

*Request for Competitive Solicitations  
Rebid Sands SLR Roadway and  
Drainage Pilot Project, Big Pine Key,  
Monroe County, Florida  
RFP-484-0-2023/la  
ADDENDUM NO. 3  
March 2, 2023*

*The information contained in this Addendum modifies, supplements, or replaces information contained in the Project Manual and is hereby made a part of the Contract Documents. The following items are clarifications, deletions, revisions, changes, and modifications that change the Project Manual only in the amount and to the extent hereinafter specified and set forth in this ADDENDUM NO. 3.*

Note: Sands Rebid notice is also advertised in My Florida Marketplace - ITB-03791 – wherein it references Demandstar to obtain bid documents.

Questions, Responses and Clarifications:

**Note: Bid sheets have been revised. Plan sheet RD-11B, RD-13B, S-1B, SD-1B, SQ-1B, TC-1B have been revised.**

**Q1:** There is no information provided for the access hatches shown on S-2B and S-3B for the Wet Well and Valve Box. Please provide the sizes and specifications for these hatches (i.e. manufacturer, load rating, ...).

**R1:** Refer to sheet PS-3B Mechanical Bill of Materials. Hatch dimensions and HS20 load rating are provided in the mechanical bill of materials for both wet well and valve box hatches. Manufacturer to be determined by contractor.

**Q2:** Please give the dimensions for the transformer base shown on sheet S1-B.

**R2:** Refer to revised sheet S1-B. The transformer base shall be 9'x9'.

**Q3:** Please give the depth of Footing F2 shown on Sheet S-12B.

**R3:** Refer to sheet S-8B for the generator platform and sheet S-10B for the electrical platform. (Footing Elevation – 2.25-datum NAVD88).

**Q4:** Please tell which bid item is to be used for the concrete in the Generator & Electrical Platforms (S6-B through S12-B).

**R4:** Refer to revised bid sheet and revised sheet SQ-1B. Use 400-4-25 Concrete Pump Station for the generator and electrical platforms.

**Q5:** Sheet G-8B, MOT Note 6 states that the MOT plan is the sole responsibility of the Contractor and the Contractor must produce his own plans. Sheet TC-1B TTC General Notes # 2 states that the Contractor has the option to submit alternate plans that are signed & sealed. Please clarify if the Contractor is required to submit their own TTC plans.

**R5:** Refer to revised sheet TC-1B - Contractor is required to submit signed and sealed construction TTC plans prior to beginning of construction.

**Q6:** Sheet SD1-B shows a total of 9 Manholes but various bid items 425-2-71 (16 each) & 425-2-72 (4 each) total 20 each. Is this for contingency as well?

**R6:** Refer to revised bid sheet and revised sheet SQ-1B. The number of manholes listed includes the manholes that house the injection wells. Refer to revised SD-1B with the description column revised to incorporate the respective pay item for each structure.

**Q7:** Will you allow MWI – Moving Water Technologies Pumps to be acceptable for this project? I have attached the MWI pump curve meeting the required GPM/TDH of the specifications for review. MWI is a Florida based company manufacturing and supporting the industry locally in Deerfield beach, FL. MWI has also recently been contracted and approved for the most recent FDOT Roosevelt project in Key West and working on multiple south Florida designs. Lastly, City of Key West has multiple reference installations of MWI submersible storm pumps.

**R7:** Follow the Section 00163 Pre-Bid Substitutions procedural instructions. Per Section 00163 1.3.C, if this substitution requires substantial revision of the contract documents, the substitution will not be considered for acceptance. To complete the evaluation the contractor must submit shop drawings associated to the suggested substitution for the wet well, electrical panels and ancillary equipment.

**Q8:** Is there no Service Agreement required in the re-bid? Previous bid had section 1.8 – Service Agreement.

**R8:** The County has deleted the service agreement and if required, will bid separately in the future after installation of the

systems is completed.

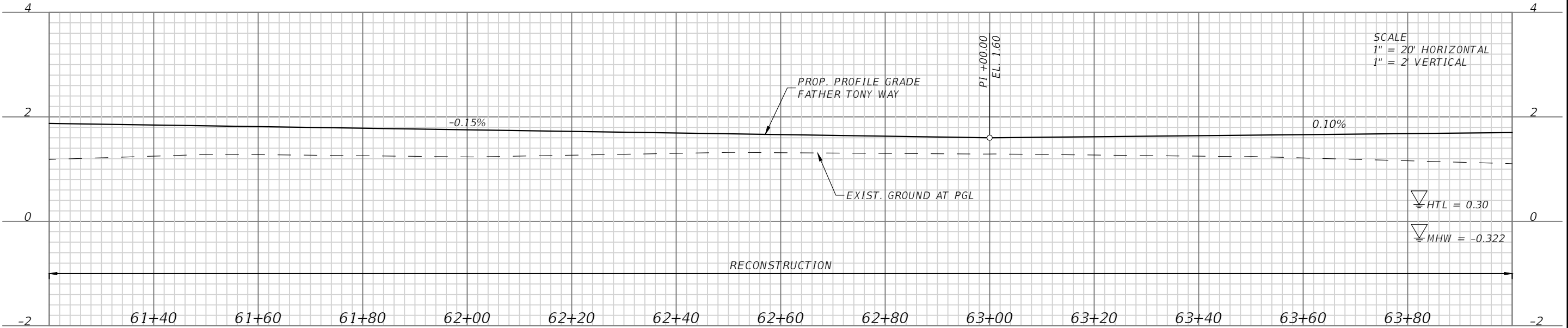
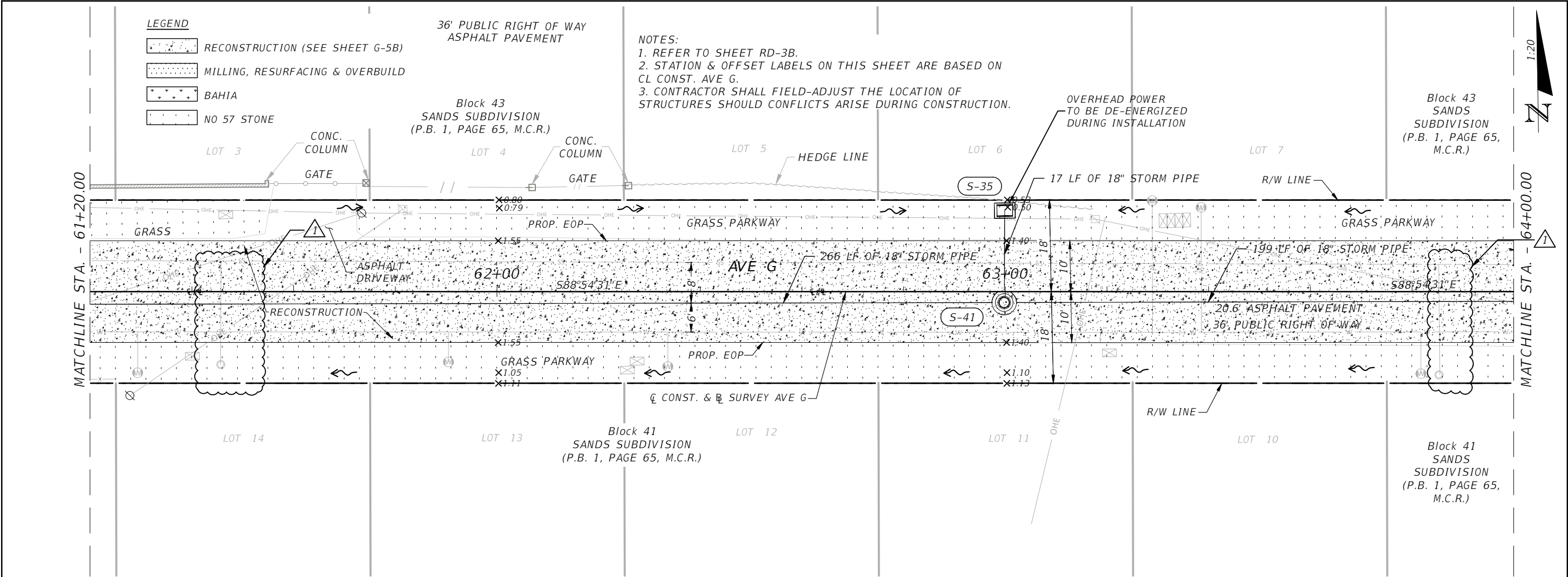
**EOR Clarification:** Sheets RD-11B and RD-13B have been revised to add the plan view of the sanitary utility pipes.

