3/24/2025 10:11:17 AM

COMPONENTS OF CONTRACT PLANS SET

ROADWAY PLANS
SIGNING AND PAVEMENT MARKING PLANS
LANDSCAPE AND IRRIGATION PLANS

A DETAILED INDEX APPEARS ON THE KEY SHEET OF EACH COMPONENT

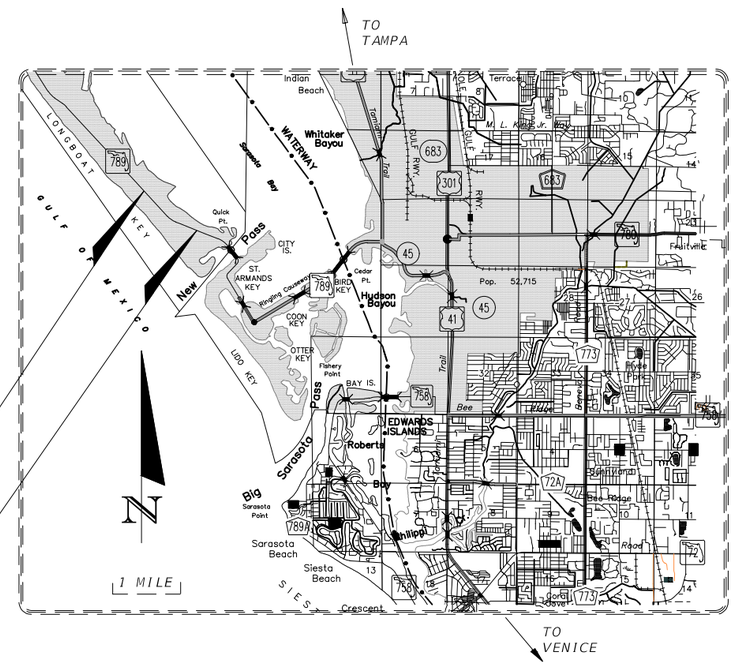
INDEX OF ROADWAY PLANS

TOWN OF LONGBOAT KEY

CONTRACT PLANS

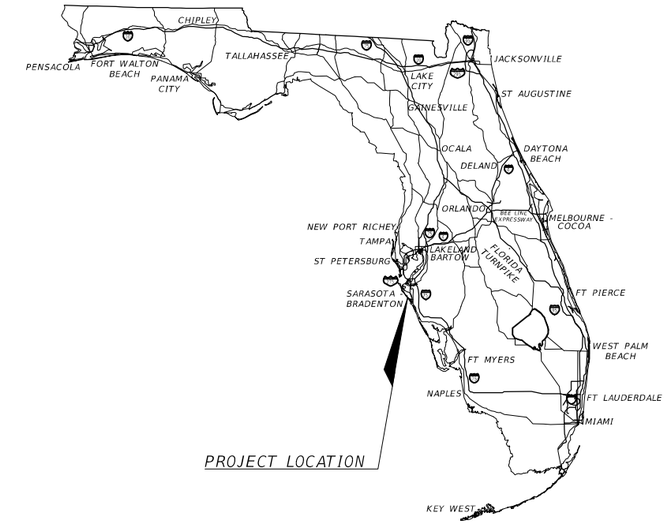
SARASOTA COUNTY

STATE ROAD NO. SR-789



SR NUMBER: 789, SECTION 17030, M.P. 4.188 - 5.049±

ACCESS PERMIT NUMBER: 2019-A-194-00056



TOWN OF LONGBOAT KEY COMMISSIONERS:

GARY COFFIN	DISTRICT 1
PENNY GOLD	DISTRICT 2
KEN SCHNEIER, MAYOR	DISTRICT 3
DEBRA WILLIAMS	DISTRICT 4
SARAH KARON	DISTRICT 5
B.J. BISHOP	AT-LARGE
MIKE HAYCOCK, VICE MAYOR	AT-LARGE

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA,

100% SUBMITTAL

PLANS PREPARED BY:

DMK ASSOCIATES ENGINEERS SURVEYORS

DMK ASSOCIATES, INC.

ROADWAY PLANS

KREG E. MAHEU
P.E. NO.: 45766
DMK ASSOCIATES, INC.
405 COMMERCIAL COURT, SUITE E
VENICE, FL, 34292
CONTRACT NO.: N/A
VENDOR NO.: N/A
CERTIFICATE OF AUTHORIZATION NO.: 3943

PROJECT LENGTH IS BASED ON ℄ OF CONSTRUCTION

LENGTH OF PROJECT

	LINEAR FEET	MILES
ROADWAY	4522.62	0.838
BRIDGES	0.00	0.000
NET LENGTH OF PROJECT	4522.62	0.838
EXCEPTIONS	0.00	0.000
GROSS LENGTH OF PROJECT	4522.62	0.838

FDOT PERMIT COORDINATOR: VALERIE EVERTS

KEY SHEET REVISIONS

DATE	DESCRIPTION
01-23	Revised the Lt. PGL Grades on the Plan & Profile sheet 14 and the Cross Section sheets 22-24per FDOT Review Comments Dated 01-14-2022
04-23	Revised Lt Swale Side Slopes Between Sta: 259+00 & 269+00
09-23	Revised Lt Swale Side Slope & Profile Grades Between Sta: 259+00 & 269+00
11-23	Added Sheet 18A to the Plan Set
3-25	Revised the Median Curb Limits, and Quantities on sheets 5, 7, 10, 11, 14, 15, 16, 20, 21, 24, & 25 Revised the Median Nose Pavement Marking limits and Quantities on sheets S-2 thru S-6

GOVERNING DESIGN STANDARDS:
Florida Department of Transportation, FY 2023-2024 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs)

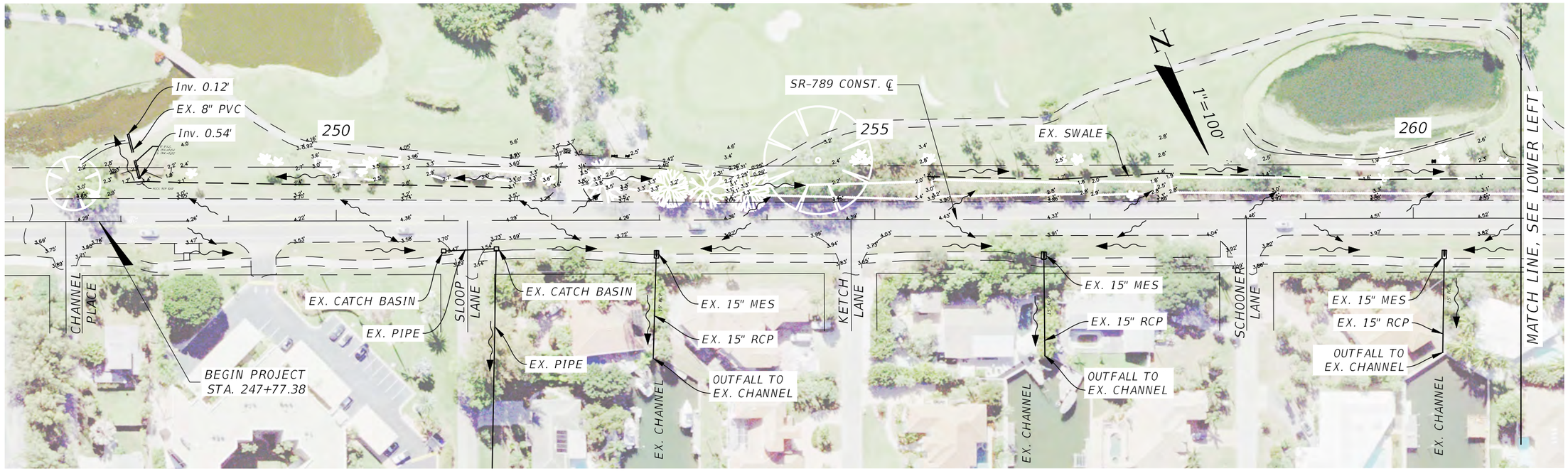
Standard Plans for Road Construction and associated IRs are available at the following website: http://www.fdot.gov/design/standardplans

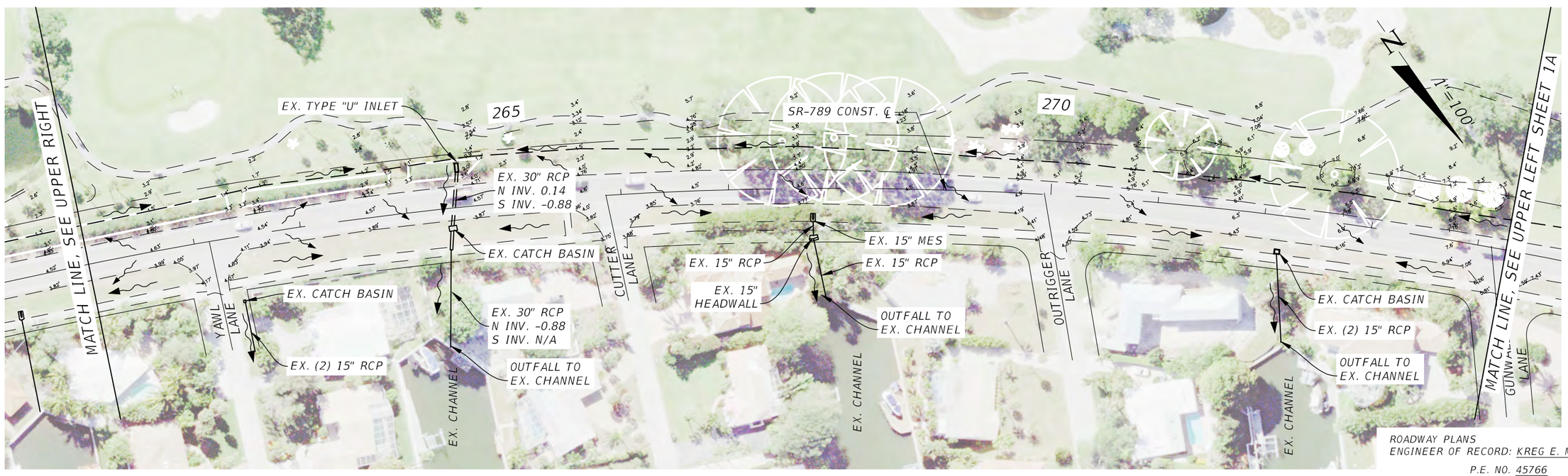
GOVERNING STANDARD SPECIFICATIONS:
Florida Department of Transportation, July, 2022 Standard Specifications for Road and Bridge Construction at the following website:
http://www.fdot.gov/programmanagement/Implemented/SpecBooks

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
T-0000	2020	K-1

F:\Projects\2016\16-0280 LBK RFP 16-010\6ft-Bike-Lane\1234567891O\Roadway\KEYSRD02.dwg

S.R. 789 (GULF OF MEXICO DR.) (TYPICAL)





ROADWAY PLANS
ENGINEER OF RECORD: KREG E. MAHEU, P.E.
P.E. NO. 45766

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DMK ASSOCIATES, INC.
405 COMMERCIAL CT, SUITE E
VENICE, FL. 34292
PHONE: 941-412-1293
FAX: 941-412-1043
KREG E. MAHEU, P.E.
P.E. No. 45766
CA No: 3943

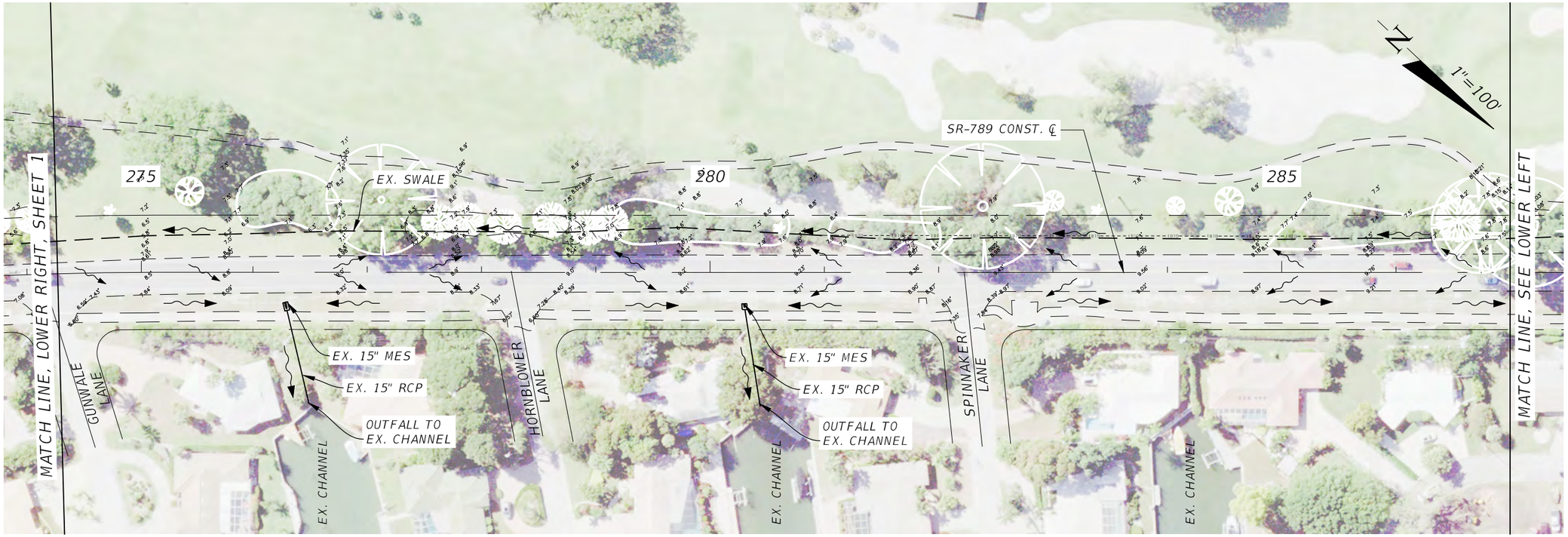
TOWN OF LONGBOAT KEY

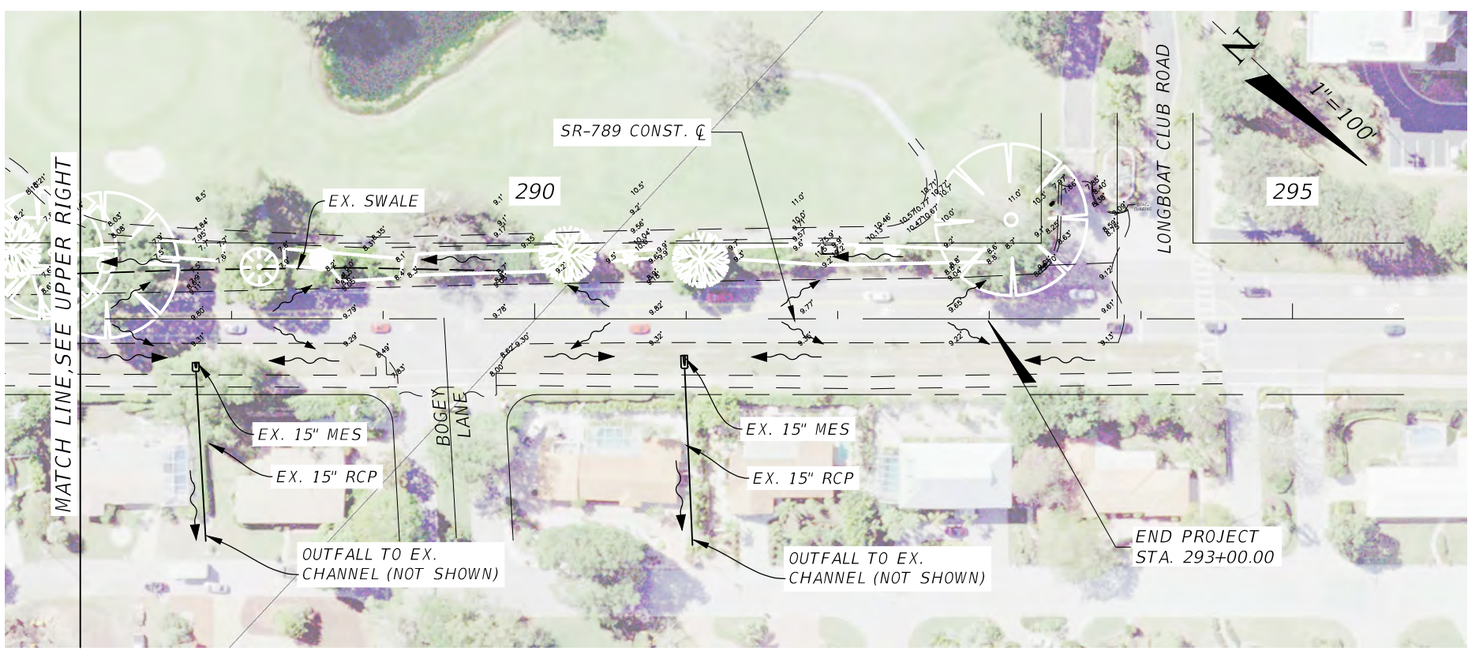
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 789	SARASOTA	N/A

EXISTING CONDITIONS MAP (1)

SHEET NO. 1

S.R. 789 (GULF OF MEXICO DR.) (TYPICAL)





ROADWAY PLANS
ENGINEER OF RECORD: KREG E. MAHEU, P.E.
P.E. NO. 45766

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TOWN OF LONGBOAT KEY

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 789	SARASOTA	N/A

EXISTING CONDITIONS MAP (2)

SHEET NO. 1A

F:\Projects\2016\16-0280 LBK RFP 16-010\6fl-Bike-Lane\12345678910\Drainage\DRNMAP01.dwg
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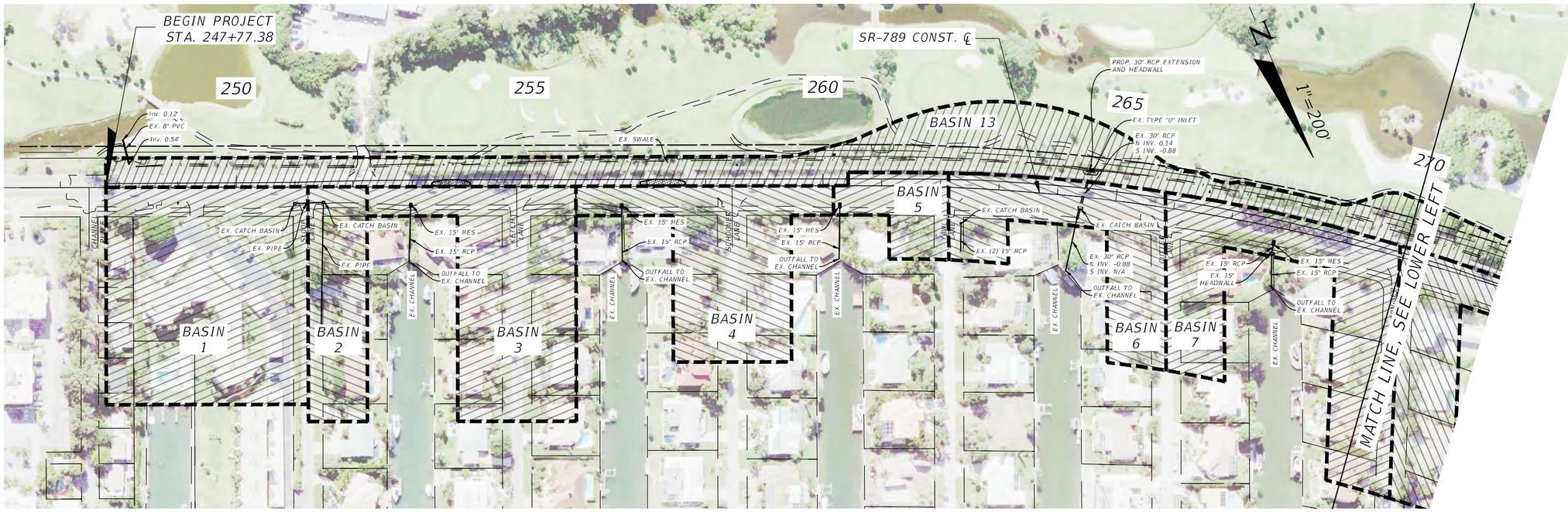
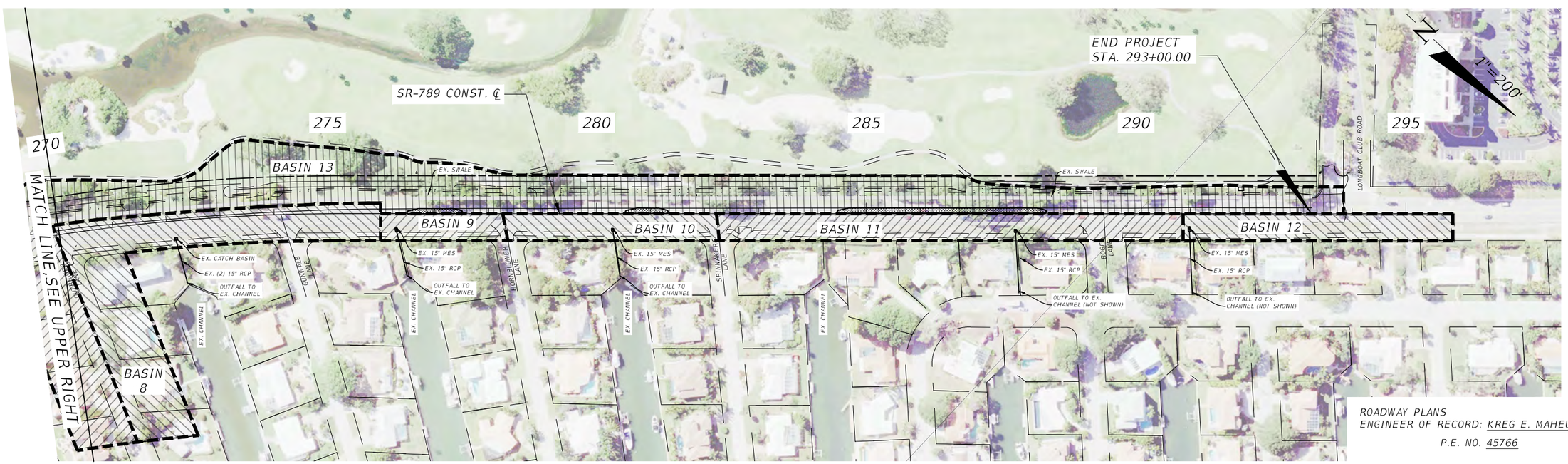
S.R. 789 (GULF OF MEXICO DR.) (TYPICAL)





ROADWAY PLANS
ENGINEER OF RECORD: KREG E. MAHEU, P.E.
P.E. NO. 45766

REVISIONS			
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TOWN OF LONGBOAT KEY

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 789	SARASOTA	N/A

PROPOSED DRAINAGE MAP

SHEET NO. 2

GENERAL NOTES

1. UNLESS OTHERWISE SPECIFIED, ALL WORK SHALL BE PERFORMED CONSISTENT WITH THE FOLLOWING SPECIFICATIONS:

   THE TOWN OF LONGBOAT KEY

   SARASOTA COUNTY

   SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT (SWFWMD)

   FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) - JULY 2022 STANDARD SPECIFICATIONS

   FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP)

2. UNLESS OTHERWISE SPECIFIED IN THE GENERAL PROVISIONS, ALL CONSTRUCTION IS TO BE GOVERNED BY THE PLANS, APPLICABLE PERMITS, AND SPECIFICATIONS HEREIN, AND ALL APPLICABLE FEDERAL, STATE AND LOCAL BUILDING AND SAFETY CODES, LAWS AND ORDINANCES.
3. IN THE EVENT THE CONTRACTOR DISCOVERS ANY ERRORS OR OMISSIONS IN THE PLANS HE SHALL IMMEDIATELY NOTIFY THE ENGINEER.
4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO TAKE ALL REASONABLE AND PRUDENT PRECAUTIONS TO ENSURE THAT ALL COMPLETED WORK, MATERIALS, AND EQUIPMENT STORED ON SITE ARE SAFE AND SECURED FROM UNAUTHORIZED ACCESS, USE, THEFT, OR VANDALISM. SUCH PRECAUTIONS MAY INCLUDE INSTALLATION OF SIGNS, FENCES, OR POSTING OF SECURITY GUARDS.
5. CONTRACTOR SHALL, AT ALL TIMES, UTILIZE ALL NORMALLY ACCEPTED AND REASONABLY EXPECTED SAFETY PRACTICES AND COMPLY WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS, ORDINANCES AND GUIDELINES PERTAINING TO SAFE UTILIZATION OF EQUIPMENT OR MATERIALS AS PUBLISHED BY THEIR MANUFACTURER'S.
6. CONTRACTOR SHALL COMPLY IN EVERY RESPECT WITH THE PROVISIONS OF THE FLORIDA STATE TRENCH SAFETY ACT.
7. THE CONTRACTOR SHALL TAKE ALL REASONABLE PRECAUTIONS FOR THE SAFETY OF, AND SHALL PROVIDE ALL REASONABLE PROTECTION TO PREVENT DAMAGE, INJURY OR LOSS TO:

   A. ALL EMPLOYEES ON THE WORK AND ALL OTHER PERSONS WHO MAY BE AFFECTED THEREBY;

   B. ALL THE WORK AND ALL MATERIALS AND EQUIPMENT TO BE INCORPORATED THEREIN, WHETHER IN STORAGE ON OR OFF THE SITE, UNDER THE CARE, CUSTODY OR CONTROL OF THE CONTRACTOR OR ANY OF ITS SUBCONTRACTORS;

   C. OTHER PROPERTY AT THE SITE OR ADJACENT THERETO, BUT NOT LIMITED TO TREES, SHRUBS, LAWNS, WALKS, PAVEMENTS, ROADWAY, STRUCTURES AND UTILITIES PUBLIC OR PRIVATE NOT DESIGNATED FOR DEMOLITION IN THE COURSE OF CONSTRUCTION.

8. THE CONTRACTOR SHALL COMPLY IN EVERY RESPECT WITH THE FEDERAL OCCUPATIONAL HEALTH AND SAFETY ACT OF 1970 AND ALL RULES AND REGULATIONS NOW OR HEREAFTER IN EFFECT UNDER SAID ACT, AND THE CONTRACTOR FURTHER AGREES TO COMPLY WITH ANY AND ALL APPLICABLE STATE LAWS AND REGULATIONS PERTAINING TO JOB SAFETY AND HEALTH.
9. CONTRACTOR SHALL TAKE PRECONDITION PHOTOS AND RECORD A PRECONDITION VIDEO RECORDING BEFORE ANY CONSTRUCTION BEGINS.
10. THIS IS A RESIDENTIAL AREA. CONTRACTOR SHALL MAINTAIN ACCESS FOR RESIDENTS AT ALL TIMES. THE CONTRACTOR AND THE TOWN OF LONGBOAT KEY STAFF SHALL COORDINATE WITH RESIDENTS WHEN NEW DRIVEWAY APRONS ARE BEING POURED.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING ALL AREAS DISTURBED BY CONSTRUCTION.
12. CONTRACTOR SHALL USE A STREET SWEEPER (USING WATER) OR OTHER METHOD FOR DUST ABATEMENT. APPROVAL OF THE USE OF SUCH EQUIPMENT IS CONTINGENT UPON ITS DEMONSTRATED ABILITY TO DO THE WORK. CLEARING AND SWEEPING IS TO BE INCLUDED IN PAY ITEM 104-10-3 SEDIMENT BARRIER.
13. ALL N.A.V.D. 88 BENCH MARK MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED AND REFERENCED BY THE CONTRACTOR IN THE SAME WAY AS PUBLIC LAND CORNERS EXCEPT THAT THE LAND SURVEYORS SHALL NOT BE REQUIRED TO RESTORE THE N.G.V.D. BENCH MARK UPON COMPLETION OF THE WORK. THE CONTRACTOR SHALL PROMPTLY TRANSMIT ALL DISPLACED OR DAMAGED N.A.V.D. 88 DISCS TO THE TOWN OF LONGBOAT KEY SURVEYOR, WHO SHALL NOTIFY THE GEODETIC INFORMATION CENTER. INCLUDE ALL COST OF REFERENCING AND PROTECTING IN THE BID PRICE FOR MOBILIZATION. CONTRACTOR SHALL INCLUDE ALL COST OF REFERENCING, PROTECTING, AND RESTORING BENCH MARK MONUMENTS.
14. EXISTING DRAINAGE STRUCTURES WITHIN CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED.
15. CONTRACTOR WILL RESTRICT PERSONNEL, THE USE OF EQUIPMENT, AND THE STORAGE OF MATERIALS TO AREAS WITHIN THE LIMITS OF CONSTRUCTION AS NOTED ON THE PLAN SHEETS. ANY OFF-SITE STORAGE AREA WILL REQUIRE PRIOR REVIEW AND APPROVED BY THE TOWN OF LONGBOAT KEY STAFF PRIOR TO USE.
16. A FLORIDA REGISTERED SURVEYOR SHALL PROVIDE CONSTRUCTION STAKEOUT AND RECORD DRAWINGS MEASUREMENTS. THE ENGINEER OF RECORD SHALL REVIEW, SIGN, DATE, AND SEAL THE FINAL RECORD DRAWINGS.
17. THE CONTRACTOR SHALL PROVIDE COPIES OF ALL PERMITS AND SHALL COMPLY WITH ALL APPLICABLE PERMIT CONDITIONS.
18. THE CONTRACTOR SHALL MAINTAIN A CURRENT SET OF APPROVED CONSTRUCTION PLANS ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION.
19. ALL APPROVED SHOP DRAWINGS SHALL BE KEPT ON THE CONSTRUCTION SITE.
20. WHENEVER WORKING DIRECTLY UNDER OVERHEAD POWER TRANSMISSION LINES, ANY EQUIPMENT USED TO COMPLETE THE WORK MUST NOT BE CAPABLE OF REACHING OR EXTENDING HIGHER THAN 14-FEET ABOVE THE GROUND.
21. TEMPORARY DRAINAGE SHALL BE PROVIDED DURING CONSTRUCTION, IF NECESSARY, TO ELIMINATE ANY FLOODING OF PRIVATE PROPERTY.
22. ANY DAMAGE TO EXISTING ROADWAY SURFACE CAUSED BY THE CONTRACTOR'S CONSTRUCTION METHODS SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST.
23. WHERE IRRIGATION SYSTEMS ARE ENCOUNTERED, CUTTING AND CAPPING OF THE SYSTEM IN THE RIGHT-OF-WAY SHALL BE INCIDENTAL TO THE OVERALL CONSTRUCTION COST.
24. ALL DISTURBED UNPAVED AREAS SHALL SODDED.
25. CONTRACTOR SHALL OBTAIN A RIGHT OF ENTRY TO ACCESS GOLF COURSE PROPERTY IN ORDER TO RELOCATE EXISTING SPRINKLER HEADS ONTO PRIVATE PROPERTY.

SURVEY NOTES:

1. BENCHMARK AND VERTICAL DATUM IS BASED ON N.A.V.D. 1988
2. BASE BENCHMARK: N.G.S. A-715, PID No. DL1844, EL=7.74' AND N.G.S. 872-6089.A, PID No. DL1845, EL-4.05'
3. BASIS OF BEARINGS AND PROJECT COORDINATE DATUM IS FLORIDA STATE PLANE WEST ZONE NAD 83 (2007) ADJUSTMENT AND WAS NETWORK G.P.S. DERIVED.
4. JAY McLEOD IS THE SURVEYOR OF RECORD. HIS CONTACT INFORMATION IS 941-475-6596. EMAIL IS jmcleod@dmkassoc.com

PAY ITEM NOTES:

110-1-1 CLEARING AND GRUBBING SHALL INCLUDE ALL PAVEMENT SAW CUTTING ALONG THE ROADWAY AND IN THE CONSTRUCTION OF THE MEDIANS

110-1-1 SPRINKLER SYSTEM & GATE VALVE RELOCATION TO BE PAID FOR UNDER PAY ITEM 110-1-1 CLEARING & GRUBBING.

ROADWAY PLANS
ENGINEER OF RECORD: KREG E. MAHEU, P.E.
P.E. NO. 45766

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DMK ASSOCIATES, INC.
405 COMMERCIAL CT, SUITE E
VENICE, FL. 34292
PHONE: 941-412-1293
FAX: 941-412-1043
KREG E. MAHEU, P.E.
P.E. No. 45766
CA No: 3943

TOWN OF LONGBOAT KEY

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 789	SARASOTA	N/A

GENERAL NOTES SHEET (1)

SHEET NO. 3

GENERAL NOTES (CONT.)

