

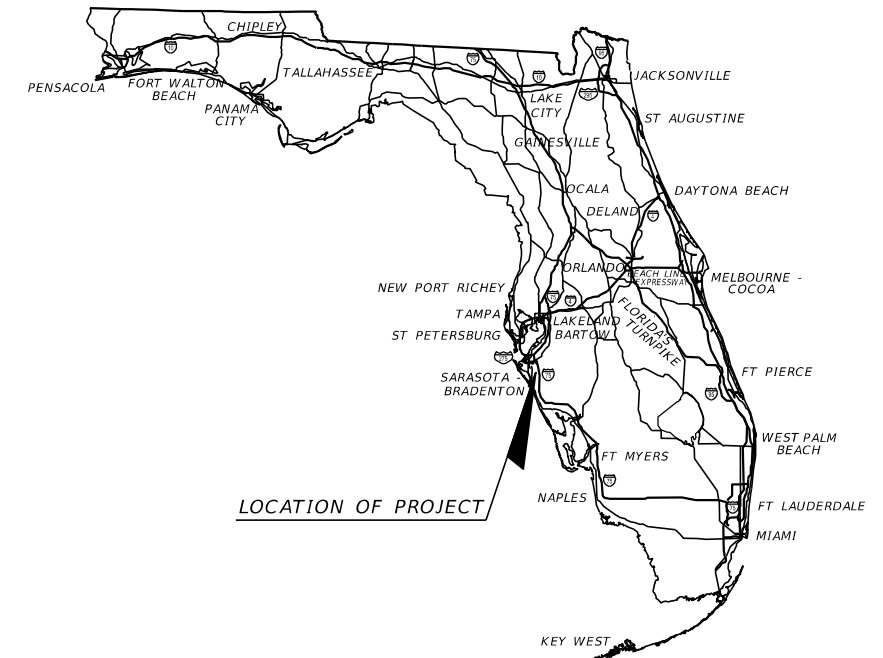
CONTRACT PLANS COMPONENTS

SIGNING AND PAVEMENT MARKING
 SIGNALIZATION
 LIGHTING

**MANATEE COUNTY
 PUBLIC WORKS DEPARTMENT**

CONTRACT PLANS

**MANATEE COUNTY
 PROJECT NUMBER 6045662
 44TH AVENUE EAST
 PHASE I
 FROM 44TH AVENUE PLAZA EAST TO I-75**



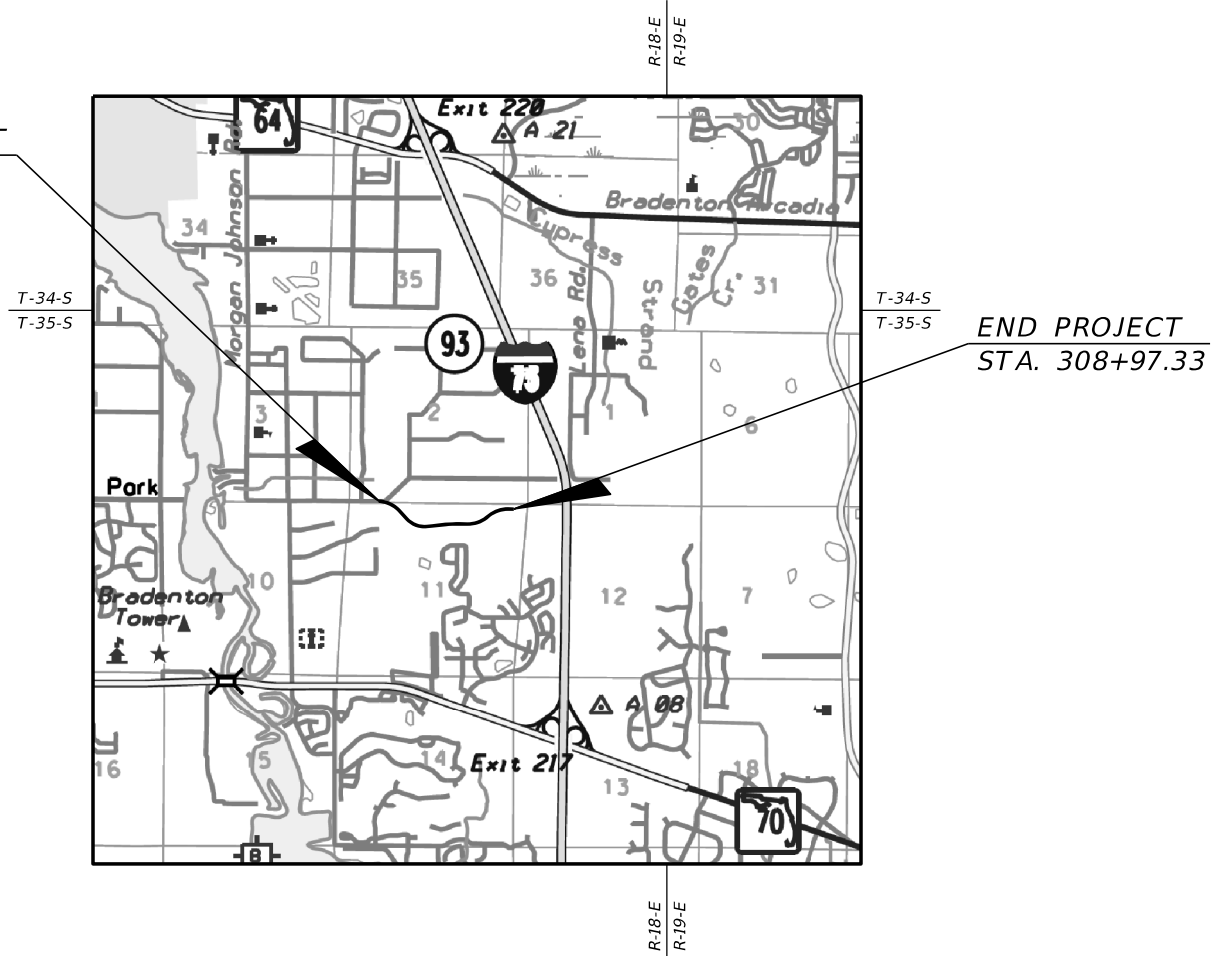
INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2C	SIGNATURE SHEET
3	SUMMARY OF PAY ITEMS
4 - 6	DRAINAGE MAPS
7	EXISTING DRAINAGE STRUCTURES
8 - 11	TYPICAL SECTIONS
12 - 13	SUMMARY OF DRAINAGE STRUCTURES
14	PROJECT LAYOUT
CTL-1	PROJECT CONTROL SHEET
15	GENERAL NOTES
16 - 23	ROADWAY PLAN & PROFILES
24	SUPERELEVATION TRANSITION DETAILS
25 - 39	DRAINAGE STRUCTURES
40 - 41	DRAINAGE DETAILS
42 - 43	POND PLAN SHEETS
44	POND TYPICAL SECTIONS
GR-1	POND SOIL SURVEY
45 - 46	WETLAND IMPACT SHEETS
GR-2	ROADWAY SOIL SURVEY
47 - 63	ROADWAY CROSS SECTIONS
64 - 69	EROSION CONTROL PLAN
70	TRAFFIC CONTROL GENERAL NOTES
71 - 74	TRAFFIC CONTROL PLANS
75 - 82	UTILITY ADJUSTMENT SHEETS

FOR INFORMATION ONLY

DET-1 - DET-2 ROADWAY DETAILS

BEGIN PROJECT
 STA. 260+00.00



END PROJECT
 STA. 308+97.33

**REVISION 03
 11/2019**

GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY2019-20 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

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

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

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, July 2019 Standard Specifications for Road and Bridge Construction at the following website: <http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

REVISIONS:

- 1 Roadway Sheets 1, 2A, 16, DET-1, & DET-2 (Revised 10-10-19)
- 1 Signal Sheets T-1, T-2, & T-27-T-28 (Revised 10-10-19)
- 2 Roadway Sheets 1, 2B, 3, 12-13, 31-32, 34-35, & 41 (Revised 10-15-19)
- 3 Roadway Sheets 1, 2C, 3, 12-13, 16, 41, 44-46, 64-66, 68-69 & 75 (Revised 11-15-19)

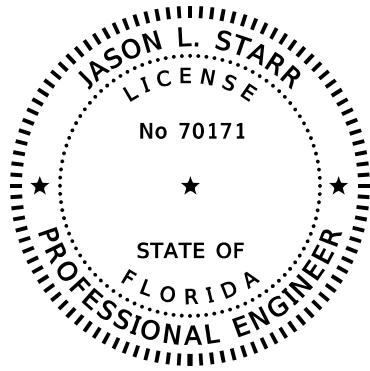
**ROADWAY PLANS
 ENGINEER OF RECORD:**

JASON L. STARR, P.E.
 P.E. NO.: 70171
 HDR ENGINEERING, INC.
 2601 CATTLEMEN ROAD, SUITE 400
 SARASOTA, FLORIDA 34232
 FBPR CERTIFICATE OF AUTHORIZATION NO. 4213
 VENDOR NO. 47-0680568
 CONTRACT NO. C9480

MANATEE COUNTY PROJECT MANAGER:
 ERIC S. SHROYER, P.E.

FISCAL YEAR	SHEET NO.
19	1

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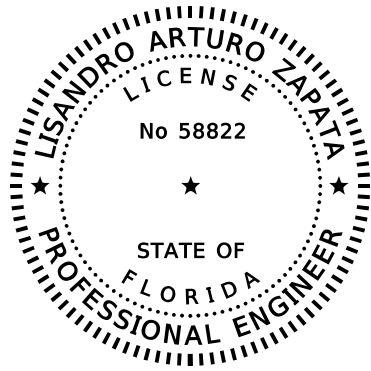
ON THE DATE ADJACENT TO THE SEAL

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HDR ENGINEERING, INC.
2601 CATTLEMEN ROAD, SUITE 400
SARASOTA, FLORIDA 34232-6212
CERTIFICATE OF AUTHORIZATION NO. 4213
JASON L. STARR, PE NO. 70171

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

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2C	SIGNATURE SHEET
3	SUMMARY OF PAY ITEMS
16	ROADWAY PLAN & PROFILE
75	UTILITY ADJUSTMENT SHEET



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ON THE DATE ADJACENT TO THE SEAL

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HDR ENGINEERING, INC.
2601 CATTLEMEN ROAD, SUITE 400
SARASOTA, FLORIDA 34232-6212
CERTIFICATE OF AUTHORIZATION NO. 4213
LISANDRO ARTURO ZAPATA, PE NO. 58822

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

SHEET NO.	SHEET DESCRIPTION
2C	SIGNATURE SHEET
12 - 13	SUMMARY OF DRAINAGE STRUCTURES
41	DRAINAGE DETAILS
44	POND TYPICAL SECTIONS
45 - 46	WETLAND IMPACT SHEETS
64 - 66, 68 - 69	EROSION CONTROL PLAN

