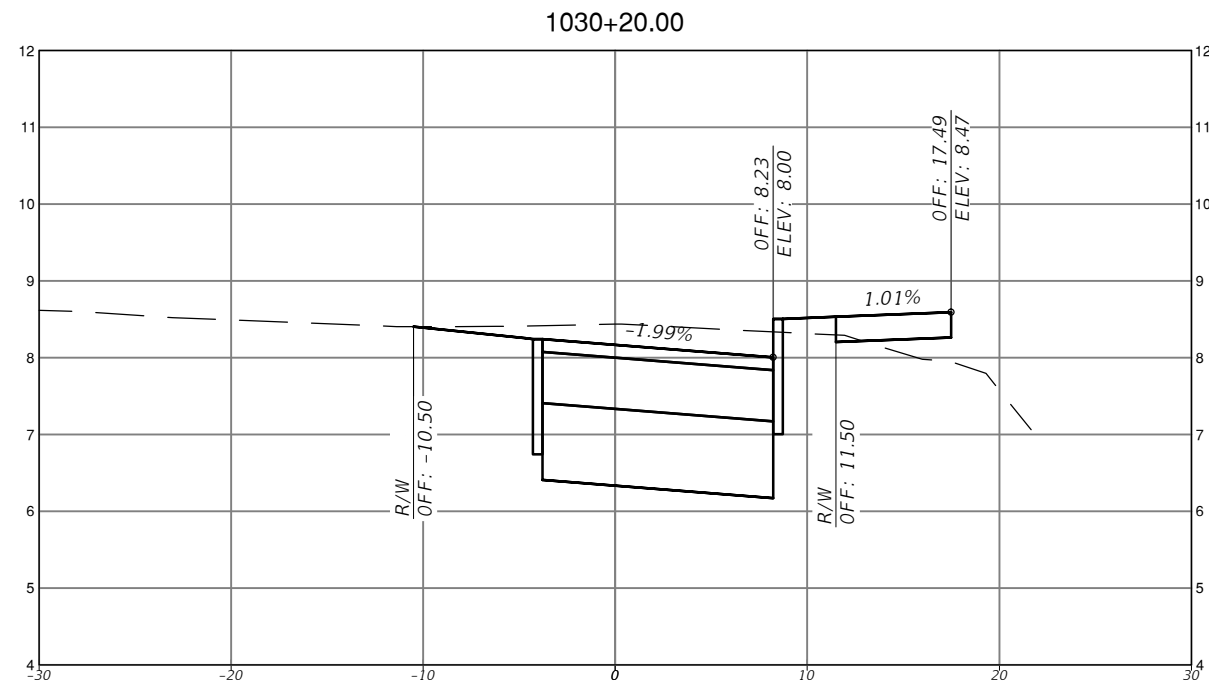
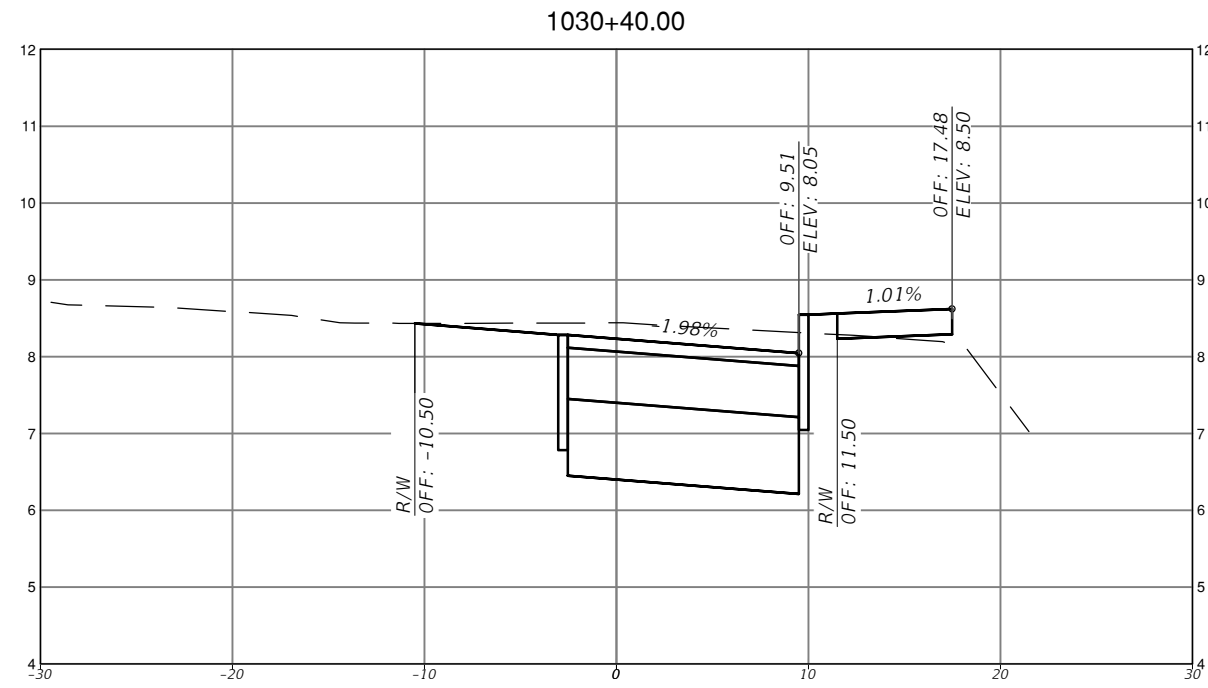
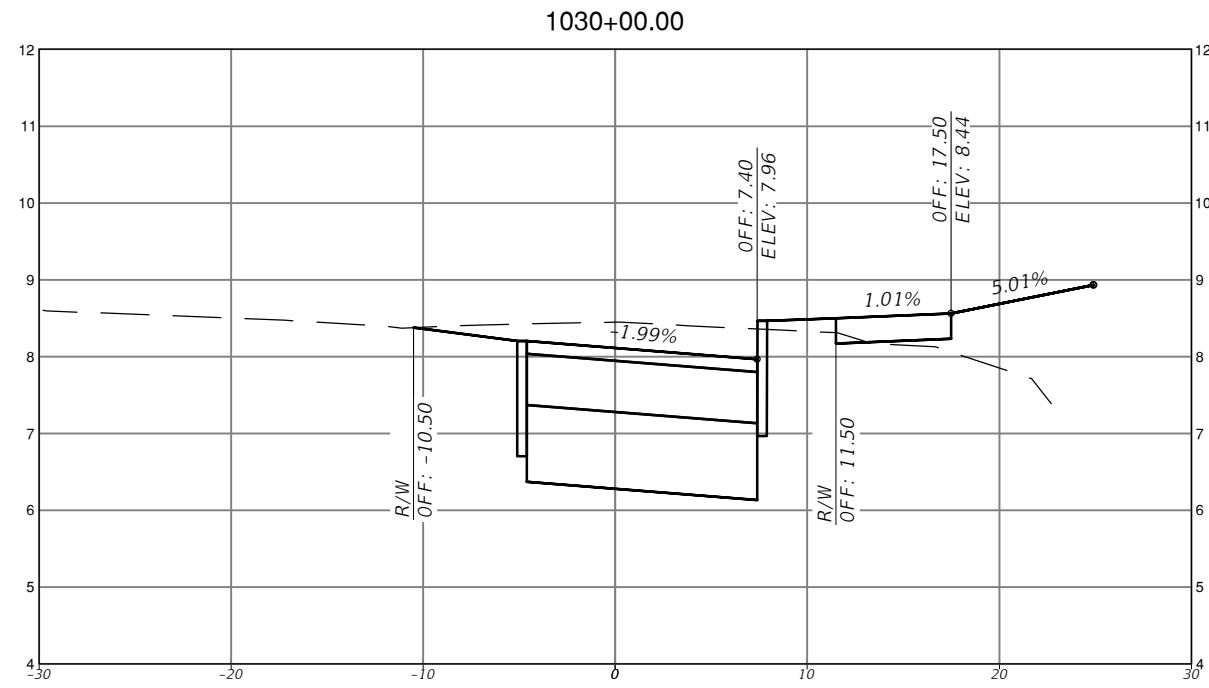
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TOWN OF MEDLEY
 DEPARTMENT OF ENGINEERING