MAINTENANCE OF TRAFFIC NOTES:

1. TRAFFIC CONTROL, INCLUDING PEDESTRIAN TRAFFIC, SHALL BE MAINTAINED IN ACCORDANCE WITH FDOT STANDARDS PLANS, INDEX SERIES 102-600 SERIES.
2. REPLACE ALL TRAFFIC CONTROL SIGNS THAT ARE DAMAGED OR DISTURBED DURING CONSTRUCTION.
3. LANE CLOSURES WILL NOT BE ALLOWED BETWEEN 6AM-7PM UNLESS A LANE CLOSURE ANALYSIS IS PREFORMED BY CONTRACTOR AND APPROVED BY FDOT.
4. THE WORK ZONE SPEED SHALL BE THE REDUCED REGULATORY SPEED OF 40 MPH PER DESIGN VARIANCES APPROVED BY FDOT PER PERMIT 2019-A-194-00056.
5. THE CONTRACTOR AT HIS OWN COST MAY REVISE THE TEMPORARY TRAFFIC CONTROL PLAN (TTCP) AND SUBMIT THE PLANS TO THE TOWN OF LONGBOAT KEY AND FDOT FOR APPROVAL. THE PLANS MUST BE SIGNED AND SEALED BY A LICENSED FLORIDA PROFESSIONAL ENGINEER WHO HAS SUCCESSFULLY COMPLETED ADVANCED TRAINING IN MAINTENANCE OF TRAFFIC. THE CONTRACTOR SHALL NOT BEGIN WORK UNTIL A TRAFFIC CONTROL PLAN IS APPROVED BY THE TOWN OF LONGBOAT KEY AND FDOT.
6. THE APPROVED TRAFFIC CONTROL PLAN MAY BE MODIFIED TO FIT FIELD CONDITIONS BY A PERSON WHO HAS SUCCESSFULLY COMPLETED ADVANCED TRAINING IN MAINTENANCE OF TRAFFIC. IF THE MODIFICATION CHANGES THE CONCEPT, IT IS REQUIRED TO BE PREPARED BY, AND SIGNED AND SEALED BY A QUALIFIED FLORIDA PROFESSIONAL ENGINEER. EXCEPT IN AN EMERGENCY, NO CHANGES TO THE APPROVED PLAN ARE ALLOWED UNTIL WRITTEN APPROVAL IS RECEIVED.
7. PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) SHALL BE IN PLACE AT LEAST 2 WEEKS PRIOR TO THE START OF CONSTRUCTION ACTIVITIES.

SIGNING AND STRIPING NOTES:

1. THE CONTRACTOR SHALL PROVIDE, INSTALL, AND MAINTAIN TEMPORARY SIGNAGE IN ACCORDANCE WITH THE CURRENT FLORIDA DOT STANDARDS, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AS AMENDED AND SHALL MAINTAIN LOCAL TRAFFIC AT ALL TIMES.
2. PAVEMENT MARKINGS TO CONFORM TO M.U.T.C.D, LATEST EDITION.
3. ALL CENTER LINE PAVEMENT MARKINGS SHALL HAVE REFLECTIVE RAISED PAVEMENT MARKINGS (RPM'S) UNLESS OTHERWISE NOTED.
4. ALL PAVEMENT MARKINGS TO BE LEAD AND SOLVENT FREE ALKYD THERMOPLASTIC.
5. ALL EXISTING TRAFFIC SIGNS ARE TO REMAIN UNLESS OTHERWISE NOTED ON THE PLANS.
6. THE SIGN LOCATIONS SHOWN ARE APPROXIMATE AND MAY REQUIRE FIELD ADJUSTMENT AS DIRECTED BY THE ENGINEER.
7. FOR PAVEMENT MARKING AND SIGN INSTALLATION DETAILS REFER TO FDOT ROADWAY DESIGN STANDARD PLANS.

UTILITY NOTES:

1. THE LOCATIONS OF THE EXISTING UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE ONLY. THE EXACT UTILITIES AND LOCATIONS OF UTILITIES SHALL BE DETERMINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING IF "OTHER UTILITIES" NOT SHOWN ON THE PLANS, EXIST WITHIN THE AREA OF CONSTRUCTION. SHOULD "OTHER UTILITIES," EXIST, THE CONTRACTOR SHALL NOTIFY THE RESPECTIVE UTILITY OWNERS(S) AND RESOLVE UTILITY CONFLICTS AND MAKE UTILITY ADJUSTMENTS AT ON COST TO THE OWNER.
2. THE LOCATION(S) OF UTILITIES SHOWN IN THE PLANS ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION PRIOR TO CONSTRUCTION.
3. ALL EXISTING UTILITIES ARE TO REMAIN IN PLACE UNLESS OTHERWISE NOTED.
4. TOWN OF LONGBOAT KEY REPRESENTATIVES SHALL BE PRESENT DURING ALL OPERATIONS INVOLVING EXISTING UTILITIES.
5. CONTRACTOR SHALL NOT INTERRUPT EXISTING UTILITIES WITHOUT WRITTEN PERMISSION OF UTILITY OWNER.
6. CONTRACTOR SHALL OBTAIN GAS I.D. NUMBER FROM LOCAL GAS COMPANY, WHERE APPLICABLE.
7. CONTRACTOR SHALL CONTACT SUNSHINE 811 (1-800-432-4770), AS REQUIRED BY CHAPTER 556 OF THE FLORIDA STATUTES, TWO BUSINESS DAYS IN ADVANCE OF BEGINNING CONSTRUCTION ON THE JOB SITE: UTILITY AGENCY OWNER TELEPHONE NUMBER UTILITY AGENCY OWNER TELEPHONE NUMBER

UTILITY OWNER	CONTACT PERSON	TELEPHONE NUMBER
LONGBOAT KEY UTILITIES	BERT WARNER	941-316-1988
FP&L DISTRIBUTION	MICHAEL THOMASON	941-927-4220
FRONTIER COMMUNICATION	DENISE HUTTON	941-906-6722
TECO PEOPLES GAS	DAN SHANAHAN	941-342-4006
COMCAST CABLE	STEVE HOFFMAN	941-342-2135

UTILITY LEGEND:

—— – – OE – – ——	OVERHEAD ELECTRIC
—— – – BE – – ——	BURIED ELECTRIC
—— – – S – – ——	SANITARY SEWER
—— – – W – – ——	WATER MAIN
—— – – G – – ——	GAS MAIN
—— – – BTV(C) – – ——	BURIED CABLE

ROADWAY PLANS
ENGINEER OF RECORD: KREG E. MAHEU, P.E.
P.E. NO. 45766

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DMK ASSOCIATES, INC.
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VENICE, FL. 34292
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CA No: 3943

TOWN OF LONGBOAT KEY

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 789	SARASOTA	N/A

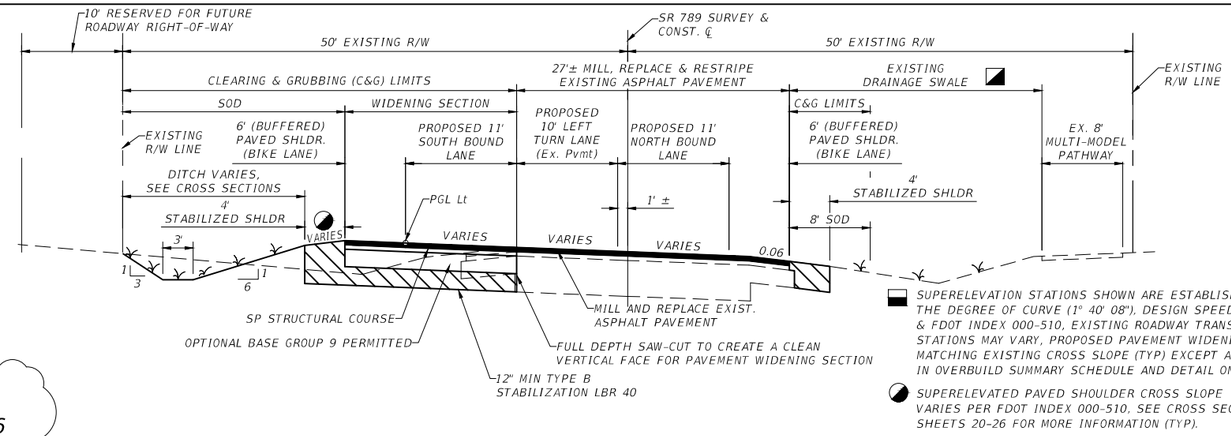
GENERAL NOTES SHEET (2)

SHEET NO. 4

3/24/2025 10:12:35 AM

TYPICAL SECTION STATION

- 247+77.38 to 253+33.10
- 253+33.10 to 252+98.43
- 252+98.43 to 256+88.16
- 256+88.16 to 257+65.50
- 257+65.50 to 276+48.18
- 276+48.18 to 277+51.46
- 277+51.46 to 280+53.21
- 280+53.21 to 281+32.49
- 281+32.49 to 284+45.80
- 284+45.80 to 288+33.50
- 288+33.50 to 291+25.00
- 291+25.00 to 293+25.00 SEE SHEET 6

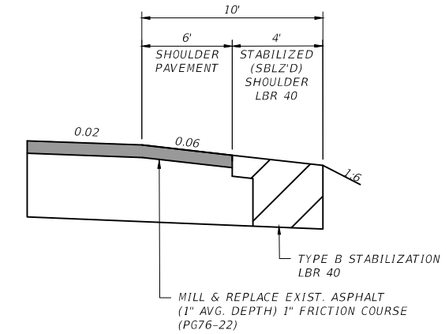


EXISTING SWALE AND DRAINAGE APPURTENANCES TO BE PROTECTED IN-PLACE.

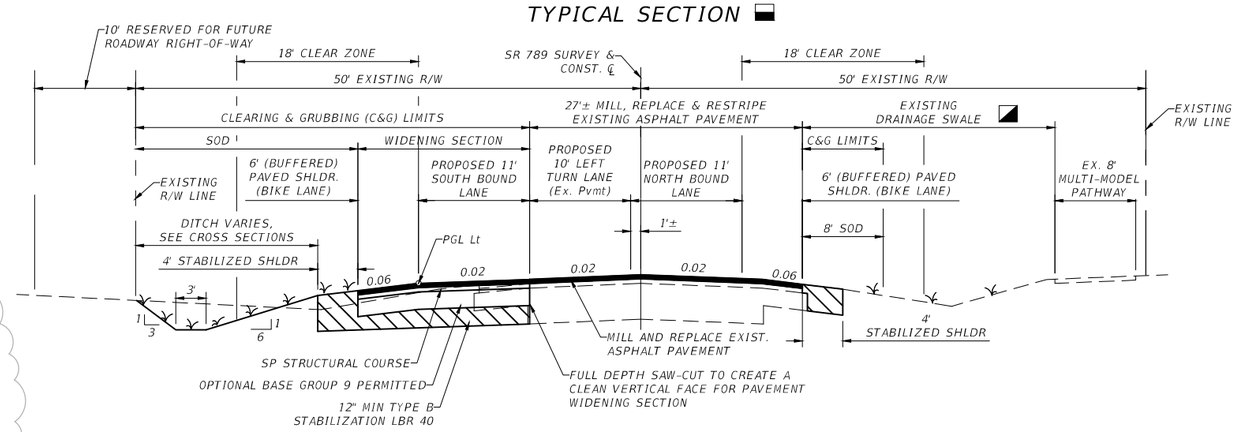
SUPERELEVATION STATIONS SHOWN ARE ESTABLISHED BY THE DEGREE OF CURVE (1° 40' 08"), DESIGN SPEED (45 MPH) & FDOT INDEX 000-510, EXISTING ROADWAY TRANSITION STATIONS MAY VARY, PROPOSED PAVEMENT WIDENING SHALL MATCHING EXISTING CROSS SLOPE (TYP) EXCEPT AS SHOWN IN OVERBUILD SUMMARY SCHEDULE AND DETAIL ON SHEET 6.

SUPERELEVATED PAVED SHOULDER CROSS SLOPE VARIES PER FDOT INDEX 000-510, SEE CROSS SECTION SHEETS 20-26 FOR MORE INFORMATION (TYP).

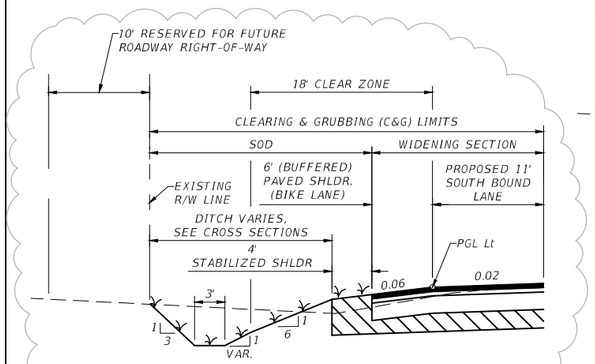
STANDARD SUPERELEVATED ROADWAY WIDENING TYPICAL SECTION



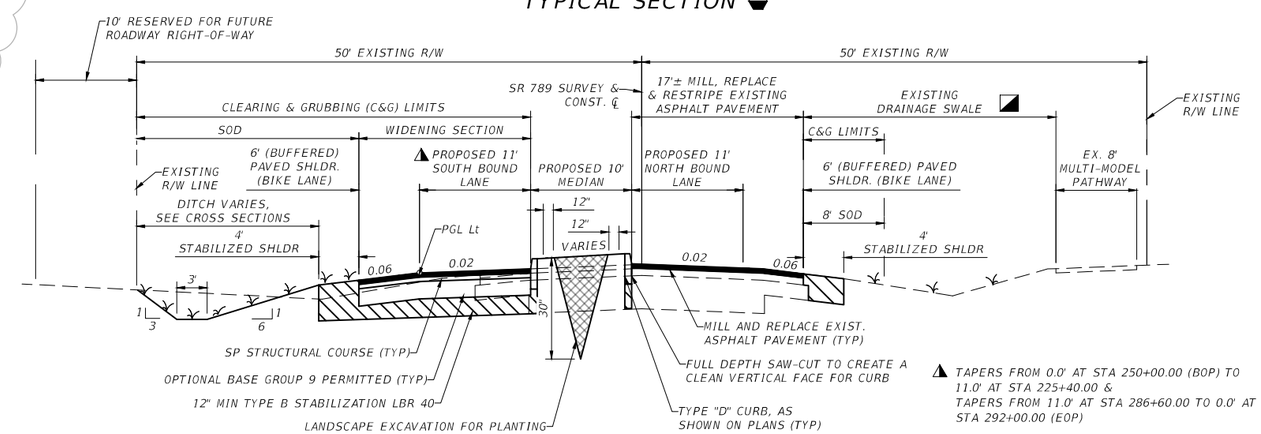
SHOULDER PAVEMENT DETAIL



LEFT TURN LANE & STANDARD ROADWAY WIDENING TYPICAL SECTION



LEFT SWALE SIDE SLOPE TYPICAL SECTION 261+00.00 to 267+00.00 SEE CROSS SECTION SHEET 22



TAPERS FROM 0.0' AT STA 250+00.00 (BOP) TO 11.0' AT STA 225+40.00 & TAPERS FROM 11.0' AT STA 286+60.00 TO 0.0' AT STA 292+00.00 (EOP)

CURBED MEDIAN & ROADWAY WIDENING TYPICAL SECTION

Actual width of base widening may vary due to actual existing pavement width. Contractor may elect to place uniform width base widening strip at no additional cost.

OPTIONAL BASE GROUP 9 COURSE PERMITTED
10" LIMEROCK BASE COURSE (LBR 100)
6" ASPHALTIC BASE CONCRETE (TYPE B-12.5)

MILLING
MILL EXISTING ASPHALT PAVEMENT (1" AVG. DEPTH)

RESURFACING
FRICTION COURSE FC-12.5 (1") (TRAFFIC C)

OVERBUILD RESURFACING
STRUCTURAL COURSE SP-12.5 (TRAFFIC C) (3" MAXIMUM LIFTS)

WIDENING
12" TYPE B STABILIZATION (LBR 40)
OPTIONAL BASE GROUP 9 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (1½") w/
FRICTION COURSE FC-12.5 (1")

TRAFFIC DATA

CURRENT YEAR	= 2023	AADT = 17,300
ESTIMATED OPENING YEAR	= 2025	AADT = 17,647
ESTIMATED DESIGN YEAR	= 2030	AADT = 18,547

K = 10.4% D = 52.5% T = 4.8% (24 HOUR)
DESIGN HOUR T = 2.4%

EXISTING DESIGN SPEED = 45 MPH
EXISTING POSTED SPEED = 45 MPH

PROPOSED DESIGN SPEED = 40 MPH
PROPOSED POSTED SPEED= 40 MPH

CLEAR ZONE 18' FROM EDGE OF OUTSIDE TRAVEL LANE

ROADWAY PLANS
ENGINEER OF RECORD: KREG E. MAHEU, P.E.
P.E. NO. 45766

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

F:\Projects\2016\16-0280 LBK RFP 16-010\61-Bike-Lane\1234567890\Roadway\TYPSRD01.dwg

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
04-23	Added Left Swale Side Slope Typical Section		
03-25	Revised Typical Section Stations (Median Mod.)		

DMK ASSOCIATES, INC.
405 COMMERCIAL CT, SUITE E
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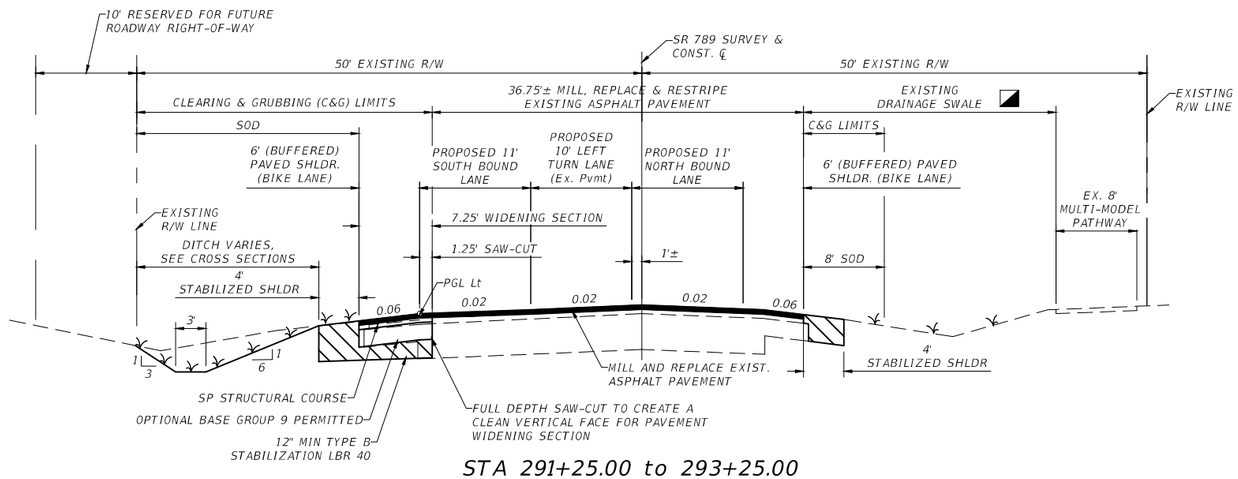
FAX: 941-412-1043
KREG E. MAHEU, P.E.
P.E. No. 45766
CA No: 3943

TOWN OF LONGBOAT KEY

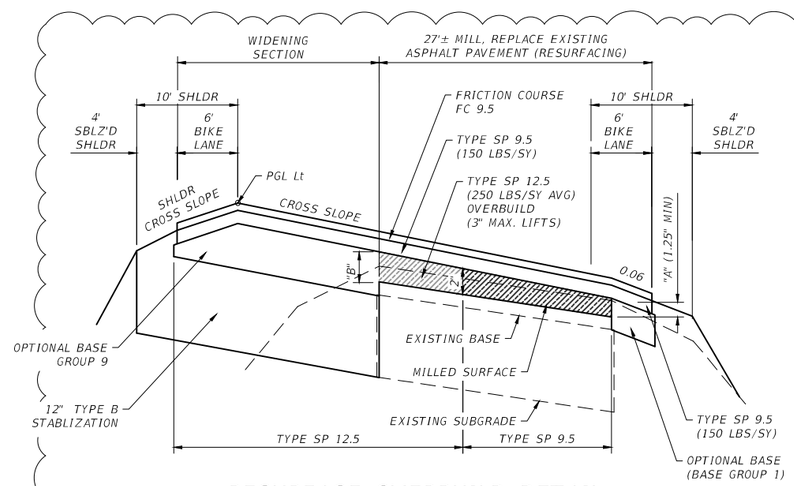
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 789	SARASOTA	N/A

TYPICAL SECTIONS (1)

SHEET NO. 5



STA 291+25.00 to 293+25.00
LEFT TURN LANE & ROADWAY WIDENING
TYPICAL SECTION



RESURFACE OVERBUILD DETAIL

OVERBUILD SUMMARY SCHEDULE

STATION	CROSS SLOPE	SHLDR CROSS SLOPE	DEPTH "A"	DEPTH "B"
275+00.00	(+) 0.018	(-) 0.052	0.00'	0.00'
275+17.58	(+) 0.013	(-) 0.057	0.00'	0.00'
275+50.00	(+) 0.009	(-) 0.060	0.18'	0.12'
276+00.00	(+) 0.000	(-) 0.060	0.38'	0.23'
276+50.00	(-) 0.006	(-) 0.060	0.20'	0.10'
276+70.00	(-) 0.008	(-) 0.060	0.00'	0.00'

OPTIONAL BASE GROUP 9 COURSE PERMITTED
10" LIMEROCK BASE COURSE (LBR 100)
6" ASPHALTIC BASE CONCRETE (TYPE B-12.5)

MILLING
MILL EXISTING ASPHALT PAVEMENT (1" AVG. DEPTH)

RESURFACING
FRICTION COURSE FC-12.5 (1") (TRAFFIC C)

OVERBUILD RESURFACING
STRUCTURAL COURSE SP-12.5 (TRAFFIC C)
(3" MAXIMUM LIFTS)

WIDENING
12" TYPE B STABILIZATION (LBR 40)
OPTIONAL BASE GROUP 9 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (1½") w/
FRICTION COURSE FC-12.5 (1")

TRAFFIC DATA

CURRENT YEAR = 2023 AADT = 17,300
ESTIMATED OPENING YEAR = 2025 AADT = 17,647
ESTIMATED DESIGN YEAR = 2030 AADT = 18,547
K = 10.4% D = 52.5% T = 4.8% (24 HOUR)
DESIGN HOUR T = 2.4%

EXISTING DESIGN SPEED = 45 MPH
EXISTING POSTED SPEED = 45 MPH

PROPOSED DESIGN SPEED = 40 MPH
PROPOSED POSTED SPEED= 40 MPH

CLEAR ZONE 18' FROM EDGE OF OUTSIDE TRAVEL LANE

ROADWAY PLANS
ENGINEER OF RECORD: KREG E. MAHEU, P.E.
P.E. NO. 45766

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION
01-23	Added Overbuild Detail and Schedule, per FDOT Comments, Dated 12-14-2022		

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CA No: 3943

TOWN OF LONGBOAT KEY

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 789	SARASOTA	N/A

TYPICAL SECTIONS (2)

SHEET NO. 6

BID ITEM NO.	DESCRIPTION	UNIT	APPROX. QUANTITY
57-7	SURVEY, STAKEOUT & RECORD DRAWINGS	LS	1
57-7	CONSTRUCTION ENGINEERING AND INSPECTION, CEI	LS	1
101-1	MOBILIZATION	LS	1
102-1	MAINTENANCE OF TRAFFIC	LS	1
102-71-13	TEMPORARY BARRIER, F&I LOW PROFILE, CONCRETE	LF	4,000
102-99	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED	240
104-10-3	SEDIMENT BARRIER	LF	9,045
104-11	FLOATING TURBIDITY BARRIER	LF	40
104-18	INLET PROTECTION SYSTEM	EA	13
107-1	LITTER REMOVAL	AC	8.662
107-2	MOWING	AC	7.881
110-1-1	CLEARING AND GRUBBING	AC	5.322
120-1	REGULAR EXCAVATION	CY	3,177
120-6	EMBANKMENT	CY	2,386
160-4	TYPE B STABILIZATION (LBR 40)	SY	12,480
285-70-4	OPTIONAL BASE, BASE GROUP 01	SY	340
285-70-9	OPTIONAL BASE, BASE GROUP 09	SY	8,768
327-70-1	MILLING EXISTING ASPHALT PAVEMENT, 1" AVERAGE DEPTH	SY	13,258
334-1-13	SUPERPAVE ASPHALTIC CONCRETE TRAFFIC C (SP-9.5)	TN	742
334-1-13	SUPERPAVE ASPHALTIC CONCRETE TRAFFIC C (SP-12.5)	TN	83
337-7-83	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C, FC-12.5, PG76-22	TN	1,240
400-0-11	CLASS NS CONCRETE	CY	3.5
425-2-41(M)	MANHOLE, P-7,<10'	EA	1
430-175-130	PIPE CULVERT, OPT. MATERIAL, ROUND, 30" S/CD	LF	14
520-2-4	CONCRETE CURB TYPE "D"	LF	1,649
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	60
570-1-2	PERFORMANCE TURF, SOD	SY	17,318

ROADWAY PLANS
ENGINEER OF RECORD: KREG E. MAHEU, P.E.
P.E. NO. 45766

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION
03-25	Revised Quantities (Median Mod.)		

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TOWN OF LONGBOAT KEY

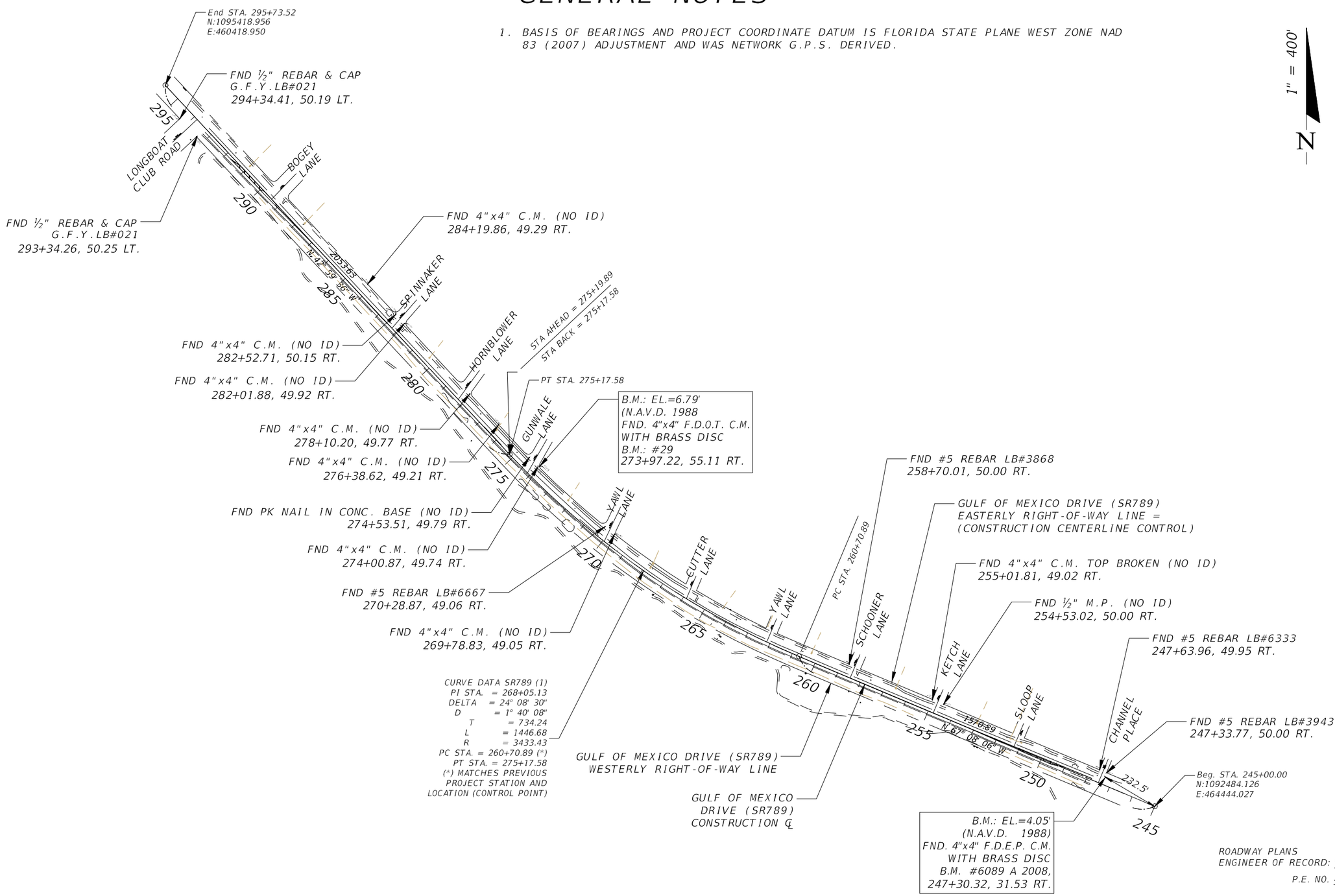
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 789	SARASOTA	N/A

SUMMARY OF PAY ITEMS

SHEET NO. 7

GENERAL NOTES

1. BASIS OF BEARINGS AND PROJECT COORDINATE DATUM IS FLORIDA STATE PLANE WEST ZONE NAD 83 (2007) ADJUSTMENT AND WAS NETWORK G.P.S. DERIVED.



ROADWAY PLANS
ENGINEER OF RECORD: KREG E. MAHEU, P.E.
P.E. NO. 45766

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DMK ASSOCIATES, INC.
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CA No: 3943

TOWN OF LONGBOAT KEY

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 789	SARASOTA	N/A

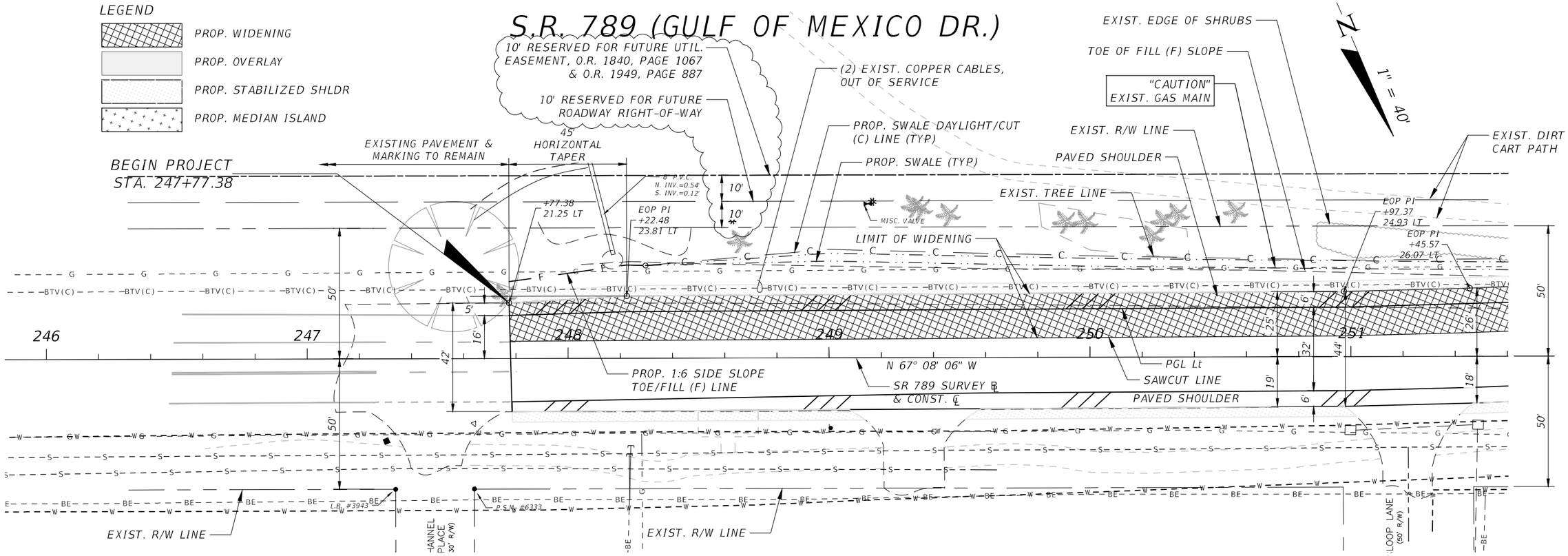
HORIZONTAL CONTROL AND REFERENCE POINT PLAN SHEET

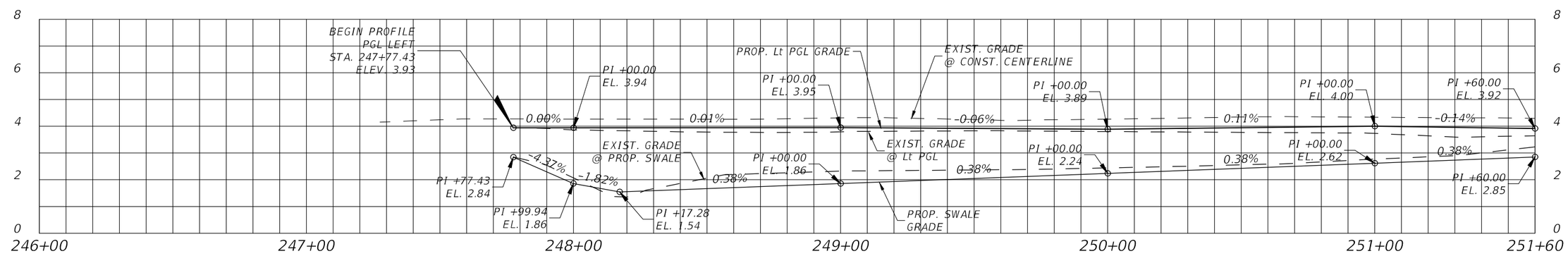
SHEET NO. 8

LEGEND

- PROP. WIDENING
- PROP. OVERLAY
- PROP. STABILIZED SHLDR
- PROP. MEDIAN ISLAND

S.R. 789 (GULF OF MEXICO DR.)