3	New Sheet	11/2019	JLS	SCALE AS NOTED	HDR ENGINEERING, INC.	DATE 11/2019	 MANATEE COUNTY PUBLIC WORKS	DESIGN ENGINEER JASON L. STARR	SIGNATURE SHEET	SHEET NO.
				DESIGNED BY JLS	2601 CATTLEMEN ROAD, SUITE 400	PROJECT NO. 6045662		FL. LICENSE NO. 70171		2C
				DRAWN BY JHC	SARASOTA, FLORIDA 34232					
No.	REVISIONS	DATE	BY	CHECKED BY DRH	CERTIFICATE OF AUTHORIZATION 4213					

ROADWAY PLANS

ITEM NO.	ITEM	UNIT	QUANTITY
101-1	MOBILIZATION	LS	1
102-1	MAINTENANCE OF TRAFFIC	LS	1
104-10-3	SEDIMENT BARRIER	LF	8,349
104-11	FLOATING TURBIDITY BARRIER	LF	438
104-12	STAKED TURBIDITY BARRIER- NYLON REINFORCED PVC	LF	156
104-15	SOIL TRACKING PREVENTION DEVICE	EA	2
104-18	INLET PROTECTION SYSTEM	EA	48
107-1	LITTER REMOVAL	AC	5.28
107-2	MOWING	AC	5.28
110-1-1	CLEARING AND GRUBBING	AC	11.12
110-4-10	REMOVAL OF EXISTING CONCRETE	SY	3,269
120-1	REGULAR EXCAVATION	CY	16,689
120-6	EMBANKMENT	CY	3,749
160-4	TYPE B STABILIZATION	SY	23,825
285-709	OPTIONAL BASE (BASE GROUP 09)	SY	21,028
327-70-6	MILLING EXIST. ASPH. PAVT., 1 1/2" AVG. DEPTH	SY	11,740
334-1-13	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C	TN	3,470
337-7-83	ASPHALT FRICTION COURSE, TRAFFIC C, FC-12.5, PG 76-22	TN	3,023
400-0-11	CONCRETE CLASS NS GRAVITY WALL	CY	75
425-1-351	INLETS, CURB, TYPE P-5, < 10'	EA	24
425-1-355	INLETS, CURB, TYPE P-5, PARTIAL	EA	2
425-1-361	INLETS, CURB, TYPE P-6, < 10'	EA	2
425-1-365	INLETS, CURB, TYPE P-6, PARTIAL	EA	4
425-1-451	INLETS, CURB, TYPE J-5, < 10'	EA	3
425-1-461	INLETS, CURB, TYPE J-6, < 10'	EA	3
425-1-529	INLETS, DT BOT, TYPE C, MODIFY	EA	1
425-1-541	INLETS, DT BOT, TYPE D, <10'	EA	2
425-1-549	INLETS, DT BOT, TYPE D, MODIFY	EA	2
425-2-61	MANHOLES, P-8, < 10'	EA	3
425-2-63	MANHOLES, P-8, PARTIAL	EA	1
425-2-91	MANHOLES, J-8, < 10'	EA	2
425-11	MODIFY EXISTING DRAINAGE STRUCTURE	EA	3
430-175-115	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 15" S/CD	LF	141
430-175-118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18" S/CD	LF	2,679
430-175-124	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 24" S/CD	LF	636
430-175-130	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 30" S/CD	LF	99
430-175-136	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 36" S/CD	LF	360
430-175-218	PIPE CULVERT, OPTIONAL MATERIAL, OTHER SHAPE-ELIP/ARCH, 18" S/CD	LF	8
430-175-224	PIPE CULVERT, OPTIONAL MATERIAL, OTHER SHAPE-ELIP/ARCH, 24" S/CD	LF	4
430-982-123	MITERED END SECTION, OPTIONAL ROUND, 15" CD	EA	1
430-982-125	MITERED END SECTION, OPTIONAL ROUND, 18" CD	EA	1
430-982-129	MITERED END SECTION, OPTIONAL ROUND, 24" CD	EA	2
430-982-138	MITERED END SECTION, OPTIONAL ROUND, 30" CD	EA	1
430-982-133	MITERED END SECTION, OPTIONAL ROUND, 36" CD	EA	1
515-1-1	PIPE HANDRAIL - GUIDERAIL, STEEL	LF	550
520-1-10	CONCRETE CURB & GUTTER, TYPE F	LF	4,753
520-2-2	CONCRETE CURB & GUTTER, TYPE AB	LF	8,707
522-1	CONCRETE SIDEWALK & DRIVEWAYS, 4" THICK	SY	4,531
522-2	CONCRETE SIDEWALK & DRIVEWAYS, 6" THICK	SY	170
524-1-2	CONCRETE DITCH PAVEMENT, NON REINFORCED, 4"	SY	11.9
527-2	DETECTABLE WARNINGS	SF	379
570-1-2	PERFORMANCE TURF (SOD)	SY	18,705
710-11-101	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	GM	3,114
710-11-125	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR STOP LINE, 24"	LF	183
710-11-201	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	GM	2,947

LIGHTING PLANS

ITEM NO.	ITEM	UNIT	QUANTITY
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	8,295
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	1,765
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	57
715-1-12	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 8 - 6	LF	34,727
715-1-13	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 4 - 2	LF	500
715-4-13	LIGHT POLE COMPLETE, F&I STANDARD POLE STANDARD FOUNDATION, 40' MOUNTING HEIGHT	EA	22
715-4-23	LIGHT POLE COMPLETE, F&I STANDARD POLE SPECIAL FOUNDATION, 40' MOUNTING HEIGHT	EA	31
715-7-11	LOAD CENTER, F&I, SECONDARY VOLTAGE	EA	1
715-11-111	LUMINAIRE, F&I, ROADWAY, COBRAHEAD	EA	2
715-500-1	POLE CABLE DISTRIBUTION SYSTEM, CONVENTIONAL	EA	53

SIGNALIZATION PLANS

ITEM NO.	ITEM	UNIT	QUANTITY
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	3,316
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	779
630-2-14	CONDUIT, FURNISH & INSTALL, ABOVE GROUND	LF	30
632-7-1	SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	PI	1
633-1-121	FIBER OPTIC CABLE, F&I, UNDERGROUND, 2-12 FIBERS	LF	220
633-1-122	FIBER OPTIC CABLE, F&I, UNDERGROUND, 13-48 FIBERS	LF	3,994
633-2-31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	EA	8
633-3-11	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE ENCLOSURE	EA	2
633-3-12	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE TRAY	EA	2
633-3-15	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED PATCH PANEL	EA	2
633-8-1	MULTICONDUCTOR COMMUNICATION CABLE, F&I	LF	460
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	15
635-2-12	PULL & SPLICE BOX, F&I, 24" x 36" COVER SIZE	EA	3
635-2-13	PULL & SPLICE BOX, F&I, 30" x 60" RECTANGULAR OR 36" ROUND COVER SIZE	EA	2
639-1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS	1
639-2-1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF	807
639-3-11	ELECTRICAL SERVICE DISCONNECT, F&I, POLE MOUNT	EA	1
639-4-6	EMERGENCY GENERATOR- PORTABLE, INSTALL HOUSING ONLY	EA	1
641-2-12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	EA	1
641-2-13	PRESTRESSED CONCRETE POLE, F&I, TYPE P-III	EA	1
646-1-11	ALUMINUM SIGNALS POLE, FURNISH & INSTALL PEDESTAL	EA	6
649-21-6	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50'	EA	3
650-1-14	TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	6
650-1-16	TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 4 SECTION, 1 WAY	AS	2
653-1-11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	6
660-3-11	VEHICLE DETECTION SYSTEM- MICROWAVE, F&I CABINET EQUIPMENT	EA	2
660-3-12	VEHICLE DETECTION SYSTEM- MICROWAVE, F&I, ABOVE GROUND EQUIPMENT	EA	4
660-6-121	VEHICLE DETECTION SYSTEM- AVI, BLUETOOTH, FURNISH & INSTALL, CABINET EQUIPMENT	EA	1
660-6-122	VEHICLE DETECTION SYSTEM- AVI, BLUETOOTH, FURNISH & INSTALL, ABOVE GROUND EQUIPMENT	EA	1
663-1-111	SIGNAL PRIORITY AND PREEMPTION SYSTEM, F&I, OPTICAL, CABINET ELECTRONICS	EA	1
663-1-112	SIGNAL PRIORITY AND PREEMPTION SYSTEM, F&I, OPTICAL, DETECTOR	EA	3
665-1-11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	6
670-5-112	TRAFFIC CONTROLLER ASSEMBLY, F&I, NEMA, 2 PREEMPTION	AS	1
676-2-122	ITS CABINET, FURNISH & INSTALL, POLE MOUNT W/ SUNSHIELD, 336S, 24"Wx46"Hx22"D	EA	1
682-1-113	ITS CCTV CAMERA, F&I, DOME PTZ ENCLOSURE - PRESSURIZED, IP, HIGH DEFINITION	EA	1
684-1-11	MANAGED FIELD ETHERNET SWITCH, F&I	EA	2
684-6-11	WIRELESS COMMUNICATION DEVICE, FURNISH & INSTALL, ETHERNET ACCESS POINT	EA	1
684-6-12	WIRELESS COMMUNICATION DEVICE, FURNISH & INSTALL, ETHERNET SUBSCRIBER UNIT	EA	1
685-1-11	UNINTERRUPTIBLE POWER SUPPLY, FURNISH AND INSTALL, LINE INTERACTIVE	EA	1
685-1-12	UNINTERRUPTIBLE POWER SUPPLY, FURNISH AND INSTALL, ONLINE/DOUBLE CONVERSION	EA	1
700-3-201	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, UP TO 12 SF	EA	2
700-5-22	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL, OVERHEAD MOUNT, 12-18 SF	EA	3