PROJECT STREET: NW S RIVER DRIVE
 COUNTY: MIAMI-DADE

**ROADWAY PAVEMENT
 CROSS SECTIONS
 (29 OF 30)**

SHEET NO.
 C-7.29



SCALE
 1" = 10' HORIZONTAL
 1" = 1' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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TOWN OF MEDLEY
 DEPARTMENT OF ENGINEERING
 PROJECT STREET: NW S RIVER DRIVE
 COUNTY: MIAMI-DADE

ROADWAY PAVEMENT
 CROSS SECTIONS
 (30 OF 30)

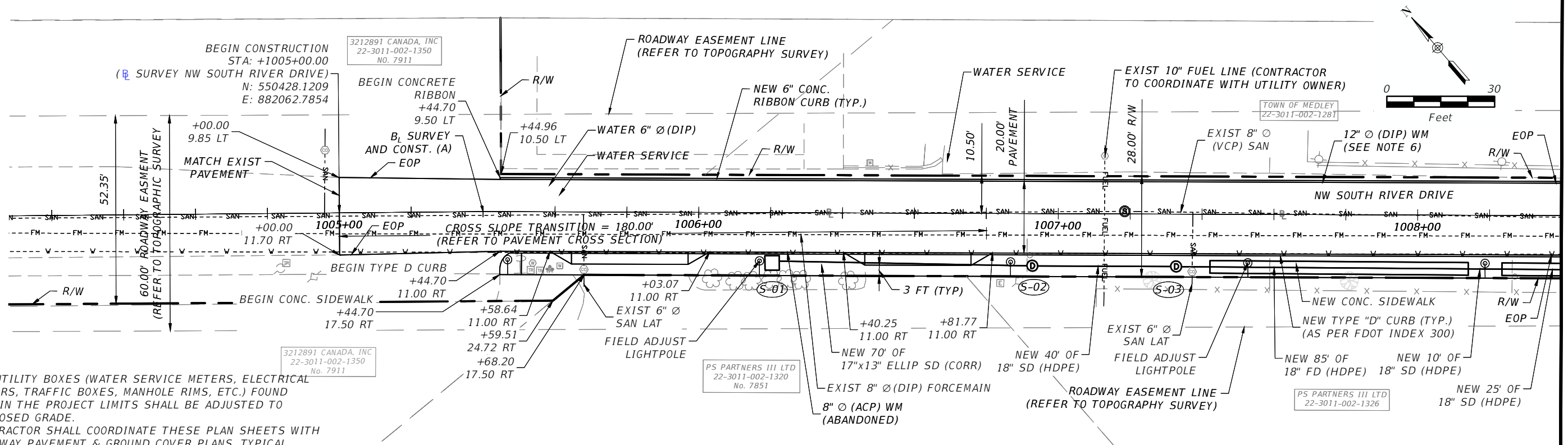
SHEET NO.
 C-7.30

QUANTITY	STR. NO.	STATION	OFFSET (FT)	SIDE	DESCRIPTION	CORES	STORM DRAIN PIPE (FT)					TYPE 8 CURB INLET (INLET THROAT MODIFICATION)			TYPE 8 CURB INLET (MANHOLE MODIFICATION)	TYPE 5 CURB INLET		DITCH BOTTOM INLETS		FDOT TRENCH DRAINS		REMARKS
							SOLID PIPE				PERF. PIPE	REGULAR	REGULAR	SHALLOW		<10'	>10'	<10'	>10'	TYPE F	TYPE II (14"W X 20"H)	
							6"	15"	17"x13"	18"	18"	<10'	>10'	<10'		>10'	<10'	>10'	<10'	>10'		
P	S-35	1025+87.90	31.17	RT	Inlet, Solid Pipe	1				30								1			JBOTTOM (48" X48")	
F																						
P	S-36	1026+15.37	29.08	RT	Inlet, Solid Pipe	2				25									1		JBOTTOM (48" X48")	
F																						
P	S-37	1030+43.86	14.4	RT	Manhole, Solid Pipe	2				60											WITH POLLUTION RETARDANT BAFFLE (NW)	
F																						
P	S-37A	1029+71.88	14.06	RT	Inlet, Solid Pipe	2				70											WITH POLLUTION RETARDANT BAFFLES (SE) (NW)	
F																						
P	S-38	1030+86.67	24.84	RT	Inlet, Solid Pipe	2				45												
F																						
P	S-39	1031+31.49	24.18	RT	Inlet, Solid Pipe	3				10											48" ROUND	
F																						
P	S-40	1031+30.99	33.75	RT	Manhole, Solid Pipe & French Drain	2				130												
F																						
P	S-41	1031+62.66	8.77	LT	Inlet, Solid Pipe	1				45											WITH POLLUTION RETARDANT BAFFLES (SE)	
F																						
P	S-42	1032+65.70	33.78	RT	Manhole, Solid Pipe & French Drain	2															WITH POLLUTION RETARDANT BAFFLE (NW)	
F																						
P	S-43	1032+65.89	10.65	LT	Inlet, Solid Pipe	1				45												
F																						
P	S-44	1030+97.95	41.08	RT	Manhole Top																MODIFY EXISTING STRUCTURE	
F																						
P	S-45	1031+40.37	38.4	RT	Manhole Top																MODIFY EXISTING STRUCTURE	
F																						
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TOTALS THIS SHEET						0	0	0	260	200	4	0	0	4	0	2	2	0	0			
TOTAL FOR PROJECT						195	0	235	1430	1360	9	6	1	11	0	2	5	0	13			

REVISIONS				 EAC Consulting, Inc. CA.# 7011	 MICHAEL ADEIFE, P.E. P.E. LICENSE NO. 56094 EAC CONSULTING, INC. 815 NW 57TH AVE, SUITE 402 MIAMI, FL 33126 WWW.EACCONSULT.COM	TOWN OF MEDLEY DEPARTMENT OF ENGINEERING		SUMMARY OF DRAINAGE STRUCTURES (2 OF 2)	SHEET NO. C-3.2
DATE	DESCRIPTION	DATE	DESCRIPTION			PROJECT STREET NW S RIVER DRIVE	COUNTY MIAMI-DADE		
				Eduardo Garces		8/18/2015 2:46:36 PM		L:\Project\11\Project\11034.SD01-03 - NW S River DR\civil\NC-3.0 SECTIONS.dwg	