All other items remain as called for in the documents. Deadline for questions March 24, 2023.

End of Addendum No. 3

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Judy Clarke, Director of Engineering Services



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
1	BID ADDENDUM 3		

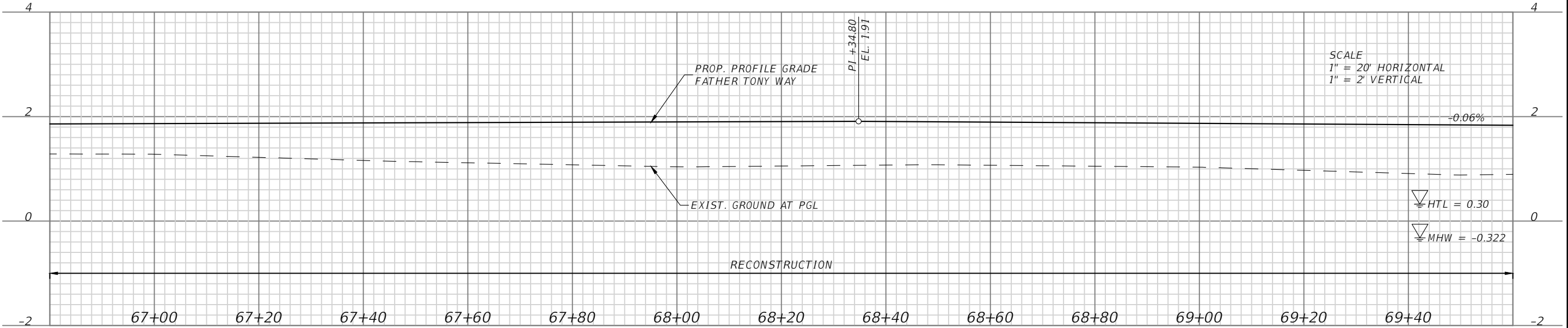
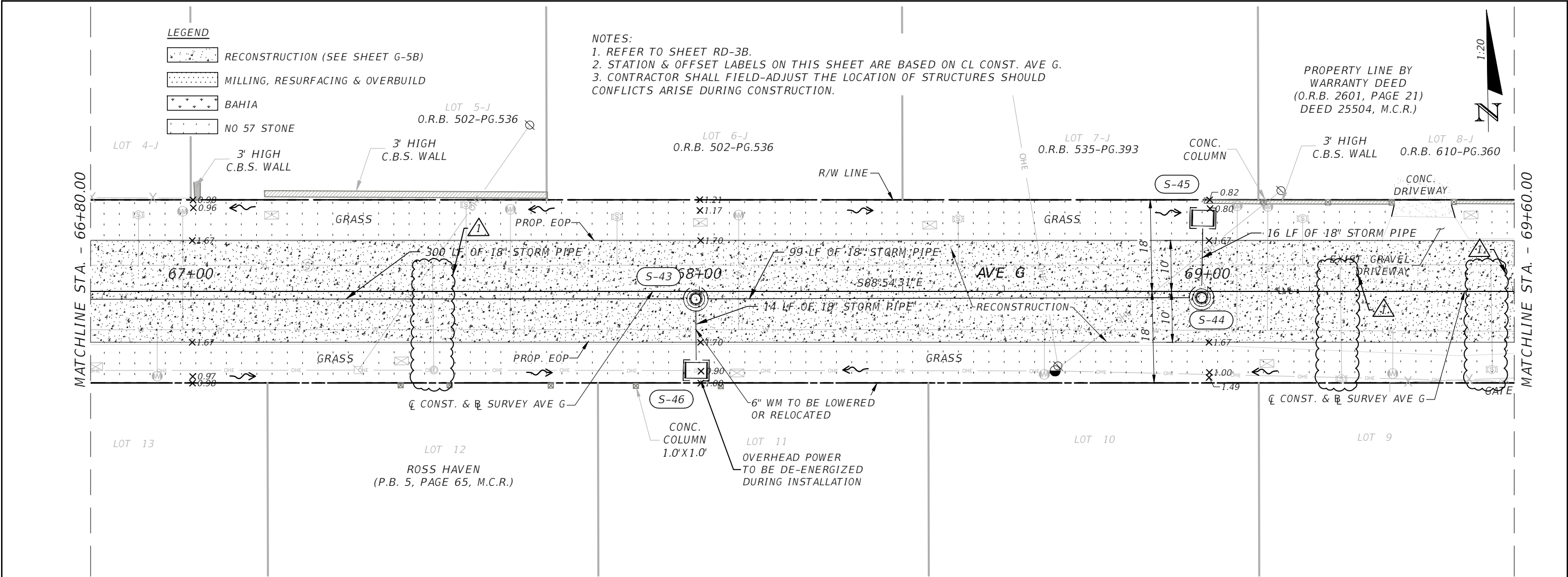
WERNER REINEFELD, P.E.  
P.E. LICENSE NUMBER 63042  
WSP USA, 7650 CORPORATE CENTER DRIVE,  
SUITE 300, MIAMI, FLORIDA 33126  
CERTIFICATE OF AUTHORIZATION 01462



SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT PROJECT  
SANDS SUBDIVISION - BIG PINE KEY  
MONROE COUNTY - DEPARTMENT OF ENGINEERING

ROADWAY PLAN & PROFILE (AVE G)

SHEET NO.  
RD-11B



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
1	BID ADDENDUM 3		

WERNER REINEFELD, P.E.  
P.E. LICENSE NUMBER 63042  
WSP USA, 7650 CORPORATE CENTER DRIVE,  
SUITE 300, MIAMI, FLORIDA 33126  
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SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT PROJECT  
SANDS SUBDIVISION - BIG PINE KEY  
MONROE COUNTY - DEPARTMENT OF ENGINEERING  
ROADWAY PLAN & PROFILE (AVE G)