SR-789 (GULF OF MEXICO DRIVE) Sta. 246+00.00-251+60.00

SCALE:
1"=40' HORIZONTAL
1"=4' VERTICAL

ROADWAY PLANS
ENGINEER OF RECORD: KREG E. MAHEU, P.E.
P.E. NO. 45766

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
04-23	Revised Left Swale Side Slope Between Sta: 259+00 to 269+00, Added Future Util. and Roadway R/W Easement Lines		

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P.E. No. 45766
CA No: 3943

TOWN OF LONGBOAT KEY

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 789	SARASOTA	N/A

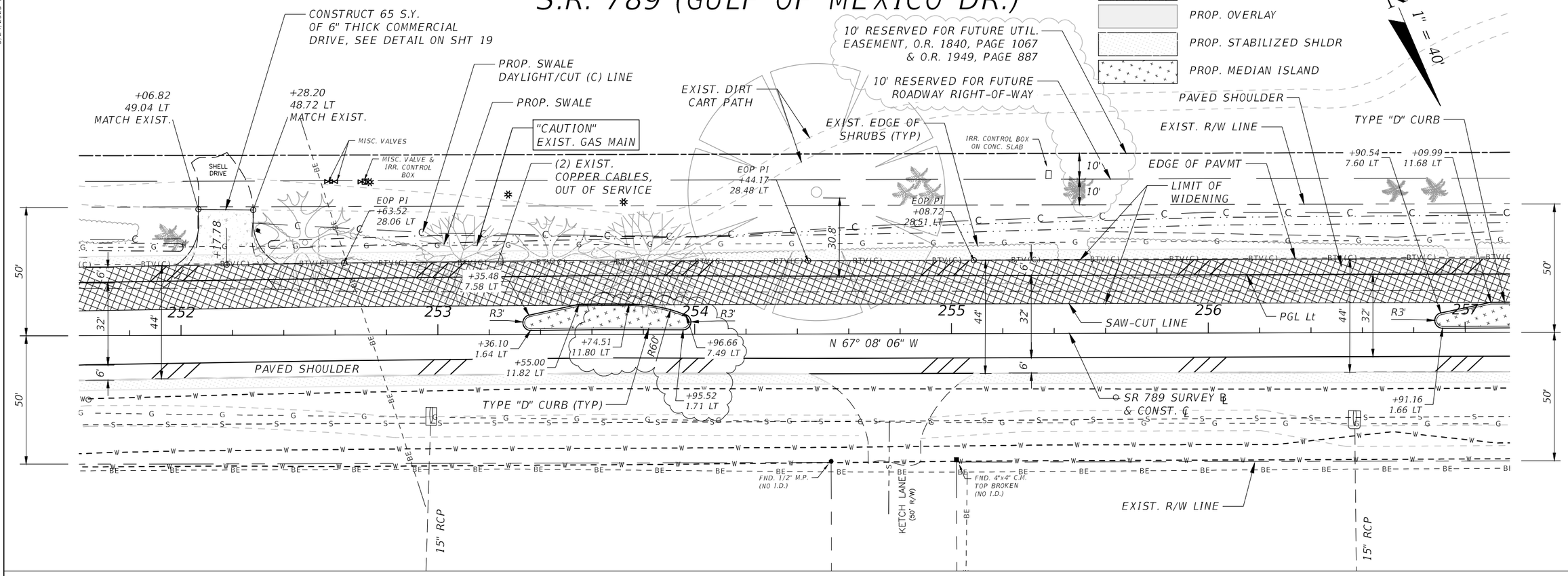
ROADWAY PLAN & PROFILE (1)
STA. 246+00 - STA. 251+60

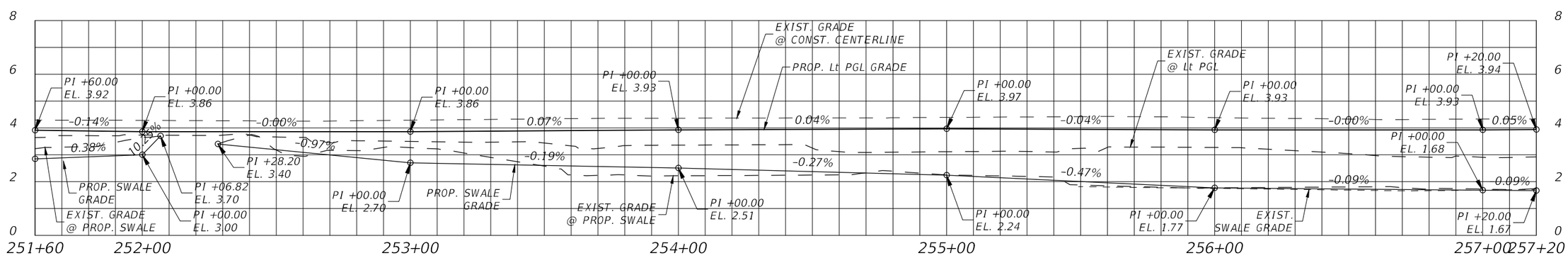
SHEET NO. 9

S.R. 789 (GULF OF MEXICO DR.)

LEGEND
- PROP. WIDENING
- PROP. OVERLAY
- PROP. STABILIZED SHLDR
- PROP. MEDIAN ISLAND

N 1" = 40'





SR-789 (GULF OF MEXICO DRIVE) Sta. 251+60.00-257+20.00

SCALE:
1"=40' HORIZONTAL
1"=4' VERTICAL

ROADWAY PLANS
ENGINEER OF RECORD: KREG E. MAHEU, P.E.
P.E. NO. 45766

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
04-23	Revised Left Swale Side Slope Between Sta: 259+00 to 269+00, Added Future Util. and Roadway R/W Easement Lines		
03-25	Revised Median Stations (Median Mod.)		

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CA No: 3943

TOWN OF LONGBOAT KEY

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 789	SARASOTA	N/A

ROADWAY PLAN & PROFILE (2)
STA. 251+60 - STA. 257+20

SHEET NO. 10

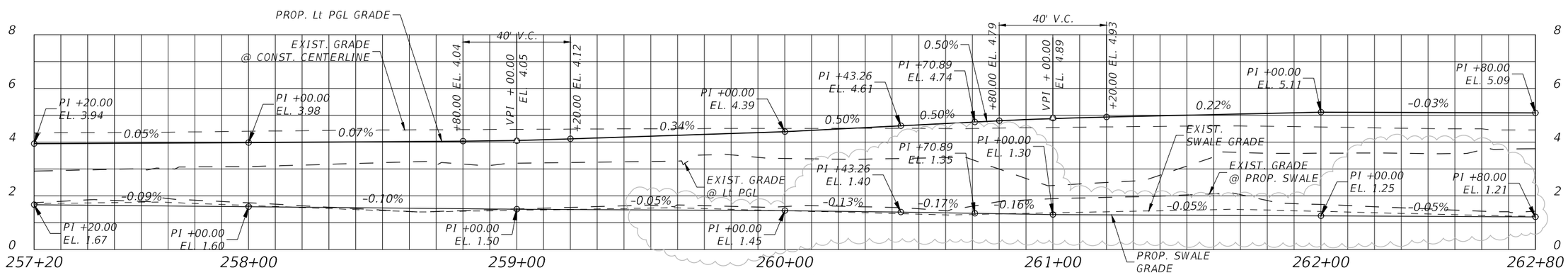
S.R. 789 (GULF OF MEXICO DR.)

LEGEND
- PROP. WIDENING
- PROP. OVERLAY
- PROP. STABILIZED SHLDR
- PROP. MEDIAN ISLAND

1" = 40'

"CAUTION" EXIST. GAS MAIN
PROP. SWALE DAYLIGHT/CUT (C) LINE
PROP. SWALE
(3) EXIST. COPPER CABLES, OUT OF SERVICE
EXIST. SCAT SIGNS, TO BE RELOCATED
ELEC. TRANS. ON CONC. PAD
EOP PI +79.15 28.56 LT
PAVED SHOULDER
(3) MISC. VALVES
5' ESM'T
EOP PI +64.45 28.57 LT
EXIST. TEE BOX
EXIST. DIRT CART PATH
10' RESERVED FOR FUTURE UTIL. EASEMENT, O.R. 1840, PAGE 1067 & O.R. 1949, PAGE 887
10' RESERVED FOR FUTURE ROADWAY RIGHT-OF-WAY
EXIST. R/W LINE
EOP PI +12.31 29.50 LT
EDGE OF PAVMT
EXIST. EDGE OF SHRUBS (TYP)
EOP PI +81.67 29.61 LT
EOP PI +44.33 30.72 LT
+63.62 7.51 LT
R3'
+62.52 1.72 LT
R60'
+41.54 11.70 LT
258 259 260 261 262
LIMIT OF WIDENING
SAW-CUT LINE
N 67° 08' 06" W
PGL Lt
PC STA. 260+70.89
CURVE SR789 (1)
TYPE "D" CURB (TYP)
P.L.S. #3868
EXIST. R/W LINE
SCHOONER LANE (50' R/W)
15" RCP
SR 789 SURVEY ℄ & CONST. ℄
YAWL LANE (50' R/W)
(2)-15" RCP

CURVE DATA SR789 (1)
PI STA. = 268+05.13
DELTA = 24° 08 30" (RT)
D = 1° 40' 08"
T = 734.24'
L = 1,446.68'
R = 3433.43
PC STA. = 260+70.89 (*)
PT STA. = 275+17.58
e = MATCH EXISTING
(*) MATCHES PREVIOUS PROJECT STATION AND LOCATION (CONTROL POINT)



SR-789 (GULF OF MEXICO DRIVE) Sta. 257+20.00-262+80.00

SCALE:
1"=40' HORIZONTAL
1"=4' VERTICAL

ROADWAY PLANS
ENGINEER OF RECORD: KREG E. MAHEU, P.E.
P.E. NO. 45766

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
04-23	Revised Left Swale Side Slope Between Sta: 259+00 to 269+00, Added Future Util. and Roadway R/W Easement Lines	09-23	Revised Left Swale Profile Grades Between Sta: 259+00 to 269+00
		03-25	Revised Median Stations (Median Mod.)

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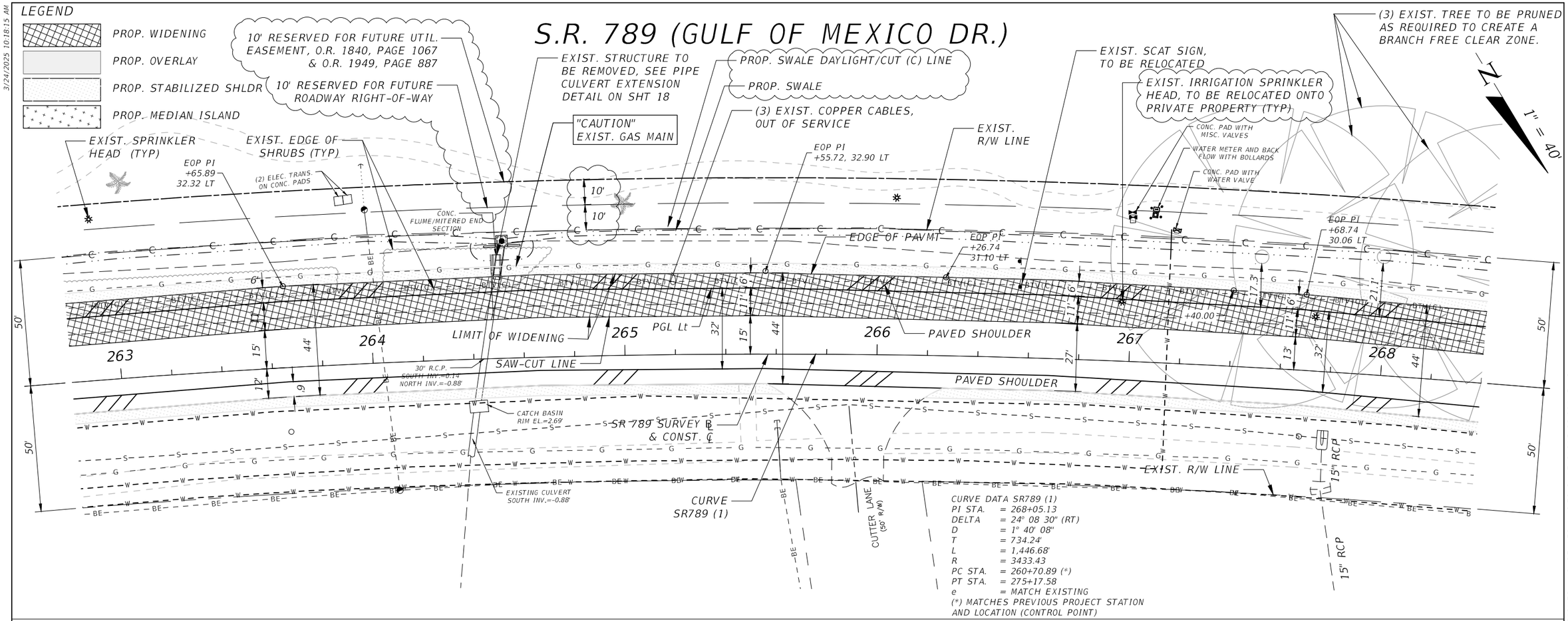
P.E. No. 45766
CA No: 3943

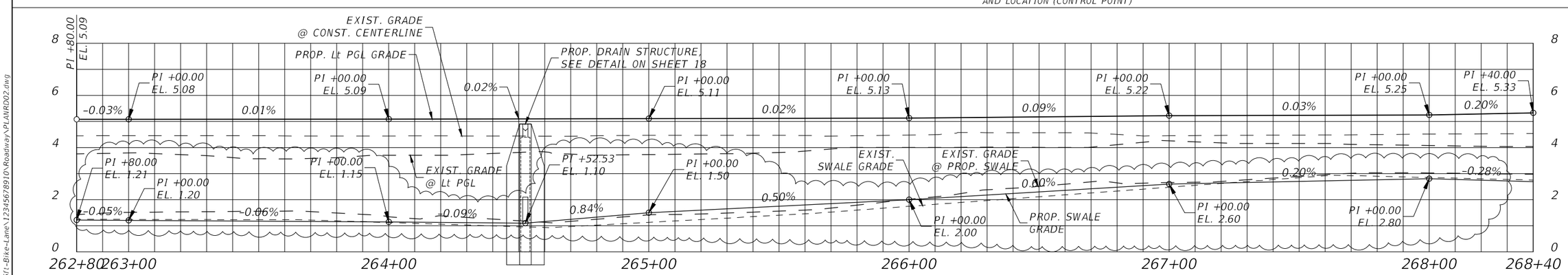
TOWN OF LONGBOAT KEY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 789	SARASOTA	N/A

ROADWAY PLAN & PROFILE (3)
STA. 257+20 - STA. 262+80

SHEET NO. 11

S.R. 789 (GULF OF MEXICO DR.)





SR-789 (GULF OF MEXICO DRIVE) Sta. 262+80.00-268+40.00

SCALE:
1"=40' HORIZONTAL
1"=4' VERTICAL

ROADWAY PLANS
ENGINEER OF RECORD: KREG E. MAHEU, P.E.
P.E. NO. 45766

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
01-23	Revised the Sprinkler Head Note	09-23	Revised Left Swale Profile Grades Between Sta: 259+00 to 269+00
04-23	Revised Left Swale Side Slope Between Sta: 259+00 to 269+00, Added Future Util. and Roadway R/W Easement Lines		

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CA No: 3943

TOWN OF LONGBOAT KEY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 789	SARASOTA	N/A

ROADWAY PLAN & PROFILE (4)
STA. 262+80 - STA. 268+40

SHEET NO. 12

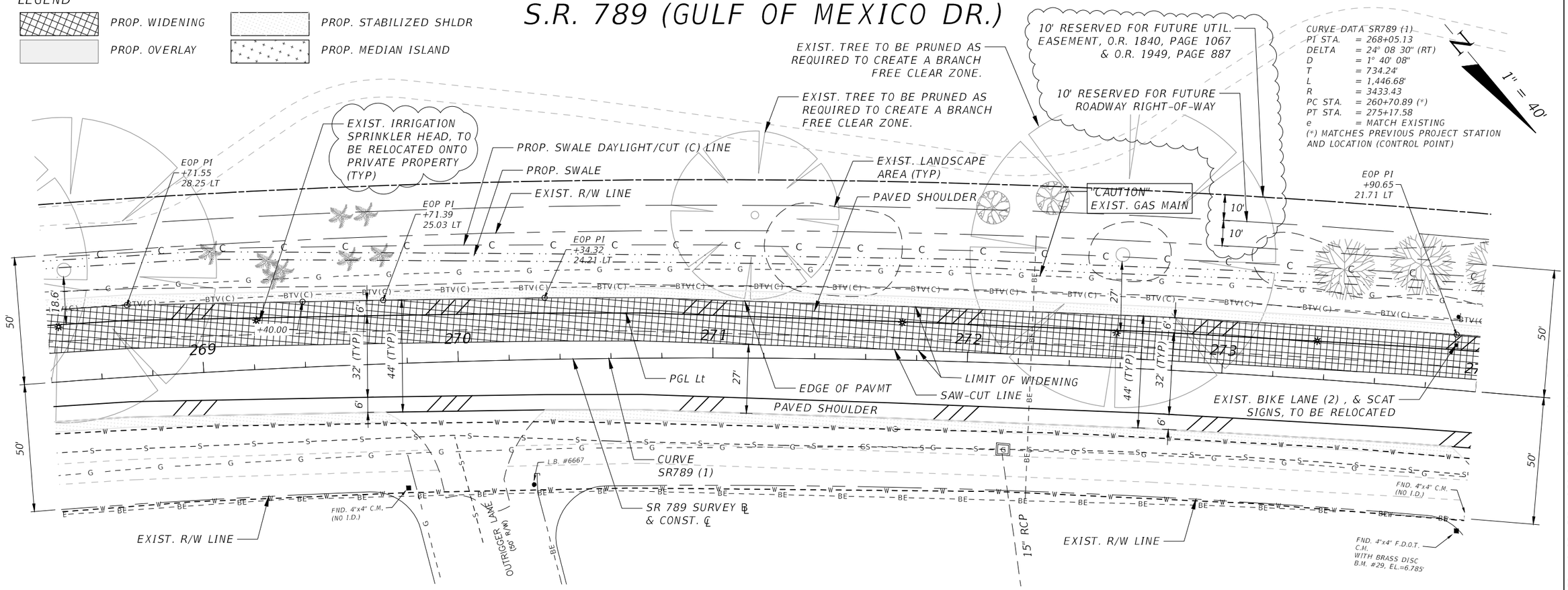
LEGEND

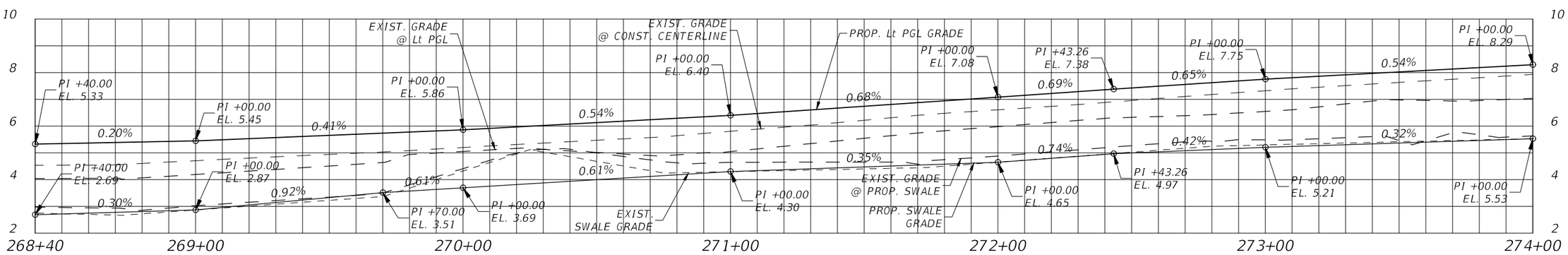
PROP. WIDENING
PROP. OVERLAY
PROP. STABILIZED SHLDR
PROP. MEDIAN ISLAND

S.R. 789 (GULF OF MEXICO DR.)

CURVE DATA SR789 (1)
PI STA. = 268+05.13
DELTA = 24° 08' 30" (RT)
D = 1° 40' 08"
T = 734.24'
L = 1,446.68'
R = 3433.43
PC STA. = 260+70.89 (*)
PT STA. = 275+17.58
e = MATCH EXISTING
(*) MATCHES PREVIOUS PROJECT STATION AND LOCATION (CONTROL POINT)

N
1" = 40'





SR-789 (GULF OF MEXICO DRIVE) Sta. 268+40.00-274+00.00

SCALE:
1"=40' HORIZONTAL
1"=4' VERTICAL

ROADWAY PLANS
ENGINEER OF RECORD: KREG E. MAHEU, P.E.
P.E. NO. 45766

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
01-23	Revised the Sprinkler Head Note		
04-23	Revised Left Swale Side Slope Between Sta: 259+00 to 269+00, Added Future Util. and Roadway R/W Easement Lines		

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P.E. No. 45766
CA No: 3943
DMK ASSOCIATES ENGINEERS SURVEYORS

TOWN OF LONGBOAT KEY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 789	SARASOTA	N/A

ROADWAY PLAN & PROFILE (5)
STA. 268+40 - STA. 274+00

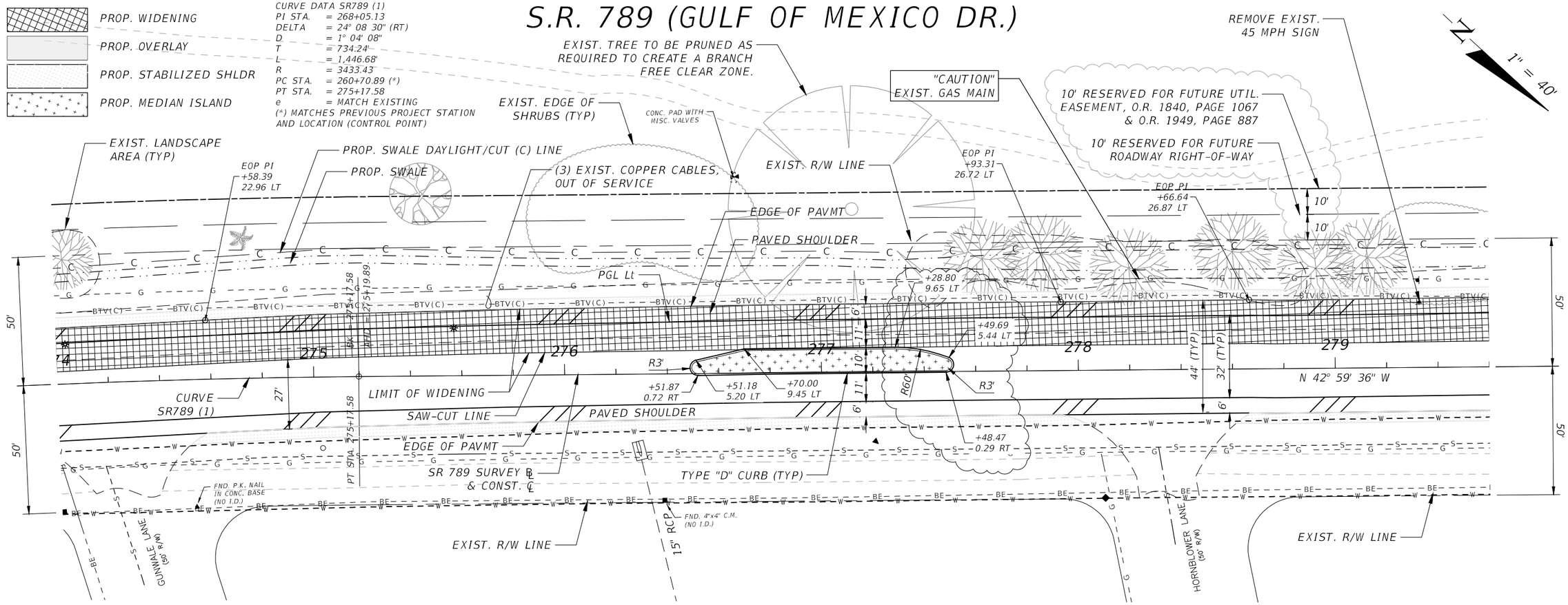
SHEET NO. 13

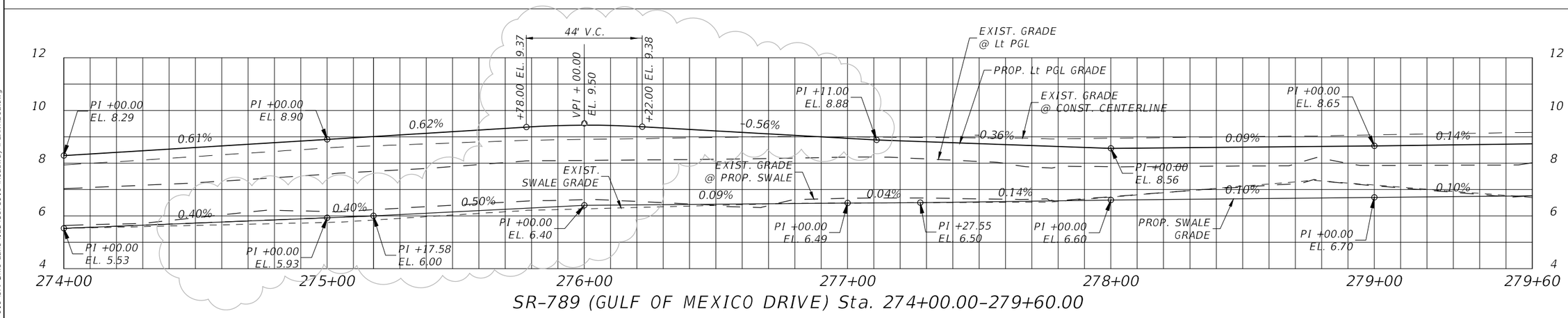
LEGEND

- PROP. WIDENING
- PROP. OVERLAY
- PROP. STABILIZED SHLDR
- PROP. MEDIAN ISLAND

CURVE DATA SR789 (1)
PI STA. = 268+05.13
DELTA = 24° 08 30" (RT)
D = 1° 04' 08"
T = 734.24'
L = 1,446.68'
R = 3433.43'
PC STA. = 260+70.89 (*)
PT STA. = 275+17.58
e = MATCH EXISTING
(*) MATCHES PREVIOUS PROJECT STATION AND LOCATION (CONTROL POINT)

S.R. 789 (GULF OF MEXICO DR.)





SR-789 (GULF OF MEXICO DRIVE) Sta. 274+00.00-279+60.00

SCALE:
1"=40' HORIZONTAL
1"=4' VERTICAL

ROADWAY PLANS
ENGINEER OF RECORD: KREG E. MAHEU, P.E.
P.E. NO. 45766

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
01-23	Revised the Lt. PGL & Swale Grades per FDOT Comments, Dated 12-14-2022	03-25	Revised Median Stations (Median Mod.)
04-23	Revised Left Swale Side Slope Between Sta: 259+00 to 269+00, Added Future Util. and Roadway R/W Easement Lines		

DMK ASSOCIATES, INC.
ASSOCIATES ENGINEERS SURVEYORS
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KREG E. MAHEU, P.E.
P.E. No. 45766
CA No: 3943

TOWN OF LONGBOAT KEY

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 789	SARASOTA	N/A

ROADWAY PLAN & PROFILE (6)
STA. 274+00 - STA. 279+60

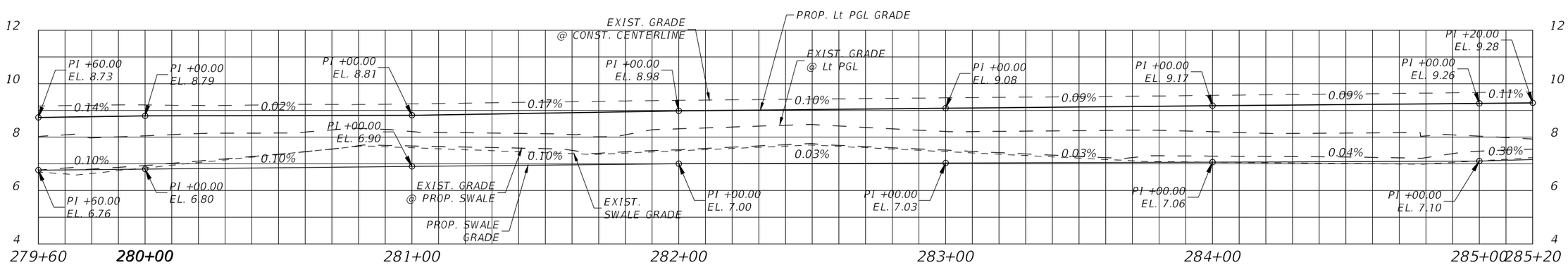
SHEET NO. 14

S.R. 789 (GULF OF MEXICO DR.)

LEGEND
- PROP. WIDENING
- PROP. OVERLAY
- PROP. STABILIZED SHLDR
- PROP. MEDIAN ISLAND

N 1" = 40'

(3) EXIST. COPPER CABLES, OUT OF SERVICE
PROP. SWALE
PROP. SWALE DAYLIGHT/CUT (C) LINE
EXIST. IRRIGATION SPRINKLER HEAD, TO BE ADJUSTED (TYP)
10' RESERVED FOR FUTURE UTIL. EASEMENT, O.R. 1840, PAGE 1067 & O.R. 1949, PAGE 887
10' RESERVED FOR FUTURE ROADWAY RIGHT-OF-WAY
EXIST. SCAT SIGNS, TO BE RELOCATED
EXIST. TREE TO BE PRUNED AS REQUIRED TO CREATE A BRANCH FREE CLEAR ZONE.
"CAUTION" EXIST. GAS MAIN
EXIST. R/W LINE
EDGE OF PAVMT
PAVED SHOULDER
EXIST. EDGE OF SHRUBS (TYP)
EOP PI +93.63 27.48 LT
EOP PI +57.18 27.34 LT
+75.00 10.39 LT
+55.59 6.28 LT
+09.74 10.33 LT
+30.54 6.09 LT
+56.22 0.35 LT
+29.49 0.28 LT
+48.80 0.58 LT
+48.19 6.52 LT
+68.00 10.62 LT
280 281 282 283 284 285
R3' R60'
N 42° 59' 36" W
PGL Lt
SAW-CUT LINE
LIMIT OF WIDENING
PAVED SHOULDER
TYPE "D" CURB (TYP)
EDGE OF PAVMT
SR 789 SURVEY ℄ & CONST. ℄
TYPE "D" CURB (TYP)
FND. 4"x4" C.M. (NO I.D.)
FND. 1" M.P. (NO I.D.)
15" RCP
SPINNAKER LANE (60' R/W)
EXIST. R/W LINE



SR-789 (GULF OF MEXICO DRIVE) Sta. 279+60.00-285+20.00

SCALE:
1"=40' HORIZONTAL
1"=4' VERTICAL

ROADWAY PLANS
ENGINEER OF RECORD: KREG E. MAHEU, P.E.
P.E. NO. 45766

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
04-23	Revised Left Swale Side Slope Between Sta: 259+00 to 269+00, Added Future Util. and Roadway R/W Easement Lines		
03-25	Revised Median Stations (Median Mod.)		