SIGNING AND PAVEMENT MARKING PLANS

ITEM NO.	ITEM	UNIT	QUANTITY
654-2-21	RRFB, F&I- SOLAR POWERED, COMPLETE SIGN ASSEMBLY- SINGLE DIRECTION	AS	2
654-2-22	RRFB, F&I- SOLAR POWERED, COMPLETE SIGN ASSEMBLY- BACK TO BACK	AS	1
700-1-11	SINGLE POST SIGN, F&I, GROUND MOUNT, UP TO 12 SF	AS	36
700-1-12	SINGLE POST SIGN, F&I, GROUND MOUNT, 12-20 SF	AS	9
700-1-13	SINGLE POST SIGN, F&I, GROUND MOUNT, 21-30 SF	AS	5
700-1-50	SINGLE POST SIGN, RELOCATE	AS	3
700-1-74	SINGLE POST SIGN, F&I CUSTOM, 31+ SF	AS	1
700-2-14	MULTI - POST SIGN, F&I GROUND MOUNT, 31-50 SF	AS	2
700-3-601	SIGN PANEL, REMOVE, UP TO 12 SF	EA	3
705-10-1	OBJECT MARKER, TYPE 1	EA	14
705-11-1	DELINEATOR, FLEXIBLE TUBULAR, YELLOW - YELLOW	EA	8
710-11-290	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, ISLAND NOSE	SF	124
710-90	PAINTED PAVEMENT MARKINGS, FINAL SURFACE	LS	1
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	1,448
711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE	LF	290
711-11-141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"	GM	0.545
711-11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	25
711-11-224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	256
711-11-241	THERMOPLASTIC, STANDARD, YELLOW, 2-4 DOTTED GUIDELINE/6-10 DOTTED EXTENSION, 6"	GM	0.186
711-14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	LF	526
711-14-160	THERMOPLASTIC, PREFORMED, WHITE, BIKE MESSAGE	EA	8
711-14-170	THERMOPLASTIC, PREFORMED, WHITE, BIKE ARROW	EA	8
711-16-101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	3,284
711-16-131	THERMOPLASTIC, OTHER SURFACES, WHITE, SKIP, 6",10-30 SKIP OR 3-9 LANE DROP	GM	1,706
711-16-201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	1,852

3	Quantity Changes	11/2019	JLS	SCALE	AS NOTED	HDR ENGINEERING, INC.	DATE	11/2019	DESIGN ENGINEER	JASON L. STARR	SHEET NO.
2	Quantity Changes	10/2019	JLS	DESIGNED BY	JLS	2601 CATTLEMEN ROAD, SUITE 400	PROJECT NO.	6045662	FL. LICENSE NO.	70171	
				DRAWN BY	JHC	SARASOTA, FLORIDA 34232					
				CHECKED BY	DRH	CERTIFICATE OF AUTHORIZATION 4213					
No.	REVISIONS	DATE	BY								

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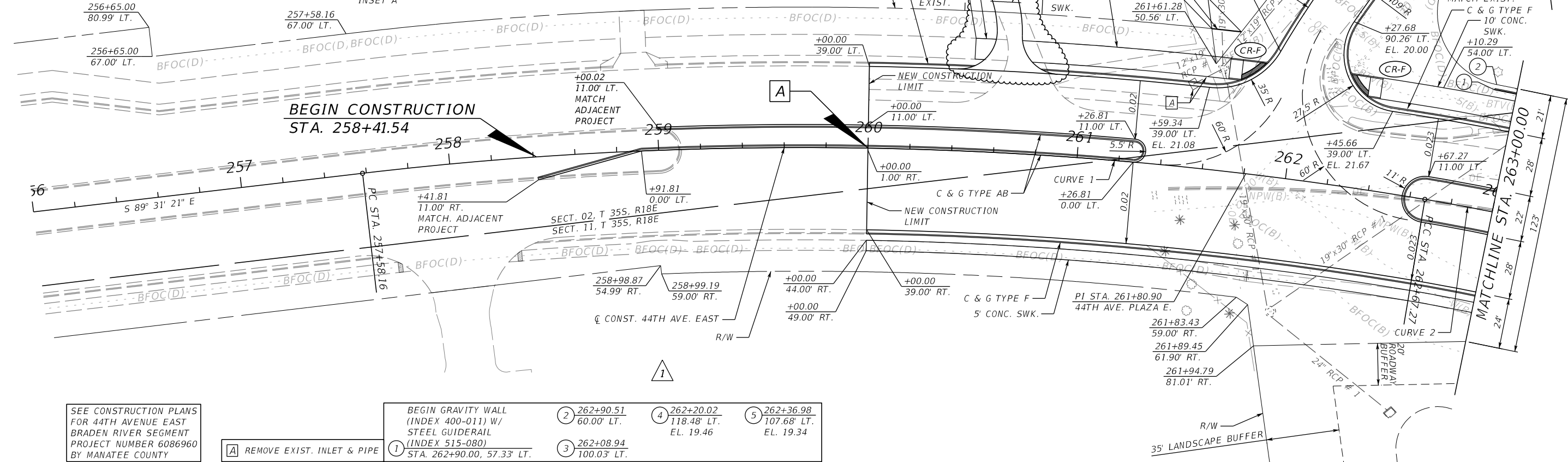
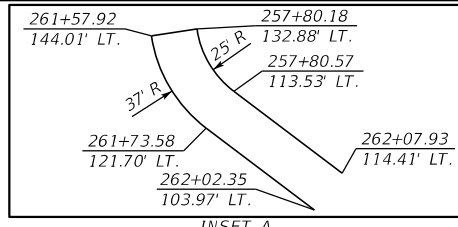
SUMMARY OF PAY ITEMS



MANATEE COUNTY PUBLIC WORKS

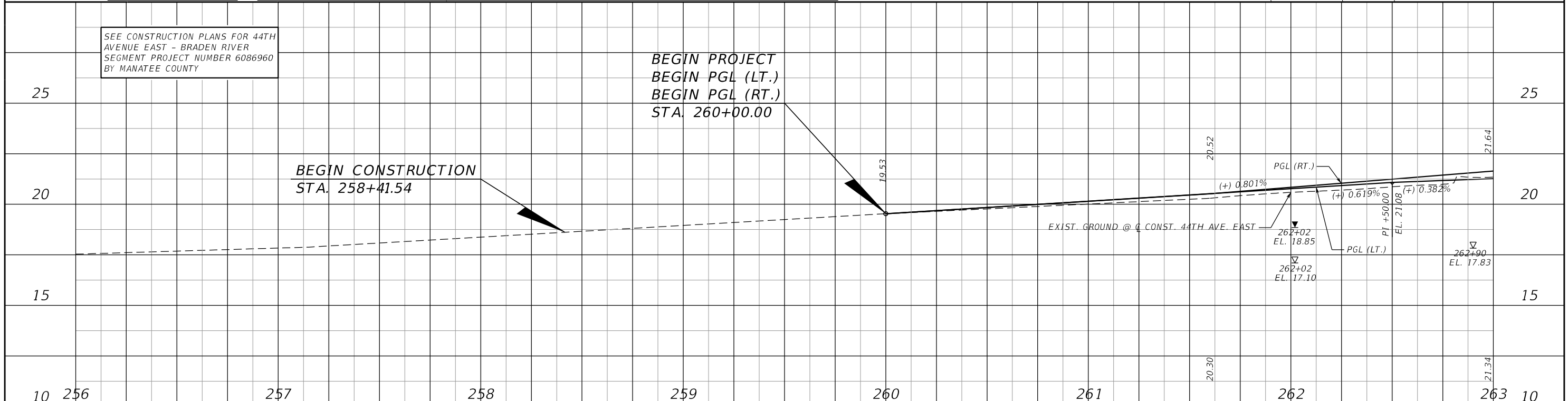
44TH AVENUE EAST

BEGIN PROJECT
 BEGIN PGL (LT.)
 BEGIN PGL (RT.)
 STA. 260+00.00



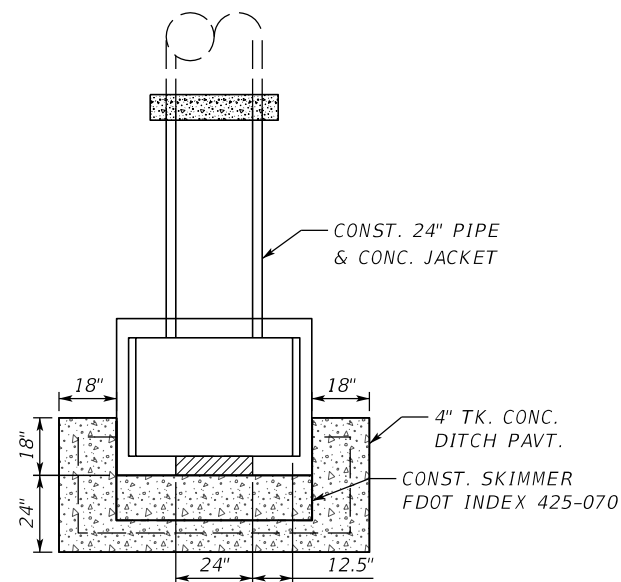
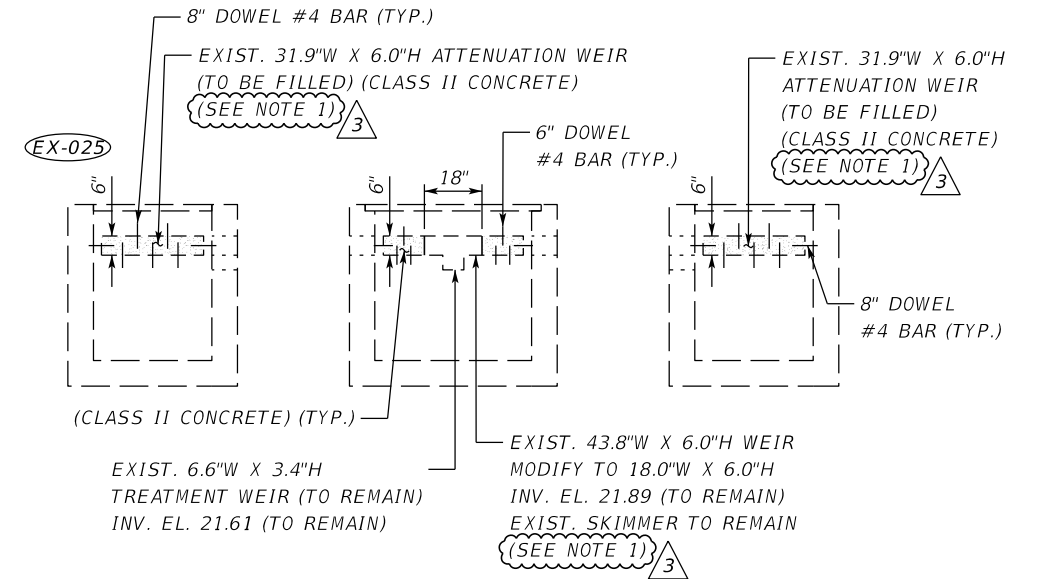
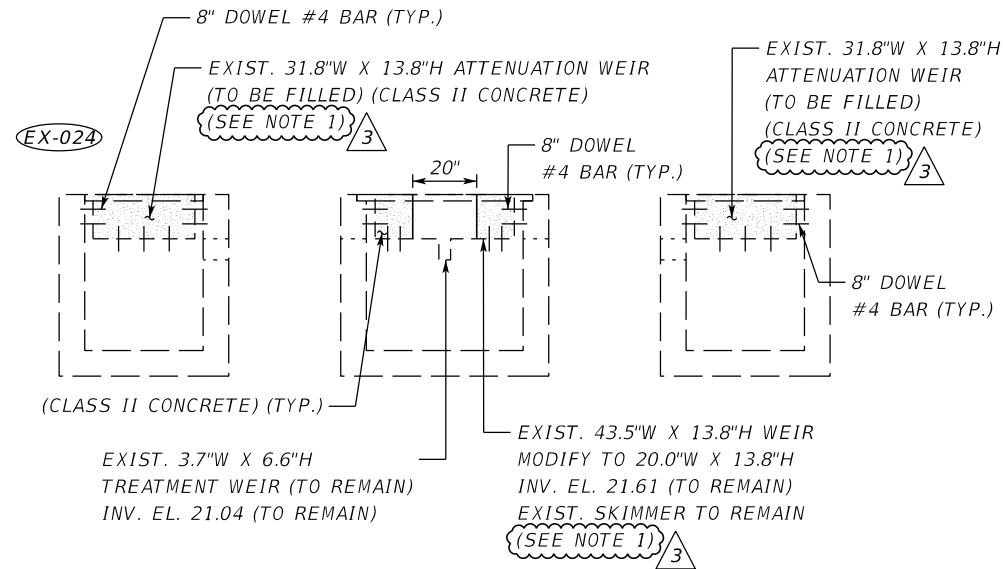
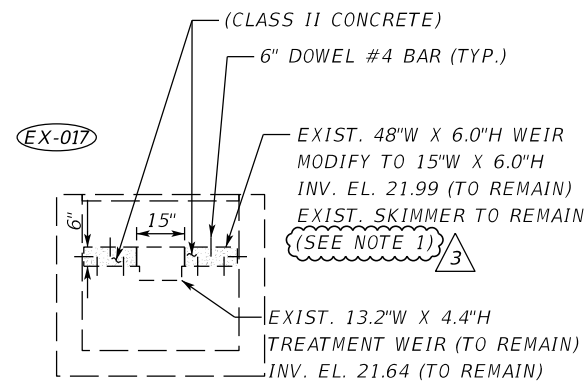
SEE CONSTRUCTION PLANS FOR 44TH AVENUE EAST BRADEN RIVER SEGMENT PROJECT NUMBER 6086960 BY MANATEE COUNTY