SHEET NO.  
RD-13B

MONROE COUNTY  
SEA LEVEL RISE ROADWAY AND  
DRAINAGE PILOT PROJECT - BIG PINE KEY  
SUMMARY OF PAY ITEMS

PAY ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY
101-1	MOBILIZATION	LS	1.00
102-1	MAINTENANCE OF TRAFFIC	LS	1.00
104-10-3	SEDIMENT BARRIER (STRAW WATTLE 9")	LF	3000
104-18	INLET PROTECTION	EA	30.00
110-1-1	CLEARING & GRUBBING	AC	1.18
120-1A	REGULAR EXCAVATION, ROADWAY	CY	1630.00
120-6	EMBANKEMENT	CY	50.00
160-4	STABILIZATION TYPE B	SY	3526.92
285-704	OPTIONAL BASE GROUP 04 - ASPHALT BASE (TYPE B-12.5)	SY	3526.92
286-1	TURNOUT CONSTRUCTION (ASPHALT)	SY	43.78
286-1	TURNOUT CONSTRUCTION (GRAVEL)	SY	439.2
327-70-1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	SY	4519.80
334-1-11	SUPERPAVE ASPHALTIC CONC, TRAFFIC A	TN	714.14
530-74	BEDDING STONE (NO. 57 STONE)	TN	266.37
570-1-2	PERFORMANCE TURF, 50D	SY	2777.11
700-1-60	SINGLE POST SIGN, RELOCATE	AS	14.00
706-3	RETRO-REFLECTIVE PAVEMENT MARKERS	EA	72.00
711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID 24"	LF	194.06
711-16-201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.06
711-16-231	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SKIP, 6"	GM	0.25
0581-1-3	RELOCATE TREES AND PALMS, MULTI-TRUNK OR CLUSTERING	EA	1.0
10-50-16-003	UTILITY PIPE,REMOVE & DISPOSE, 5-7.9"	LF	420.00
1050-51-206	6" WM DI PIPE FURNISH & INSTALL	LF	420.00
425-5	ADJUST MANHOLE (UTILITIES) (TOP ADJUSTMENT)	SY	2.00
120-1B	REGULAR EXCAVATION, DRAINAGE STRUCTURES, PIPING AND PUMP STATION	CY	6870.68
448-73	PUMP STATION DRAINAGE		
	FURNISH AND INSTALL PUMPS: FL	EA	4.00
	FURNISH AND INSTALL CONTECH TREATMENT UNIT: MODEL CDS5678	EA	1.00
	ELECTRICAL (INCL VFD, ELECT SERVICE, ETC.)	LS	1.00
125-3	SELECT BEDDING MATERIAL	CY	395.00
1050-51-224	UTILITY PIPE-DUCTILE IRON/CAST IRON, FURNISH & INSTALL, WATER/SEWER, 24"	LF	578.00
1050-51-230	UTILITY PIPE-DUCTILE IRON/CAST IRON, FURNISH & INSTALL, WATER/SEWER, 36"	LF	456.00
1050-51-230-48	UTILITY PIPE-DUCTILE IRON/CAST IRON, FURNISH & INSTALL, WATER/SEWER, 48"	LF	477.00
1080-29-124	UTILITY FIXTURE, MECHANICAL JOINT RESTRAINT, FURNISH & INSTALL, 24"	EA	30.00
1080-11-509	UTILITY FIXTURES, F&I, 20-49.9", MECHANICAL JOINT RESTRAINT	EA	18.00
1055 51-124	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH AND INSTALL ELBOW, 24"	EA	14.00
1055 51-136	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH AND INSTALL ELBOW, 36"	EA	4.00
1055 51-148	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH AND INSTALL ELBOW, 48"	EA	5.00
1055-11-425	UTILITY FITTING,F&I,DI/CI,TEE,20-49.9"	EA	12.00
1055-51-524	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL, CAP/PLUG, 24"	EA	1.00
1055-11-435	UTILITY FITTINGS, F&I, DI/CI, REDUCER, 20 - 49.9"	EA	3.00
1080-24-124	UTILITY FIXTURE, VALVE ASSEMBLY, FURNISH AND INSTALL, 24" FOR GATE AND SWING VALVES	EA	20.00

PAY ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY
1080-24-102	UTILITY FIXTURE, VALVE ASSEMBLY, FURNISH AND INSTALL, 2"	EA	2.00
1050-16-002	UTILITY PIPE,REMOVE & DISPOSE, 2-4.9"	LF	100.00
425-15-41	INLETS, DT BOT, TYPE D <10"	EA	30.00
425-15-42	INLETS, DT BOT, TYPE D >10"	EA	6.00
425-2-71	MANHOLES, J-7 <10"	EA	17.00
425-2-72	MANHOLES, J-7 >10"	EA	4.00
430-173-115	PIPE CULVERT, OPTIONAL MATERIAL ROUND, 15" SD	LF	30.00
430-173-118	PIPE CULVERT, OPTIONAL MATERIAL ROUND, 18" SD	LF	1365.00
430-173-124	PIPE CULVERT, OPTIONAL MATERIAL ROUND, 24" SD	LF	1426.00
430-173-136	PIPE CULVERT, OPTIONAL MATERIAL ROUND, 36" SD	LF	151.00
	FURNISH AND INSTALL INJECTION WELLS AND ANCILLARY EQUIPMENT (EXCEPT GATE VALVES)	LS	12.00
400-4-25	SUPPORT OF EXCAVATION-COFFERDAM	LS	1.00
400-4-25	CONCRETE-PUMP STATION	CY	342.1
415-1-6	MISCELLANEOUS STEEL-PUMP STATION	LB	71130.81
580-1-1	LANDSCAPE COMPLETE - SMALL PLANTS	EA	88.00
580-1-2	LANDSCAPE COMPLETE - LARGE PLANTS	EA	20.00

PAY ITEMS NOTES:

1. PAY ITEM MEASUREMENTS ARE PER FDOT STANDARD SPECIFICATIONS.
2. 286-1: INCLUDES COST OF  
439.20 SY GRAVEL DRIVEWAYS  
43.78 SY ASPHALT DRIVEWAYS
3. 448-73: INCLUDES STRUCTURAL, ELECTRICAL AND ANCILLARY EQUIPMENT
- \* REFER TO DETAIL ON SHEET PS-8A

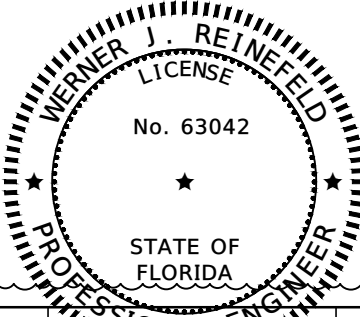
R E V I S I O N S				WERNER REINEFELD, P.E. P.E. LICENSE NUMBER 63042 WSP USA, 7650 CORPORATE CENTER DRIVE, SUITE 300, MIAMI, FLORIDA 33126 CERTIFICATE OF AUTHORIZATION 01462			SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT PROJECT SANDS SUBDIVISION - BIG PINE KEY MONROE COUNTY - DEPARTMENT OF ENGINEERING	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					
2/13/23	1. BID ADDENDUM #1							
2/22/23	2. BID ADDENDUM #2							
02/28/23	3. BID ADDENDUM #3						SUMMARY OF PAY ITEMS	SQ-1B