DMK ASSOCIATES, INC.
405 COMMERCIAL CT, SUITE E
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PHONE: 941-412-1293
FAX: 941-412-1043
KREG E. MAHEU, P.E.
P.E. No. 45766
CA No: 3943

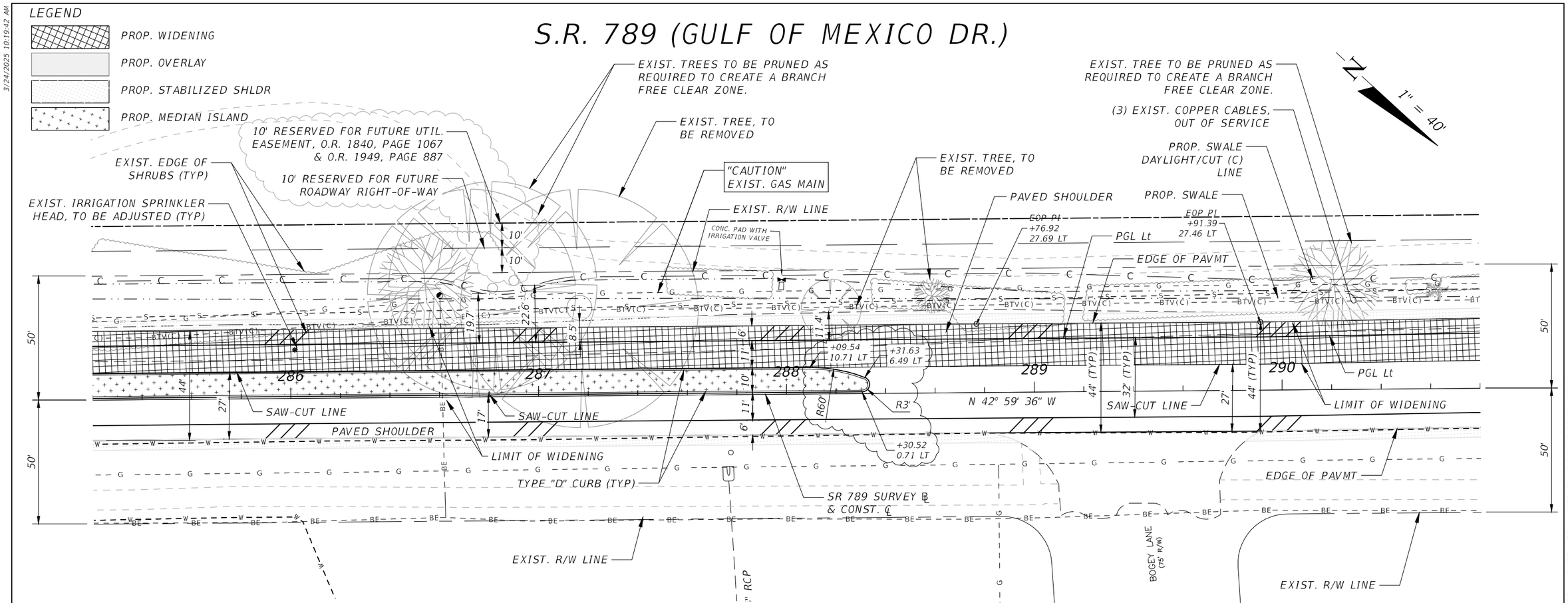
TOWN OF LONGBOAT KEY

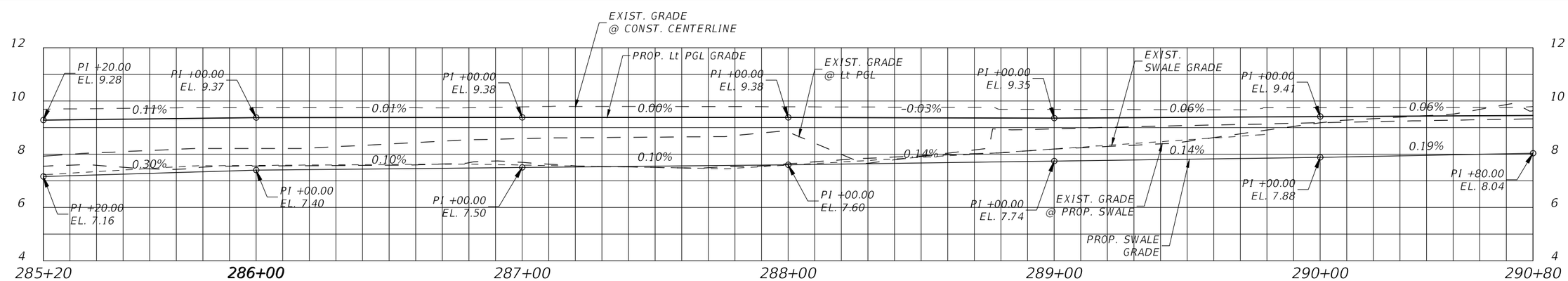
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 789	SARASOTA	N/A

ROADWAY PLAN & PROFILE (7)
STA. 279+60 - STA. 285+20

SHEET NO. 15

S.R. 789 (GULF OF MEXICO DR.)





SR-789 (GULF OF MEXICO DRIVE) Sta. 285+20.00-290+80.00

SCALE:
1"=40' HORIZONTAL
1"=4' VERTICAL

ROADWAY PLANS
ENGINEER OF RECORD: KREG E. MAHEU, P.E.
P.E. NO. 45766

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
04-23	Revised Left Swale Side Slope Between Sta: 259+00 to 269+00, Added Future Util. and Roadway R/W Easement Lines		
03-25	Revised Median Stations (Median Mod.)		

DMK ASSOCIATES, INC.
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P.E. No. 45766
CA No: 3943

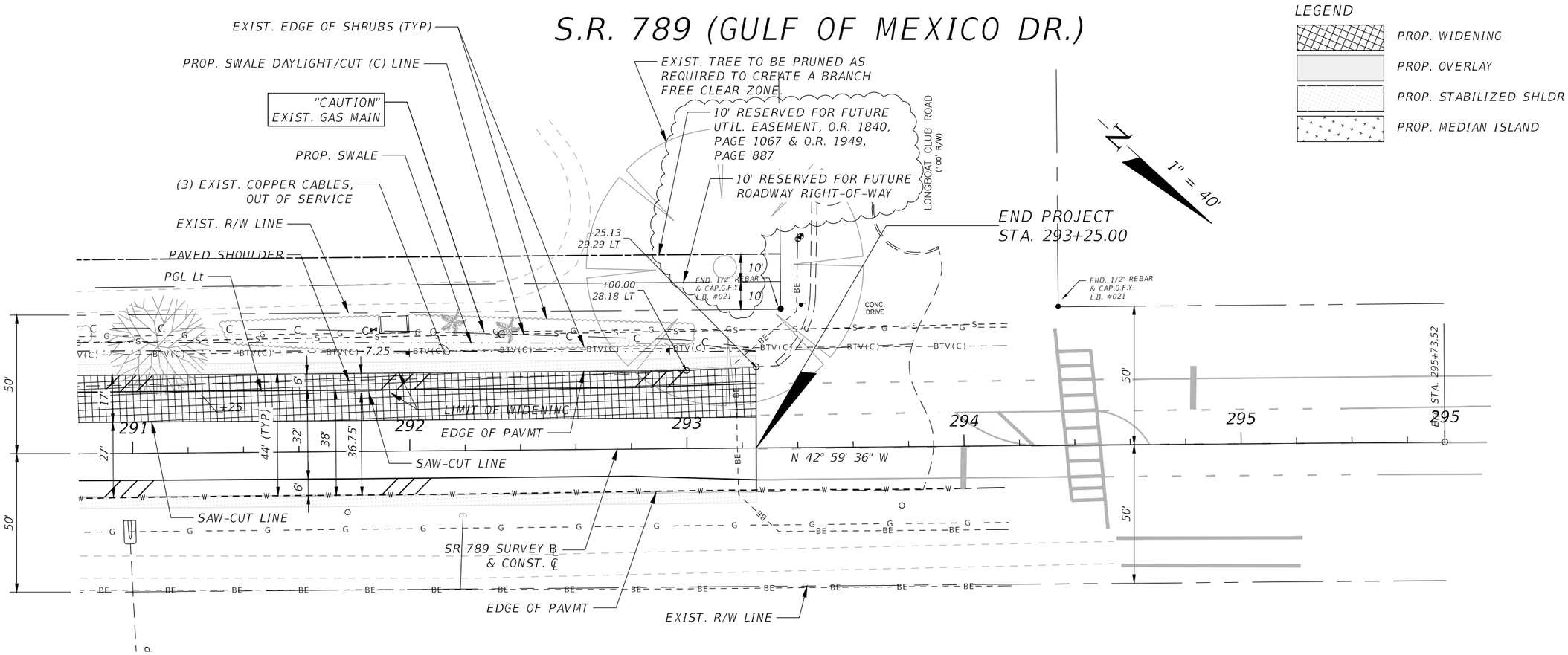
TOWN OF LONGBOAT KEY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 789	SARASOTA	N/A

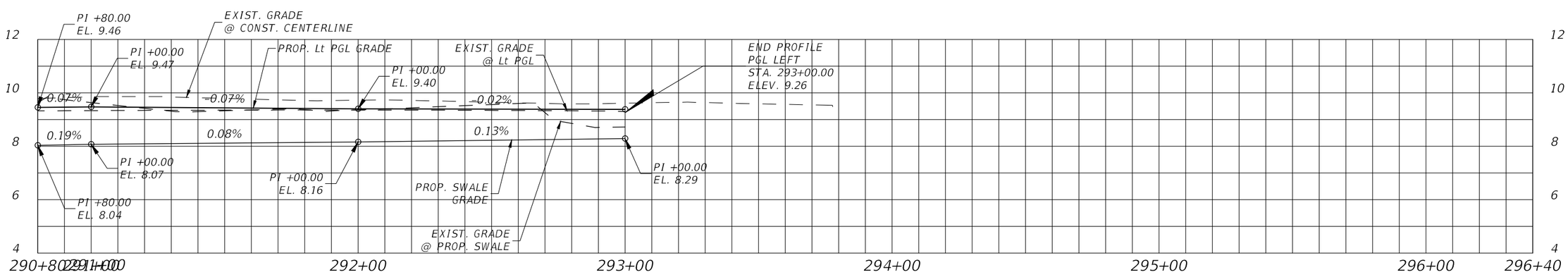
ROADWAY PLAN & PROFILE (8)
STA. 285+20 - STA. 290+80

SHEET NO. 16

3/24/2025 10:19:42 AM
F:\Projects\2016\16-0280 LBK RFP 16-010\6ft-Bike-Lane\1234567891\0\Roadway\PLANRD02.dwg

S.R. 789 (GULF OF MEXICO DR.)





SR-789 (GULF OF MEXICO DRIVE) Sta. 290+80.00-296+40.00

SCALE:
1"=40' HORIZONTAL
1"=4' VERTICAL

ROADWAY PLANS
ENGINEER OF RECORD: KREG E. MAHEU, P.E.
P.E. NO. 45766

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
04-23	Revised Left Swale Side Slope Between Sta: 259+00 to 269+00, Added Future Util. and Roadway R/W Easement Lines		

DMK ASSOCIATES, INC.
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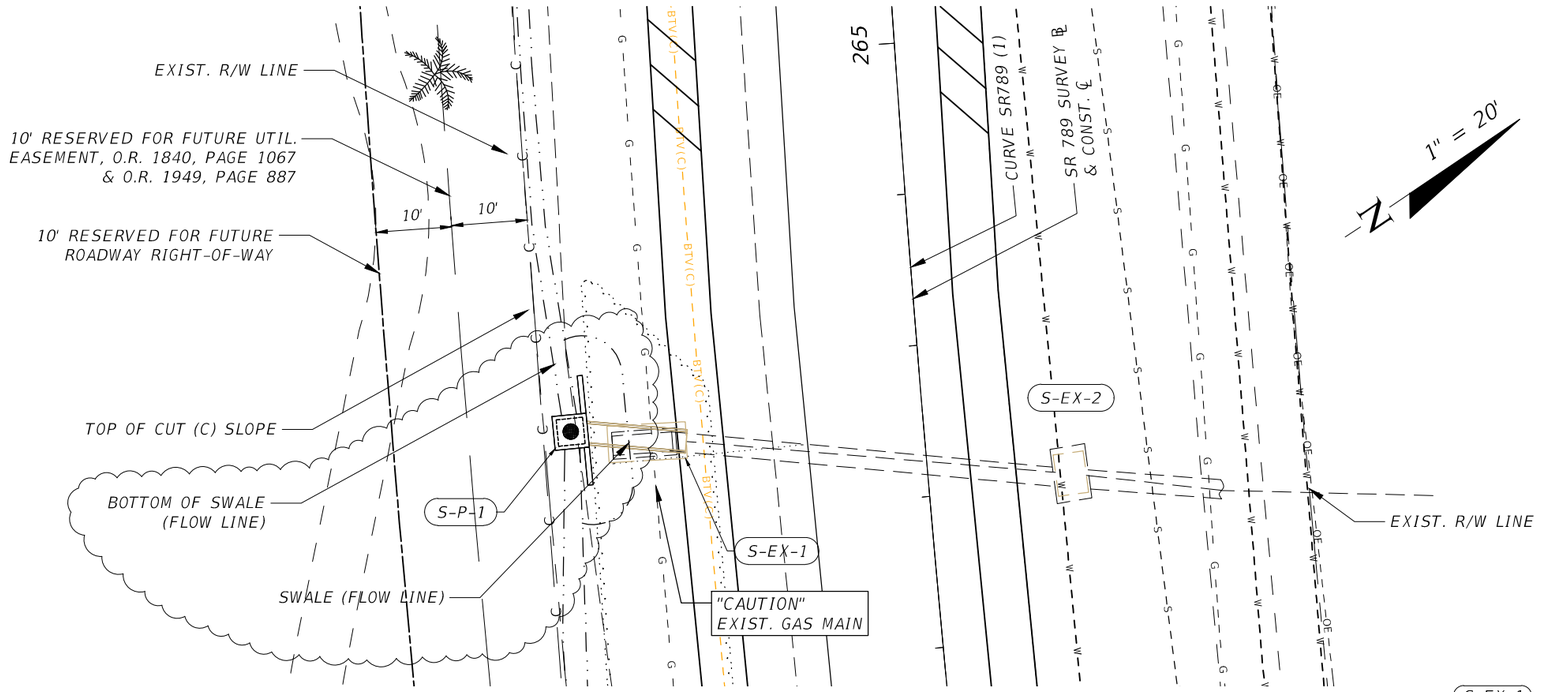
P.E. No. 45766
CA No: 3943

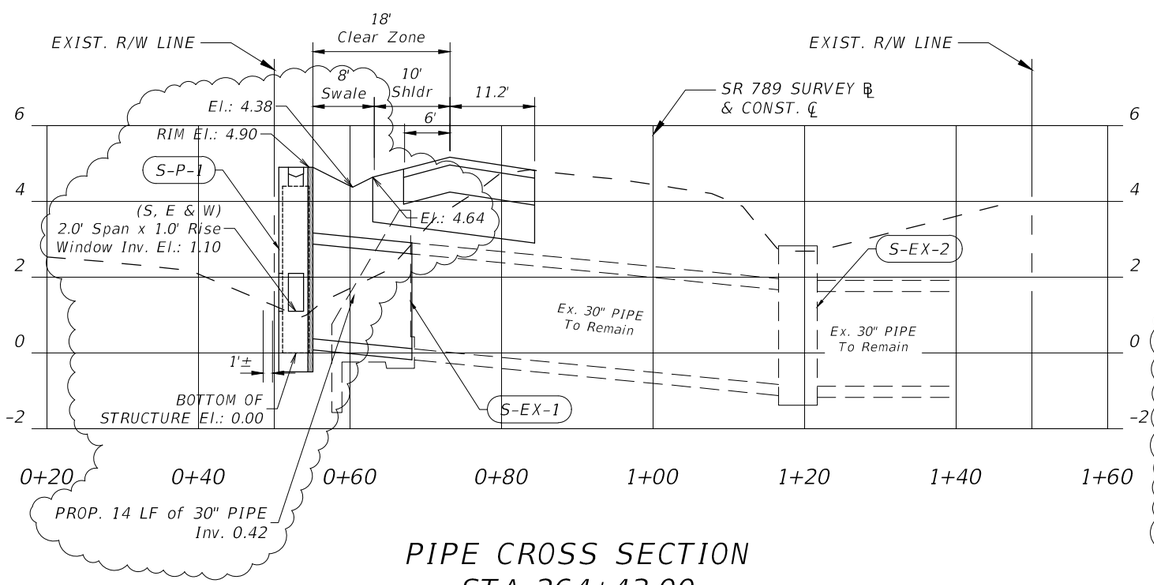
TOWN OF LONGBOAT KEY

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 789	SARASOTA	N/A

ROADWAY PLAN & PROFILE (9)
STA. 290+80 - STA. 297+00

SHEET NO. 17





PIPE CROSS SECTION
STA 264+43.00

SCALE:
1"=20' HORIZONTAL
1"=4' VERTICAL

S-EX-1
STA 264+50.14 (-32.69 Lt.)
Existing U-Type
Concrete Endwall,
To Be Removed and
Replaced With Concrete
Jacket, FDOT Index 430-001
FL 0.14 NE

S-EX-2
STA 264+41.39 (18.83 Rt.)
Existing Type 'C' Ditch Bottom Inlet,
To Remain
FL -0.88 SW
FL -0.88 NE

S-P-1
STA 264+52.44 (-46.48 Lt.)
CONST. 3.5'x3.5' Type "P", ALT "B" Bottom
Index No. 425-010 w/ Type "7" Manhole Top
and Lid Index No. 425-001
& (3) 2.0' (Span) x 1.0' (Rise) Windows (S, E
& W) Inv El.: 1.10
w/ (2) Concrete Traversable Slots Index No.
425-052 (Sheet 11 OF 14) (E & W) Windows
Only, See Detail on Sheet 18A
FL 0.42 NE

ROADWAY PLANS
ENGINEER OF RECORD: KREG E. MAHEU, P.E.
P.E. NO. 45766

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
04-23	Revised Left Swale Side Slope Between Sta: 259+00 to 269+00, Added Future Util. and Roadway Right-of-Way Lines	09-23	Revised Left Swale Side Slope Between Sta: 260+00 to 269+00, Reduced the 30" Pipe Length and Revised the Invert
		11-23	Revised Structure S-P-1 Type, Invert and Lable

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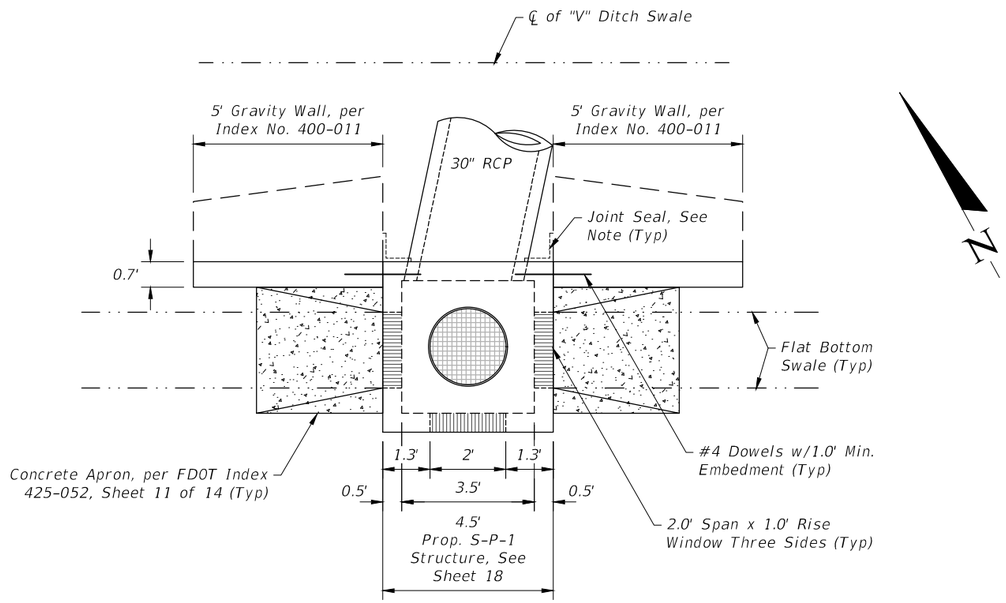
P.E. No. 45766
CA No: 3943

TOWN OF LONGBOAT KEY

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 789	SARASOTA	N/A

PIPE CULVERT EXTENSION DETAIL SHEET (1)

SHEET NO. 18

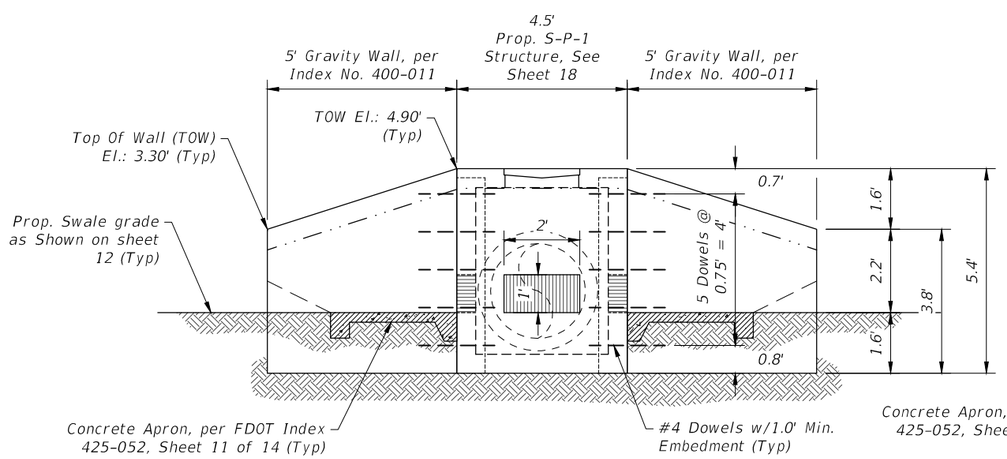


PLAN VIEW

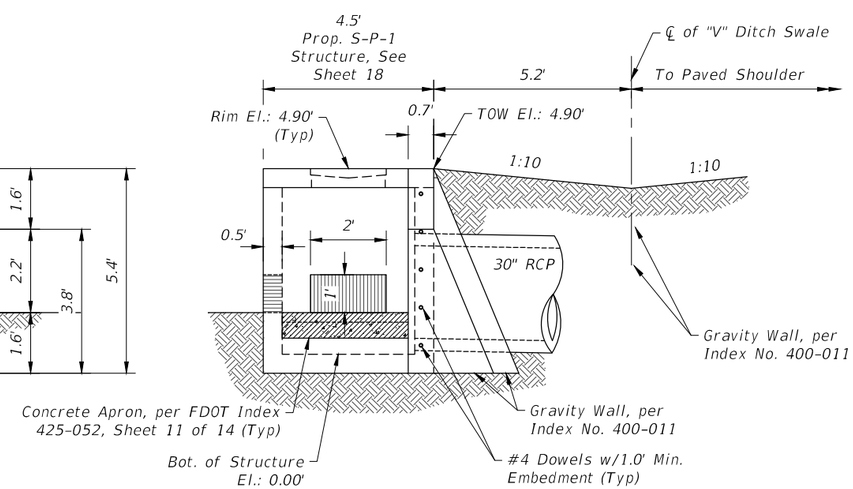
NOTE:
Joint Seal: Organic Felt bond breaker in accordance with FDOT Specification Section 400 or Type D-5 geotextile fabric in accordance with Specification Section 985. Mop all contact surfaces of concrete and Organic Felt or geotextile fabric with cut-back asphalt. stop Organic Felt or geotextile fabric 6" below top of wall.

Concrete for Wing wall shall be Class NS per Specification Section 347.

Reinforcing steel (not shown in Detail) shall meet the requirements of Specification Section 931 (Grade 40or 60). Smooth or Deformed Welded Wire Reinforcement (WWR) may be substituted on an equal area basis. Do not increase bar/wire spacing for Grade 60 reinforcing steel or WWR.



FRONT VIEW



SIDE VIEW

DRAINAGE STRUCTURE DETAIL

SCALE: 1"=4'

ROADWAY PLANS
ENGINEER OF RECORD: KREG E. MAHEU, P.E.
P.E. NO. 45766

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
11-23	Added Detail Sheet to Plan Set		

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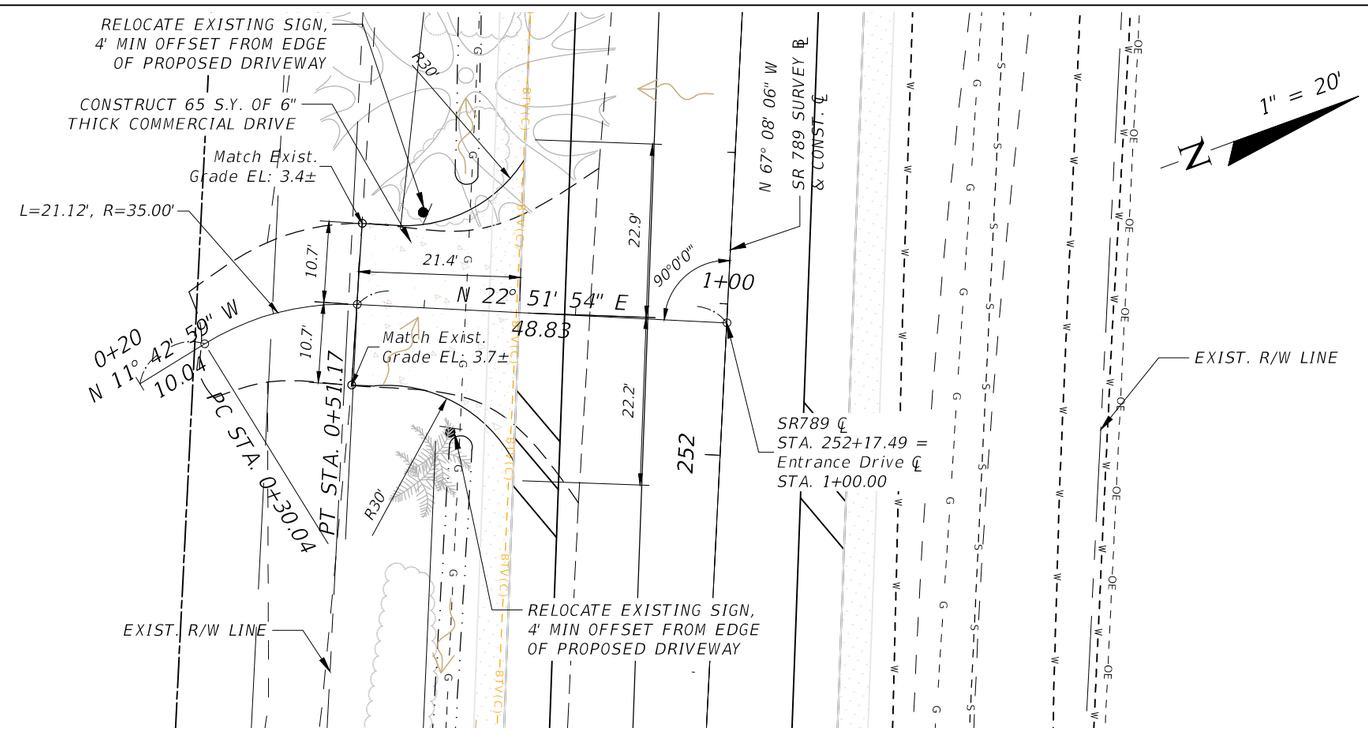
P.E. No. 45766
CA No: 3943

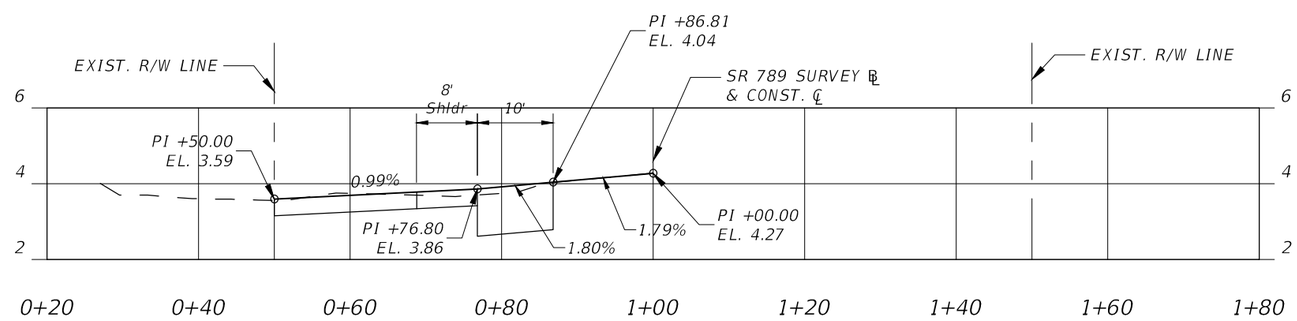
TOWN OF LONGBOAT KEY

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 789	SARASOTA	N/A

PIPE CULVERT EXTENSION DETAIL SHEET (2)

SHEET NO. 18A





GOLF COURSE MAINTENANCE
ENTRANCE DRIVE PROFILE
STA 252+17.49

SCALE:
1"=20' HORIZONTAL
1"=4' VERTICAL

ROADWAY PLANS
ENGINEER OF RECORD: KREG E. MAHEU, P.E.
P.E. NO. 45766

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DMK ASSOCIATES, INC.
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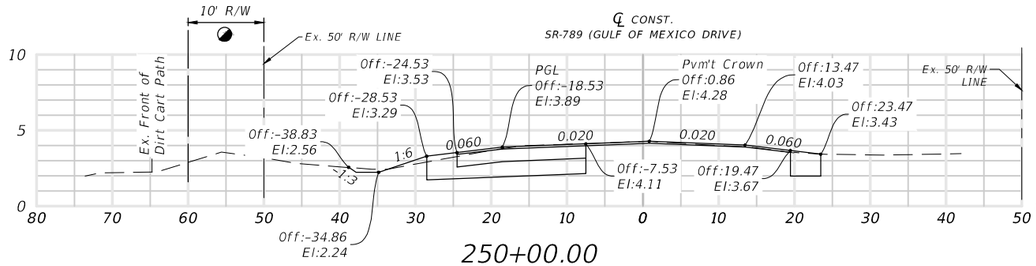
P.E. No. 45766
CA No: 3943

TOWN OF LONGBOAT KEY

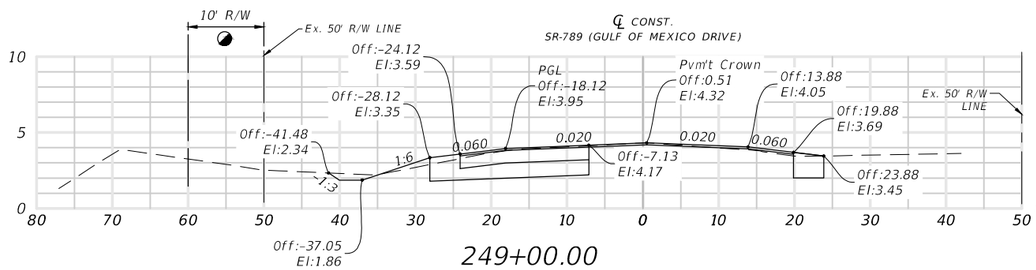
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 789	SARASOTA	N/A