① REMOVE EXIST. INLET & PIPE	② BEGIN GRAVITY WALL (INDEX 400-011) W/ STEEL GUIDERAIL (INDEX 515-080) STA. 262+90.00, 57.33' LT.	③ 262+08.94 100.03' LT.	④ 262+20.02 118.48' LT. EL. 19.46	⑤ 262+36.98 107.68' LT. EL. 19.34
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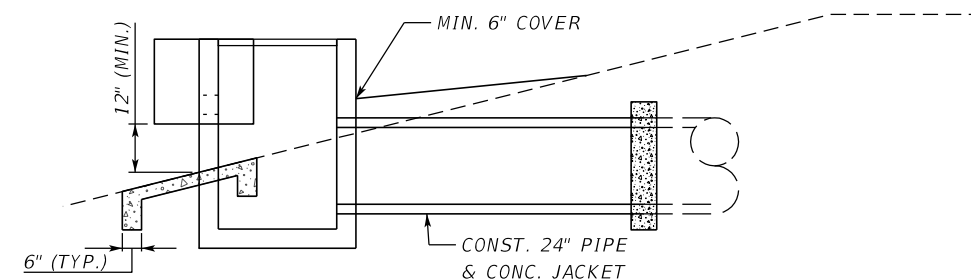
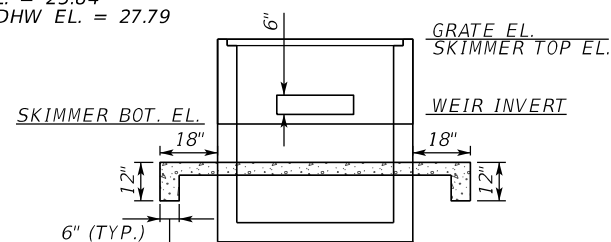
3	Property Owner Access Adjustments	11/2019	JLS	SCALE AS NOTED	HDR ENGINEERING, INC.	DATE 11/2019	DESIGN ENGINEER JASON L. STARR	FL. LICENSE NO. 70171	ROADWAY PLAN AND PROFILE (1)	SHEET NO. 16
1	Coordination with adjacent project	10/2019	JLS							
			JLS							
			JHC							
			JHC							
			DRH							
No.	REVISIONS	DATE	BY							

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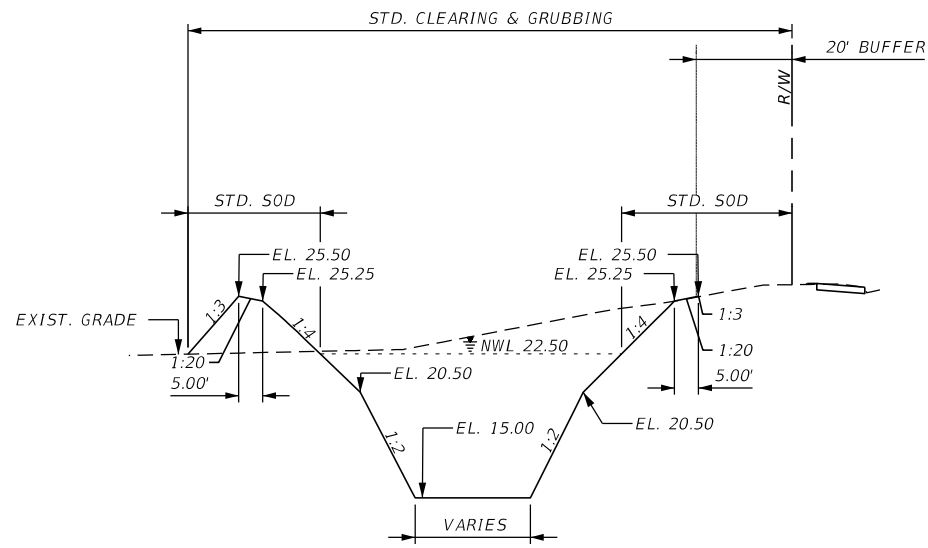
5-305 2
 STA. 286+26.28 (275.08' RT)
 CONST. DBI TYPE D (MODIFY)
 SKIMMER TOP EL. 27.80
 GRATE EL. 27.80
 WEIR EL. 25.84
 SKIMMER BOT. EL. 25.59
 INDEX NO.'S 425-001, 425-010, AND 425-052
 FL 23.60

SMF09
 NWL EL. = 25.84
 25-YR DHW EL. = 27.79



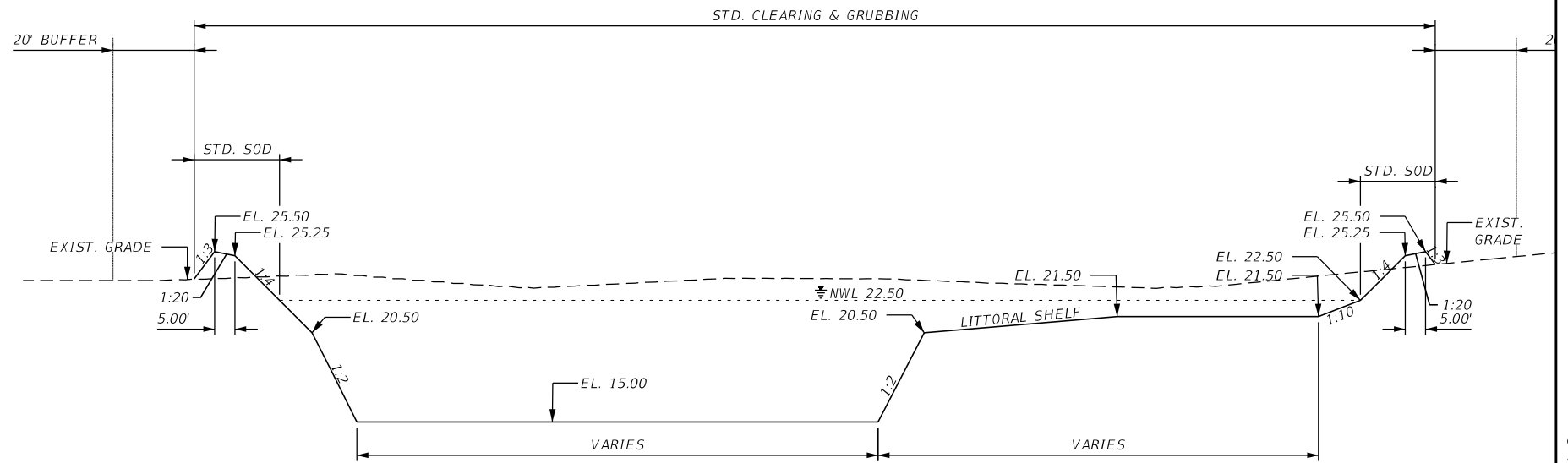
- NOTES:
- (1) THE WORK PERFORMED IS TO BE PAID FOR USING FDOT PAY ITEM NO. 0425-11: MODIFY EXISTING DRAINAGE STRUCTURE.
 - (2) THE COST FOR THE CLASS II CONCRETE AND REBAR IS TO BE INCLUDED IN THE COST FOR FDOT PAY ITEM NO. 0425-11.

3	ADDITION OF NOTE 1 AND 2	11/2019	GAC	SCALE	AS NOTED	HDR ENGINEERING, INC.	DATE	11/2019	DESIGN ENGINEER	LISANDRO A. ZAPATA	SHEET NO.
2	STATIONING CHANGED FROM +36.74 TO +26.28	10/2019	GAC	DESIGNED BY	LAZ	2601 CATTLEMEN ROAD, SUITE 400	PROJECT NO.	6045662	FL. LICENSE NO.	58822	41
				DRAWN BY	GAC	SARASOTA, FLORIDA 34232					
				CHECKED BY	LAZ	CERTIFICATE OF AUTHORIZATION 4213					
No.	REVISIONS	DATE	BY								



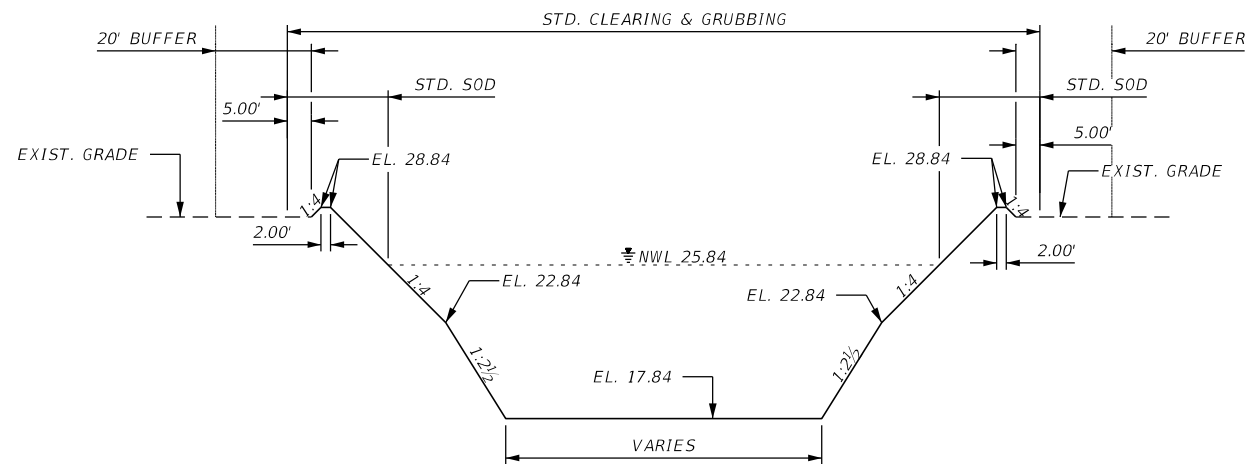
SMF07B A-A TYP. SECTION

HORIZONTAL: 1" = 40'
VERTICAL: 1" = 10'