SUMMARY OF DRAINAGE STRUCTURES

STR. NO.	STATION	OFFSET (FT)	SIDE	DESCRIPTION	RIM	NORTHING	EASTING	BOT.	INVERT BACK	INVERT AHEAD	INVERT LEFT	INVERT RIGHT
IW-1	10+10.40	18.63	R	MANHOLES, J-7 <10' - INJECTION WELL	2.63	122961.58	542013.44	-6.50				
IW-2	10+85.97	37.44	L	MANHOLES, J-7 <10' - INJECTION WELL	2.93	123038.08	541958.63	-5.00				
IW-3	12+31.09	18.41	R	MANHOLES, J-7 <10' - INJECTION WELL	2.49	123182.25	542016.90	-7.00				
IW-4	13+22.59	50.74	L	MANHOLES, J-7 <10' - INJECTION WELL	2.42	123274.89	541949.28	-5.00				
IW-5	14+09.25	18.58	R	MANHOLES, J-7 <10' - INJECTION WELL	1.40	123360.38	542020.03	-7.00				
IW-6	15+09.74	18.58	R	MANHOLES, J-7 <10' - INJECTION WELL	1.20	123460.86	542021.71	-7.80				
IW-7	16+20.52	15.41	L	MANHOLES, J-7 <10' - INJECTION WELL	1.11	123572.20	541988.57	-7.00				
IW-8	17+41.67	15.29	L	MANHOLES, J-7 <10' - INJECTION WELL	1.10	123693.34	541990.71	-7.00				
IW-9	18+98.25	16.74	L	MANHOLES, J-7 <10' - INJECTION WELL	0.95	123849.92	541991.88	-7.00				
IW-10	20+00.50	14.31	L	MANHOLES, J-7 <10' - INJECTION WELL	1.23	123952.11	541996.01	-6.00				
IW-11	21+62.42	14.23	L	MANHOLES, J-7 <10' - INJECTION WELL	1.16	124114.01	541998.78	-6.00				
IW-12	23+18.63	14.27	L	MANHOLES, J-7 >10' - INJECTION WELL	1.24	124270.20	542001.35	-9.70				
S-01	9+77.47	49.73	R	MANHOLES, J-7 >10'	2.67	122928.14	542043.99	-8.20	-6.20 -6.20			
S-02	9+77.54	18.28	R	MANHOLES, J-7 >10'	3.18	122928.74	542012.54	-8.20	-6.19	-6.19		
S-03	9+75.85	14.84	L	MANHOLES, J-7 >10'	2.80	122927.60	541979.40	-8.20	-6.18	-6.18		
S-04	10+69.87	13.50	L	INLET, DT BOT, TYPE D>10'	2.40	123021.58	541982.30	-8.20	-3.00 -6.15	-6.15		
S-05	10+80.34	20.12	R	INLET, DT BOT, TYPE D<10'	2.40	123031.50	542016.09	-4.39		-2.90		
S-06	12+06.12	15.58	L	INLET, DT BOT, TYPE D>10'	2.20	123157.85	541982.50	-8.10	-3.20 -6.10	-6.15		
S-07	12+10.70	17.13	R	INLET, DT BOT, TYPE D<10'	2.20	123161.89	542015.28	-5.10		-3.10		
S-08	13+04.62	15.58	L	INLET, DT BOT, TYPE D>10'	2.40	123256.33	541984.14	-8.10	-6.10 -3.40	-6.10		
S-09	13+05.28	16.68	R	INLET, DT BOT, TYPE D<10'	2.10	123256.46	542016.41	-5.30		-3.30		
S-10	13+68.71	15.58	L	INLET, DT BOT, TYPE D>10'	1.60	123320.42	541985.21	-8.10	-6.10	-6.10		
S-11	14+39.91	15.58	L	INLET, DT BOT, TYPE D<10'	1.30	123391.61	541986.40	-8.10	-4.80 -6.00	-6.10		
S-12	14+39.87	16.64	R	INLET, DT BOT, TYPE D<10'	1.40	123391.03	542018.61	-6.70		-4.70		
S-13	15+42.03	15.58	L	INLET, DT BOT, TYPE D<10'	1.35	123493.71	541988.10	-8.00	-5.95	-6.00		
S-14	15+42.00	15.46	R	INLET, DT BOT, TYPE D>10'	1.00	123493.17	542019.13	-8.70	-6.70	-5.90		
S-15	16+02.58	16.80	R	Conflict Structure	4.32	123553.73	542020.48	227				
S-16	16+39.01	21.08	L	INLET, DT BOT, TYPE D<10'	0.65	123590.79	541983.21	-7.10		-5.10		
S-17	16+38.18	17.00	R	INLET, DT BOT, TYPE D>10'	1.00	123589.33	542021.27	-8.50	-5.20 -5.40	-6.70		
S-18	17+69.77	19.82	L	INLET, DT BOT, TYPE D<10'	0.95	123721.51	541986.65	-7.10		-5.10		
S-19	17+73.38	16.87	R	INLET, DT BOT, TYPE D<10'	1.05	123724.51	542023.40	-7.40	-5.20 -5.20	-5.40		
S-20	18+43.96	14.57	L	INLET, DT BOT, TYPE D<10'	1.10	123795.60	541993.13	-6.80		-4.80		

STR. NO.	STATION	OFFSET (FT)	SIDE	DESCRIPTION	RIM	NORTHING	EASTING	BOT.	INVERT BACK	INVERT AHEAD	INVERT LEFT	INVERT RIGHT
S-21	18+43.85	16.11	R	INLET, DT BOT, TYPE D<10'	1.00	123794.98	542023.81	-7.00	-4.90 -5.00	-5.00		
S-22	19+59.39	16.79	L	INLET, DT BOT, TYPE D<10'	1.05	123911.05	541992.84	-6.70		-4.70		
S-23	19+59.70	19.38	R	INLET, DT BOT, TYPE D<10'	0.95	123910.76	542029.01	-6.89	-4.80 -4.89	-4.89		
S-24	20+14.59	16.79	L	INLET, DT BOT, TYPE D<10'	1.00	123966.25	541993.76	-6.30		-4.30		
S-25	20+16.03	19.24	R	INLET, DT BOT, TYPE D<10'	1.00	123967.09	542029.81	-6.83	-4.40 -4.50	-4.83		
S-26	20+75.43	16.77	L	INLET, DT BOT, TYPE D<10'	1.20	124027.08	541994.80	-5.60		-3.60		
S-27	20+74.87	16.18	R	INLET, DT BOT, TYPE D<10'	1.20	124025.96	542027.73	-6.45	-3.70 -3.74	-4.45		
S-28	22+10.72	16.77	L	INLET, DT BOT, TYPE D<10'	1.00	124162.35	541997.05	-5.40		-3.40		
S-29	22+10.66	16.65	R	INLET, DT BOT, TYPE D<10'	1.10	124161.73	542030.46	-5.60	-3.50 -3.60	-3.60		
S-30	23+50.59	18.76	L	INLET, DT BOT, TYPE D<10'	0.75	124302.23	541997.39	-5.60	-3.60	-3.60		
S-31	23+50.87	17.80	R	INLET, DT BOT, TYPE D<10'	1.10	124301.90	542033.95	-5.60	-3.60	-3.60		
S-32	24+81.90	20.24	L	INLET, DT BOT, TYPE D<10'	0.90	124433.55	541998.10	-5.60		-3.60 -3.10		
S-33	24+74.68	18.62	R	INLET, DT BOT, TYPE D<10'	0.95	124425.68	542036.84	-5.10	-3.10			
S-34	60+34.02	14.11	L	INLET, DT BOT, TYPE D<10'	1.33	123772.48	542040.81	-6.00	-4.00	-4.00		
S-35	62+99.88	15.93	L	INLET, DT BOT, TYPE D<10'	0.50	123769.24	542306.66	-4.50		-2.50		
S-36	18+24.15	16.32	R	MANHOLES, J-7 <10'	1.60	123775.28	542023.69	-7.20	-4.50 -5.00	-5.20		
S-37	60+33.76	14.40	R	INLET, DT BOT, TYPE D<10'	0.95	123743.98	542040.00	-4.00		-2.00		
S-38	64+99.19	14.95	L	INLET, DT BOT, TYPE D<10'	1.10	123764.46	542505.90	-4.50	-2.50			
S-39	64+99.26	15.78	R	INLET, DT BOT, TYPE D<10'	1.12	123733.74	542505.39	-3.50		-1.50		
S-40	64+99.23	1.65	R	MANHOLES, J-7 <10'	1.77	123747.87	542505.63	-4.50	-1.50	-2.50 -2.50 -2.00		
S-41	62+99.77	2.15	R	MANHOLES, J-7 <10'	1.56	123751.17	542306.20	-4.50	-2.50 -2.50	-2.50		
S-42	60+33.68	2.64	R	MANHOLES, J-7 <10'	1.88	123755.75	542040.15	-6.00	-2.00 -2.50	-4.00		
S-43	67+99.29	1.46	R	MANHOLES, J-7 <10'	1.87	123742.34	542805.64	-4.00	-2.00	-2.00 -2.00		
S-44	68+98.78	1.23	R	MANHOLES, J-7 <10'	1.85	123740.67	542905.12	-4.00	-2.00	-1.90		
S-45	68+99.05	14.39	L	INLET, DT BOT, TYPE D<10'	0.73	123756.29	542905.68	-3.90	-1.90			
S-46	67+99.37	15.53	R	INLET, DT BOT, TYPE D<10'	0.74	123728.27	542805.46	-4.00	-2.00			