GOLF COURSE MAINTENANCE
DRIVEWAY DETAIL SHEET

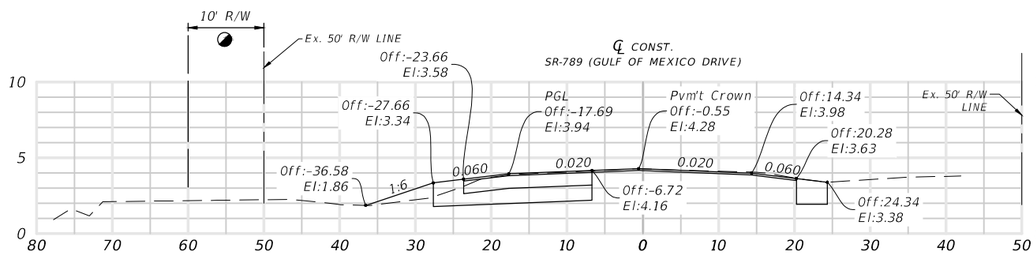
SHEET NO.
19



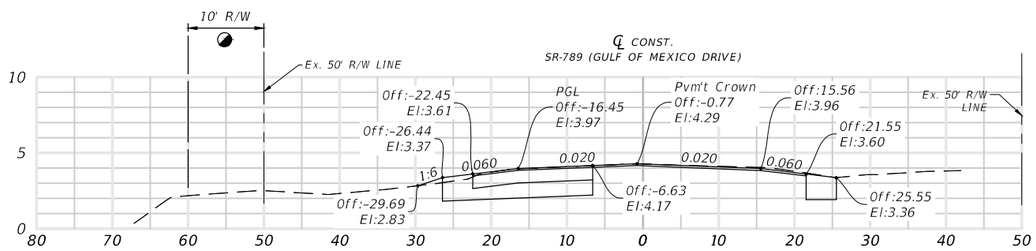
250+00.00



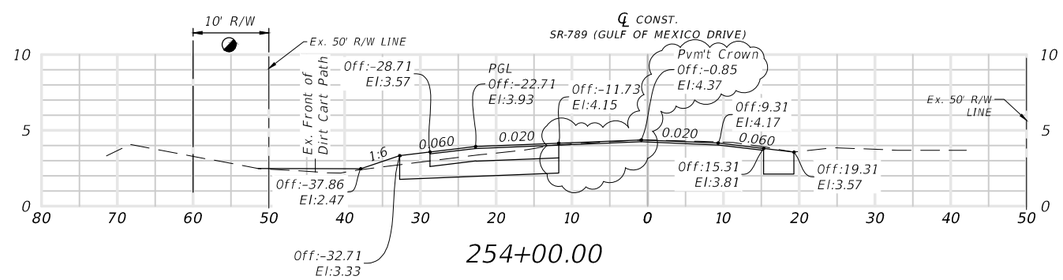
249+00.00



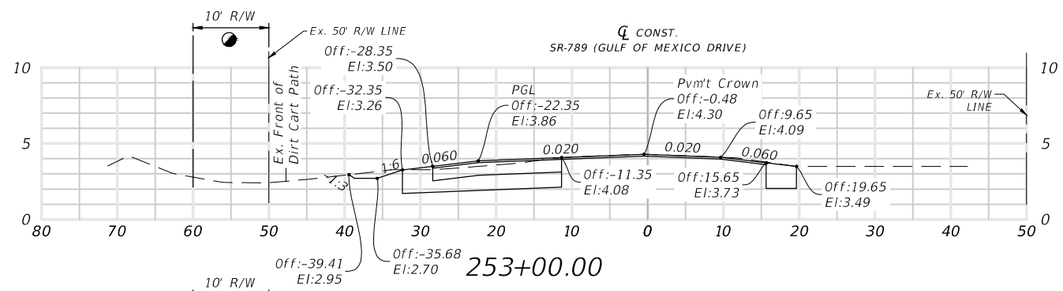
248+00.00



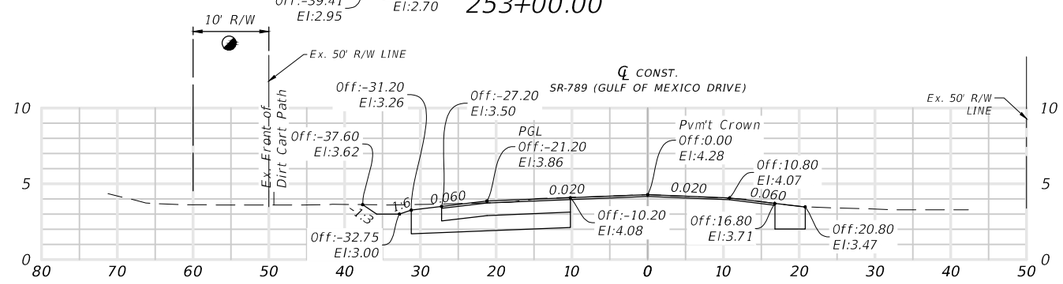
247+77.43



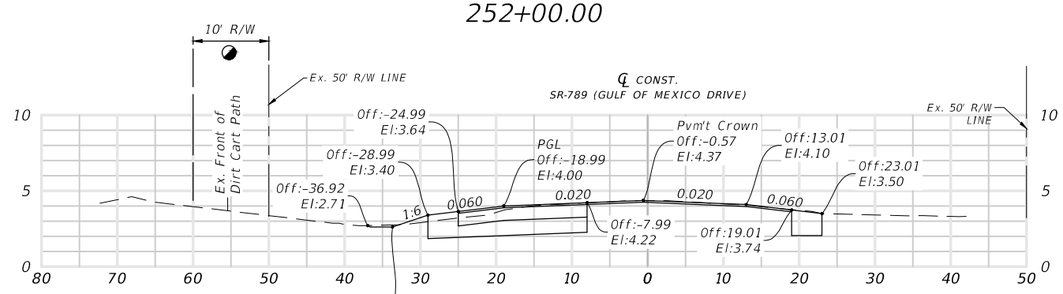
254+00.00



253+00.00



252+00.00



251+00.00

◕ = Reserved for Future Right-of-Way (R/W)

Scale: 1" = 20' Horiz.
1" =10' Vert.

ROADWAY PLANS
ENGINEER OF RECORD: KREG E. MAHEU, P.E.
P.E. NO. 45766

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
03-25	Removed Median Curb @ Sta: 254+00 (Median Mod.)		

DMK ASSOCIATES, INC.
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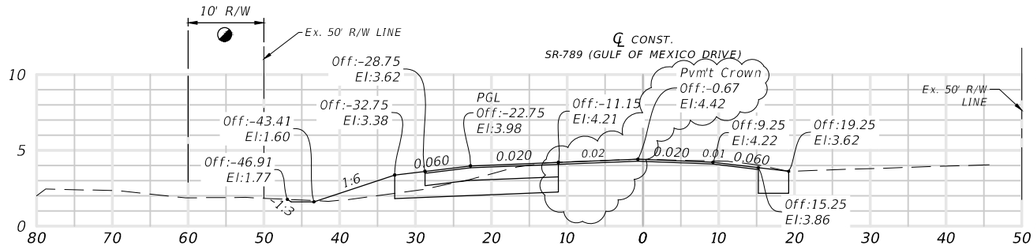
P.E. No. 45766
CA No: 3943

TOWN OF LONGBOAT KEY

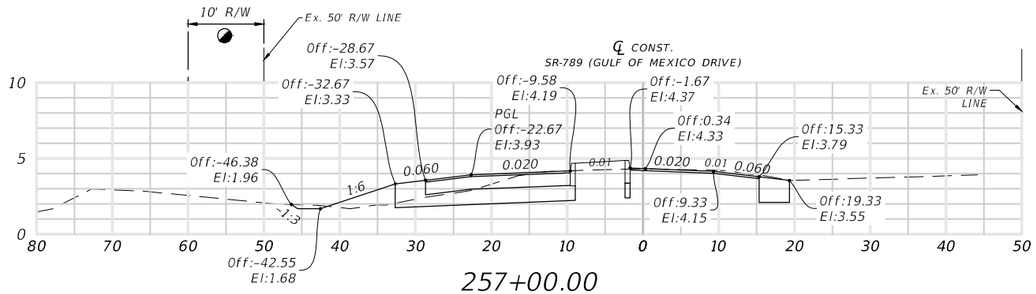
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 789	SARASOTA	N/A

CROSS SECTIONS (1)

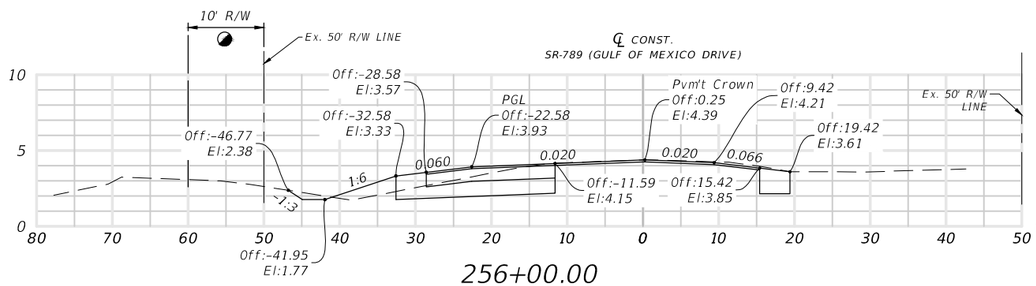
SHEET NO. 20



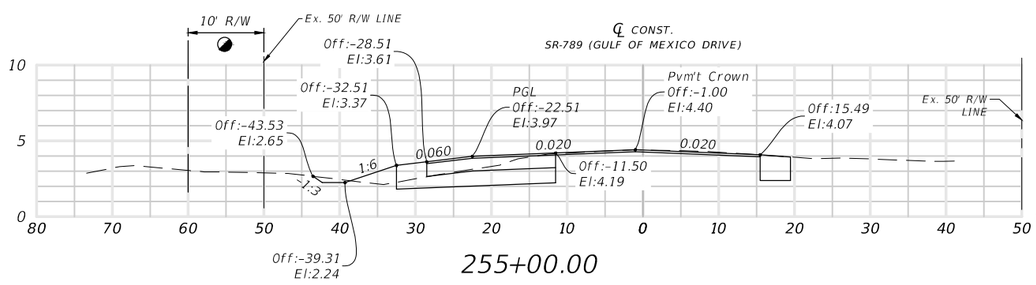
258+00.00



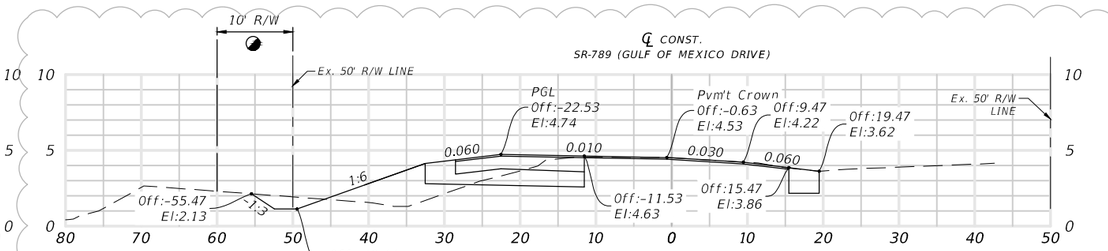
257+00.00



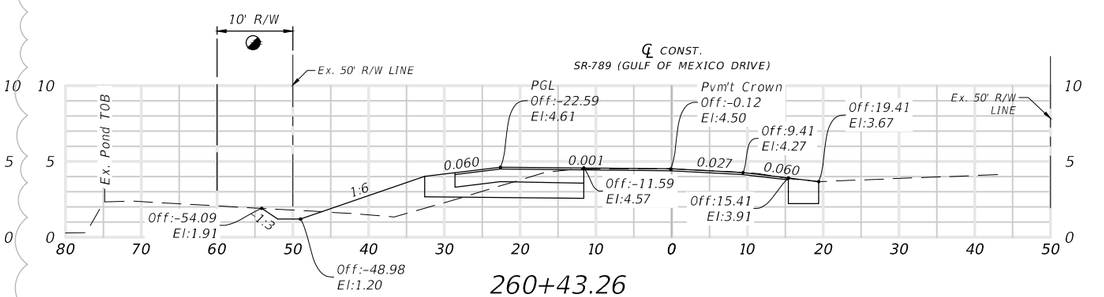
256+00.00



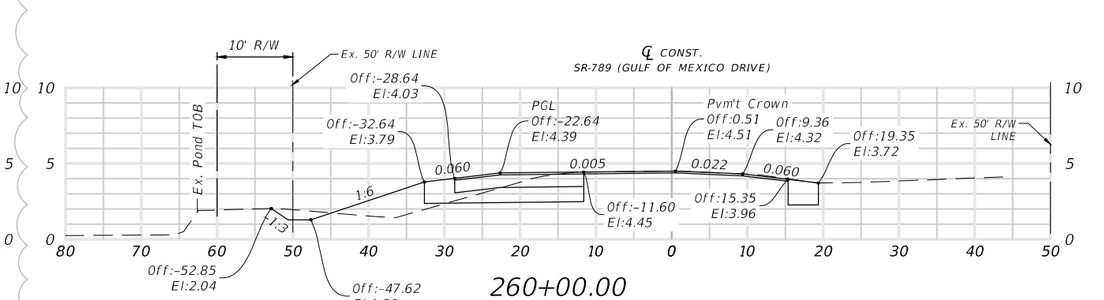
255+00.00



260+70.89



260+43.26



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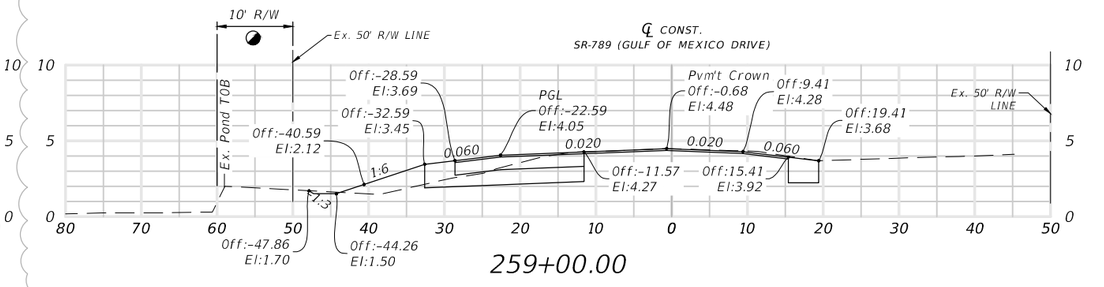

259+00.00

◔ = Reserved for Future Right-of-Way (R/W)

Scale: 1" = 20' Horiz.
1" =10' Vert.

ROADWAY PLANS
ENGINEER OF RECORD: KREG E. MAHEU, P.E.
P.E. NO. 45766

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
04-23	Revised Left Swale Side Slope Between Sta: 259+00 to 269+00		
03-25	Removed Median Curb @ Sta: 258+00 (Median Mod.)		

DMK ASSOCIATES, INC.
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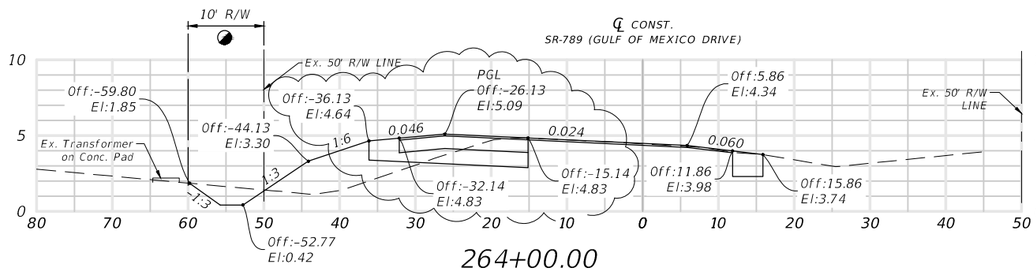
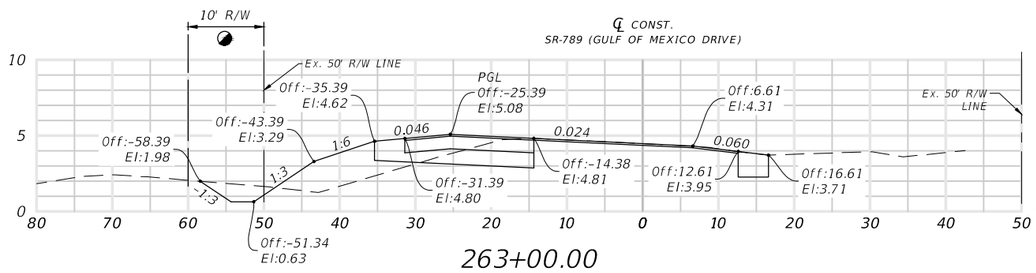
P.E. No. 45766
CA No: 3943

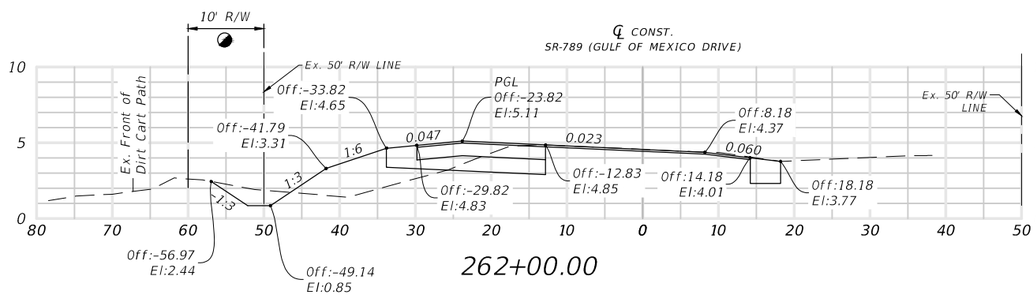
TOWN OF LONGBOAT KEY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 789	SARASOTA	N/A

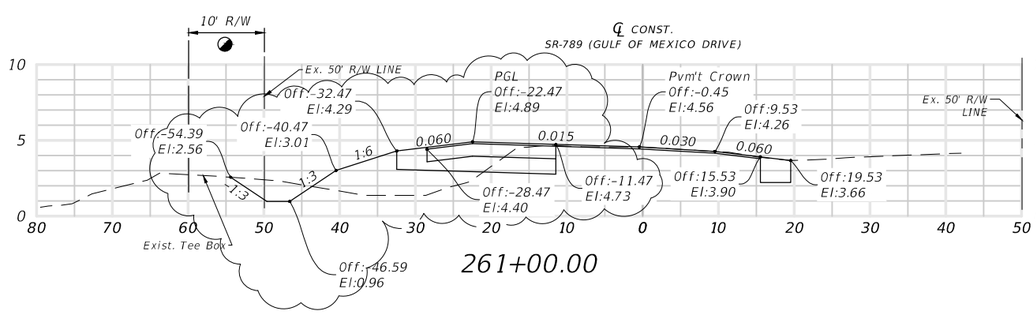
CROSS SECTIONS (2)

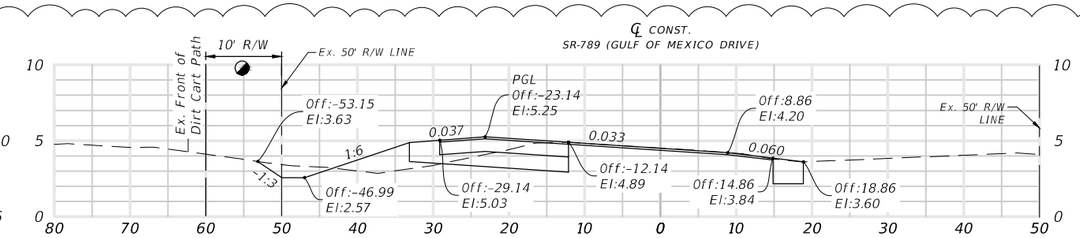
SHEET NO. 21

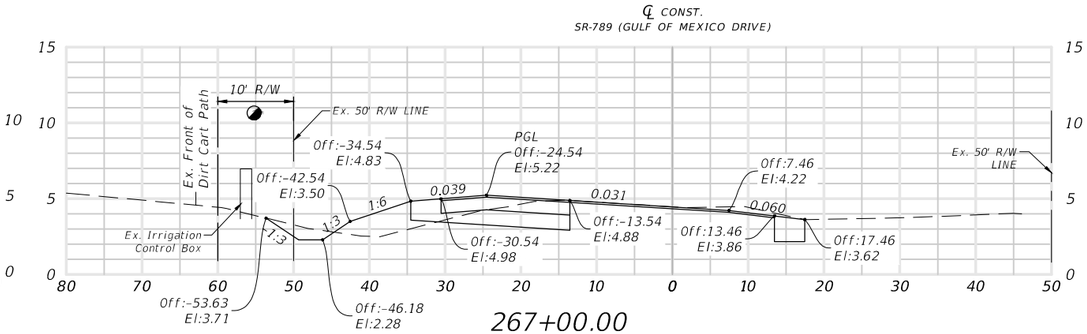


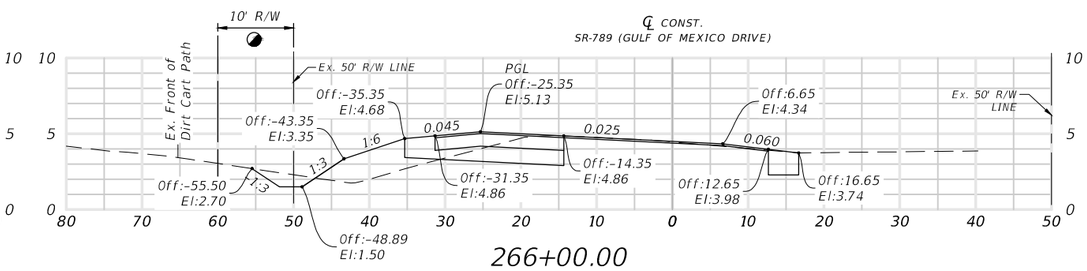


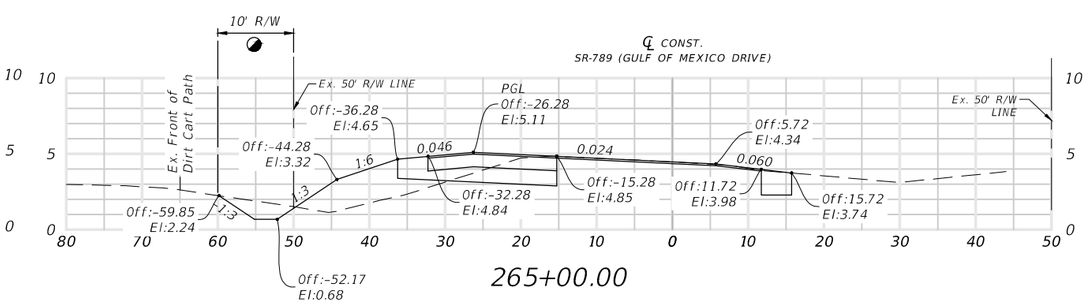












◕ = Reserved for Future Right-of-Way (R/W)

Scale: 1" = 20' Horiz.
1" =10' Vert.

ROADWAY PLANS
ENGINEER OF RECORD: KREG E. MAHEU, P.E.
P.E. NO. 45766

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
01-23	Revised the Lt. PGL & Swale Grades per FDOT Comments, Dated 12-14-2022		
04-23	Revised Left Swale Side Slope Between Sta: 259+00 to 269+00		

DMK ASSOCIATES, INC.
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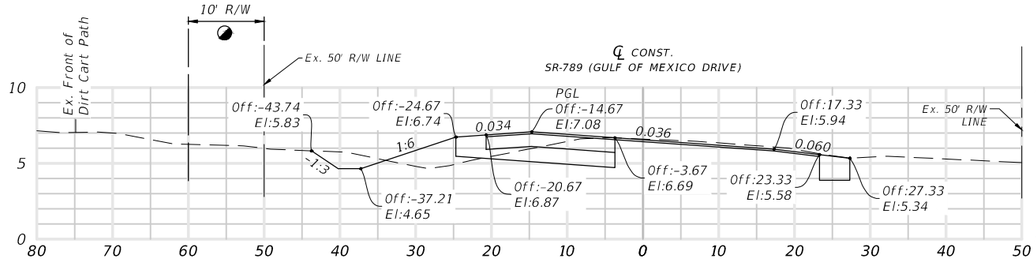
P.E. No. 45766
CA No: 3943

TOWN OF LONGBOAT KEY

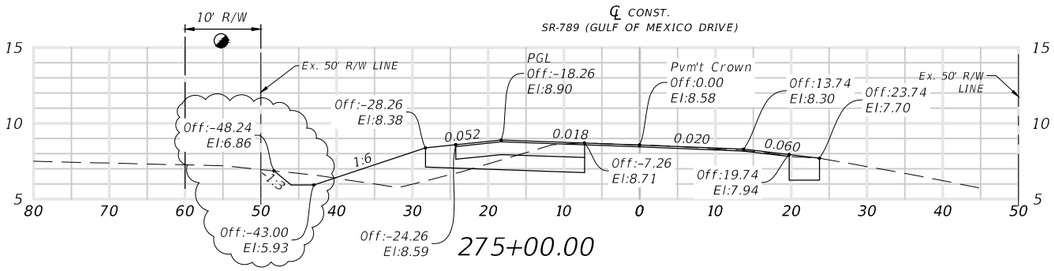
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 789	SARASOTA	N/A

CROSS SECTIONS (3)

SHEET NO. 22



272+00.00



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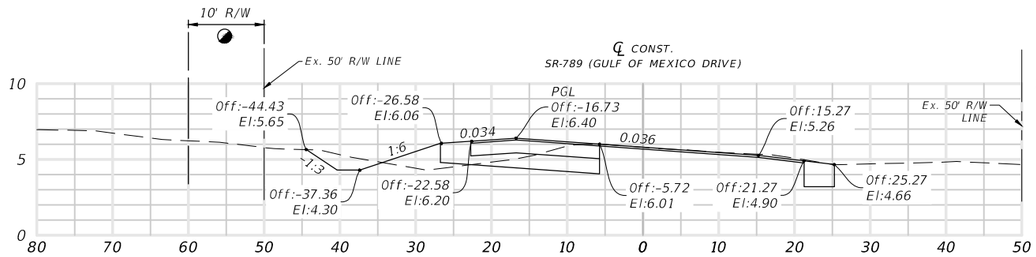
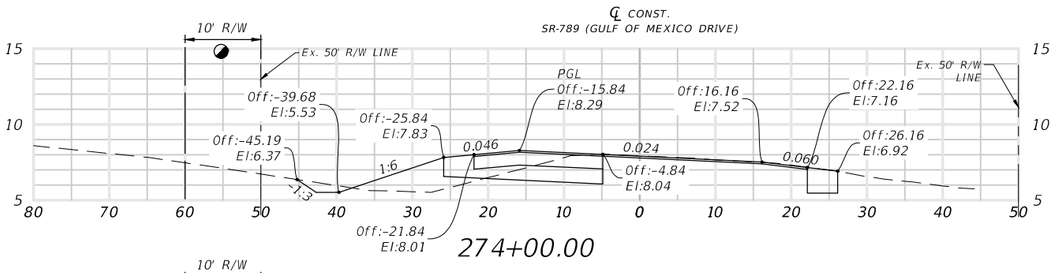


271+00.00



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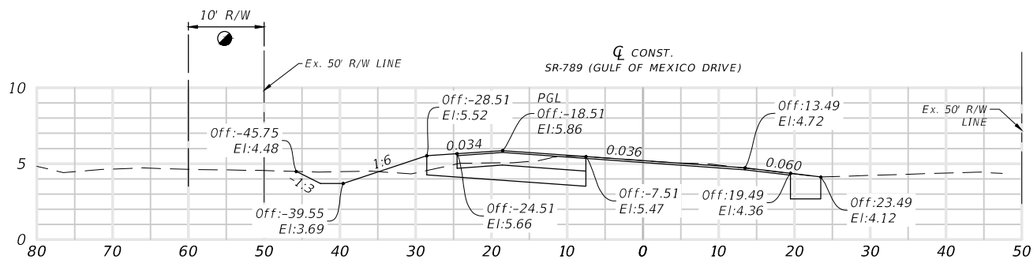
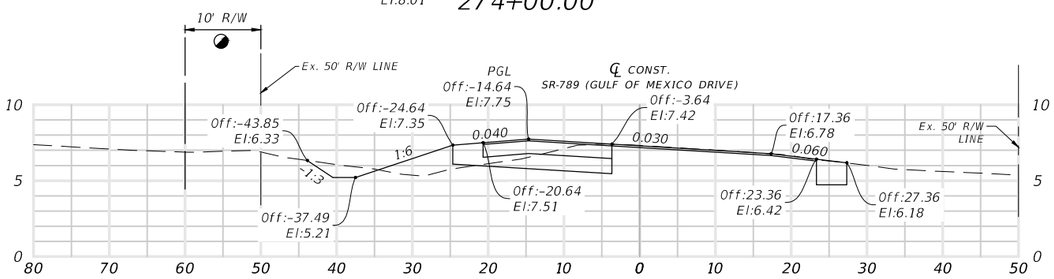


270+00.00



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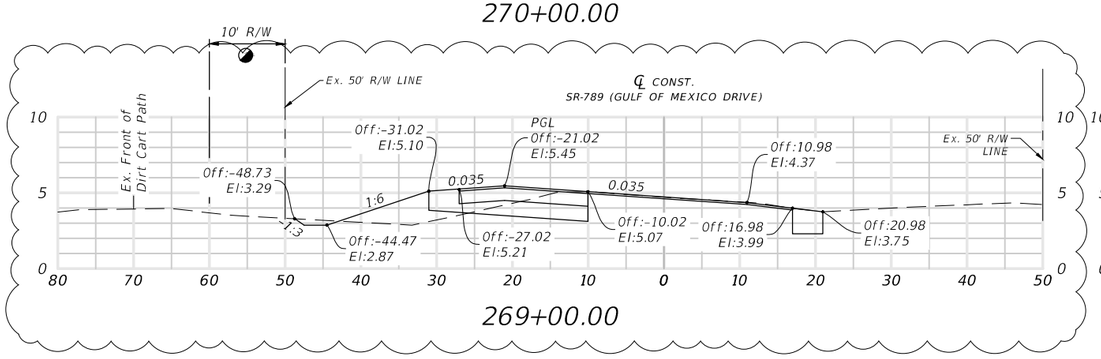

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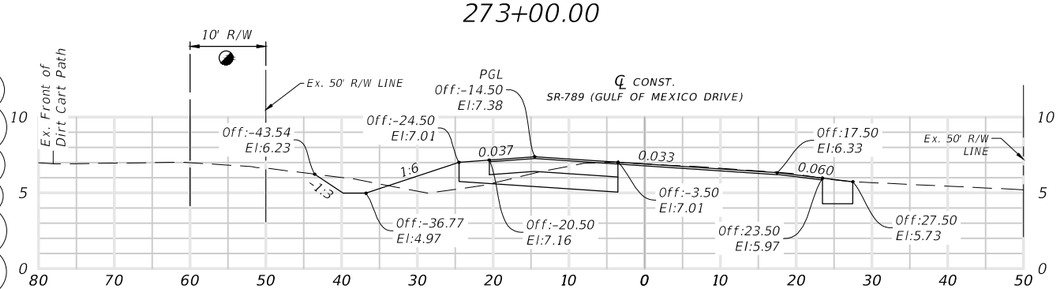

272+43.26

◕ = Reserved for Future Right-of-Way (R/W)

Scale: 1" = 20' Horiz.
1" =10' Vert.