QUANTITY	STR. NO.	STATION	OFFSET (FT)	SIDE	DESCRIPTION	CORUS	STORM DRAIN PIPE (FT)					TYPE 8 CURB INLET (INLET THROAT MODIFICATION)			TYPE 8 CURB INLET (MANHOLE MODIFICATION)	TYPE 5 CURB INLET		DITCH BOTTOM INLETS		FDOT TRENCH DRAIN		REMARKS
							SOLID PIPE					PERF. PIPE	REGULAR <10'	REGULAR >10'		SHALLOW <10'	<10'	>10'	TYPE F		TYPE II (14"W X 20"H)	
							6"	15"	17"x13"	18"	18"								<10'	>10'		
P	S-01	1006+19.91	14.49	RT	Inlet, Solid Pipe	1			70													
F																						
P	S-02	1006+92.81	14.57	RT	Manhole, Solid Pipe	2			40					1								
F																						
P	S-03	1007+32.81	14.67	RT	Manhole, Solid Pipe & French Drain	2			35	100				1								WITH POLLUTION RETARDANT BAFFLE (SE)
F																						
P	S-04	1008+67.86	15.19	RT	Manhole, Solid Pipe & French Drain	2			20	100				1								
F																						
P	S-05	1009+81.70	14.65	RT	Inlet, French Drain	2				100							1					WITH POLLUTION RETARDANT BAFFLES (SE) (NW), J BOTTOM (72"x72")
F																						
P	S-06	1010+83.42	15.35	RT	Manhole, Solid Pipe & French Drain	2			40	100				1								
F																						
P	S-07	1012+16.40	13.89	RT	Inlet, Solid Pipe & French Drain	3			35	160			1									WITH POLLUTION RETARDANT BAFFLES (SE) (NW)
F																						
P	S-08	1012+16.36	21.79	RT	Trench Drain, Pipe	1	15															1
F																						
P	S-09	1014+14.59	14.00	RT	Manhole, Solid Pipe & French Drain	3			30	145				1								
F																						
P	S-10	1014+14.48	22.85	RT	Trench Drain, Pipe	1	15															1
F																						
P	S-11	1015+89.86	13.98	RT	Inlet, Solid Pipe & French Drain	2			35	110			1									WITH POLLUTION RETARDANT BAFFLES (SE) (NW)
F																						
P	S-12	1017+36.72	14.11	RT	Inlet, Solid Pipe	2			40			1										WITH POLLUTION RETARDANT BAFFLE (NW)
F																						
P	S-13	1017+76.30	13.95	RT	Manhole, Solid Pipe	3			55					1								
F																						
P	S-14	1018+30.85	13.30	RT	Inlet, Solid Pipe & French Drain	2			95	60			1									WITH POLLUTION RETARDANT BAFFLE (SE)
F																						
P	S-15	1019+47.71	26.5	RT	Trench Drain, Pipe	1	15															1
F																						
P	S-16	1019+86.83	14.22	RT	Inlet, Solid Pipe & French Drain	3			170	90	1											WITH POLLUTION RETARDANT BAFFLES (SE) (NW)
F																						
P	S-17	1019+89.18	25	RT	Trench Drain, Pipe	1	15															1
F																						
P	S-18	1020+28.64	23.32	RT	Trench Drain, Pipe	1	15															1
F																						
P	S-19	1020+54.25	23.79	RT	Trench Drain, Pipe	1	15															1
F																						
P	S-20	1018+13.59	53.51	RT	Inlet, Solid Pipe	2			55								1					J BOTTOM (48" X 48")
F																						
P	S-21	1018+00.84	80.76	RT	Inlet, Solid Pipe	1			30								1					J BOTTOM (48" X 48")
F																						
P	S-22	1021+06.89	20.86	RT	Trench Drain, Pipe	1	15															1
F																						
P	S-23	1021+52.91	21.03	RT	Trench Drain, Pipe	1	15															1
F																						
P	S-24	1022+20.16	13.87	RT	Inlet, Solid Pipe & French Drain	2			180	25			1									WITH POLLUTION RETARDANT BAFFLES (SE) (NW)
F																						
P	S-25	1022+82.52	20.12	RT	Trench Drain, Pipe	1	15															1
F																						
P	S-26	1023+14.27	20.36	RT	Trench Drain, Pipe	1	15															1
F																						
P	S-27	1023+68.42	20.74	RT	Trench Drain, Pipe	1	15															1
F																						
P	S-28	1024+24.40	14.5	RT	Inlet, Solid Pipe & French Drain	3			75	75			1									WITH POLLUTION RETARDANT BAFFLES (SE) (NW)
F																						
P	S-29	1024+24.40	20.81	RT	Trench Drain, Pipe	1	15															1
F																						
P	S-30	1025+27.54	22.15	RT	Trench Drain, Pipe	1	15															1
F																						
P	S-31	1025+68.69	14.01	RT	Inlet, Solid Pipe	2			70				1									WITH POLLUTION RETARDANT BAFFLE (NW)
F																						
P	S-32	1026+35.65	14.09	RT	Inlet, Solid Pipe & French Drain	3			110	40	1											WITH POLLUTION RETARDANT BAFFLES (SE)
F																						
P	S-33	1027+79.95	14.04	RT	Inlet, Solid Pipe & French Drain	2			105	35	1											WITH POLLUTION RETARDANT BAFFLES (SE) (NW)
F																						
P	S-34	1029+12.93	14.74	RT	Manhole, Solid Pipe & French Drain	2			115	20	1			1								
F																						
TOTALS THIS SHEET							195	0	235	1170	1160	5	6	1	7	0	0	3	0	13		
TOTAL FOR PROJECT							195	0	235	1430	1360	9	6	1	11	0	2	5	0	13		

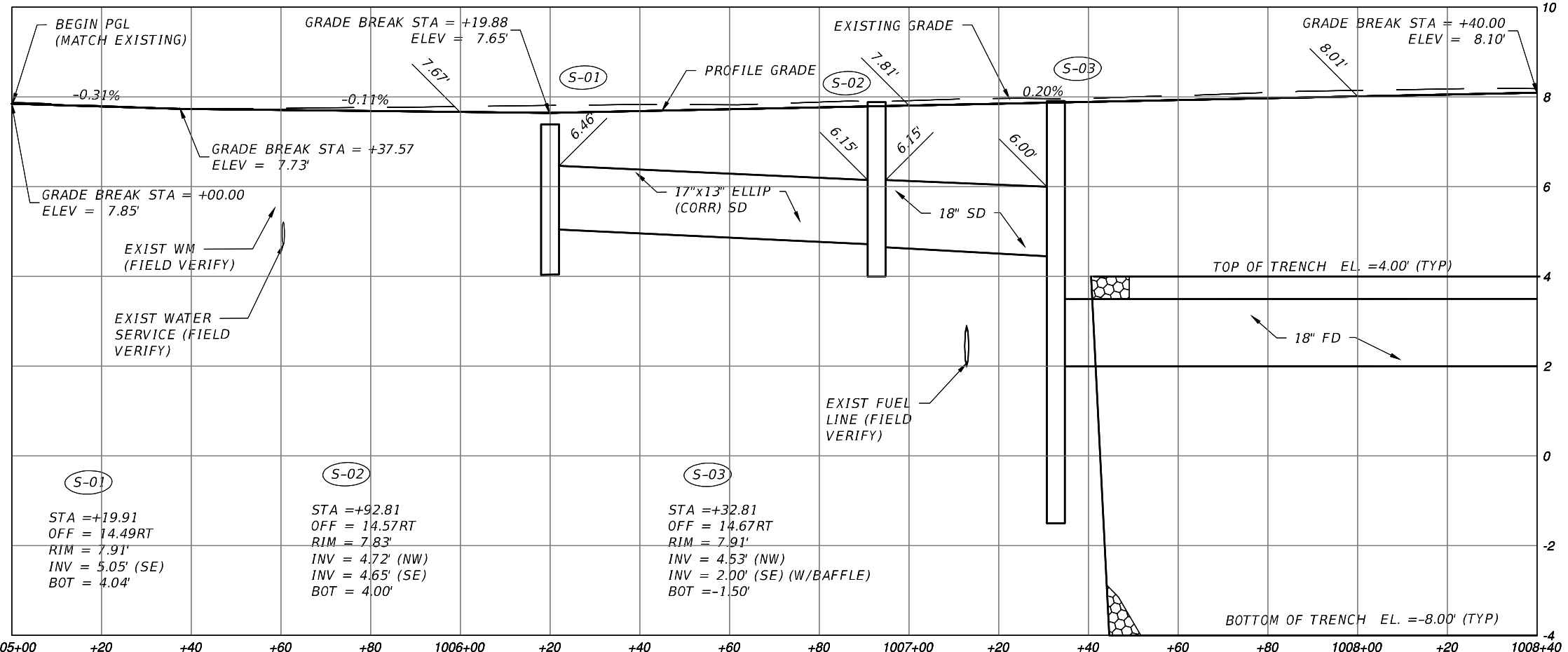
<p style="text-align: center;">REVISIONS</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				DATE	DESCRIPTION	DATE	DESCRIPTION					 <p>EAC EAC Consulting, Inc. CA.# 7011</p>	<p>MICHAEL ADEIFE, P.E. P.E. LICENSE NO. 56094 EAC CONSULTING, INC. 815 NW 57TH AVE, SUITE 402 MIAMI, FL 33126 WWW.EACCONSULT.COM</p>	 <p>TOWN OF MEDLEY DEPARTMENT OF ENGINEERING</p>	<p>PROJECT STREET NW S RIVER DRIVE</p> <p>COUNTY MIAMI-DADE</p>	<p style="text-align: center;">SUMMARY OF DRAINAGE STRUCTURES (1 OF 2)</p>	<p>SHEET NO. C-3.1</p>
DATE	DESCRIPTION	DATE	DESCRIPTION														
<p style="text-align: center;">Eduardo Garces 8/18/2015 2:46:35 PM L:\Project\11Project\11034.SD01-03 - NW S River DR\civil\NC-3.0 SECTIONS.dwg</p>																	