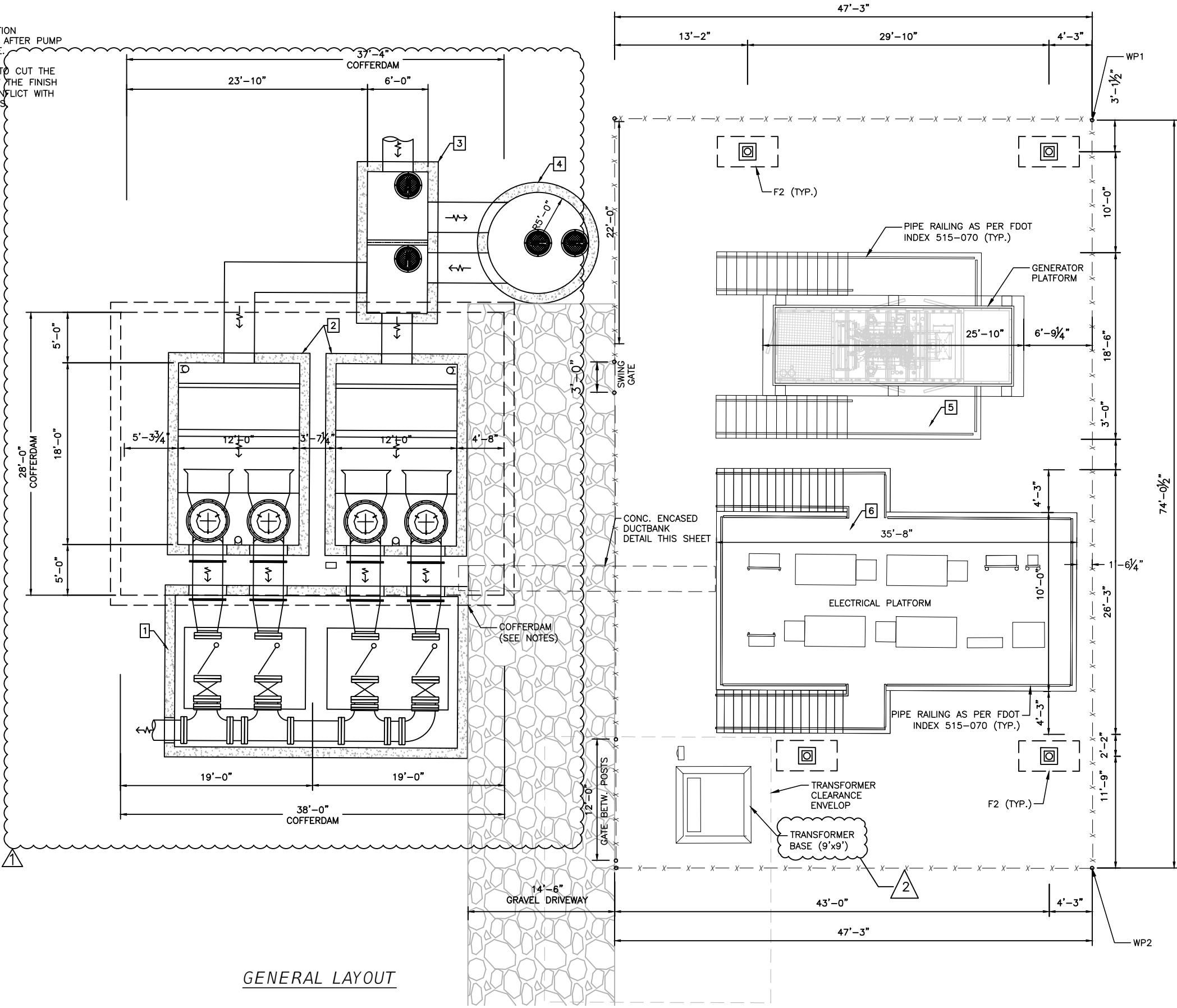
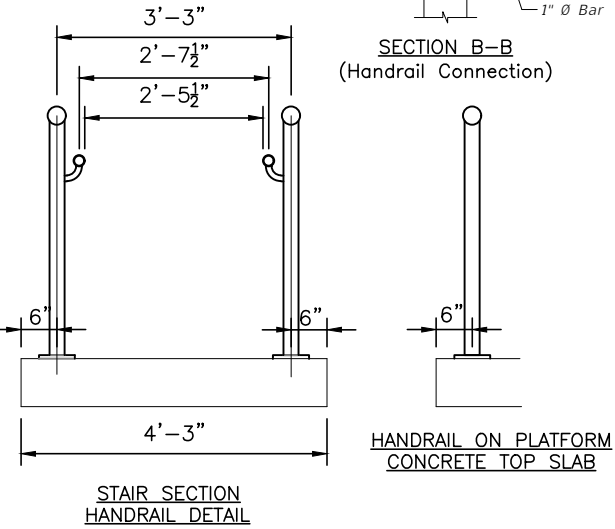
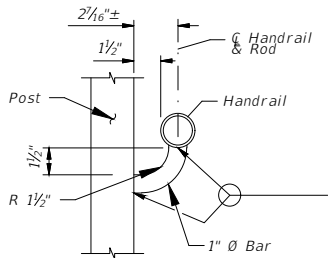
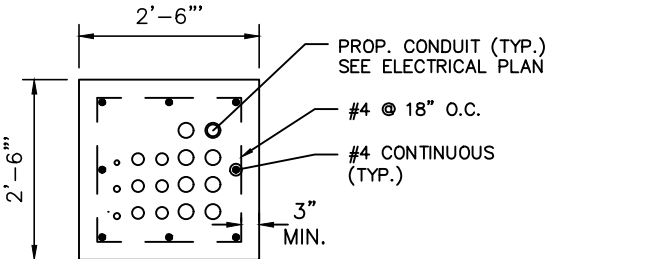