SMF07B B-B TYP. SECTION

HORIZONTAL: 1" = 40'
VERTICAL: 1" = 10'



SMF09 TYPICAL SECTION

HORIZONTAL: 1" = 40'
VERTICAL: 1" = 10'

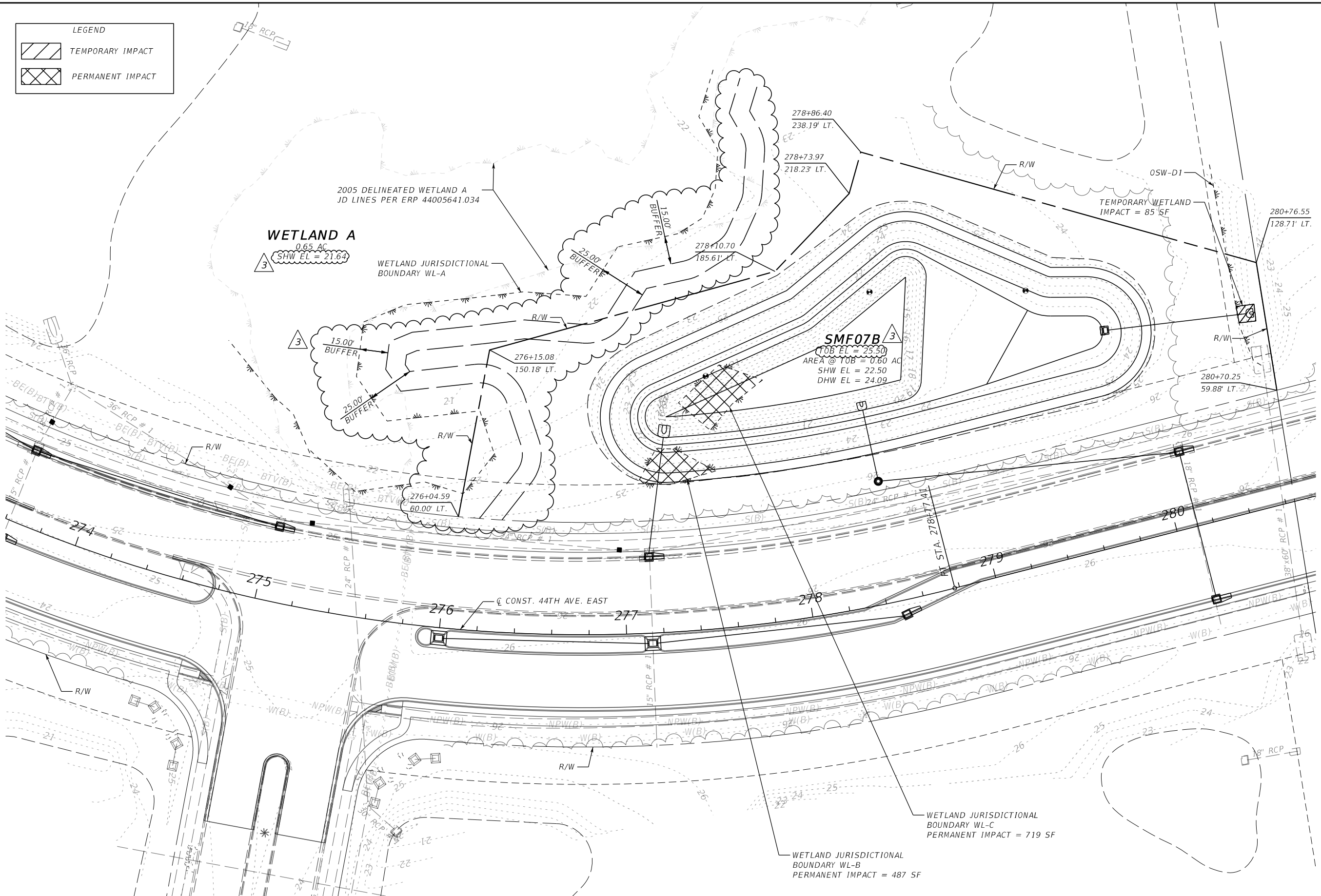
3

SUMMARY OF EARTHWORK	
SMF07B	
TOTAL EXCAVATION	2,564 CY
TOTAL EMBANKMENT	448 CY
SMF09	
TOTAL EXCAVATION	6,136 CY
TOTAL EMBANKMENT	0 CY

3	Added Earthwork Table	11/2019	JLS	SCALE	AS NOTED	HDR ENGINEERING, INC.	DATE	11/2019	DESIGN ENGINEER	LISANDRO A. ZAPATA	SHEET NO.
				DESIGNED BY	LAZ	2601 CATTLEMEN ROAD, SUITE 400	PROJECT NO.	6045662	FL. LICENSE NO.	58822	
				DRAWN BY	GAC	SARASOTA, FLORIDA 34232			MANATEE COUNTY PUBLIC WORKS		44
				CHECKED BY	LAZ	CERTIFICATE OF AUTHORIZATION 4213					
No.	REVISIONS	DATE	BY						MANATEE COUNTY PUBLIC WORKS		44

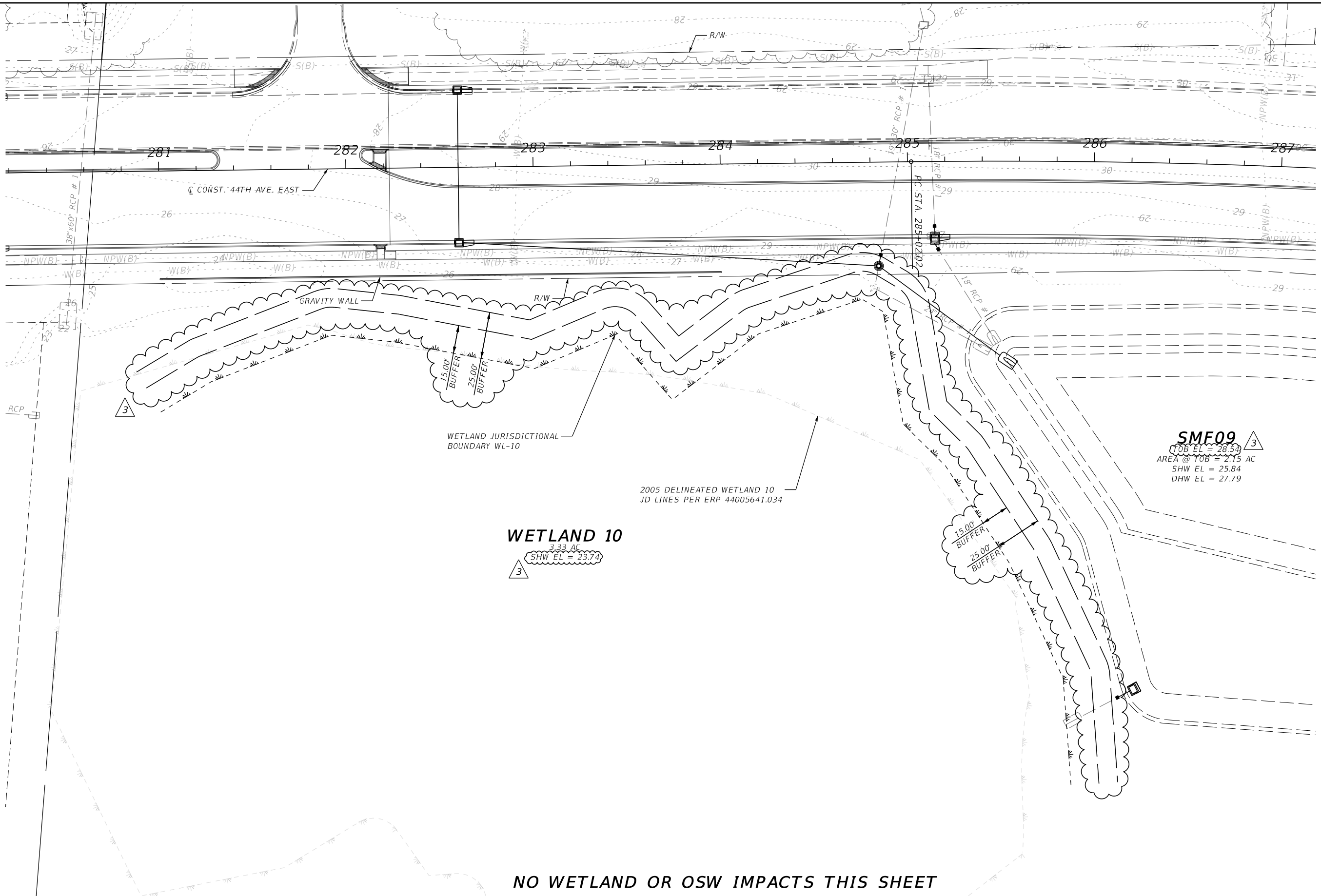
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LEGEND	
	TEMPORARY IMPACT
	PERMANENT IMPACT



3	ADDITION OF WETLAND BUFFERS & INFO	11/2019	GAC	SCALE AS NOTED	HDR ENGINEERING, INC.	DATE 11/2019	MANATEE COUNTY PUBLIC WORKS	DESIGN ENGINEER LISANDRO A. ZAPATA	WETLAND IMPACTS (I)	SHEET NO.
				DESIGNED BY LAZ	2601 CATTLEMEN ROAD, SUITE 400	PROJECT NO. 6045662		FL. LICENSE NO. 58822		45
				DRAWN BY GAC	SARASOTA, FLORIDA 34232					
No.	REVISIONS	DATE	BY	CHECKED BY LAZ	CERTIFICATE OF AUTHORIZATION 4213					