- NOTES:
- ALL UTILITY BOXES (WATER SERVICE METERS, ELECTRICAL METERS, TRAFFIC BOXES, MANHOLE RIMS, ETC.) FOUND WITHIN THE PROJECT LIMITS SHALL BE ADJUSTED TO PROPOSED GRADE.
 - CONTRACTOR SHALL COORDINATE THESE PLAN SHEETS WITH ROADWAY PAVEMENT & GROUND COVER PLANS, TYPICAL SECTIONS AND PAVEMENT CROSS SECTION SHEETS.
 - CONTRACTOR SHALL COORDINATE WITH EACH PARCEL/HOME OWNER AND/OR RESIDENT THROUGH THE TOWN OF MEDLEY ENGINEER TO FACILITATE PROPOSED CONSTRUCTION.
 - NO DEVIATION SHOULD BE MADE TO CONSTRUCTION WITHOUT PRIOR APPROVAL OF ENGINEER OF RECORD.
 - SPECIAL ATTENTION SHALL BE DIRECTED BY CONTRACTOR TO THE FACT THAT PORTIONS OF DRAINAGE STRUCTURES EXTEND INTO STABILIZED PORTION OF THE ROAD BED AND EXTREME CAUTION IS NECESSARY IN STABILIZATION AT THESE LOCATIONS.
 - WATERMAIN, FIRE HYDRANTS AND WATER SERVICE LINES SHOWN HEREON AS EXISTING REFLECT PROPOSED WORK DUE TO BE PERFORMED PRIOR TO OR CONCURRENTLY WITH THIS PROJECT. CONCURRENT CONSTRUCTION THEREOF WILL REQUIRE EXTENSIVE CONTRACTOR COORDINATION.

ENGINEER'S NOTE:
 ALL OTHER NOTES SPECIFIED ON OTHER ROADWAY PLAN & PROFILE SHEETS ARE APPLICABLE TO THE WORK INDICATED ON THIS SHEET

CROSS SLOPE TRANSITION				
STA	OFFSET TO ROAD CENTERLINE	NEW CENTERLINE ELEV.	LT SLOPE	RT SLOPE
1005+00	MATCH EXISTING	MATCH EXISTING	MATCH EXISTING	MATCH EXISTING
1005+20	0.59	8.02	2.37%	-2.61%
1005+40	0.89	7.94	2.15%	-2.60%
1005+60	0.88	7.87	1.62%	-2.59%
1005+80	0.90	7.80	1.10%	-2.57%
1006+00	0.92	7.73	0.57%	-2.56%
1006+20	0.94	7.65	0.05%	-2.54%
1006+40	0.96	7.58	-1.09%	-2.52%
1006+60	0.98	7.51	-2.22%	-2.50%
1006+80	1.00	7.52	-2.50%	-2.50%



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

EAC Consulting, Inc.
CA.# 7011

MICHAEL ADEIFE, P.E.
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815 NW 57TH AVE, SUITE 402
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TOWN OF MEDLEY
DEPARTMENT OF ENGINEERING

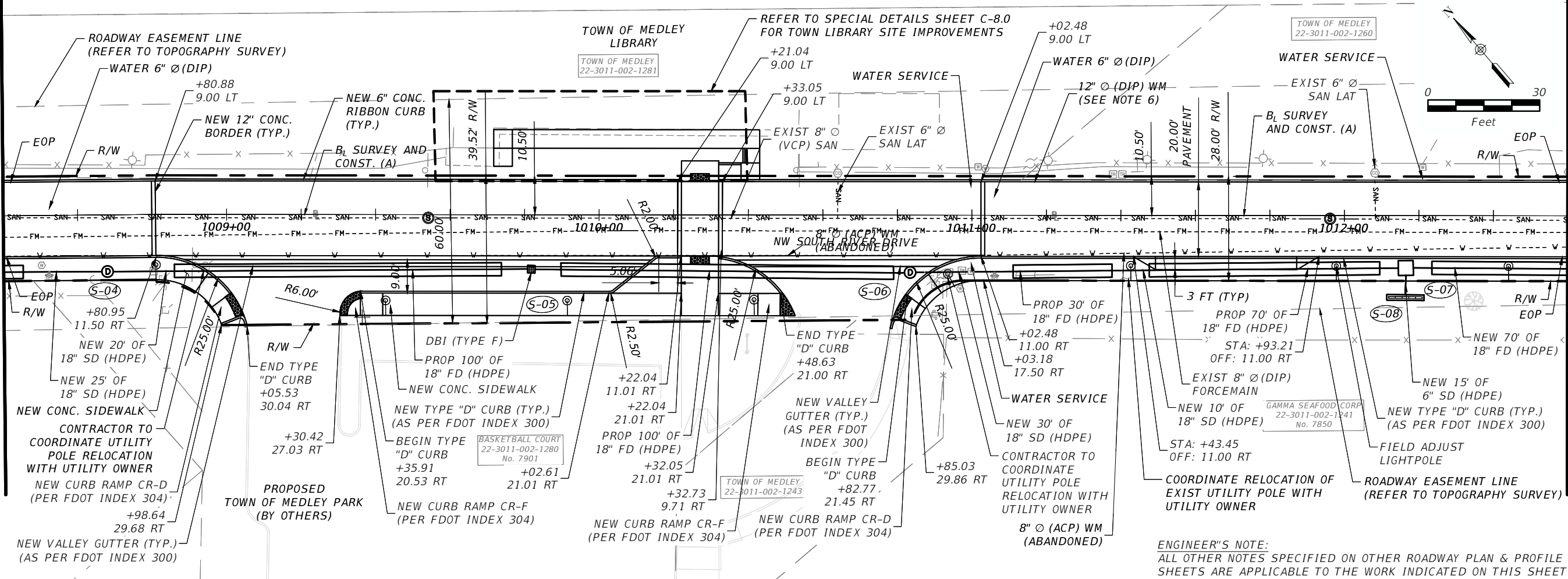
PROJECT STREET: NW S RIVER DRIVE
COUNTY: MIAMI-DADE

ROADWAY PLAN & PROFILE
(1 OF 7)

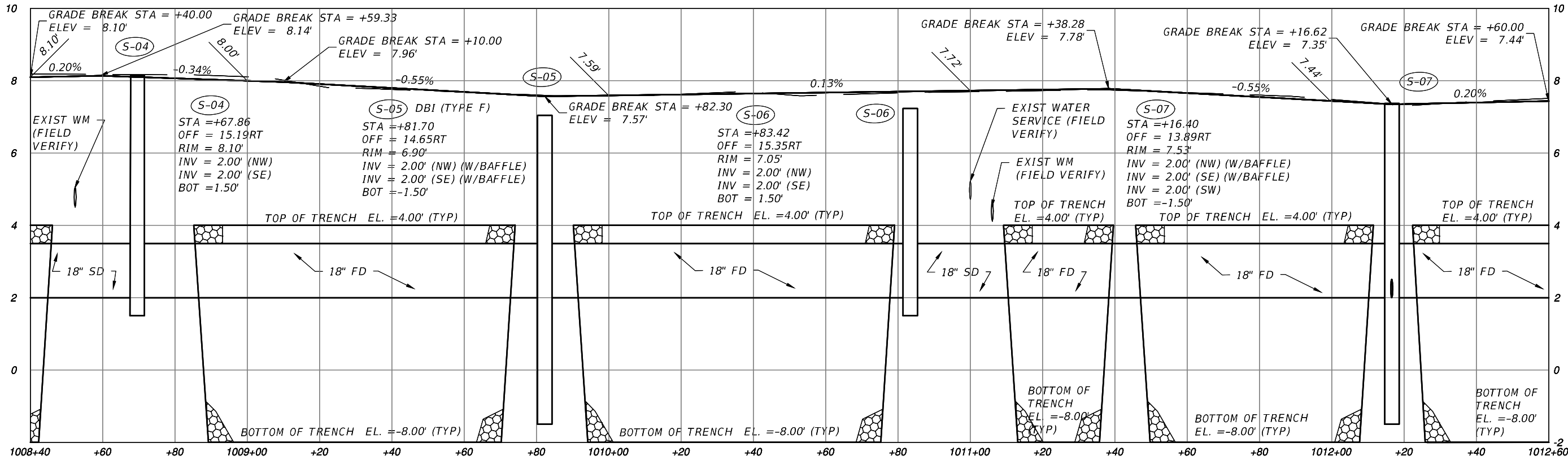
SHEET NO.
C-4.1

MATCH LINE STA. 1008+40.00
(SEE SHEET C-4.1)

MATCH LINE STA. 1012+60.00
(SEE SHEET C-4.3)