- NOTE:
1. INLETS AND MANHOLES TO BE PER F.D.O.T. INDEX NO. 425-001 & 425-010.
  2. CONFLICT MANHOLE TO BE PER F.D.O.T. INDEX NO. 425-080.
  3. STRUCTURE S-15 HAS BEEN REMOVED FROM THE DRAWINGS

REVISIONS				WERNER REINEFELD, P.E. P.E. LICENSE NUMBER 63042 WSP USA, 7650 CORPORATE CENTER DRIVE, SUITE 300, MIAMI, FLORIDA 33126 CERTIFICATE OF AUTHORIZATION 01462		SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT PROJECT TWIN LAKES SUBDIVISION - KEY LARGO MONROE COUNTY - DEPARTMENT OF ENGINEERING	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				
1	BID ADDENDUM 3					SUMMARY OF DRAINAGE STRUCTURES	SD-1B

- NOTES:
- 1. INSTALL COFFERDAM FOR PUMP STATION CONSTRUCTION. REMOVE COFFERDAM AFTER PUMP STATION CONSTRUCTION IS COMPLETE.
  - 2. THE CONTRACTOR HAS THE OPTION TO CUT THE COFFERDAM SHEETPILE 2'-0" BELOW THE FINISH GRADE AS LONG AS IT'S NOT IN CONFLICT WITH PROPOSED STRUCTURES FOUNDATIONS.

STRUCTURE TOP ELEVATIONS			
1	VALVE BOX	3.20 FT NAVD	4.58 FT NGVD
2	WET WELL	3.20 FT NAVD	4.58 FT NGVD
3	INLET BOX	3.20 FT NAVD	4.58 FT NGVD
4	TREATMENT UNIT	3.20 FT NAVD	4.58 FT NGVD
5	GENERATOR PLATFORM	10.25 FT NAVD	11.63 FT NGVD
6	ELECTRICAL EQUIPMENT PLATFORM	10.25 FT NAVD	11.63 FT NGVD
NGVD'29 = NAVD'88 + 1.38'			



GENERAL LAYOUT

REVISIONS				FREDDY J. MENA, P.E. P.E. LICENSE NUMBER 86701 WSP USA, 7650 CORPORATE CENTER DRIVE, SUITE 300, MIAMI, FLORIDA 33126 CERTIFICATE OF AUTHORIZATION 01462	WSP		SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT PROJECT SANDS SUBDIVISION - BIG PINE KEY MONROE COUNTY - DEPARTMENT OF ENGINEERING	PUMP STATION GENERAL LAYOUT	SHEET NO.  S-1B
DATE	DESCRIPTION	DATE	DESCRIPTION						
2/21/2023	1 BID COMMENTS								
3/01/2023	2 BID COMMENTS - ADDENDUM 3								

## TEMPORARY TRAFFIC CONTROL (TTC) GENERAL NOTES

1. ALL TTC SHALL BE IN CONFORMANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD PLANS 2019-20 INDEX (102-600) AND MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES STANDARDS (MUTCD) LATEST EDITION.
2. THE CONTRACTOR SHALL SUBMIT COMPLETE TTC PLANS FOR APPROVAL BY THE COUNTY. TTC PLANS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA AND SHALL BE CONSISTENT WITH STANDARD TTC DESIGN PRACTICES. NO CONSTRUCTION ACTIVITY WILL BE ALLOWED UNTIL THE CONTRACTOR'S TTC PLANS ARE APPROVED IN WRITING BY EOR AND COUNTY REPRESENTATIVE. SUBMITTED AND APPROVED PLANS SHALL BE PAID FOR UNDER MAINTENANCE OF TRAFFIC PAY ITEM NO. 102-1.
3. CONTRACTOR SHALL NOTIFY THE COUNTY REPRESENTATIVE A MINIMUM OF 5 WORKING DAYS PRIOR TO IMPLEMENTATION OF THE TTC.
4. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL FURNISH, ERECT AND MAINTAIN ALL BARRICADES, WARNING SIGNS AND MARKINGS FOR HAZARDS AND THE CONTROL OF TRAFFIC, IN REASONABLE CONFORMITY WITH THE MUTCD , OR AS DIRECTED BY THE OWNER SUCH AS TO EFFECTIVELY PREVENT ACCIDENTS IN ALL PLACES WHERE THE WORK CAUSES OBSTRUCTION TO THE NORMAL TRAFFIC OR CONSTITUTES IN ANY WAY A HAZARD TO THE PUBLIC.
5. THE CONTRACTOR SHALL PROVIDE THE COUNTY WITH THE NAME OF THE PERSON ON THE CONTRACTOR'S STAFF DESIGNATED TO BE RESPONSIBLE FOR THE IMPLEMENTATION OF ALL PHASES OF TTC, PRIOR TO THE BEGINNING OF CONSTRUCTION.
6. ALL EXISTING PAVEMENT MARKINGS OUTSIDE THE LIMITS OF CONSTRUCTION WHICH ARE REMOVED FOR TTC PURPOSES SHALL BE REPLACED BEFORE COMPLETION OF THE PROJECT.
7. THE REFLECTIVE SHEETING ON SIGNS, CONES OR BARRICADES SCRATCHED OR DAMAGED TO THE POINT THAT REFLECTIVITY IS IMPAIRED SHALL BE REPLACED. DAMAGED, DEFACED OR DIRTY SIGNS, CONES OR BARRICADES SHALL IMMEDIATELY BE REPAIRED, REPLACED OR CLEANED BY THE CONTRACTOR.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING FORMAL TTC INSPECTIONS AND SHALL IMMEDIATELY REPLACE ALL EQUIPMENT AND DEVICES NOT CONFORMING TO FDOT AND COUNTY STANDARDS. THESE INSPECTIONS SHALL TAKE PLACE AT LEAST ONCE A WEEK. SOME OF THESE INSPECTIONS SHALL BE CONDUCTED AT NIGHT. THE COUNTY SHALL BE ADVISED OF THE SCHEDULE OF THE INSPECTIONS AND BE GIVEN THE OPPORTUNITY TO JOIN IN THE INSPECTION.
9. SHORT TERM STOPPING OR PARKING OF A VEHICLE, OR PLACING ANYTHING ELSE NEXT TO THE WORK AREA (FOR EXAMPLE, A STACK OF CONES, PARKED CONSTRUCTION EQUIPMENT/VEHICLES, ETC.) CREATES A CHANNEL EFFECT WHICH CAN ADVERSELY AFFECT TRAFFIC FLOW. THEREFORE, ALL CONSTRUCTION EQUIPMENT SHALL BE PLACED A MINIMUM OF 15 FEET FROM THE TRAVEL LANE WHEN NOT IN USE. OVERNIGHT STORAGE WILL BE IN APPROPRIATELY SIGNED AND BARRICADED AREA AND PLACED OUTSIDE OF CLEAR ZONE.
10. TRAFFIC CONDITIONS, ACCIDENTS AND OTHER EMERGENCY CONDITIONS MAY REQUIRE THE COUNTY TO MODIFY ANY CHANNELIZATION SHOWN IN THESE PLANS. THE CONTRACTOR SHALL MAKE THE NECESSARY ADJUSTMENTS, AS DIRECTED BY THE COUNTY, WITHOUT DELAY.
11. WARNING LIGHTS SHALL BE USED TO MARK BARRICADES AS NEEDED.
12. THE CONTRACTOR SHALL RETURN THE GROUND TO ITS ORIGINAL CONDITION OR PROPOSED FINAL GRADE, WHEN REMOVING ANY TEMPORARY SURFACE.
13. DUST CONTROL MEASURES SHALL BE IMPLEMENTED ON ALL UNPAVED SURFACES UNTIL PAVED.
14. TEMPORARY PAVEMENT SHALL CONSIST OF 1" OF TYPE S-II ASPHALT ON 6" OF LIMEROCK.