ROADWAY PLANS
ENGINEER OF RECORD: KREG E. MAHEU, P.E.
P.E. NO. 45766

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
01-23	Revised the Lt. PGL & Swale Grades per FDOT Comments, Dated 12-14-2022		
04-23	Revised Left Swale Side Slope Between Sta: 259+00 to 269+00		

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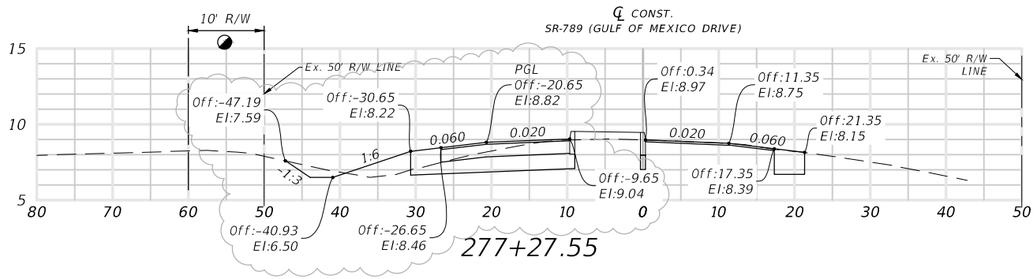
CA No: 3943

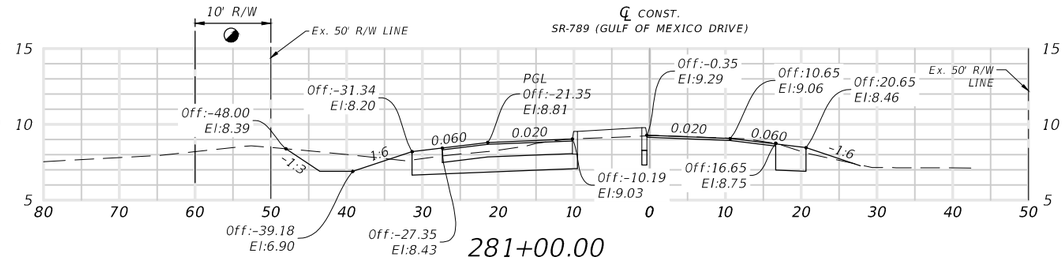
TOWN OF LONGBOAT KEY

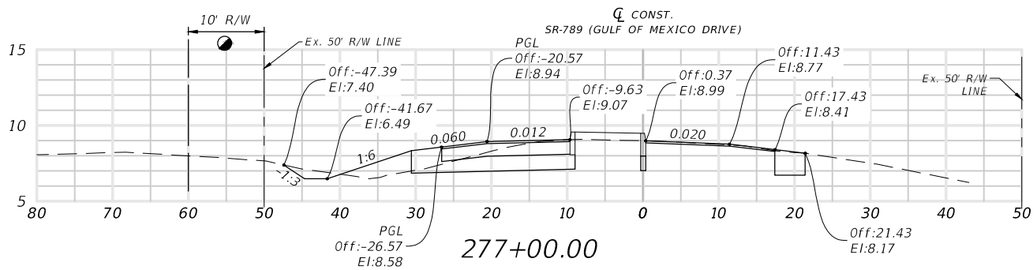
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 789	SARASOTA	N/A

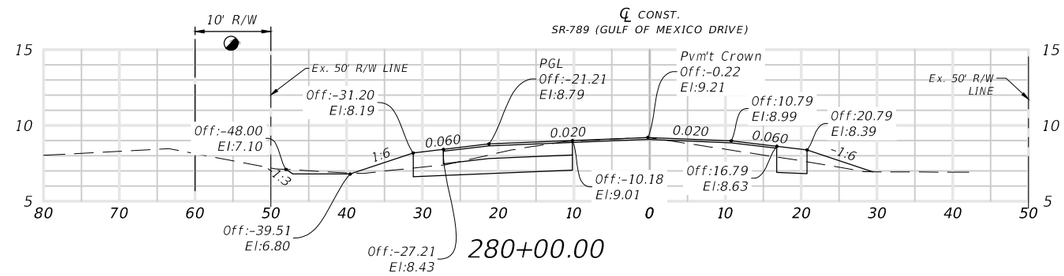
CROSS SECTIONS (4)

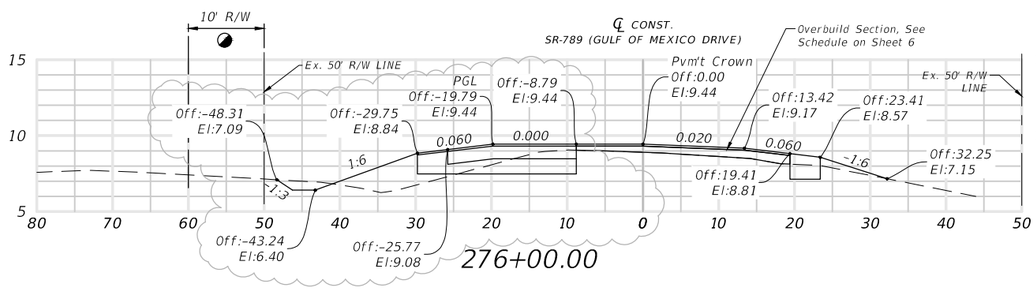
SHEET NO. 23

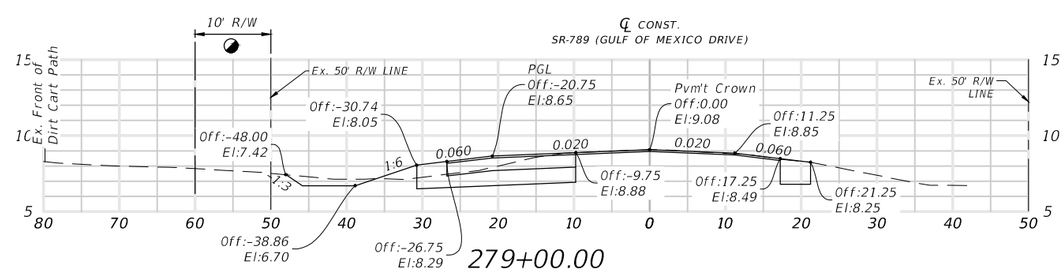


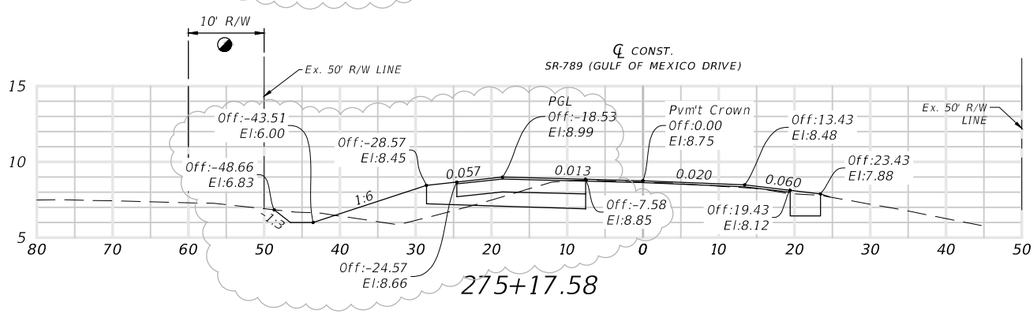


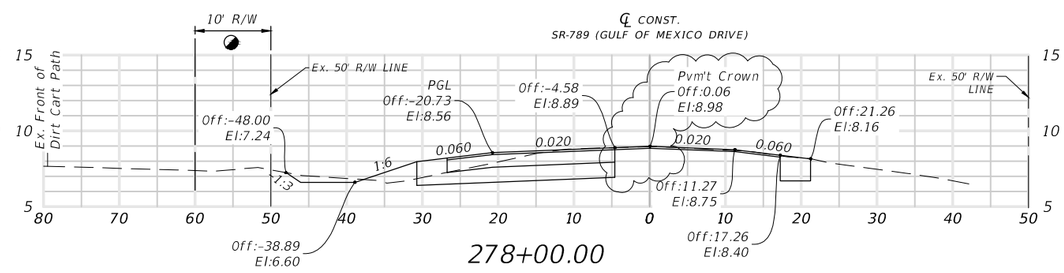












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Scale: 1" = 20' Horiz.
1" =10' Vert.

ROADWAY PLANS
ENGINEER OF RECORD: KREG E. MAHEU, P.E.
P.E. NO. 45766

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
01-23	Revised the Lt. PGL & Swale Grades per FDOT Comments, Dated 12-14-2022		
03-25	Removed Median Curb @ Sta: 278+00 (Median Mod.)		

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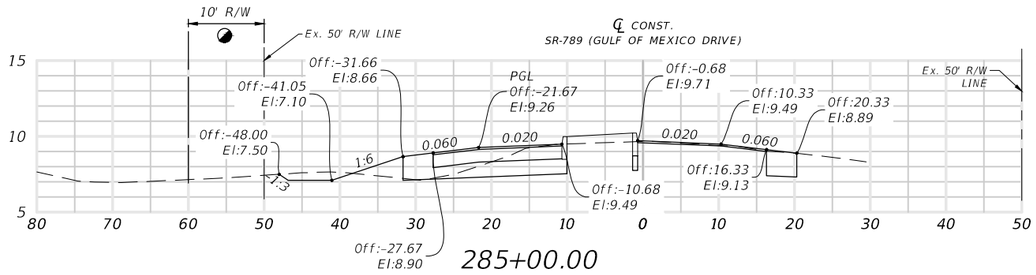
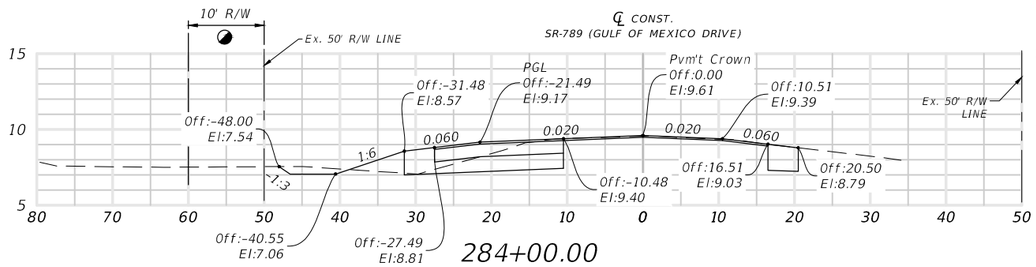
TOWN OF LONGBOAT KEY

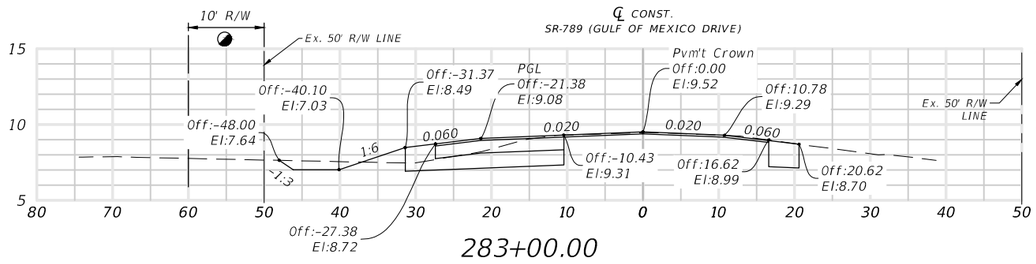
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 789	SARASOTA	N/A

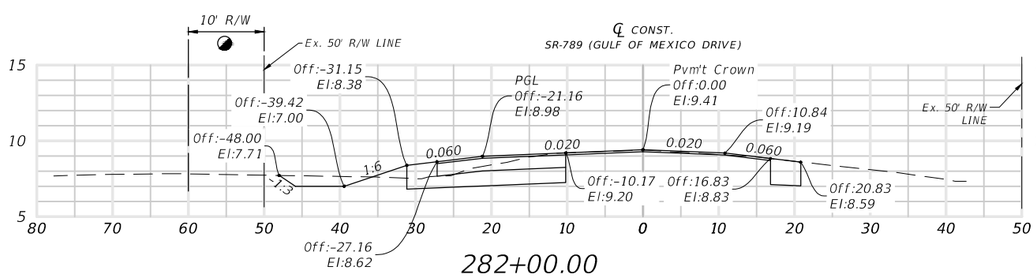
CROSS SECTIONS (5)

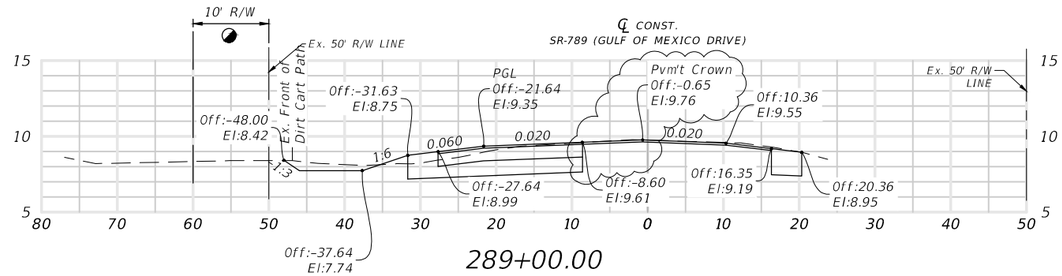
SHEET NO. 24

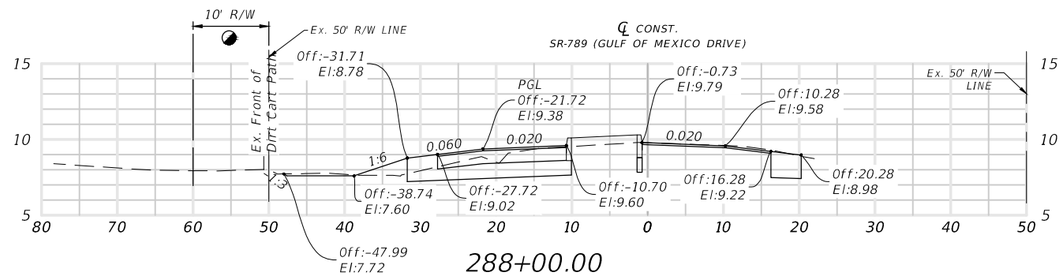


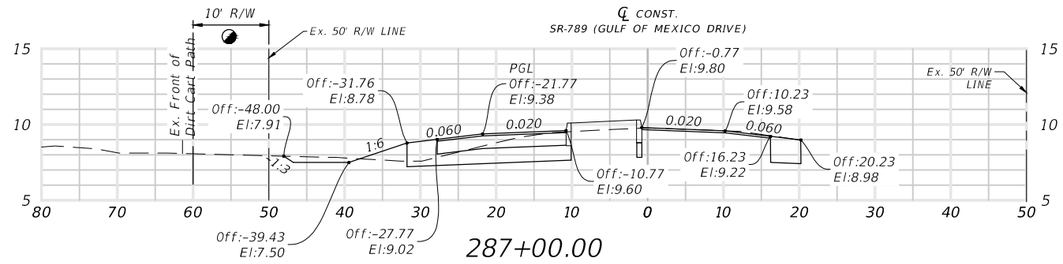


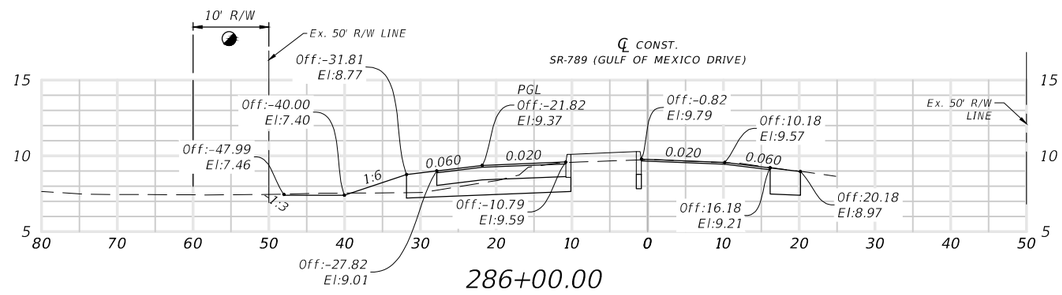












◕ = Reserved for Future Right-of-Way (R/W)

Scale: 1" = 20' Horiz.
1" =10' Vert.

ROADWAY PLANS
ENGINEER OF RECORD: KREG E. MAHEU, P.E.
P.E. NO. 45766

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
03-25	Removed Median Curb @ Sta: 289+00 (Median Mod.)		

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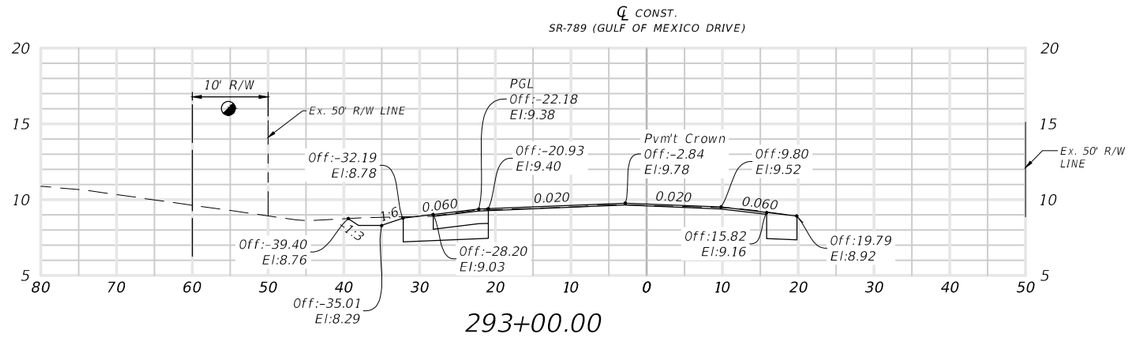
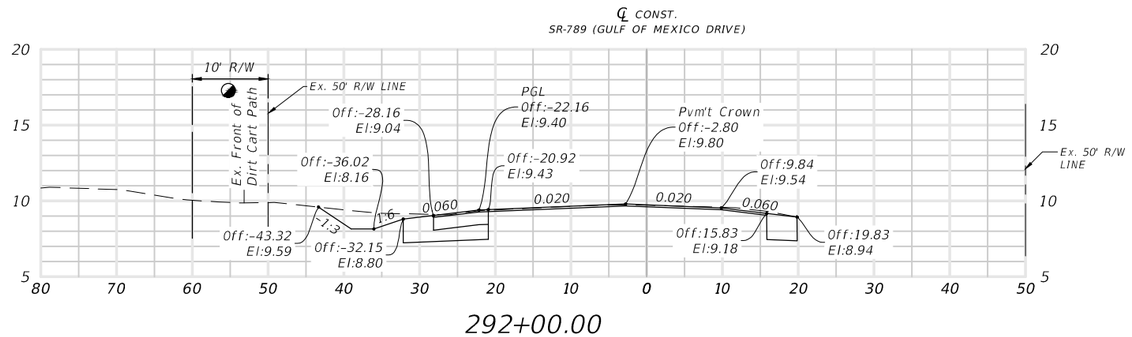
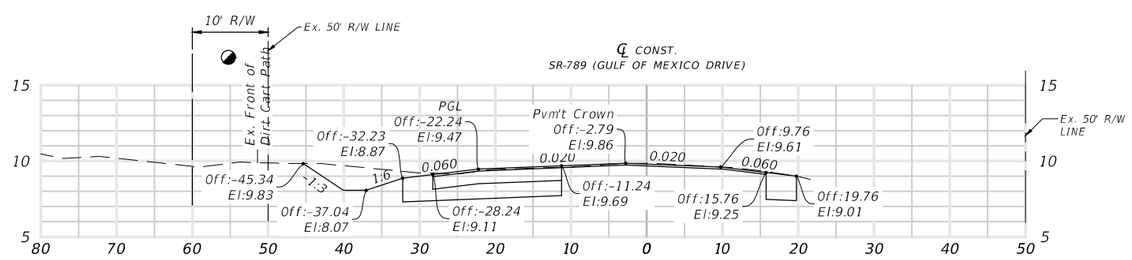
TOWN OF LONGBOAT KEY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 789	SARASOTA	N/A

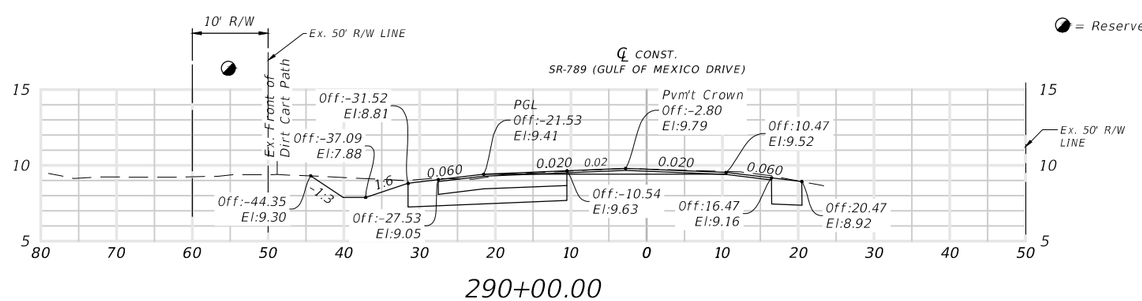
CROSS SECTIONS (6)

SHEET NO. 25









◕ = Reserved for Future Right-of-Way (R/W)

ROADWAY PLANS
ENGINEER OF RECORD: KREG E. MAHEU, P.E.
P.E. NO. 45766

Scale: 1" = 20' Horiz.
1" =10' Vert.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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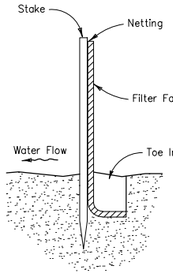
KREG E. MAHEU, P.E.
P.E. No. 45766
CA No: 3943
DMK ASSOCIATES ENGINEERS ■ SURVEYORS

TOWN OF LONGBOAT KEY

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 789	SARASOTA	N/A

CROSS SECTIONS (7)

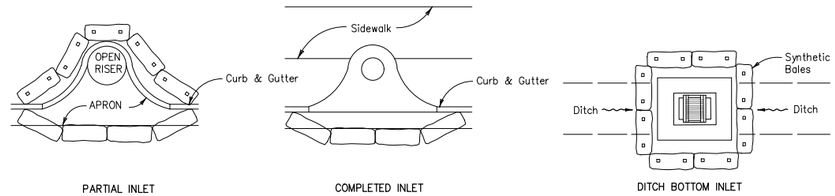
SHEET NO. 26



SILT–LOK 36–100 GA.: Thirty Six Inches High by One Hundred Feet In Length Ea. Seventeen Hardwood Stakes (1½" x 1½" x 48") Six Foot Inrtevals per 100 Ft. Length

- Lay the Bottom 6" of Fabric in the Trench & Fill with Soil for Proper Toe In
- Draw Tension Cord at Top of Fence & Tie to End Stake.

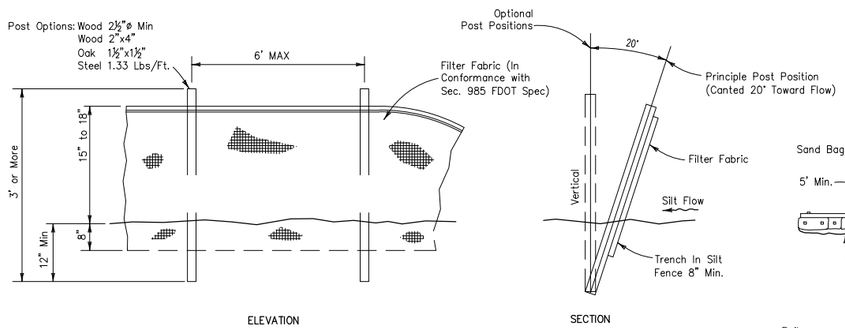
SILT BARRIER WETLAND PROTECTION



Anchor Bales With (2) 2" x 2" x 4' Stakes Per Bale.

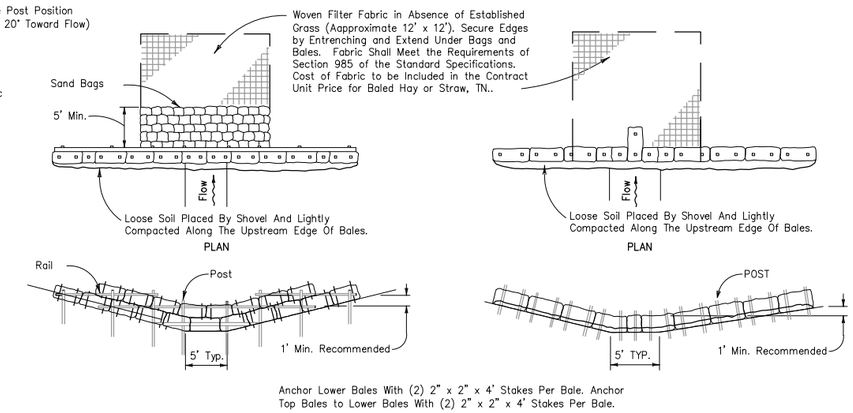
PROTECTION AROUND INLETS OR SIMILAR STRUCTURES

DAILY INSPECTION OF ALL EROSION AND TURBIDITY CONTROL DEVICES SHALL BE CONDUCTED AND ANY DEFICIENCIES SHALL BE REPAIRED IMMEDIATELY.



Silt Fence to be paid for under the contract unit price for Staked Silt Fence (LF).

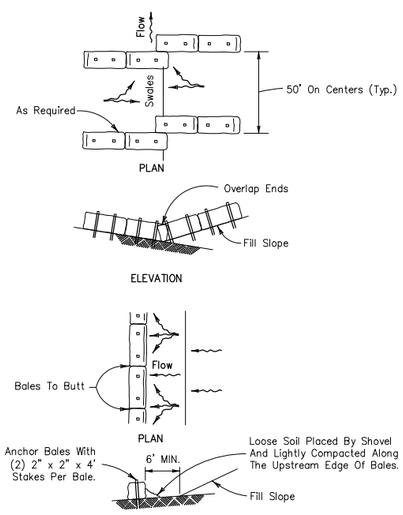
TYPE III SILT FENCE



Application and Spacing:
The use of Types I & II synthetic bale barriers should be limited to the conditions outlined in chart I, sheet 1 of 3, Index No. 102

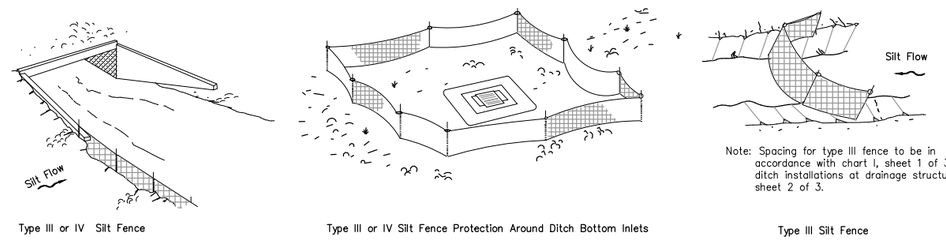
TYPE II TYPE I

SYNTHETIC BALE BARRIER FOR UNPAVED DITCHES



To Be Used At Selected Sites Where The Natural Ground Slopes Away From The Toe Of Slope

SYNTHETIC BALE BARRIERS FOR FILL SLOPES



Type III or IV Silt Fence

Type III or IV Silt Fence Protection Around Ditch Bottom Inlets

Note: Spacing for type III fence to be in accordance with chart I, sheet 1 of 3 and ditch installations at drainage structures sheet 2 of 3.

Type III Silt Fence

Do not deploy in a manner that silt fences will act as a dam across permanent flowing watercourses. Silt fences are to be used at upland locations and turbidity barriers used at permanent bodies of water.

SILT FENCE APPLICATIONS

EROSION CONTROL NOTES

1. THE CONTRACTOR SHALL INSTALL SILT FENCE, STAKED SYNTHETIC BALES, AND FLOATING TURBIDITY SCREENS AS SHOWN ON THE DRAWINGS PRIOR TO BEGINNING CONSTRUCTION. THESE INSTALLATIONS AS SHOWN ON THE DRAWINGS SHALL BE CONSIDERED THE MINIMUM EROSION/SILTATION PROTECTION REQUIRED FOR THE SITE. IN ADDITION THE ENGINEER, OWNER OR OWNERS REPRESENTATIVE MAY DEEM IT NECESSARY TO INSTALL FACILITIES ELSEWHERE ON THE SITE
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE EROSION PROTECTION FACILITIES THROUGH COMPLETION OF CONSTRUCTION. THE CONTRACTOR SHALL PERFORM DAILY INSPECTIONS OF THE FACILITIES TO ENSURE THAT THE EROSION PROTECTION FACILITIES ARE MAINTAINING THEIR PROTECTION FUNCTIONS AND INTEGRITY.
3. IN ADDITION TO THE INSTALLATION OF EROSION PROTECTION FACILITIES, THE ENGINEER, OWNER OR OWNERS REPRESENTATIVE MAY DEEM IT NECESSARY, UPON INSPECTION OF THE SITE, THAT TURBIDITY MONITORING BE PERFORMED BY THE CONTRACTOR. THE MONITORING SHALL BE PERFORMED DAILY IF BACKGROUND TURBIDITY LEVELS REACH 25-29 NTU'S. FOR BACKGROUND TURBIDITY LEVELS LESS THAN 25 NTU'S, TURBIDITY MONITORING SHALL BE PERFORMED WEEKLY. IF THE BACKGROUND TURBIDITY LEVELS ARE GREATER THAN 29 NTU'S, ALL CONSTRUCTION ACTIVITIES SHALL STOP AND THE CONTRACTOR SHALL PROVIDE ADDITIONAL EROSION PROTECTION NECESSARY TO RETURN LEVELS TO 29 NTU'S OR LESS. CONSTRUCTION ACTIVITIES SHALL BEGIN AGAIN ONLY UPON APPROVAL BY THE ENGINEER, OWNER, OR OWNERS REPRESENTATIVE.
4. ALL EROSION PROTECTION FACILITIES SHALL BE REMOVED AFTER CONSTRUCTION COMPLETION, AND WHEN A VEGETATIVE COVER HAS BEEN WELL ESTABLISHED OVER THE CONSTRUCTION AREAS, PER THE PLANS. THE CONTRACTOR SHALL REMOVE PROTECTION FACILITIES ONLY UPON APPROVAL BY THE ENGINEER, OWNER OR OWNERS REPRESENTATIVE.
5. THE CONTRACTOR SHALL PROVIDE, PLACE AND MAINTAIN SYNTHETIC BALE BARRIERS AROUND ALL OPEN STORM INLETS AND JUNCTION BOXES DURING CONSTRUCTION. SYNTHETIC BALES SHALL BE PROPERLY ANCHORED INTO THE GROUND WITH REBARS OR ANY OTHER APPROVED METHODS.
6. AS AN ALTERNATIVE, THE CONTRACTOR MAY USE A RETAINING FABRIC AND SANDBAGS TO PREVENT SEDIMENT FROM ENTERING OPENINGS IN STORM INLETS AND JUNCTION BOXES DURING CONSTRUCTION.
7. SPECIAL EFFORT SHALL BE MADE BY THE CONTRACTOR SO THAT RUNOFF FROM THE SITE DURING CONSTRUCTION IS DIRECTED TOWARDS THE SILT BARRIER(S).
8. SILT BARRIERS SHALL BE USED WHENEVER CONSTRUCTION TAKES PLACE UPSTREAM OF A WETLAND PRESERVE AREA OR IN APPLICABLE DREDGE AND FILL OPERATIONS.
9. PROVIDE SILT FENCE CONTINUOUSLY AROUND PERIMETER OF CONSTRUCTION SITE.
10. THE CONTRACTOR SHALL PROVIDE ADEQUATE STORAGE FACILITIES OR SHELTERS FOR CONSTRUCTION MATERIALS AND CHEMICALS. ALL STORAGE FACILITIES SHALL BE PLANNED AS FAR AWAY FROM NATURAL DRAINAGE FEATURES AS POSSIBLE. INCLUDING CONSERVATION AND PRESERVATION AREAS AS DESIGNATED ON THE PLANS
11. THE CONTRACTOR SHALL DESIGNATE SPECIFIC ROUTES TO HANDLE CONSTRUCTION TRAFFIC AND EQUIPMENT IN ORDER TO MINIMIZE DISTURBED AREAS. A DUST CONTROL PROGRAM INCLUDING USE OF CHLORIDE MAY BE WARRANTED AS DETERMINED BY THE FIELD ENGINEER.
12. REMOVED SOIL SHOULD BE STOCKPILED, PROTECTED AND REDISTRIBUTED OVER DISTURBED AREAS. EXCAVATED MATERIALS SHOULD BE PLACED IN DESIGNATED AREAS PLANNED SUFFICIENT DISTANCE AWAY FROM DRAINAGE FEATURES AND FACILITIES SO AS TO REDUCE THE POTENTIAL FOR EROSION AND SEDIMENT POLLUTION.
13. THE CONTRACTOR SHALL MINIMIZE THE SIZE OF EXPOSED OR DISTURBED AREAS AND LIMIT THEIR DURATION OF EXPOSURE. IN ORDER TO LIMIT EXPOSED AREAS THE CONTRACTOR SHOULD SCHEDULE OPERATIONS SO THE LAND EXPOSURE IS NOT SUBJECT TO PERIODS OF HIGH EROSIVE RAINFALL.
14. ALL LITTER AND DEBRIS SHALL BE SELF CONTAINED ON THE SITE AND PLANNED AS FAR AWAY FROM NATURAL DRAINAGE FEATURES AS POSSIBLE.
15. TO PREVENT BIOLOGICAL POLLUTANT, THE CONTRACTOR SHALL PROVIDE PROPER SANITARY FACILITIES AND CONDITIONS ON THE SITE.
16. THE DETAILS DEPICTED HERON ARE INTENDED AS TEMPORARY MEASURES FOR SEDIMENT CONTROL AND ARE TO REMAIN IN PLACE UNTIL THE ENGINEER DIRECTS REMOVAL.
17. ALL OF THE ABOVE SPECIFICATIONS AND NOTES ARE SUBJECT TO THE APPROVAL OF THE FIELD ENGINEER OR ANY OF HIS REPRESENTATIVES, OR REPRESENTATIVES OF REGULATORY AND JURISDICTIONAL AGENCIES.
18. AN EROSION CONTROL PLAN SHALL BE PREPARED BY THE CONTRACTOR. EROSION CONTROL ITEMS ARE ESTIMATED FOR PREVENTION, CONTROL, ABATEMENT OF EROSION, SEDIMENTATION, AND WATER POLLUTION. THESE ITEMS ARE TO BE USED AT THE LOCATIONS DESCRIBED IN THE CONTRACTOR'S APPROVED EROSION CONTROL PLAN OR AS DIRECTED BY THE TOWN ENGINEER TO COMPLY WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

ROADWAY PLANS
ENGINEER OF RECORD: KREG E. MAHEU, P.E.
P.E. NO. 45766

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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P.E. No. 45766
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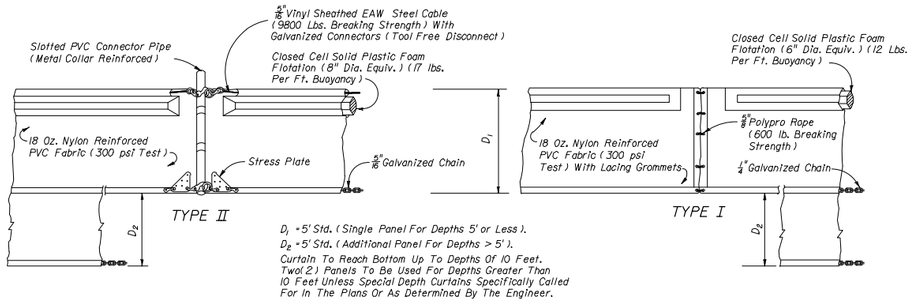
TOWN OF LONGBOAT KEY

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 789	SARASOTA	N/A

SEDIMENT & EROSION CONTROL DETAILS & GENERAL NOTES

SHEET NO. 27



NOTICE: COMPONENTS OF TYPES I AND II MAY BE SIMILAR OR IDENTICAL TO PROPRIETARY DESIGNS. ANY INFRINGEMENT ON THE PROPRIETARY RIGHTS OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE USER. SUBSTITUTIONS FOR TYPES I AND II SHALL BE AS APPROVED BY THE ENGINEER.