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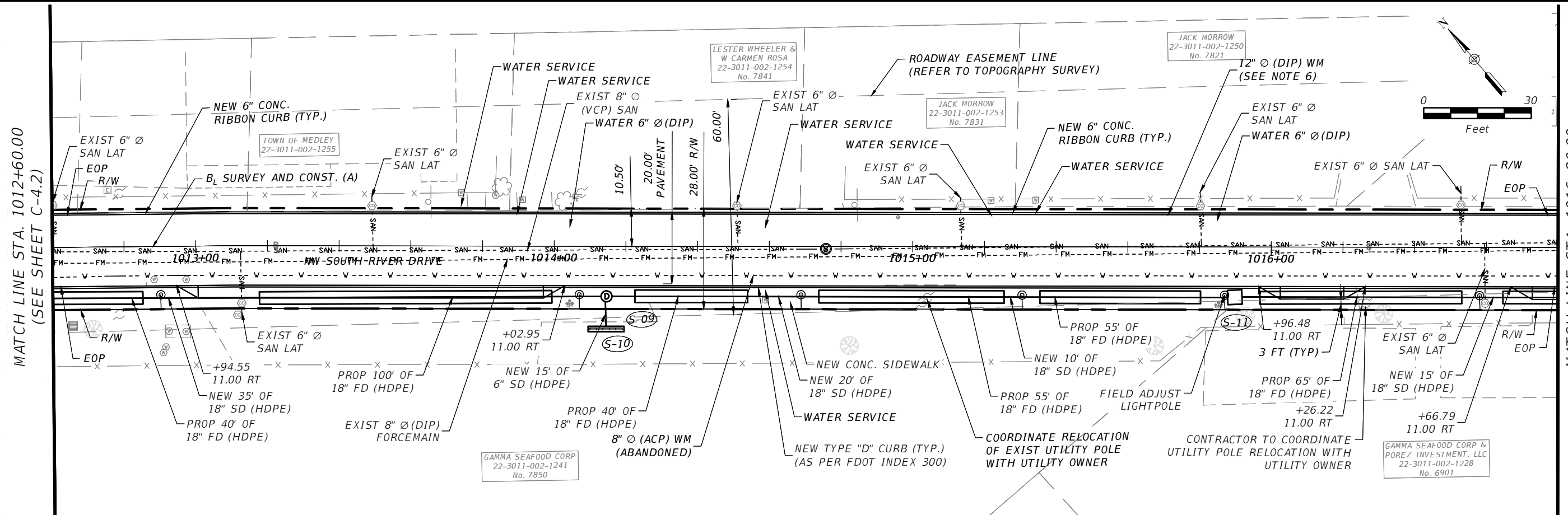
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DEPARTMENT OF ENGINEERING

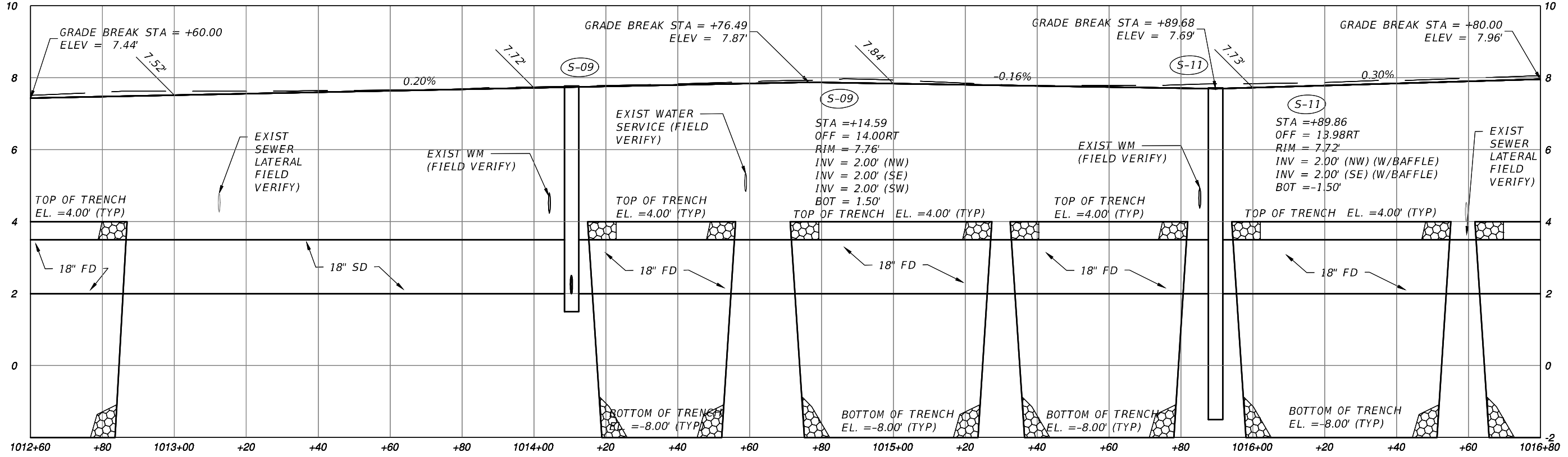
PROJECT STREET: NW S RIVER DRIVE
COUNTY: MIAMI-DADE

ROADWAY PLAN & PROFILE
(2 OF 7)

SHEET NO.
C-4.2



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TOWN OF MEDLEY
 DEPARTMENT OF ENGINEERING

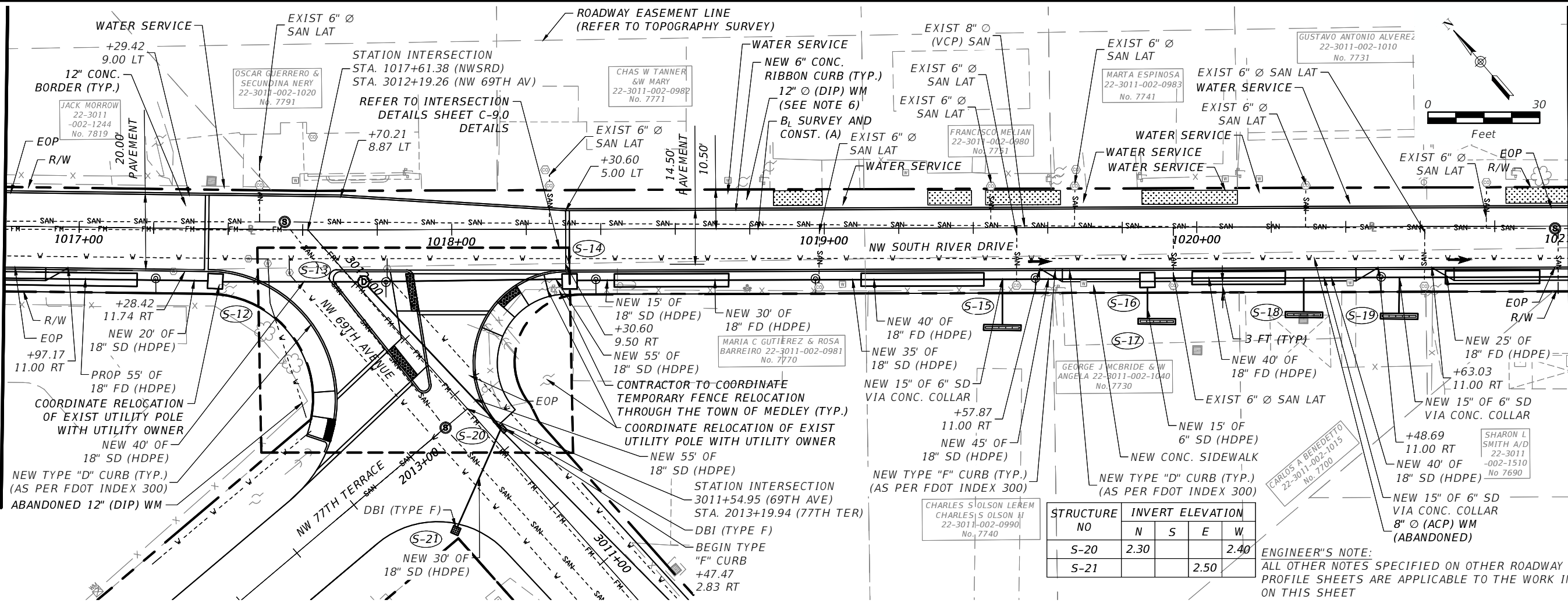
PROJECT STREET: NW S RIVER DRIVE
 COUNTY: MIAMI-DADE