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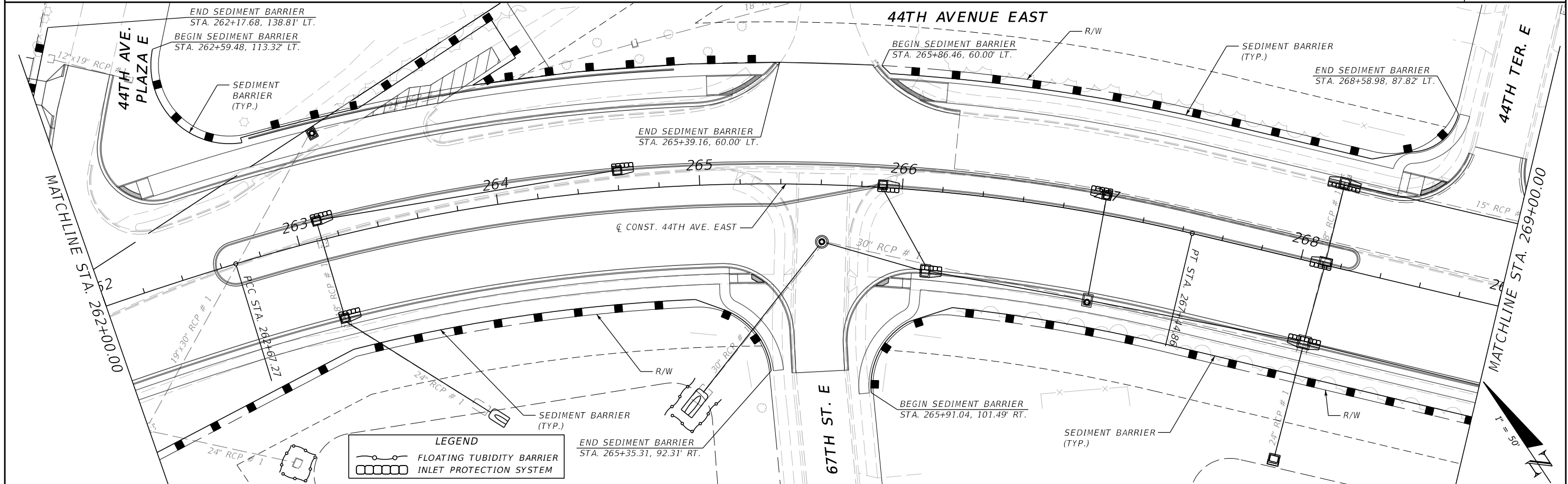
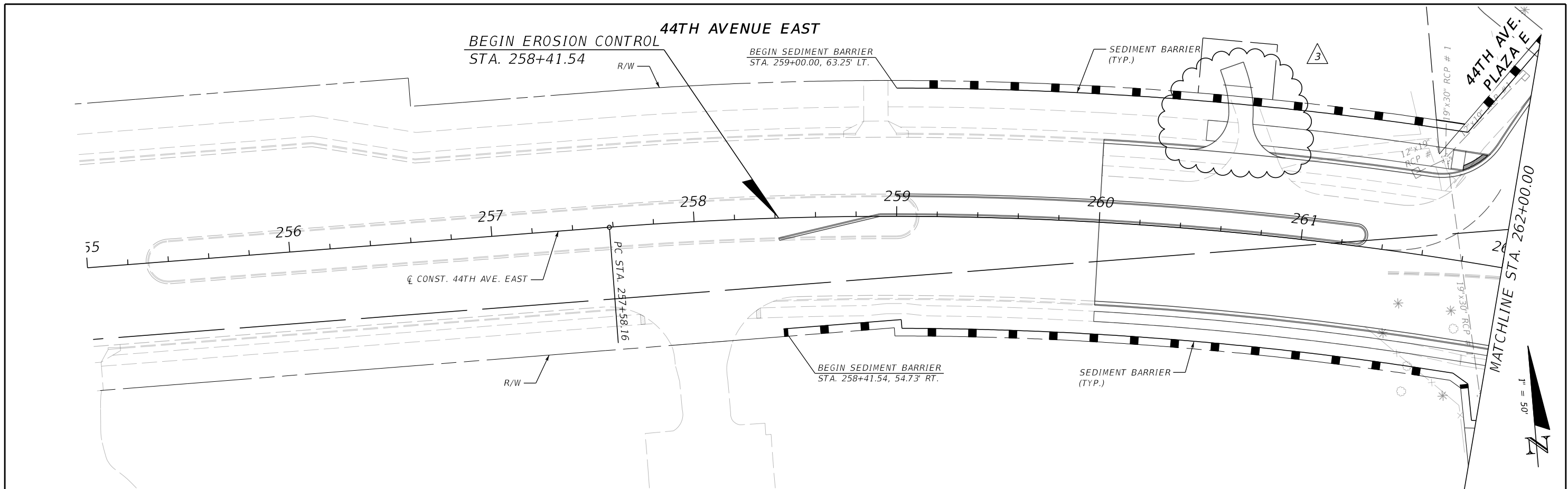
WETLAND 10
 3.33 AC
 SHW EL = 23.74
 3

SMF09 3
 TOB EL = 28.54
 AREA @ TOB = 2.15 AC
 SHW EL = 25.84
 DHW EL = 27.79

NO WETLAND OR OSW IMPACTS THIS SHEET

3	ADDITION OF WETLAND BUFFERS & INFO	11/2019	GAC	SCALE AS NOTED	HDR ENGINEERING, INC.	DATE 11/2019	MANATEE COUNTY PUBLIC WORKS	DESIGN ENGINEER LISANDRO A. ZAPATA	WETLAND IMPACTS (2)	SHEET NO.
				DESIGNED BY LAZ	2601 CATTLEMEN ROAD, SUITE 400	PROJECT NO. 6045662		FL. LICENSE NO. 58822		46
				DRAWN BY GAC	SARASOTA, FLORIDA 34232					
No.	REVISIONS	DATE	BY	CHECKED BY LAZ	CERTIFICATE OF AUTHORIZATION 4213					

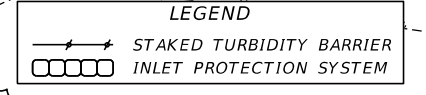
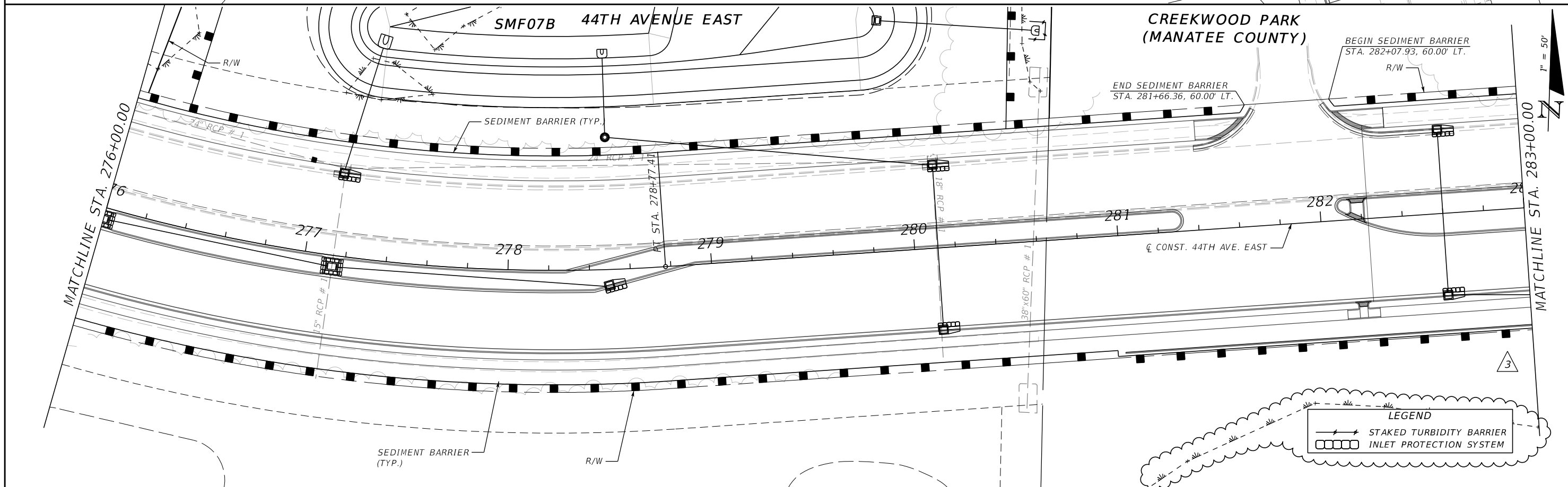
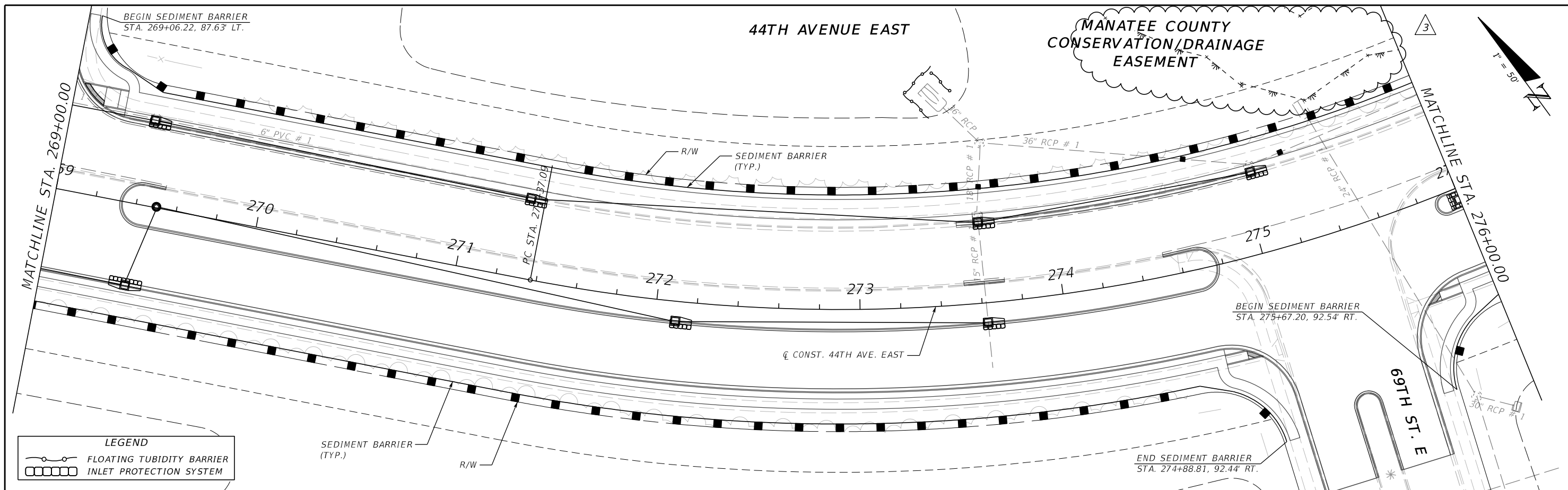
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LEGEND	
	FLOATING TUBIDITY BARRIER
	INLET PROTECTION SYSTEM