FLOATING TURBIDITY BARRIERS

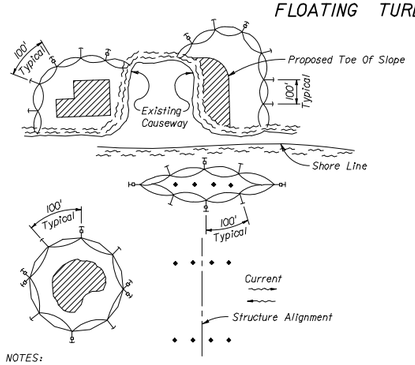
DAILY INSPECTION OF ALL EROSION AND TURBIDITY CONTROL DEVICES SHALL BE CONDUCTED AND ANY DEFICIENCIES SHALL BE REPAIRED IMMEDIATELY.

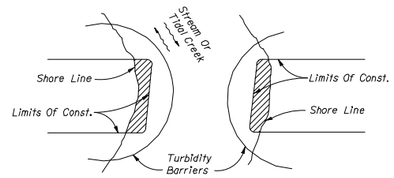
GENERAL NOTES

1. Floating turbidity barriers are to be paid for under the contract unit price for Floating Turbidity Barrier, LF.
2. Staked turbidity barriers are to be paid for under the contract unit price for Staked Turbidity Barrier, LF.

LEGEND

- Pile Locations
- Dredge Or Fill Area
- Mooring Buoy w/Anchor
- Anchor
- Barrier Movement Due To Current Action





Note:
Turbidity barriers for flowing streams and tidal creeks may be either floating, or staked types or any combinations of types that will suit site conditions and meet erosion control and water quality requirements. The barrier type(s) will be at the Contractors option unless otherwise specified in the plans, however payment will be under the pay item(s) established in the plans for Floating Turbidity Barrier and/or Staked Turbidity Barrier. Posts in staked turbidity barriers to be installed in vertical position unless otherwise directed by the Engineer.

NOTES:

1. Turbidity barriers are to be used in all permanent bodies of water regardless of water depth.
2. Number and spacing of anchors dependent on current velocities.
3. Deployment of barrier around pile locations may vary to accommodate construction operations.
4. Navigation may require segmenting barrier during construction operations.
5. For additional information see Section 104 of the Standard Specifications.

TURBIDITY BARRIER APPLICATIONS

ROADWAY PLANS
ENGINEER OF RECORD: KREG E. MAHEU, P.E.
P.E. NO. 45766

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

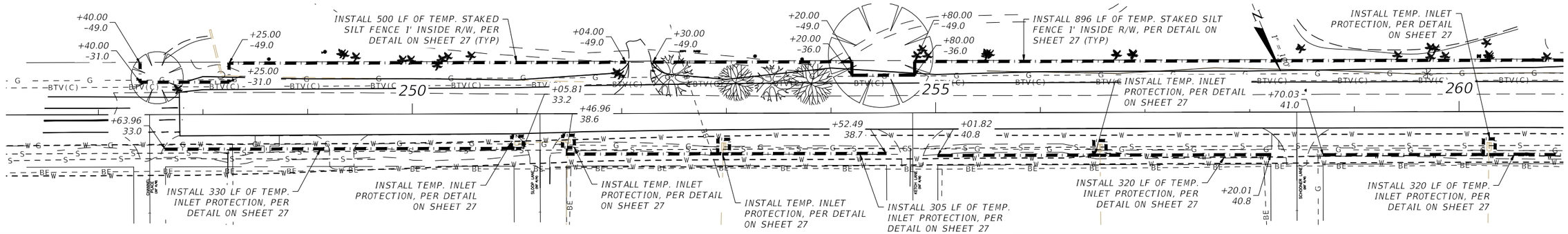
DMK ASSOCIATES, INC.
405 COMMERCIAL CT, SUITE E
VENICE, FL. 34292
PHONE: 941-412-1293
FAX: 941-412-1043
KREG E. MAHEU, P.E.
P.E. No. 45766
CA No: 3943

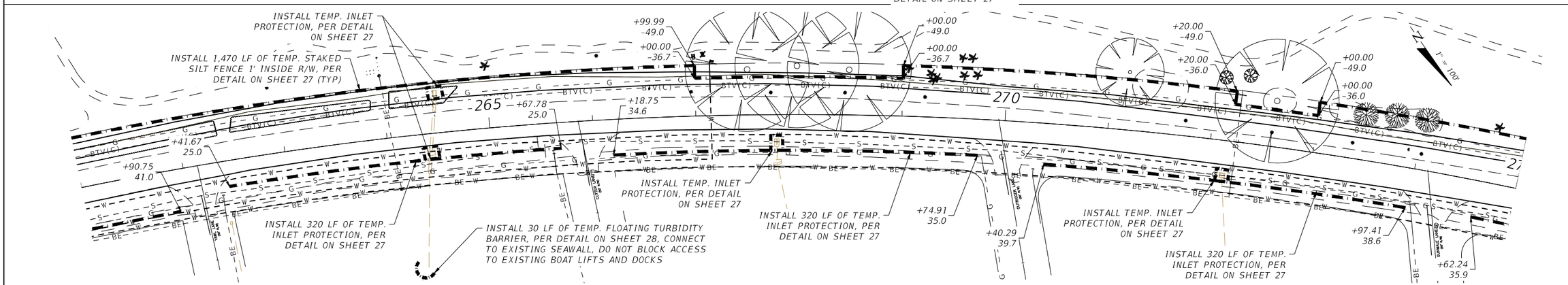
TOWN OF LONGBOAT KEY

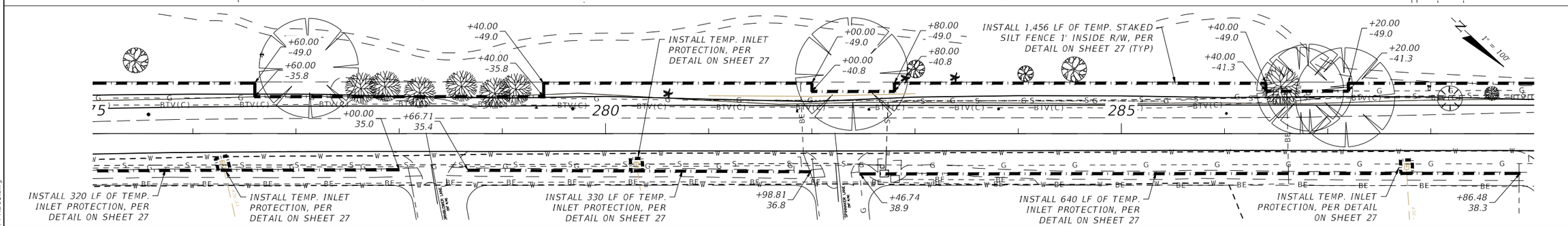
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 789	SARASOTA	N/A

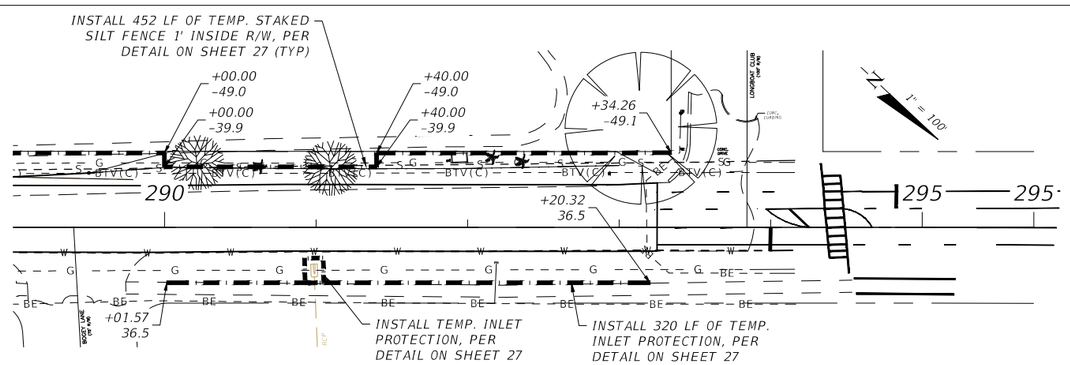
FLOATING TURBIDITY BARRIER DETAILS

SHEET NO. 28









NOTE:
LOCATION OF SILT FENCE, INLET PROTECTION AND FLOATING TURBIDITY BARRIER ARE SCHEMATIC AND MAY BE ADJUSTED IN THE FIELD AS EXISTING CONDITIONS DICTATE. DO NOT BLOCK ACCESS TO EXISTING DRIVEWAYS AND SIDEWALKS.

ROADWAY PLANS
ENGINEER OF RECORD: KREG E. MAHEU, P.E.
P.E. NO. 45766

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DMK ASSOCIATES, INC.
405 COMMERCIAL CT, SUITE E
VENICE, FL 34292
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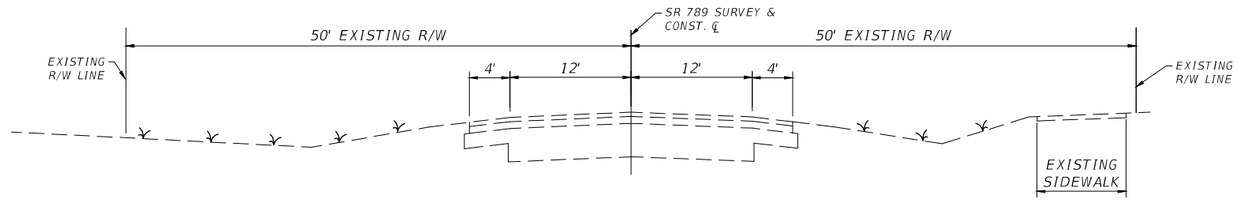
P.E. No. 45766
CA No: 3943

TOWN OF LONGBOAT KEY

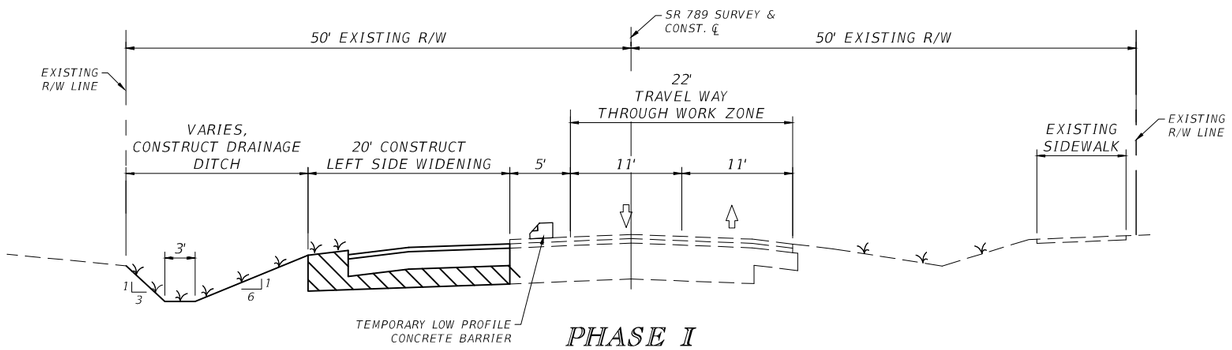
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 789	SARASOTA	N/A

SEDIMENT & EROSION CONTROL PLAN SHEET

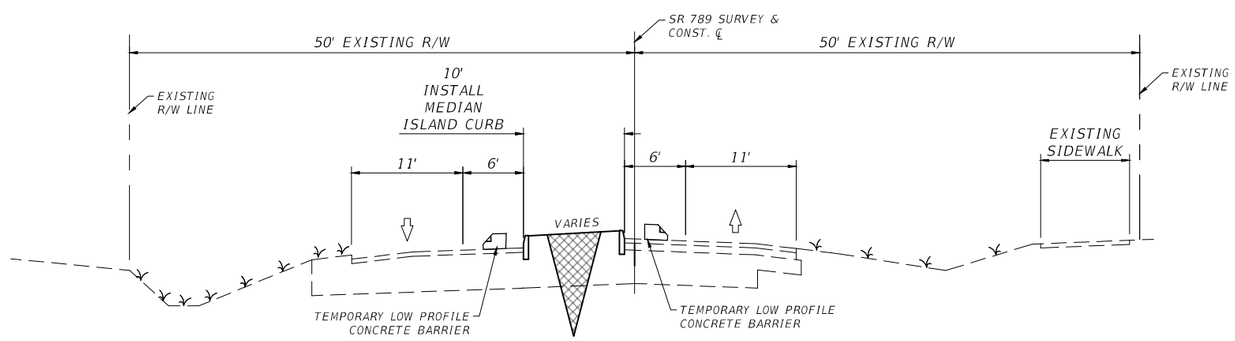
SHEET NO. 29



EXISTING STATE ROAD 789
TYPICAL SECTION



PHASE I
STATE ROAD 789
PROPOSED TYPICAL SECTION
LEFT SIDE WIDENING



PHASE II
STATE ROAD 789
PROPOSED TYPICAL SECTION
INSTALL MEDIAN ISLANDS (TYPE "D" CURB)

GENERAL NOTES

CONTRACTOR SHALL FOLLOW FDOT INDEXES:

102-120 TEMPORARY LOW PROFILE BARRIER
102-600 GENERAL INFORMATION FOR TRAFFIC CONTROL THROUGH WORK ZONES
102-602 TWO-LANE, TWO-WAY, WORK WITHIN THE SHOULDER
102-603 TWO-LANE, TWO-WAY, WORK WITHIN THE TRAVEL WAY

PHASE I

- INSTALL THE TEMPORARY LOW PROFILE BARRIER
- SHIFT TRAFFIC TO EAST SIDE USING THE SHOULDER PER TEMPORARY PAVEMENT MARKING INDEX 102-600 SHEET 12 OF12
- BICYCLISTS TO USE EXISTING SIDEWALK
- GRIND EXISTING PAVEMENT MARKING
- CONSTRUCT THE LANE WIDENING
- CONSTRUCT THE STRUCTURAL COURSE

PHASE II

- INSTALL TEMPORARY LOW PROFILE BARRIER
- MAINTAIN ACCESS TO ALL CONNECTING ROADS
- SAWCUT PAVEMENT
- CONSTRUCT CONCRETE TYPE D CURB
- EXCAVATE FOR LANDSCAPING

ROADWAY PLANS
ENGINEER OF RECORD: KREG E. MAHEU, P.E.
P.E. NO. 45766

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

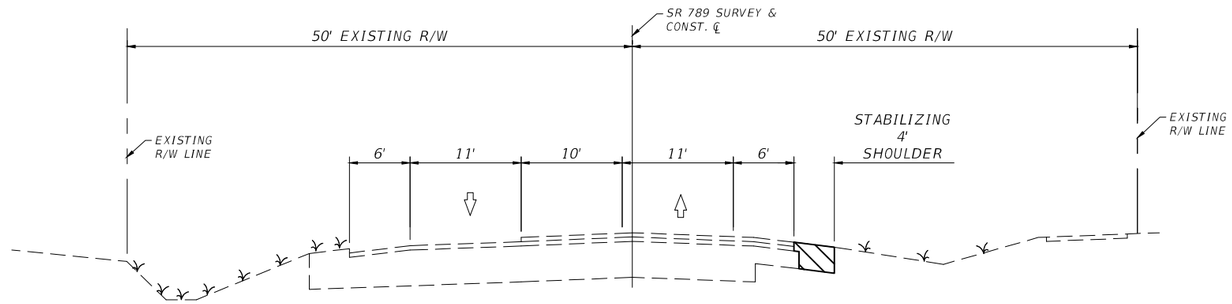
DMK ASSOCIATES, INC.
405 COMMERCIAL CT, SUITE E
VENICE, FL. 34292
PHONE: 941-412-1293
FAX: 941-412-1043
KREG E. MAHEU, P.E.
P.E. No. 45766
CA No: 3943

TOWN OF LONGBOAT KEY

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 789	SARASOTA	N/A

TEMPORARY TRAFFIC CONTROL PLANS (1)

SHEET NO. 30



PHASE III
STATE ROAD 789
PROPOSED TYPICAL SECTION
RIGHT SIDE STABILIZED SHOULDER

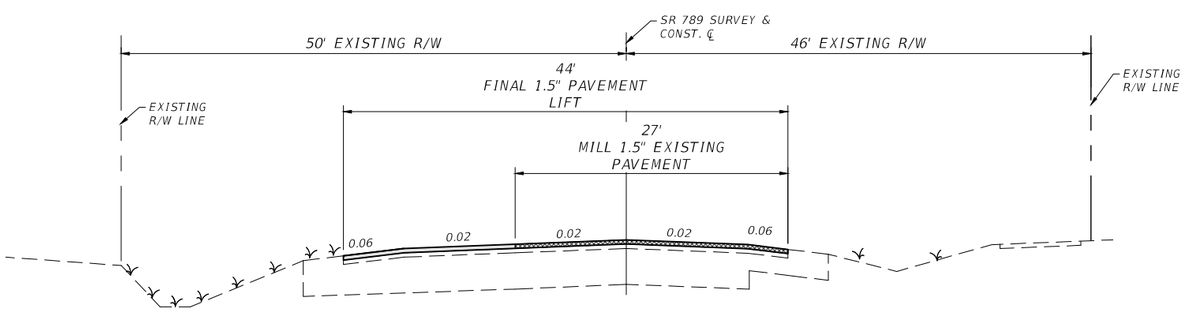
GENERAL NOTES

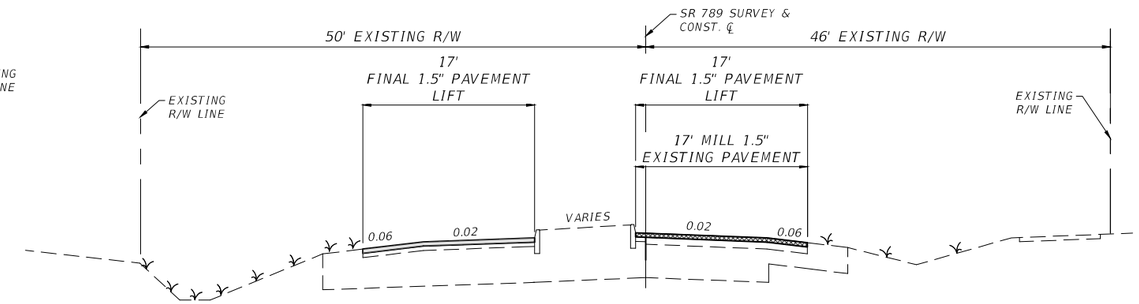
CONTRACTOR SHALL FOLLOW FDOT INDEXES:

102-100 TEMPORARY BARRIER
102-110 TYPE K TEMPORARY CONCRETE BARRIER SYSTEM
102-600 GENERAL INFORMATION FOR TRAFFIC CONTROL THROUGH WORK ZONES
102-602 TWO-LANE, TWO-WAY, WORK WITHIN THE SHOULDER
102-603 TWO-LANE, TWO-WAY, WORK WITHIN THE TRAVEL WAY

PHASE III
- STABILIZE SHOULDER ON THE EAST SIDE

PHASE IV
- MILL EXISTING PAVEMENT
- CONSTRUCT FRICTION COURSE





PHASE IV
STATE ROAD 789
PROPOSED TYPICAL SECTION
FINAL MILL AND RESURFACE

ROADWAY PLANS
ENGINEER OF RECORD: KREG E. MAHEU, P.E.
P.E. NO. 45766

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

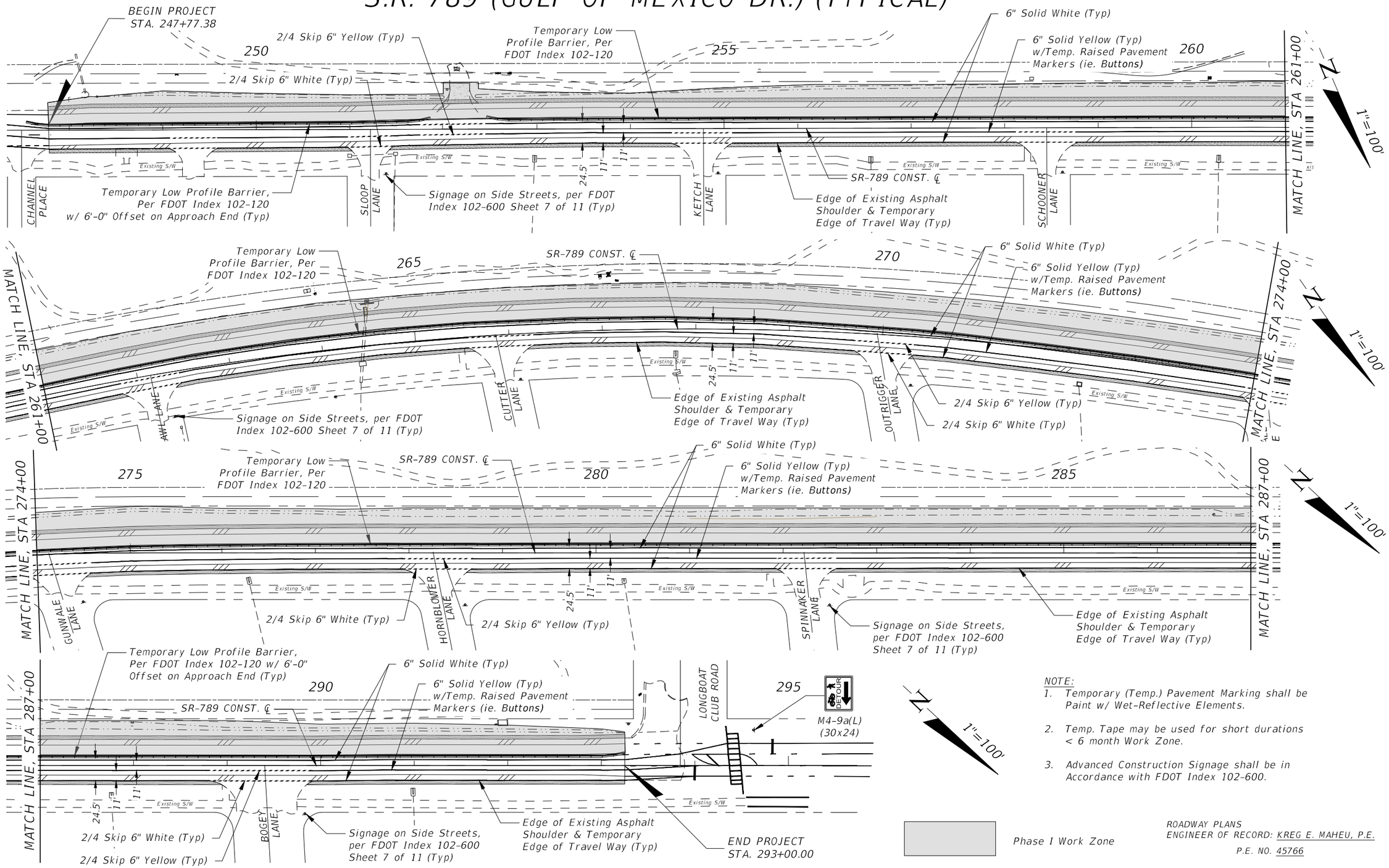
DMK ASSOCIATES, INC.
405 COMMERCIAL CT, SUITE E
VENICE, FL. 34292
PHONE: 941-412-1293
FAX: 941-412-1043
KREG E. MAHEU, P.E.
P.E. No. 45766
CA No: 3943

TOWN OF LONGBOAT KEY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 789	SARASOTA	N/A

TEMPORARY TRAFFIC CONTROL PLANS (2)

SHEET NO. 31

S.R. 789 (GULF OF MEXICO DR.) (TYPICAL)



NOTE:

1. Temporary (Temp.) Pavement Marking shall be Paint w/ Wet-Reflective Elements.
2. Temp. Tape may be used for short durations < 6 month Work Zone.
3. Advanced Construction Signage shall be in Accordance with FDOT Index 102-600.

Phase I Work Zone

ROADWAY PLANS
ENGINEER OF RECORD: KREG E. MAHEU, P.E.
P.E. NO. 45766

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DMK ASSOCIATES, INC.
405 COMMERCIAL CT, SUITE E
VENICE, FL. 34292
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KREG E. MAHEU, P.E.
P.E. No. 45766
CA No: 3943

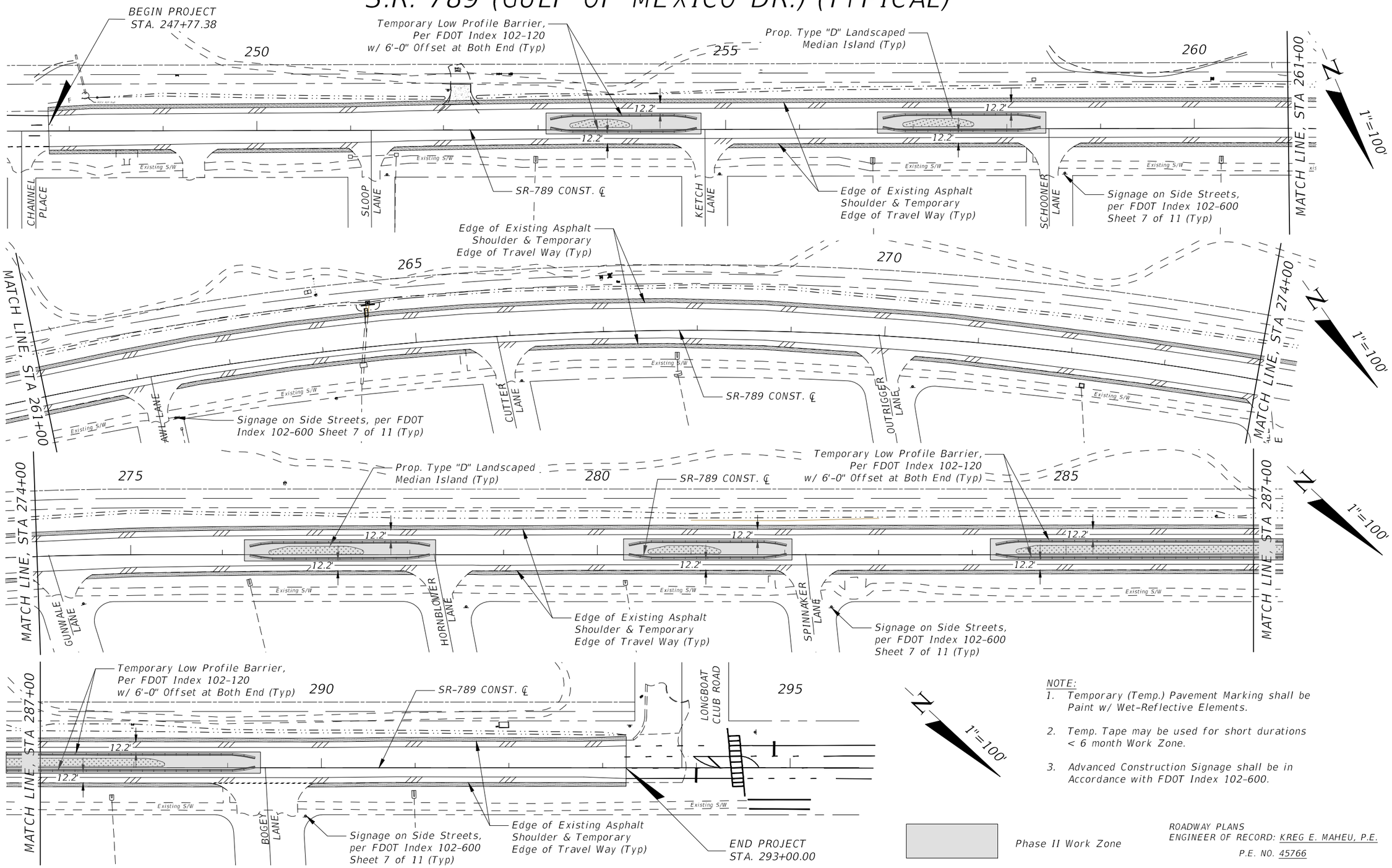
TOWN OF LONGBOAT KEY

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 789	SARASOTA	N/A

TEMPORARY TRAFFIC CONTROL PLAN (PHASE I)

SHEET NO. 32

S.R. 789 (GULF OF MEXICO DR.) (TYPICAL)



NOTE:
1. Temporary (Temp.) Pavement Marking shall be Paint w/ Wet-Reflective Elements.
2. Temp. Tape may be used for short durations < 6 month Work Zone.
3. Advanced Construction Signage shall be in Accordance with FDOT Index 102-600.