ROADWAY PLAN & PROFILE
 (3 OF 7)

SHEET NO.
 C-4.3

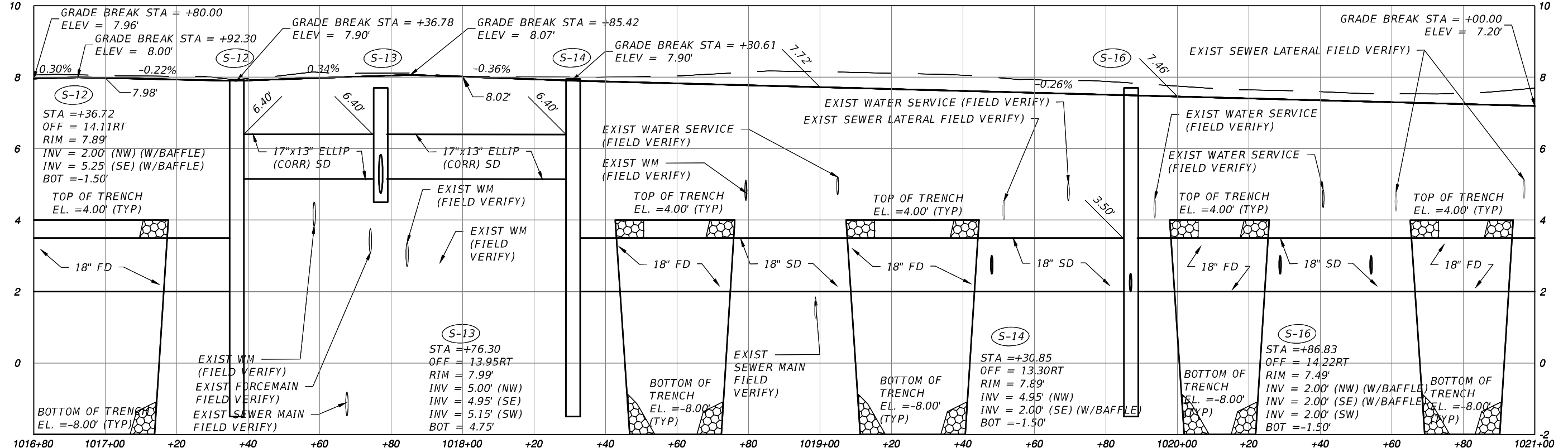
MATCH LINE STA. 1016+80.00
(SEE SHEET C-4.3)

MATCH LINE STA. 1021+00.00
(SEE SHEET C-4.5)



STRUCTURE NO	INVERT ELEVATION			
	N	S	E	W
S-20	2.30			2.40
S-21			2.50	

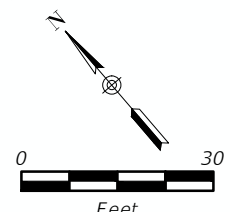
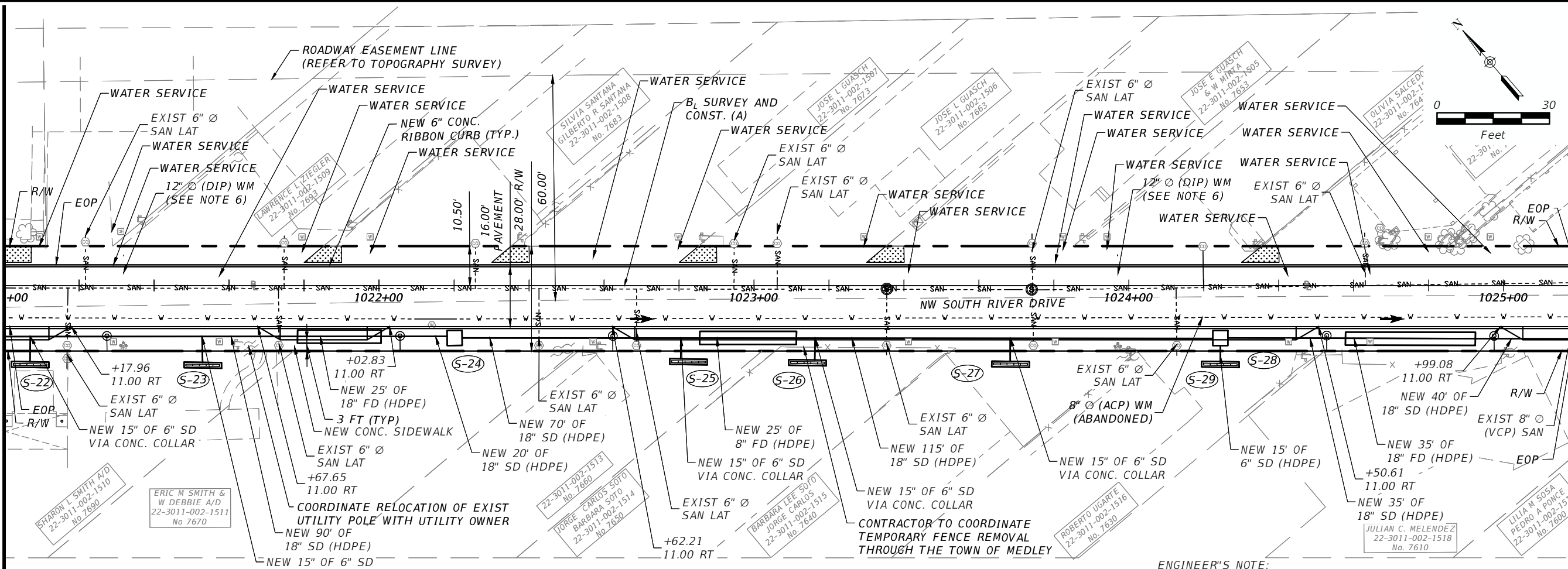
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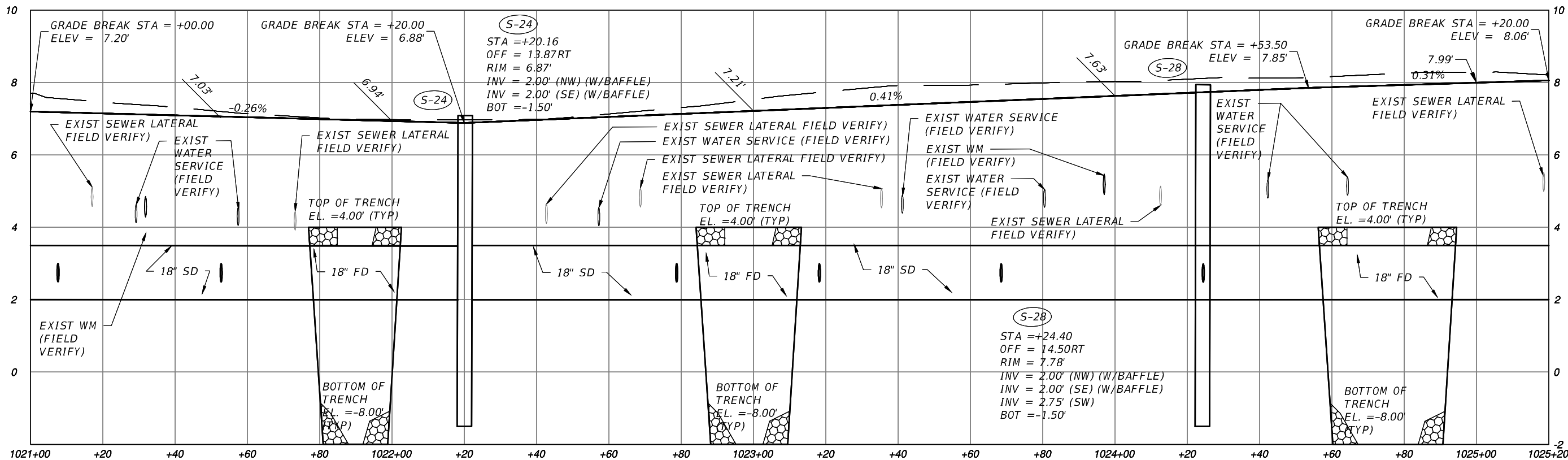
<p>DATE</p> <p>DESCRIPTION</p>	<p>REVISIONS</p> <p>DATE</p> <p>DESCRIPTION</p>	<p>EAC EAC Consulting, Inc. CA.# 7011</p>	<p>TOWN OF MEDLEY DEPARTMENT OF ENGINEERING</p>	<p>ROADWAY PLAN & PROFILE (4 OF 7)</p>	<p>SHEET NO.</p> <p>C-4.4</p>
		<p>MICHAEL ADEIFE, P.E. P.E. LICENSE NO. 56094 EAC CONSULTING, INC. 815 NW 57TH AVE, SUITE 402 MIAMI, FL 33126 WWW.EACCONSULT.COM</p>	<p>PROJECT STREET</p> <p>NW S RIVER DRIVE</p>	<p>COUNTY</p> <p>MIAMI-DADE</p>	