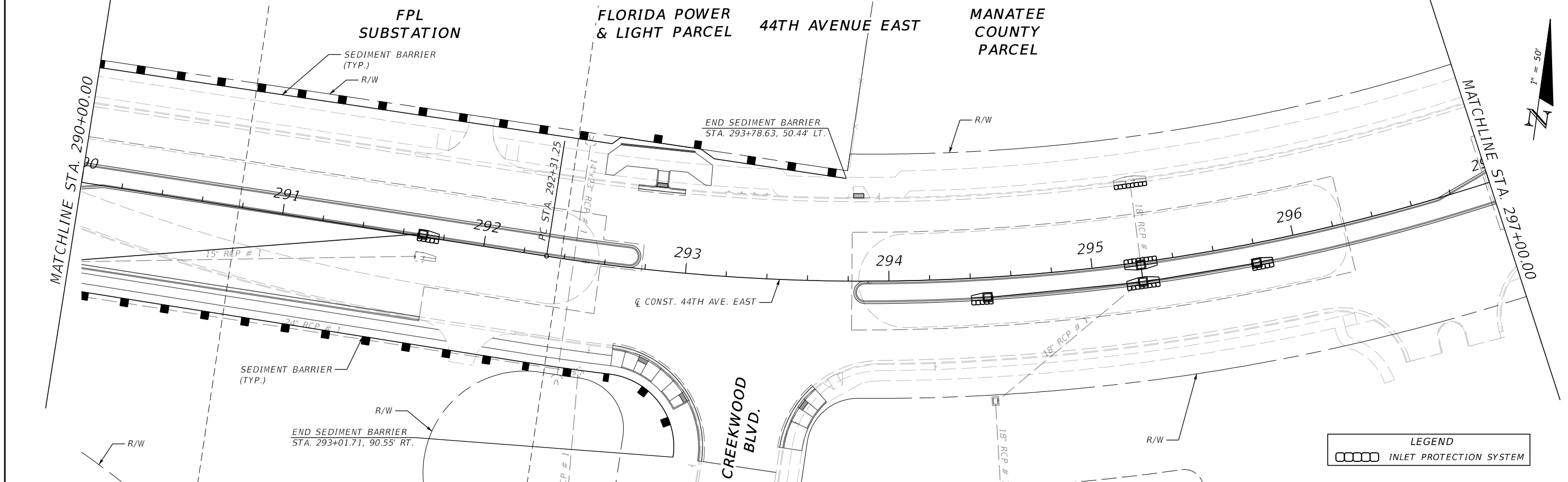
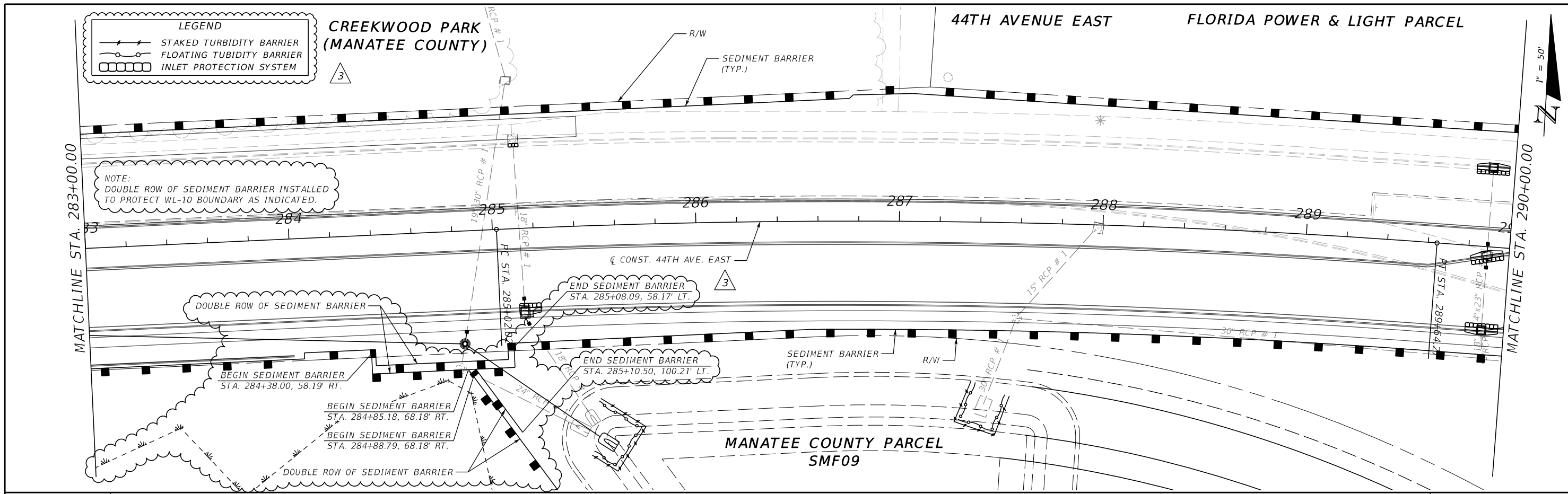
3	Property Owner Access Adjustments	11/2019	JLS	SCALE	AS NOTED	HDR ENGINEERING, INC.	DATE	11/2019	DESIGN ENGINEER	LISANDRO A. ZAPATA	SHEET NO.	64
				DESIGNED BY	LAZ	2601 CATTLEMEN ROAD, SUITE 400	PROJECT NO.	6045662	FL. LICENSE NO.	58822		
				DRAWN BY	GAC	SARASOTA, FLORIDA 34232						
				CHECKED BY	LAZ	CERTIFICATE OF AUTHORIZATION 4213						
No.	REVISIONS	DATE	BY									

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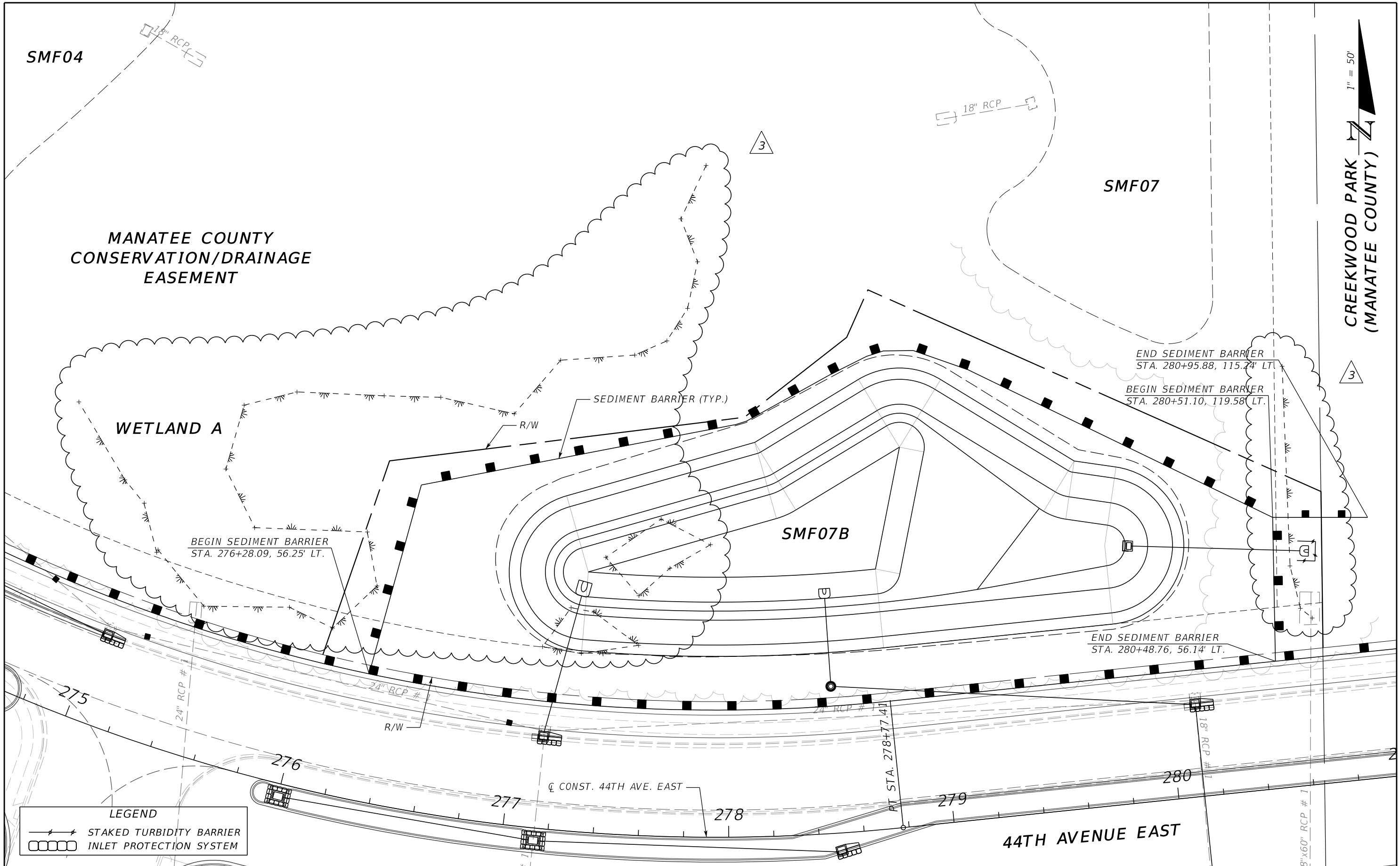
3	ADDED WETLAND LINES	11/2019	GAC	SCALE AS NOTED	HDR ENGINEERING, INC.	DATE 11/2019	MANATEE COUNTY PUBLIC WORKS	DESIGN ENGINEER LISANDRO A. ZAPATA	EROSION CONTROL PLAN (2)	SHEET NO.
				DESIGNED BY LAZ	2601 CATTLEMEN ROAD, SUITE 400	PROJECT NO. 6045662		FL. LICENSE NO. 58822		65
				DRAWN BY GAC	SARASOTA, FLORIDA 34232					
No.	REVISIONS	DATE	BY	CHECKED BY LAZ	CERTIFICATE OF AUTHORIZATION 4213					

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3	REVISED SEDIMENT BARRIER	11/2019	GAC	SCALE	AS NOTED	HDR ENGINEERING, INC.	DATE	11/2019	DESIGN ENGINEER	LISANDRO A. ZAPATA	SHEET NO. 66
				DESIGNED BY	LAZ	2601 CATTLEMEN ROAD, SUITE 400	PROJECT NO.	6045662	FL. LICENSE NO.	58822	
				DRAWN BY	GAC	SARASOTA, FLORIDA 34232					
No.	REVISIONS	DATE	BY	CHECKED BY	LAZ	CERTIFICATE OF AUTHORIZATION 4213					