SIGNING NOTES


1. THE CONTRACTOR SHALL INSURE THAT PERMANENT SIGNS DO NOT CONFLICT WITH TTC SIGNS. THE CONTRACTOR SHALL COVER ALL SIGNS, BOTH PERMANENT AND TEMPORARY, THAT CONFLICT WITH TRAFFIC CONTROL DURING CONSTRUCTION OPERATIONS.
2. THE EXISTING POSTED SPEED LIMIT SIGNS SHALL REMAIN THROUGHOUT ALL CONSTRUCTION STAGES, UNLESS OTHERWISE NOTED.
3. ANY EXISTING STREET AND ROAD NAME SIGNS THAT ARE IMPACTED BY CONSTRUCTION ARE TO BE TEMPORARILY RELOCATED AND KEPT VISIBLE AT ALL TIMES FOR THE FACILITATION OF ACCESS BY EMERGENCY VEHICLE TRAFFIC.
4. CONTRACTOR MUST MAINTAIN EXISTING SIGNING DURING CONSTRUCTION. IF SIGNS ARE DAMAGED DUE TO HIS ACTIVITY, THE CONTRACTOR IS REQUIRED TO REPLACE THEM PROMPTLY IN ACCORDANCE WITH CURRENT COUNTY OR FDOT STANDARD SPECIFICATIONS AT NO ADDITIONAL COST TO THE OWNER.
5. PROVIDE ADVANCE WARNING SIGNS PER FDOT INDEX 102-603, 102-604, 102-605, AND 102-612 AS APPLICABLE. FIELD LOCATE SINGING TO AVOID CONFLICTS WITH EXISTING SIGNS AND OTHER ROADSIDE OBSTRUCTIONS.
6. GROOVED PAVEMENT AHEAD SIGN IS REQUIRED 500 FEET IN ADVANCE OF A MILLED OR GROOVED SURFACE OPEN TO TRAFFIC. THE W8-15P PLACARD SHALL BE USED IN CONJUNCTION WITH THE GROOVED PAVEMENT AHEAD SIGN.

WORK ZONE SPECIAL NOTES

1. PAVEMENT MUST BE RESTORED TO AN ASPHALT BASE COURSE AS A MINIMUM BEFORE REOPENING ANY WORK ZONE TO TRAFFIC. REFER ALSO TO TTC GENERAL NOTE 13.
2. PROVIDE UNOBSTRUCTED ACCESS TO ALL DRIVEWAYS AND SIDE STREETS ADJACENT TO THE WORK ZONE AT ALL TIMES. TEMPORARY USE OF STEEL PLATES TO COVER EXCAVATION IS PERMITTED.
3. FOR WORK WITHIN THE TRAVELED WAY, REFER TO STANDARD PLAN INDEX 102-603 FOR TRAFFIC CONTROL. MAINTAIN A MINIMUM OF ONE 9-FOOT LANE DURING WORKING HOURS ALONG THE WORK ZONE.
4. FOR WORK WITHIN AND NEAR INTERSECTIONS, REFER TO STANDARD PLAN INDEX 102-604 AND 102-605. ALL INTERSECTION MOVEMENTS SHALL BE PROVIDED AT ALL TIMES.
5. FOR WORK ON THE SHOULDER AND ROADSIDE, REFER TO STANDARD PLAN INDEX 102-612.
6. SHORT DURATION INTERMITTENT ROADWAY CLOSURES TO INSTALL DRAINAGE CROSSINGS SHALL BE PERMITTED. CLOSURE TIME SHALL BE MINIMAL AND SHALL INCLUDE THE TIME NEEDED TO MAKE THE WORK ZONE SUITABLE FOR TRAFFIC QUEUE CLEARING. REFER TO STANDARD PLAN INDEX 102-625.
7. ALL DROP OFFS ALONG CONSTRUCTION WORK ZONES SHALL BE HANDLED PER STANDARD PLAN INDEX 102-600. NO VERTICAL DROP-OFFS GREATER THAN 1.5 INCHES SHALL BE LEFT EXPOSED AND UNMITIGATED DURING NON-WORKING HOURS. CHANNELIZING DEVICES SHALL REMAIN IN PLACE AT ALL TIMES TO DELINEATE MITIGATED VERTICAL DROP-OFFS GREATER THAN 3 INCHES ALONG THE WORK ZONE.
8. INSTALL APRONS PER STANDARD PLAN INDEX 102-600 TO MITIGATE FOR UNEVEN SURFACES ALONG THE TRAVELED WAY DURING NON-WORKING HOURS.
9. ADDITIONAL FLAGGERS MAY BE REQUIRED TO ENSURE DRIVEWAY ACCESSIBILITY DURING MILLING AND PAVING OPERATIONS.
10. PEDESTRIANS SHALL BE ESCORTED BY FLAGGERS THROUGH THE WORK ZONE.
11. TRENCHING, SHORING, AND BACKFILLING FOR DRAINAGE INSTALLATION SHALL BE PER MONROE COUNTY STANDARD SPECIFICATION SECTION 80.
12. CONTRACTOR SHALL IDENTIFY STAGING AREAS ALONG THE PROJECT SITE AND SUBMIT FOR APPROVAL TO THE COUNTY REPRESENTATIVE AND EOR PRIOR TO MOBILIZATION OF EACH PHASE OF THE PROJECT. PROPOSED STAGING AREAS NEED TO BE PERMITTED THROUGH BUILDING DEPT./ENVIRONMENTAL RESOURCES.
13. ANY ROAD CLOSURES TO BE COORDINATED WITH THE COUNTY.

## REQUIREMENTS

1. PROJECT WORK HOURS ARE BETWEEN 7:00 AM AND 7:00 PM MONDAY THROUGH FRIDAY. NO WORK IS ALLOWED ON WEEKENDS, UNLESS AUTHORIZED BY THE COUNTY, WITH A WRITTEN REQUEST, SUBMITTED BY THE CONTRACTOR 72 HOURS PRIOR TO COMMENCEMENT OF WORK. NO WORK IS ALLOWED ON: THANKSGIVING DAY, CHRISTMAS DAY AND NEW YEARS DAY.
2. ACCESS FOR LOCAL TRAFFIC WITH DESTINATIONS WITHIN THE WORK ZONES SHALL BE MAINTAINED.
3. ALL ROAD CLOSED SIGNS SHALL BE MOUNTED ON TYPE III BARRICADES.
4. RESTORE ALL SWALES DRIVEWAYS AND SIDEWALKS IMPACTED BY CONSTRUCTION TO THEIR ORIGINAL CONDITION OR BETTER.
5. DURING NON-WORKING HOURS, ROADWAY SHALL BE RESTORED TO MINIMUM TWO LANE TWO-WAY ROADWAY. LENGTH OF ACTIVE WORK ZONE SHALL CONSIDER THE ABILITY TO RESTORE THE EXISTING LANE CONFIGURATION AT THE END OF EACH WORK PERIOD.