MATCH LINE STA. 1021+00.00
(SEE SHEET C-4.4)

MATCH LINE STA. 1025+20.00
(SEE SHEET C-4.6)



ENGINEER'S NOTE:
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REVISIONS		REVISIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION

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CA.# 7011

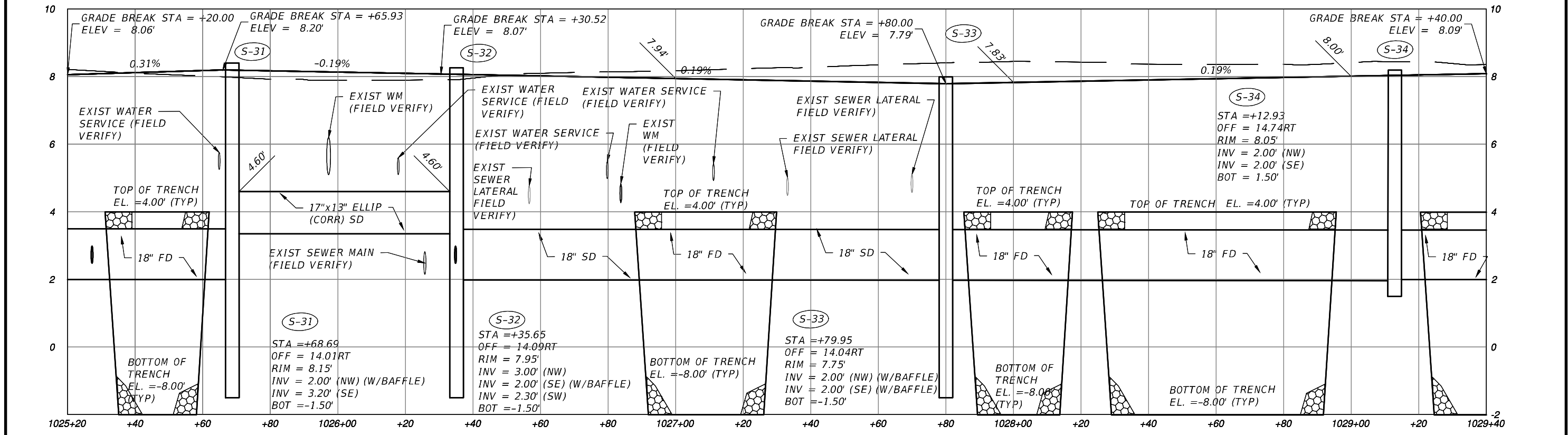
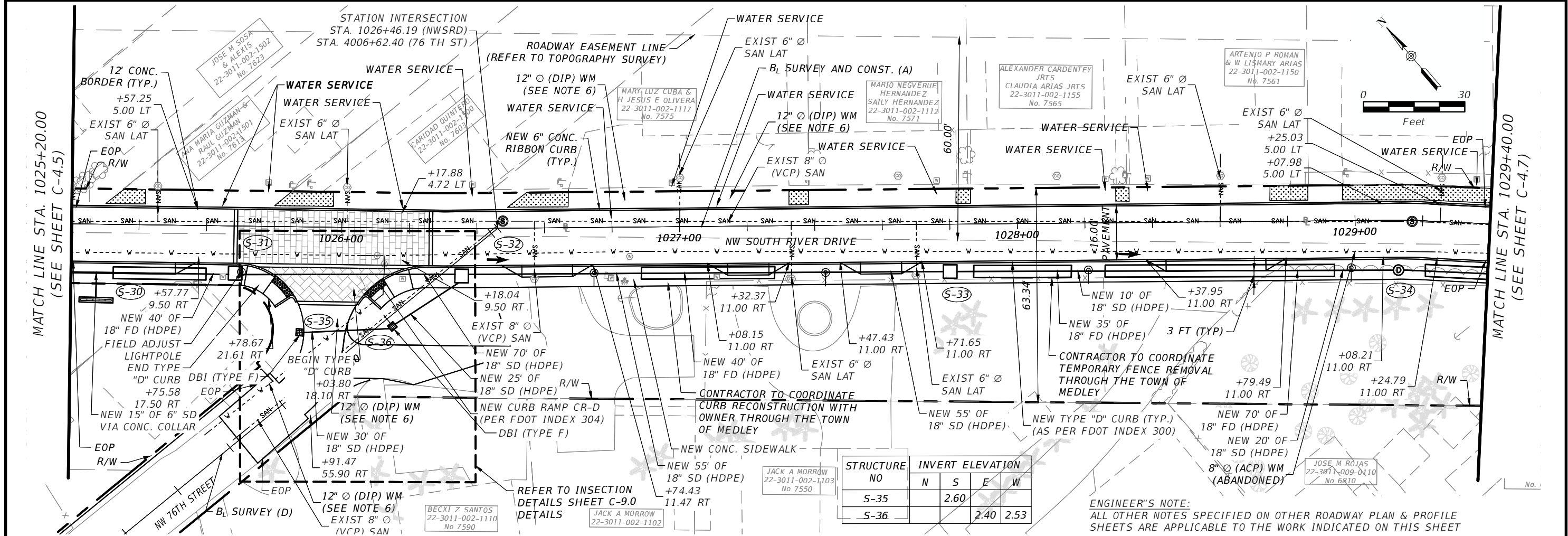
MICHAEL ADEIFE, P.E.
P.E. LICENSE NO. 56094
EAC CONSULTING, INC.
815 NW 57TH AVE, SUITE 402
MIAMI, FL 33126
WWW.EACCONSULT.COM

TOWN OF MEDLEY
DEPARTMENT OF ENGINEERING

PROJECT STREET: **NW S RIVER DRIVE**
COUNTY: **MIAMI-DADE**

ROADWAY PLAN & PROFILE
(5 OF 7)