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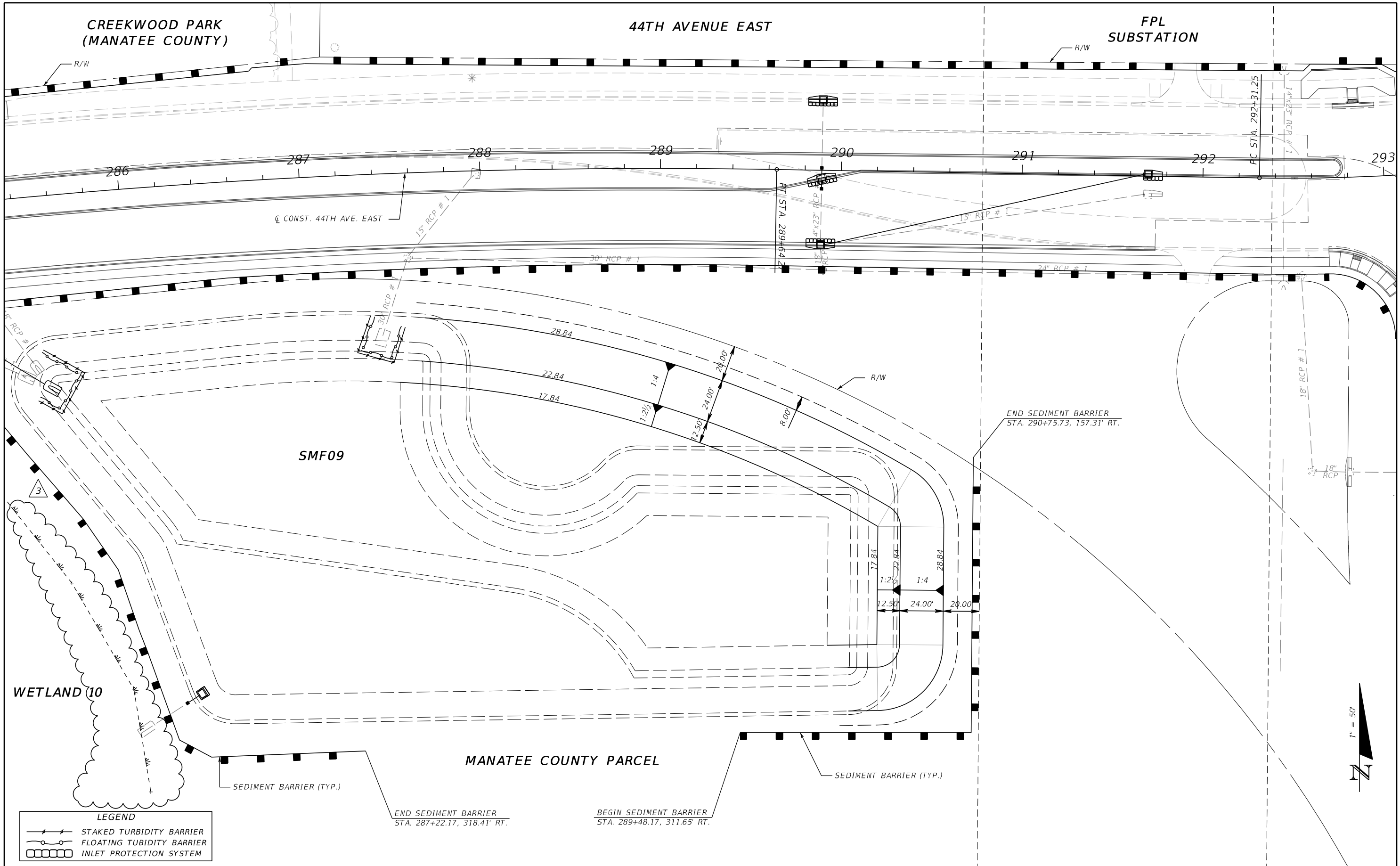


1" = 50'

CREEKWOOD PARK (MANATEE COUNTY)

3	ADDED WETLAND LINES	11/2019	GAC	SCALE AS NOTED	HDR ENGINEERING, INC.	DATE 11/2019	DESIGN ENGINEER LISANDRO A. ZAPATA	EROSION CONTROL PLAN (5)	SHEET NO. 68
				DESIGNED BY LAZ	2601 CATTLEMEN ROAD, SUITE 400	PROJECT NO. 6045662	FL. LICENSE NO. 58822		
				DRAWN BY GAC	SARASOTA, FLORIDA 34232				
No.	REVISIONS	DATE	BY	CHECKED BY LAZ	CERTIFICATE OF AUTHORIZATION 4213				

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LEGEND

	STAKED TURBIDITY BARRIER
	FLOATING TURBIDITY BARRIER
	INLET PROTECTION SYSTEM

3	ADDED WETLAND LINES	11/2019	GAC	SCALE	AS NOTED	HDR ENGINEERING, INC.	DATE	11/2019	DESIGN ENGINEER	LISANDRO A. ZAPATA	SHEET NO.
				DESIGNED BY	LAZ	2601 CATTLEMEN ROAD, SUITE 400	PROJECT NO.	6045662	FL. LICENSE NO.	58822	
				DRAWN BY	GAC	SARASOTA, FLORIDA 34232			EROSION CONTROL PLAN (6)		
				CHECKED BY	LAZ	CERTIFICATE OF AUTHORIZATION 4213					
No.	REVISIONS	DATE	BY								

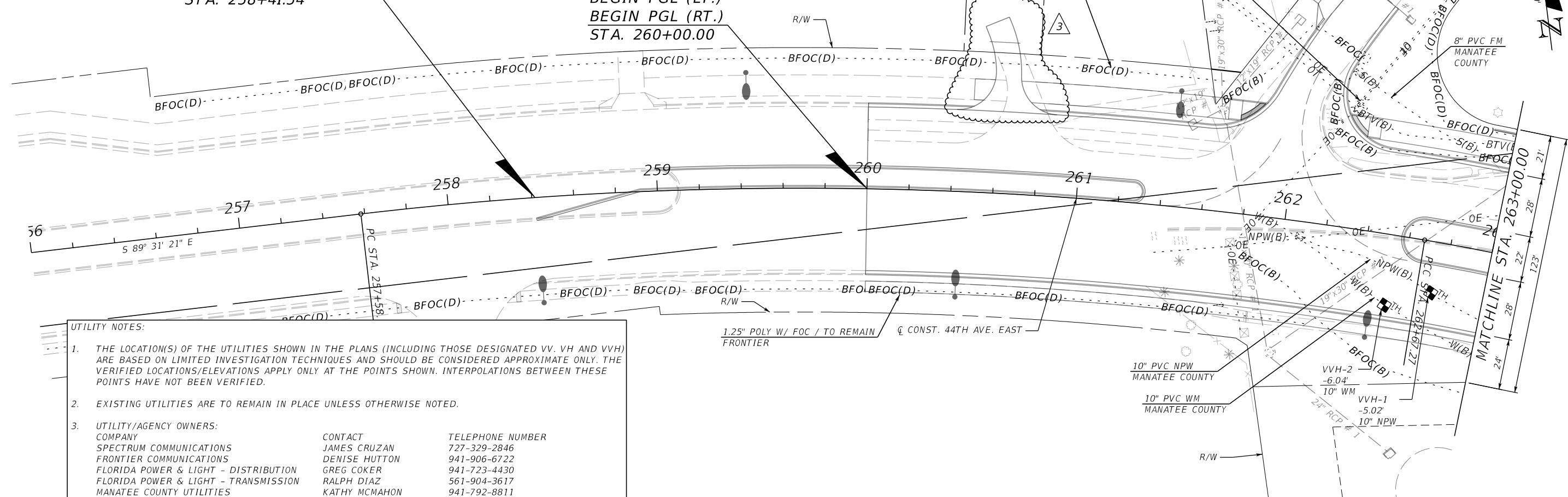
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SEE CONSTRUCTION PLANS FOR 44TH AVENUE EAST BRADEN RIVER SEGMENT PROJECT NUMBER 6086960 BY MANATEE COUNTY

44TH AVENUE EAST

BEGIN CONSTRUCTION STA. 258+41.54

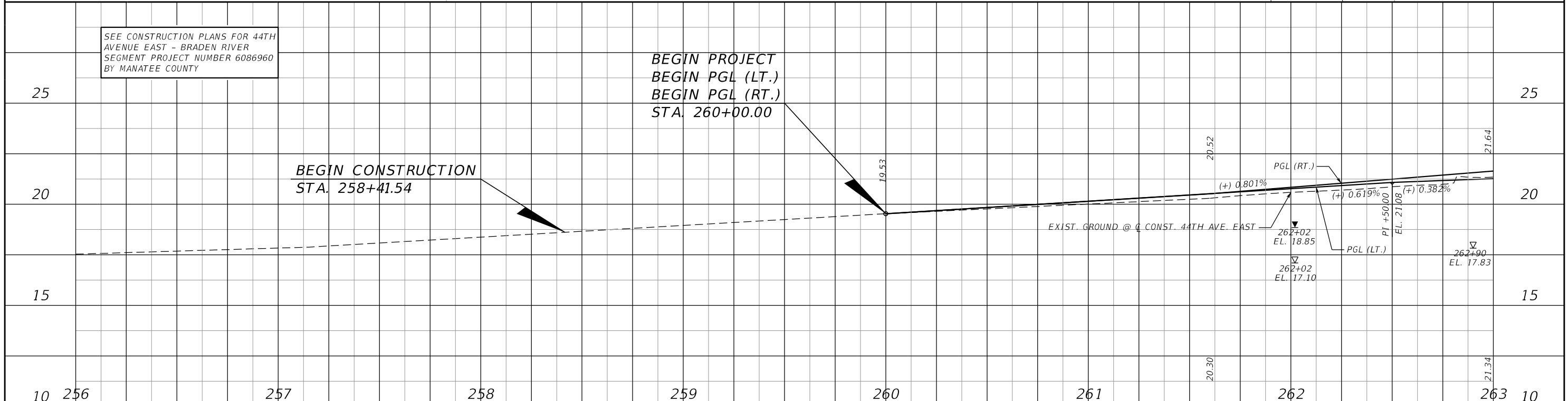
BEGIN PROJECT
BEGIN PGL (LT.)
BEGIN PGL (RT.)
STA. 260+00.00



SEE CONSTRUCTION PLANS FOR 44TH AVENUE EAST - BRADEN RIVER SEGMENT PROJECT NUMBER 6086960 BY MANATEE COUNTY

BEGIN PROJECT
BEGIN PGL (LT.)
BEGIN PGL (RT.)
STA. 260+00.00

BEGIN CONSTRUCTION STA. 258+41.54



3	Property Owner Access Adjustments	11/2019	JLS	SCALE AS NOTED	HDR ENGINEERING, INC.	DATE 11/2019	DESIGN ENGINEER JASON L. STARR	UTILITY ADJUSTMENT (D)	SHEET NO. 75
				DESIGNED BY JLS	2601 CATTLEMEN ROAD, SUITE 400	PROJECT NO. 6045662	FL. LICENSE NO. 70171		
				DRAWN BY JHC	SARASOTA, FLORIDA 34232				
No.	REVISIONS	DATE	BY	CHECKED BY DRH	CERTIFICATE OF AUTHORIZATION 4213				

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