R E V I S I O N S				wsp		SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT PROJECT		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			SANDS SUBDIVISION - BIG PINE KEY		TC-1B
03/01/23	1. BID ADDENDUM 3					MONROE COUNTY - DEPARTMENT OF ENGINEERING		
						TEMPORARY TRAFFIC CONTROL - GENERAL NOTES		



**Addendum 3 Revised -Monroe County Rebid Form: Sands Sea Level Rise Pilot Project**

BID PROPOSAL

Item No.	Description	Unit	Quantity	Unit Price	Written Price	Line Total Price
101-1	MOBILIZATION	LS	1.00			
102-1	MAINTENANCE OF TRAFFIC	LS	1.00			
104-10-3	SEDIMENT BARRIER (STRAW WATTLE 9")	LF	3000			
104-18	INLET PROTECTION	EA	30.00			
110-1-1	CLEARING & DEGRUBBING	AC	1.18			
120-1A	REGULAR EXCAVATION – Roadway	CY	1630.00			
120-6	EMBANKMENT	CY	50.00			
160-4	STABILIZATION TYPE B	SY	3526.92			
285-704	OPTIONAL BASE GROUP 04 - ASPHALT BASE (TYPE B-12.5)	SY	3526.92			
286-1	TURNOUT CONSTRUCTION (ASPHALT)	SY	43.78			
327-70-1	MILLING+OVERLAY EXIST ASPH PAVT, 1" AVG DEPTH	SY	4519.80			
334-1-11	SUPERPAVE ASPHALTIC CONC, TRAFFIC A	TN	714.14			
530-74	BEDDING STONE (NO. 57 STONE)	TN	266.37			
570-1-2	PERFORMANCE TURF, SOD	SY	2777.11			
700-1-60	SINGLE POST SIGN, RELOCATE	AS	14.00			
706-3	RETRO-REFLECTIVE PAVEMENT MARKERS	EA	72.00			

**Addendum 3 Revised Monroe County Rebid Form: Sands Sea Level Rise Pilot Project**

BID PROPOSAL

Item No.	Description	Unit	Quantity	Unit Price	Written Price	Line Total Price
711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID 24"	LF	194.06			
711-16-201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.06			
711-16-231	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SKIP, 6"	GM	0.25			
1050-16-003	UTILITY PIPE- REMOVE & DISPOSE, 5-7.9"	LF	420.00			
1050-51-206	6" WM DI PIPE FURNISH & INSTALL	LF	420.00			
425-5	ADJUST MANHOLE (UTILITIES) (TOP ADJUSTMENT)	SY	2.00			
448-73-2	FURNISH AND INSTALL PUMPS: FLYGT MODEL LL3400/706	EA	4.00			
448-73-3	FURNISH AND INSTALL CONTECH TREATMENT UNIT: MODEL CDS5678	EA	1.00			
448-73-4	ELECTRICAL (INCL VFD, ELECT SERVICE, ETC.)	LS	1.00			
125-3	SELECT BEDDING MATERIAL	CY	395.00			
1050-51-224	UTILITY PIPE-DUCTILE IRON/CAST IRON, FURNISH & INSTALL, WATER/SEWER, 24"	LF	578.00			
1050-51-230-36	UTILITY PIPE-DUCTILE IRON/CAST IRON, FURNISH & INSTALL, WATER/SEWER, 36"	LF	456.00			

Addendum 3 Revised Monroe County Rebid Form: Sands Sea Level Rise Pilot Project

BID PROPOSAL

Item No.	Description	Unit	Quantity	Unit Price	Written Price	Line Total Price
1050-51-230-48	UTILITY PIPE-DUCTILE IRON/CAST IRON, FURNISH & INSTALL, WATER/SEWER, 48"	LF	477.00			
1080-29-124	UTILITY FIXTURE, MECHANICAL JOINT RESTRAINT, FURNISH & INSTALL, 24"	EA	30.00			
1080-11-509	UTILITY FIXTURES, F&I, 20-49.9", MECHANICAL JOINT RESTRAINT	EA	18.00			
1055 51-124	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH AND INSTALL ELBOW, 24"	EA	14.00			
1055 51-136	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH AND INSTALL ELBOW, 36"	EA	4.00			
1055 51-148	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH AND INSTALL ELBOW, 48"	EA	5.00			
1055-11-425	UTILITY FITTING, F&I, DI/CI, TEE, 20-49.9"	EA	12.00			
1055-51-524	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL, CAP/PLUG, 24"	EA	1.00			
1055-11-435	UTILITY FITTINGS, F&I, DI/CI, REDUCER, 20 - 49.9"	EA	3.00			
1080-24-124	UTILITY FIXTURE, VALVE ASSEMBLY, FURNISH AND INSTALL, 24" FOR GATE AND SWING VALVES	EA	20.00			
1080-24-102	UTILITY FIXTURE, VALVE ASSEMBLY, FURNISH AND INSTALL, 2"	EA	2.00			

Addendum 3 Revised Monroe County Rebid Form: Sands Sea Level Rise Pilot Project

BID PROPOSAL

Item No.	Description	Unit	Quantity	Unit Price	Written Price	Line Total Price
1050-16-002	UTILITY PIPE- REMOVE & DISPOSE, 2-4.9"	LF	100.00			
425-15-41	INLETS, DT BOT, TYPE D <10'	EA	30.00			
425-2-71	MANHOLES, J-7 <10'	EA	17.00			
425-2-72	MANHOLES, J-7 >10'	EA	4.00			
430-173-115	PIPE CULVERT, OPTIONAL MATERIAL ROUND, 15" SD	LF	30.00			
430-173-118	PIPE CULVERT, OPTIONAL MATERIAL ROUND, 18" SD	LF	1365.00			
430-173-124	PIPE CULVERT, OPTIONAL MATERIAL ROUND, 24" SD	LF	1426.00			
430-173-136	PIPE CULVERT, OPTIONAL MATERIAL ROUND, 36" SD	LF	151.00			
288- INJECTION WELLS	FURNISH AND INSTALL INJECTION WELLS AND ANCILLARY EQUIPMENT (EXCEPT GATE VALVES)	LS	12			
400-4-25	SUPPORT OF EXCAVATION-COFFERDAM	LS	1.00			
400-4-25	CONCRETE-PUMP STATION	CY	342.1			
415-1-6	MISCELLANEOUS STEEL-PUMP STATION	LB	71130.81			



## Addendum 3 Revised Monroe County Rebid Form: Sands Sea Level Rise Pilot Project

Item No.	Description	Unit	Quantity	Unit Price	Written Price	Line Total Price
120-1B	REGULAR EXCAVATION, DRAINAGE STRUCTURES, PIPING AND PUMP STATION	CY	6870.68			
580-1-1	LANDSCAPE COMPLETE – SMALL PLANTS	EA	88.00			
580-1-2	LANDSCAPE COMPLETE – LARGE PLANTS	EA	20.00			
286-1	TURNOUT CONSTRUCTION GRAVEL	SY	439.20			
581-1-3	RELOCATE TREES-MULTI-TRUNK	EA	1			
425-15-42	INLETS-DT BOT, TYPE D> 10"	EA	6			
MC permit	Monroe County permit# 20101595 pass thru amount \$45,966.44 (awarded contractor to pick up and pay for)	LS	1	\$45,966.44	Forty-five thousand nine hundred sixty six dollars and forty four cents.	\$45,966.44

Grand Total Rebid Amount (includes permit amount above)

\$\_\_\_\_\_

Company Name - Bidder\_\_\_\_\_