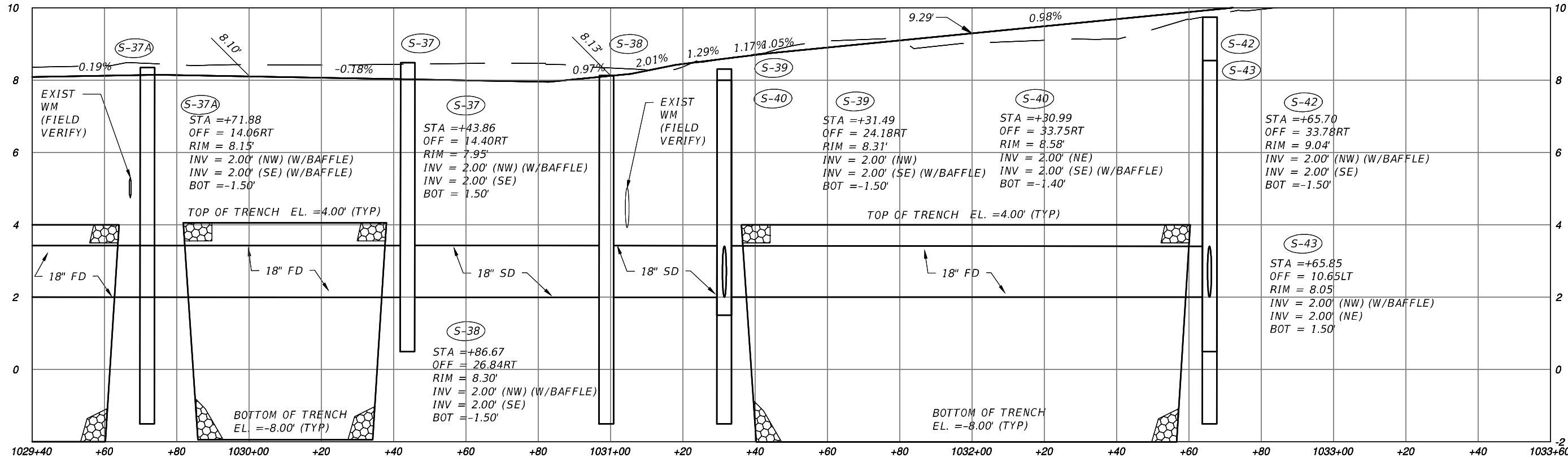
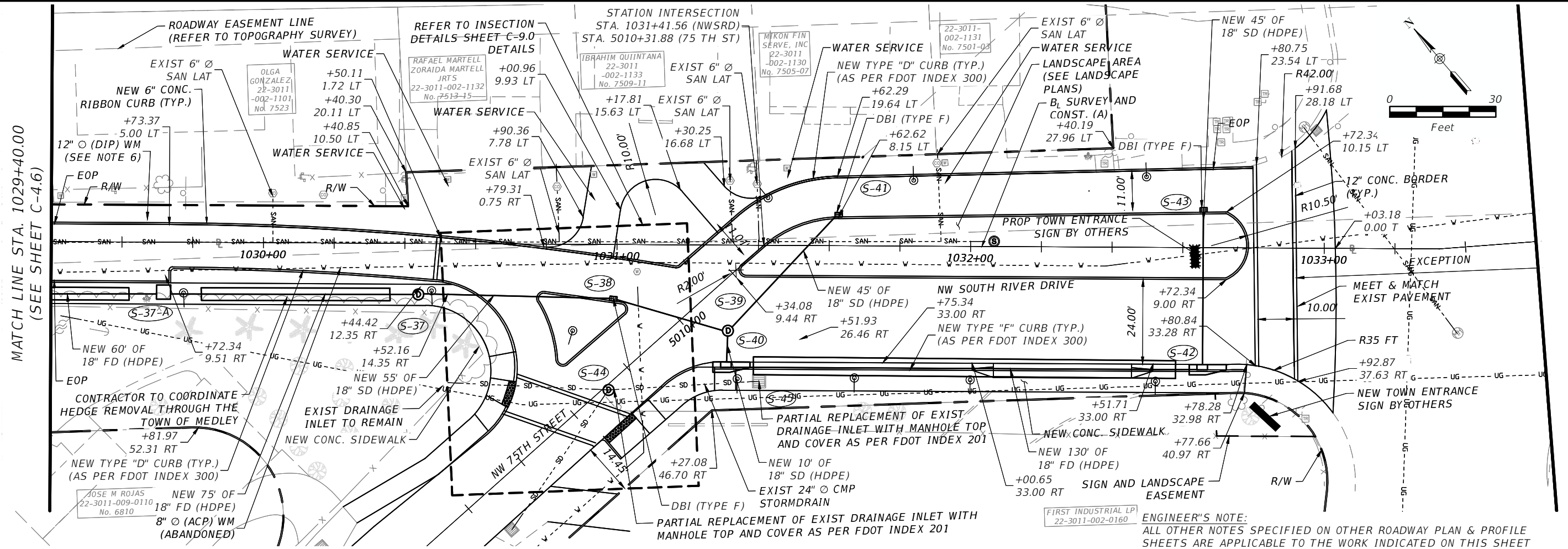
SHEET NO.
C-4.5



REVISIONS		REVISIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION

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			NW S RIVER DRIVE	MIAMI-DADE

ROADWAY PLAN & PROFILE (6 OF 7)	SHEET NO. C-4.6
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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

EAC
EAC Consulting, Inc.
CA.# 7011

MICHAEL ADEIFE, P.E.
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TOWN OF MEDLEY
DEPARTMENT OF ENGINEERING

PROJECT STREET: NW S RIVER DRIVE
COUNTY: MIAMI-DADE

ROADWAY PLAN & PROFILE
(7 OF 7)

SHEET NO.
C-4.7

BID BOND

STATE OF FLORIDA
COUNTY OF MIAMI-DADE

KNOW ALL MEN BY THESE PRESENTS, that we, _____ as Principal and as Surety are held and firmly bound unto the Town of Medley, a municipal corporation of the State of Florida in the penal sum of _____ Dollars (\$_____), lawful money of the United States, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators and successors jointly and severally, firmly by these presents. THE CONDITION OF THIS OBLIGATION IS SUCH that whereas the Principal has submitted the accompanying Bid, dated _____, 20__ for:
Project Description:

ITB NO. 2015-005

**NW SOUTH RIVER DRIVE & EASTSIDE STREETS
ROADWAY & DRAINAGE IMPROVEMENTS
(FROM NW 72ND AVENUE TO NW 74 STREET)
AND
RIVERSIDE NIP WATER DISTRIBUTION IMPROVEMENTS
NW SOUTH RIVER DRIVE 12-INCH WATERMAIN REPLACEMENT
(FROM NW 72ND AVENUE TO NW 74 STREET)**

- A. The Contractor shall furnish all supervision, labor, materials, tools, equipment, and performing all operations required to construct the Town of Medley Capital Improvements Project Number SW-0117, NW South River Drive and Eastside Streets Roadway & Drainage Improvements between NW 72nd Avenue and NW 74 Street in accordance with the Contract Documents and as described in the Drawings, General Notes, and Bid Specifications. Work includes, but is not limited to, the construction of roadway and stormwater drainage infrastructure within NW South River Drive including but not limited to, construction of 6-inch diameter, 12-inch diameter, 14"x17" elliptical, 15-inch diameter, 18-inch diameter, 24-inch diameter, 30-inch diameter HDPE and CMP storm drain piping and HDPE double-walled perforated piping as specified; laying out of pipe, pavement removal, trenching/excavation, shoring, fittings, flowable fill, backfill, pavement restoration, drainage structures, required length of exfiltration trenches (3 feet 6-inches width x 15 feet depth), asphalt paving, sidewalk/curbing removal/replacement, pavement markings, landscape improvements, hardscape improvements, street furnishings, street decorative lighting, testing, traffic signage, development of as-builts, clearances/certifications, protection of existing/proposed structures, and activation to comply with the requirements of Miami-Dade Regulatory and Economic Resources (RER) Department in accordance with all applicable jurisdictional requirements and regulations, project specifications and permitted construction drawings.

- B. The Contractor shall furnish all supervision, labor, materials, tools, equipment, and performing all operations required to construct the Town of Medley Capital Improvements Project Number WS-0111, NW South River Drive 12-inch Ductile Iron Pipe watermain Replacement between NW 72nd Avenue and NW 74 Street in accordance with the Contract Documents and as described in the Drawings, General Notes, and Bid Specifications. Work includes, but is not limited to, the construction of a replacement water main along NW South River Drive, service connections for individual properties, new fire hydrants and associated connections, new connection at existing WASD meter & Service point, roadway restoration improvements, asbestos materials impacts management, oversight & disposal, traffic signalization improvements/restoration, abandonment in place of existing 8-inch Asbestos Concrete Pipe

watermain, abandonment of existing services, utility investigation & coordination, testing and placing into service of new installation in accordance with all applicable jurisdictional requirements and regulations.

NOW, THEREFORE,

1. If said Bid shall be rejected, or in the alternate.
2. If said Bid shall be accepted and the Principal shall properly execute and deliver to said Town the appropriate Contract Documents, and shall in all respects fulfill all terms and conditions attributable to the acceptance of said Bid, then this obligation shall be void; otherwise, it shall remain in force and effect, it being expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall in no event exceed the amount of this obligation as herein stated.

The Surety, for value received, hereby agrees that the obligations of the said Surety and its Bond shall be in no way impaired or affected by any extension of time within which said Town may accept such Bid; and said Surety does hereby waive notice of any extension.

IN WITNESS WHEREOF, the above bonded parties have executed this instrument under their several seals this _____ day of _____, 20____, the name and the corporate seal of each corporate party being hereto affixed and these presents being duly signed by its undersigned representative.

IN PRESENCE OF:

(Individual or Partnership Principal)

(SEAL)

(Business Address)

(Town/State/Zip)

(Business Phone)

ATTEST:

Secretary

(Corporate Principal)*

By: _____

(Title)

Secretary

(Corporate Surety)*

By: _____

*Impress Corporate Seal

IMPORTANT Surety companies executing Bonds must appear on the Treasury Department's most current list (circular 570 as amended) and be authorized to transact business in the State of Florida.