Phase II Work Zone

ROADWAY PLANS
ENGINEER OF RECORD: KREG E. MAHEU, P.E.
P.E. NO. 45766

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DMK ASSOCIATES, INC.
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P.E. No. 45766
CA No: 3943

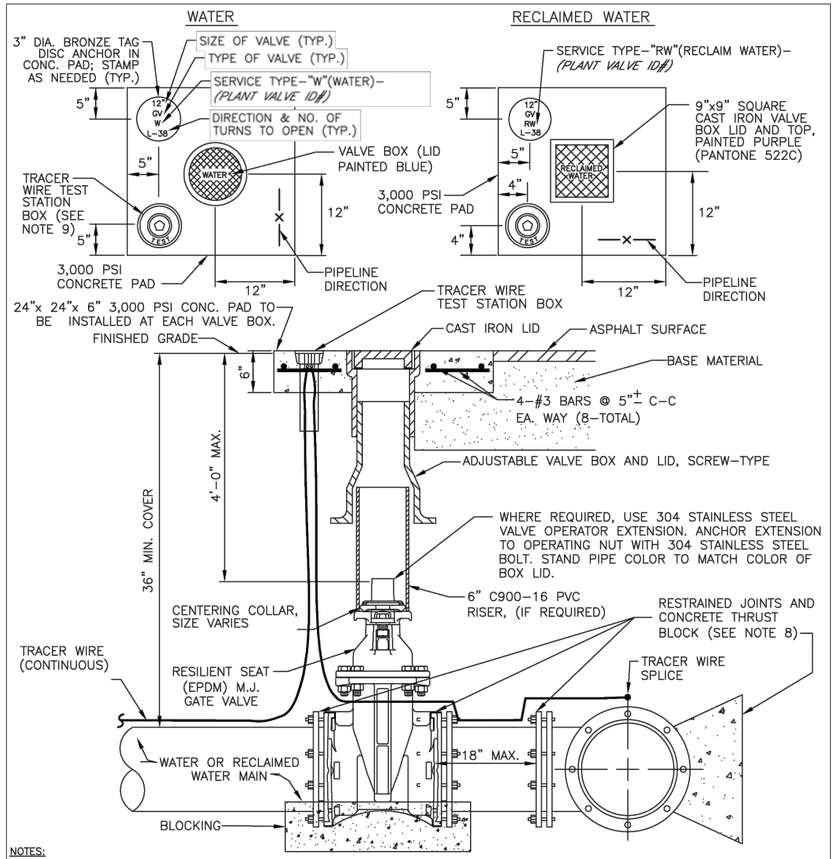
TOWN OF LONGBOAT KEY

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 789	SARASOTA	N/A

TEMPORARY TRAFFIC CONTROL PLAN (PHASE II)

SHEET NO. 33

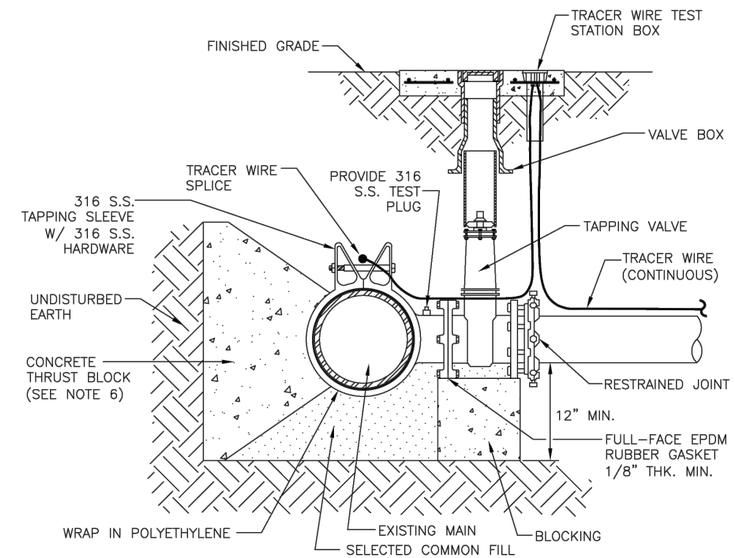
3/24/2025 10:32:20 AM
F:\Projects\2016\16-0280 LBK RFP 16-010\61-Bike-Lane\1234567891011\Roadway\TC_PLANRD01.dwg



NOTES:

1. "WV" OR "RWV" TO BE IMPRESSED INTO THE NEWLY-POURED CONCRETE CURB, ALONG WITH DISTANCE IN FEET TO THE VALVE. IF NO CURB, INSTALL A BLUE DISC WITH "WV" OR PURPLE DISC WITH "RWV" USING A 1/8" x 1" GALVANIZED STEEL SCREW IN THE EDGE OF PAVEMENT WITH THE FOOTAGE FROM THE DISC TO THE VALVE.
2. ALL EXISTING AND PROPOSED VALVE BOXES SHALL BE ADJUSTED TO FINISHED GRADES AS DETERMINED IN THE FIELD.
3. VALVES SHALL NOT BE PLACED IN HANDICAPPED RAMPS, CURBS, OR GUTTERS.
4. PRECAST CONCRETE PADS SHALL NOT BE USED.
5. ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 1/2".
6. PIPELINE DIRECTION TO BE IMPRESSED INTO NEWLY POURED CONCRETE PAD.
7. TRACER WIRE TEST STATION BOX IS NOT REQUIRED IN VALVE BOX PAD IF THE GATE VALVE IS LOCATED WITHIN 200 FEET OF A WATER SERVICE, BLOW-OFF, BACKFLOW PREVENTER OR FIRE HYDRANT THAT HAS A TRACER WIRE BOX.
8. WHERE THRUST BLOCK NOT USED, RESTRAINED JOINTS MUST THEN EXTEND FROM TEE FULL LENGTH SPECIFIED FOR "TEES."
9. USE NON-TRAFFIC RATED BOXES FOR NORMAL YARD SERVICE. WHERE VALVE WILL BE IN STREET OR PARKING UNDER VEHICLE TRAFFIC, USE TRAFFIC RATED BOXES. WHERE POSSIBLE, LOCATE TRACE WIRE TESTING STATION OUTSIDE OF TRAVEL LANE OR IN MEDIAN, CENTERED IN SEPARATE CONCRETE PAD SIMILAR TO STANDARD VALVE BOX PAD.
10. THE BRASS TAG SHALL HAVE A "PLANT VALVE ID# WHEN VALVES ARE INSTALLED WITHIN THE COUNTY TREATMENT PLANT LIMITS. THE PLANT VALVE ID# SHALL BE SHOWN ON THE CONSTRUCTION PLANS AND RECORD DRAWINGS.
11. REFER TO SECTION 1.11 GATE VALVES IN THE PUBLIC WORKS UTILITY STANDARDS MANUAL FOR FURTHER DETAILS.

MANATEE COUNTY PUBLIC WORKS DEPARTMENT			GATE VALVE, BOX, LID AND TAG	UW-2
REV.BY	DATE	February 25, 2020 DATE OF APPROVAL		



ELEVATION

NOTES:

1. PRIOR TO TAPPING, CONTRACTOR TO DEMONSTRATE 60 MINUTE HYDROSTATIC TEST OF THE TAPPING SLEEVE AND VALVE WITH NO LOSS OF 180 PSI PRESSURE FOR WATER AND RECLAIMED WATER.
2. ALL FITTINGS TO BE WRAPPED WITH 20 MIL POLYETHYLENE WRAP AT THRUST BLOCK.
3. ALL TAPS ON CONCRETE WATER MAINS AND LARGER THAN 12" ARE TO BE MADE BY A MANATEE COUNTY APPROVED TAPPING COMPANY. ALL MATERIALS TO BE SUPPLIED BY THE CONTRACTOR.
4. ALL TAPS MUST BE OF A SMALLER SIZE THAN THE MAIN BEING TAPPED & PLACED NO CLOSER THAN 30" OR A DISTANCE EQUAL TO (1) MAIN PIPE DIAMETER PLUS (2) TAP PIPE DIAMETERS (WHICHEVER IS GREATER) FROM A JOINT OR FITTING.
5. CONTRACTOR TO SUPPLY A DRY HOLE FOR TAPPING CREW TO WORK IN AND A BACK-HOE TO LOWER TAPPING MACHINE INTO THE HOLE.
6. WHERE THRUST BLOCK NOT USED, RESTRAINED JOINTS MUST THEN EXTEND FROM TEE FULL LENGTH SPECIFIED FOR "TEES."
7. TRACER WIRE TEST STATION BOX IS REQUIRED AT CONNECTIONS TO EXISTING MAINS.
8. SEE SECTION 1.11 TAPPING SLEEVES AND VALVES IN THE PUBLIC WORKS UTILITY STANDARDS MANUAL FOR FURTHER DETAILS.

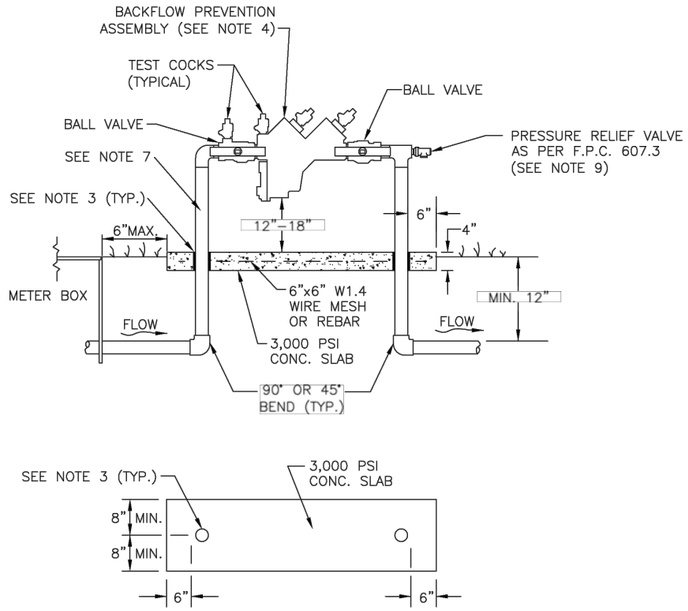
MANATEE COUNTY PUBLIC WORKS DEPARTMENT			TAPPING SLEEVE AND VALVE (WATER/RECLAIM)	UW-3
REV.BY	DATE	February 25, 2020 DATE OF APPROVAL		

ROADWAY PLANS
ENGINEER OF RECORD: KREG E. MAHEU, P.E.
P.E. NO. 45766

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DMK ASSOCIATES, INC.
405 COMMERCIAL CT, SUITE E
VENICE, FL. 34292
PHONE: 941-412-1293
FAX: 941-412-1043
KREG E. MAHEU, P.E.
P.E. No. 45766
CA No: 3943

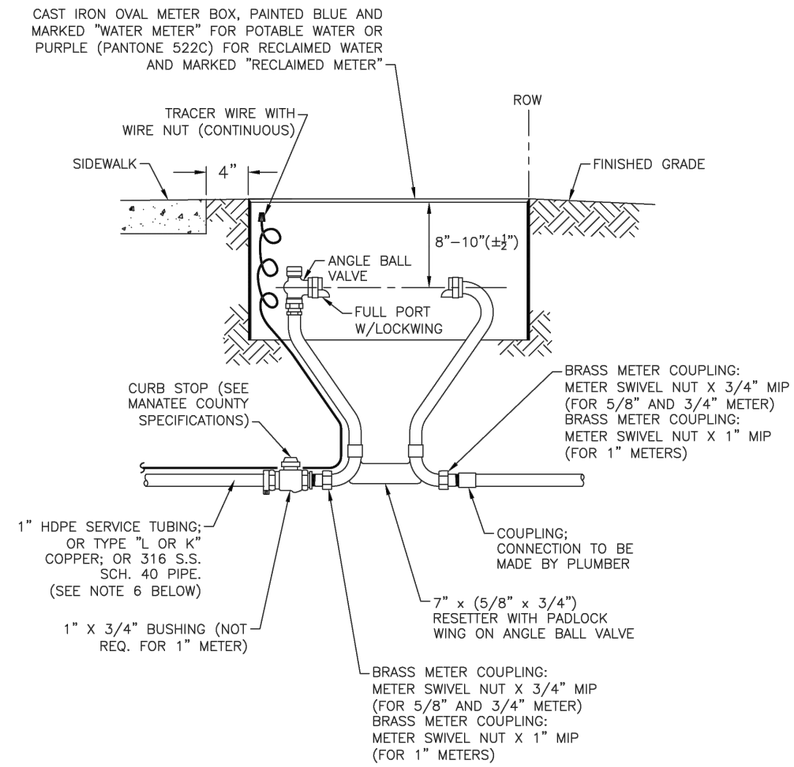
TOWN OF LONGBOAT KEY			MANATEE COUNTY STANDARD UTILITY DETAILS (1)	SHEET NO.
ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
SR 789	SARASOTA	N/A		34



NOTES:

1. BACKFLOW PREVENTION ASSEMBLY MUST BE INSTALLED IMMEDIATELY DOWNSTREAM OF METER, AS SHOWN ABOVE
2. COPPER PIPE TYPE "L" (OR "K") OR BRASS PIPE MINIMUM SCHEDULE 40 SHALL BE USED TO A MINIMUM DEPTH OF 12" BELOW GRADE.
3. PIPES PASSING THROUGH CONCRETE SLAB SHALL BE PROPERLY PROTECTED; POLYETHYLENE WRAPPED OR PVC SLEEVED. COPPER SHALL NOT COME IN CONTACT WITH THE CONCRETE.
4. THE SYSTEM MUST MEET ALL REQUIREMENTS OF THE FLORIDA PLUMBING CODE (LATEST EDITION) AND CHAPTER 2–31, ARTICLE X OF THE MANATEE COUNTY CODE OF ORDINANCES.
5. ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 1/2".
6. BACKFLOW PREVENTER SHALL BE TESTED AT THE TIME OF INSTALLATION.
7. PRESSURE REDUCING VALVE IS REQUIRED UPSTREAM OF BACKFLOW PREVENTION ASSEMBLY, IF SYSTEM PRESSURE EXCEEDS 80 PSI.
8. 3' MINIMUM CLEARANCE FROM LANDSCAPING PLANTS AND 10' MIN. CLEARANCE FROM TREES TO EDGE OF CONCRETE SLAB AND CLEAR OPENING FOR ACCESS FROM STREET.
9. IN ADDITION TO THE PRV, THE BUILDING DEPT. MAY REQUIRE AN APPROVED DEVICE FOR THERMAL EXPANSION CONTROL DOWNSTREAM OF THE ASSEMBLY.
10. FITTINGS AND CONNECTIONS FOR ABOVE–GROUND INSTALLATIONS SHALL NOT ALLOW ANY MOVEMENT OR ROTATION OF BACKFLOW PREVENTION ASSEMBLY.
11. REFER TO DETAIL US–15 WATER METER & BACKFLOW PREVENTER FOR LIFT STATIONS FOR WATER SERVICE AT SEWAGE PUMPING STATION.
12. BACKFLOW PREVENTION ASSEMBLIES USED FOR POTABLE APPLICATIONS SHALL BE LEAD FREE AS DEFINED IN THE REDUCTION OF LEAD IN DRINKING WATER ACT, SECTION 1417 OF THE SAFE DRINKING WATER ACT, 42 U.S.C. 300g–6, AS MAY BE AMENDED, AND IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS

MANATEE COUNTY PUBLIC WORKS DEPARTMENT			3/4" & 1" BACKFLOW PREVENTION ASSEMBLY	UW–13
REV.BY	DATE	February 25, 2020 DATE OF APPROVAL		



NOTES:

1. METER BOX AND RESETTER ARE TO BE INSTALLED BY THE INFRASTRUCTURE CONTRACTOR AND SHALL NOT BE SET IN DRAINAGE SWALES, SIDEWALKS OR DRIVEWAYS. WITH PRIOR APPROVAL BY COUNTY, METER BOXES WITH LOCKABLE LIDS MAY BE LOCATED IN SIDEWALKS.
2. THE METER RESETTER SHALL BE INSTALLED IN SUCH A MANNER AS TO ALLOW REMOVAL AND REPLACEMENT WITHOUT DISTURBING THE STRUCTURAL INTEGRITY OF THE PIPING SYSTEM, THE SHUTOFF VALVES, OR THE RESETTER.
3. FOR COMPLETE SERVICE CONNECTION ASSEMBLY, SEE DETAIL UW–21 TYPICAL SERVICE CONNECTION.
4. WHEN THE DISTANCE BETWEEN THE EDGE OF THE SIDEWALK AND THE R/W IS ONE FOOT (CUL–DE–SAC W/ MEDIAN) A 10–FOOT–WIDE PUBLIC UTILITY EASEMENT SHALL BE LOCATED IN THE FRONT OF THE LOTS, ADJACENT TO THE ROW.
5. 3' MINIMUM CLEARANCE FROM LANDSCAPING PLANTS AND 10' MIN. CLEARANCE FROM TREES TO EDGE OF METER, CLEAR ACCESS OPENING TO STREET.
6. SERVICE TUBING SHALL NOT BE CRIMPED OR KINKED TO RE–ADJUST CURB STOP LOCATION.

MANATEE COUNTY PUBLIC WORKS DEPARTMENT			METER BOX ASSEMBLY FOR 5/8" X 3/4"; 3/4"; AND 1" METERS	UW–18
REV.BY	DATE	February 25, 2020 DATE OF APPROVAL		

ROADWAY PLANS
ENGINEER OF RECORD: KREG E. MAHEU, P.E.
P.E. NO. 45766

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DMK ASSOCIATES, INC.
405 COMMERCIAL CT, SUITE E
VENICE, FL. 34292
PHONE: 941-412-1293
FAX: 941-412-1043
KREG E. MAHEU, P.E.
P.E. No. 45766
CA No: 3943

TOWN OF LONGBOAT KEY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 789	SARASOTA	N/A

MANATEE COUNTY STANDARD UTILITY DETAILS (2)

SHEET NO. 35

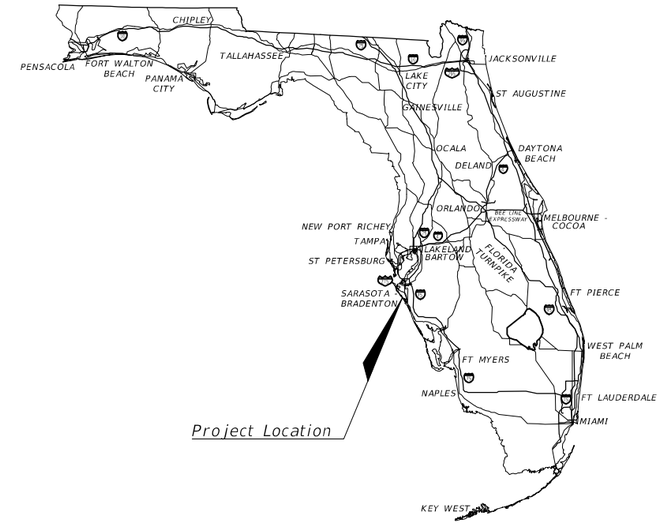
TOWN OF LONGBOAT KEY

CONTRACT PLANS

SARASOTA COUNTY

STATE ROAD NO. SR-789

SIGNING AND PAVEMENT MARKING PLANS



INDEX OF SIGNING AND PAVEMENT MARKING PLANS

TOWN OF LONGBOAT KEY COMMISSIONERS:

GARY COFFIN	DISTRICT 1
PENNY GOLD	DISTRICT 2
KEN SCHNEIER, MAYOR	DISTRICT 3
DEBRA WILLIAMS	DISTRICT 4
SARAH KARON	DISTRICT 5
B.J. BISHOP	AT-LARGE
MIKE HAYCOCK, VICE MAYOR	AT-LARGE

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA,

PLANS PREPARED BY:

DMK ASSOCIATES ENGINEERS ■ SURVEYORS

DMK ASSOCIATES, INC.

SIGNING AND PAVEMENT MARKING PLANS

JOHN K. PARI
P.E. NO.: 56368
DMK ASSOCIATES, INC.
421 COMMERCIAL COURT, SUITE C
VENICE, FL, 34292
CONTRACT NO.: N/A
VENDOR NO.: N/A
CERTIFICATE OF AUTHORIZATION NO.: 3943

GOVERNING DESIGN STANDARDS:
Florida Department of Transportation, FY 2023-2024 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

GOVERNING STANDARD SPECIFICATIONS:
Florida Department of Transportation, July, 2022 Standard Specifications for Road and Bridge Construction at the following website:
http://www.fdot.gov/programmanagement/Implemented/SpecBooks

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
T-0000	2020	S-1

BID ITEM NO.	DESCRIPTION	UNIT	APPROX. QUANTITY
700-1-11	SINGLE POST SIGN, F&I, GROUND MOUNT, UP TO 12 S.F.	AS	3
700-1-50	SINGLE POST SIGN, RELOCATE	AS	5
700-1-60	SINGLE POST SIGN, REMOVE	AS	5
706-3	RETRO-REFLECTIVE / RAISED PAVEMENT MARKERS	EA	392
710-11-290	PAINTED PAVEMENT MARKING, STD, YELLOW, SOLID, ISLAND NOSE	SF	161
711-11-111	THERMOPLASTIC, STD, WHITE, SOLID, 6"	NM	3.206
711-11-141	THERMOPLASTIC, STD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"	GM	0.485
711-11-160	THERMOPLASTIC, STD, WHITE, MESSAGE OR SYMBOL	EA	24
711-11-170	THERMOPLASTIC, STD, WHITE, ARROW	EA	24
711-11-211	THERMOPLASTIC, STD, YELLOW, SOLID, 6"	NM	1.458
711-11-224	THERMOPLASTIC, STD, YELLOW, SOLID, 18" FOR DIAGONAL AND CHEVRON	LF	215
711-11-231	THERMOPLASTIC, STD, YELLOW, SKIP, 6"	GM	0.216

ROADWAY PLANS
ENGINEER OF RECORD: KREG E. MAHEU, P.E.
P.E. NO. 45766

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION
03-25	Revised Pavement Marking Quantities. (Median Mod.)		

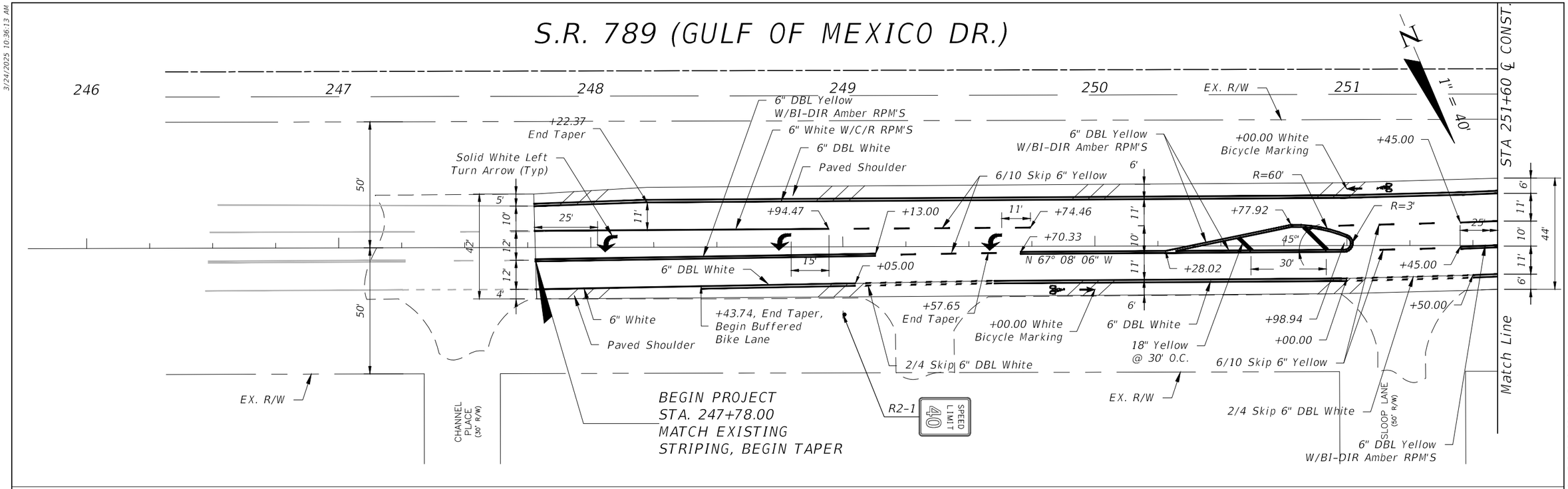
DMK ASSOCIATES, INC.
405 COMMERCIAL CT, SUITE E
VENICE, FL. 34292
PHONE: 941-412-1293
FAX: 941-412-1043
KREG E. MAHEU, P.E.
P.E. No. 45766
CA No: 3943

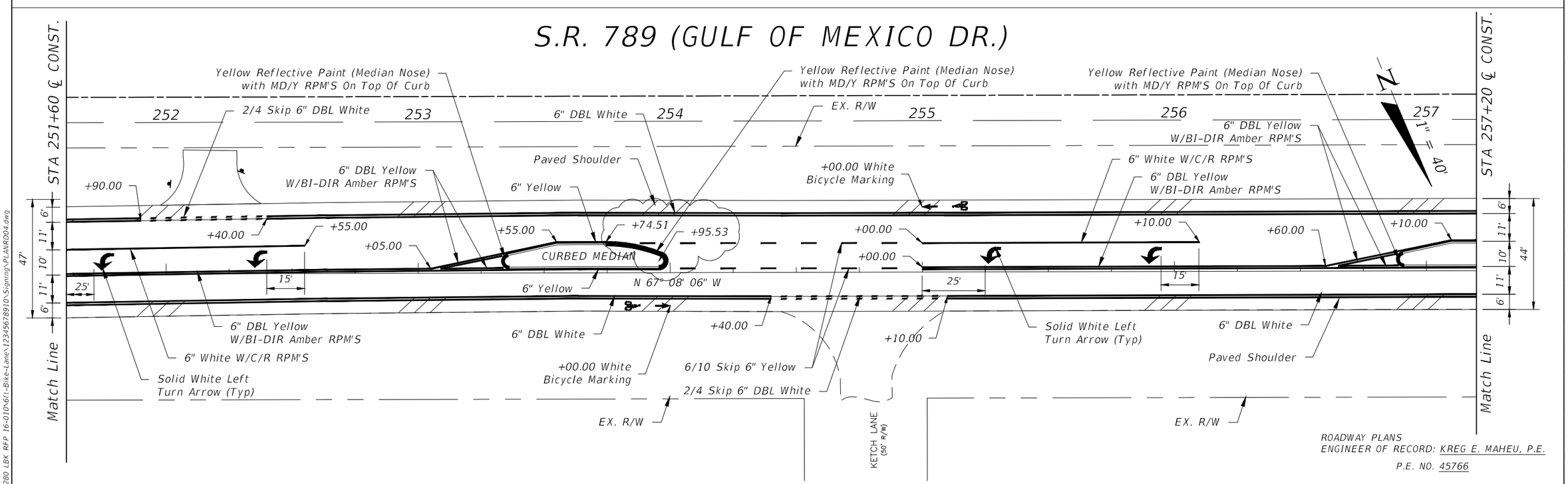
TOWN OF LONGBOAT KEY

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 789	SARASOTA	N/A

SUMMARY OF PAY ITEMS

SHEET NO. S-2





ROADWAY PLANS
ENGINEER OF RECORD: KREG E. MAHEU, P.E.
P.E. NO. 45766

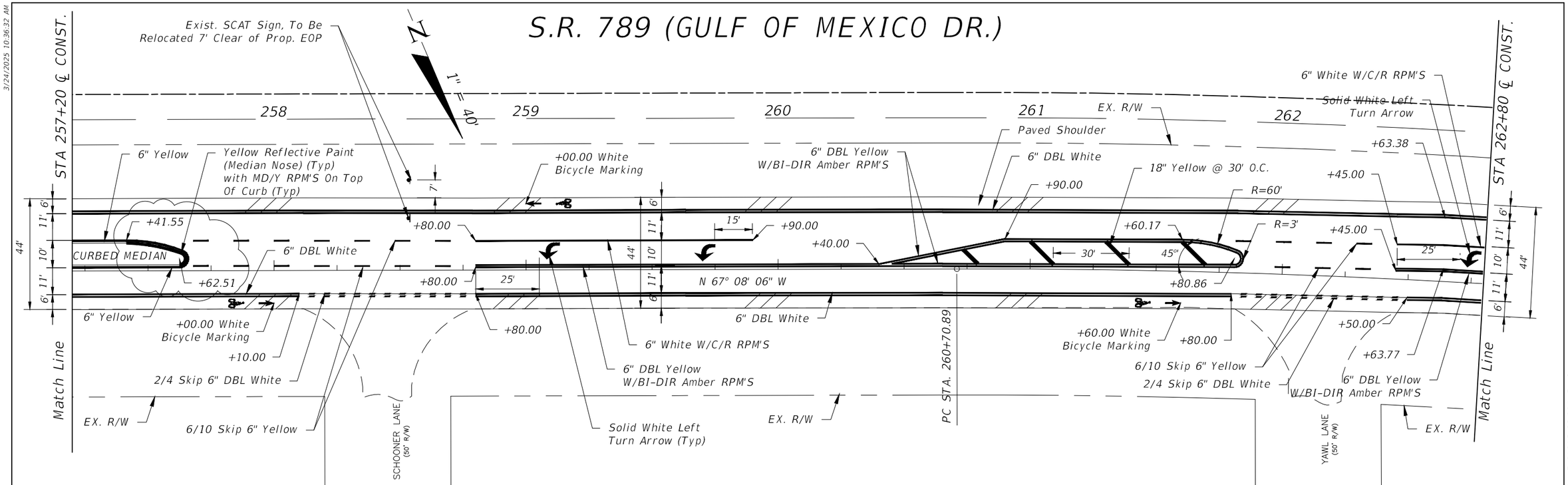
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
03-25	Revised Pavement Marking Sta. (Median Mod.)		

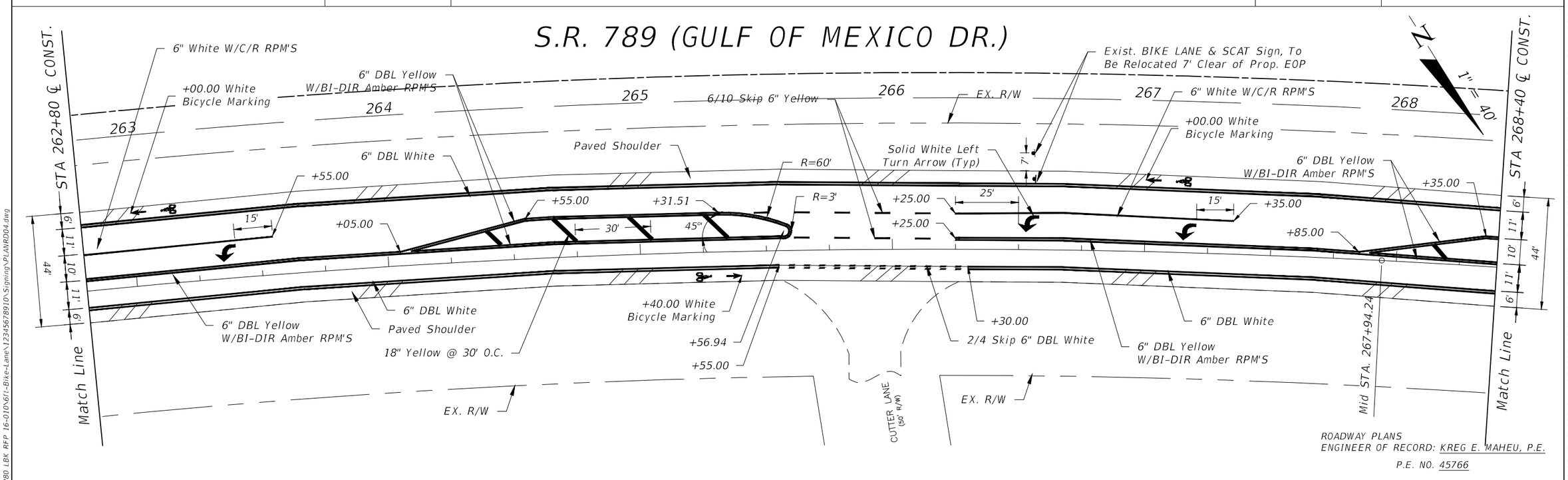
DMK ASSOCIATES, INC.
405 COMMERCIAL CT, SUITE E
VENICE, FL, 34292
PHONE: 941-412-1293
FAX: 941-412-1043
KREG E. MAHEU, P.E.
P.E. No. 45766
CA No: 3943

TOWN OF LONGBOAT KEY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 789	SARASOTA	N/A

SIGNING AND PAVEMENT MARKING (1)

SHEET NO. S-3





ROADWAY PLANS
ENGINEER OF RECORD: KREG E. MAHEU, P.E.
P.E. NO. 45766

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
03-25	Revised Pavement Marking Sta. (Median Mod.)		

DMK ASSOCIATES, INC.
405 COMMERCIAL CT, SUITE E
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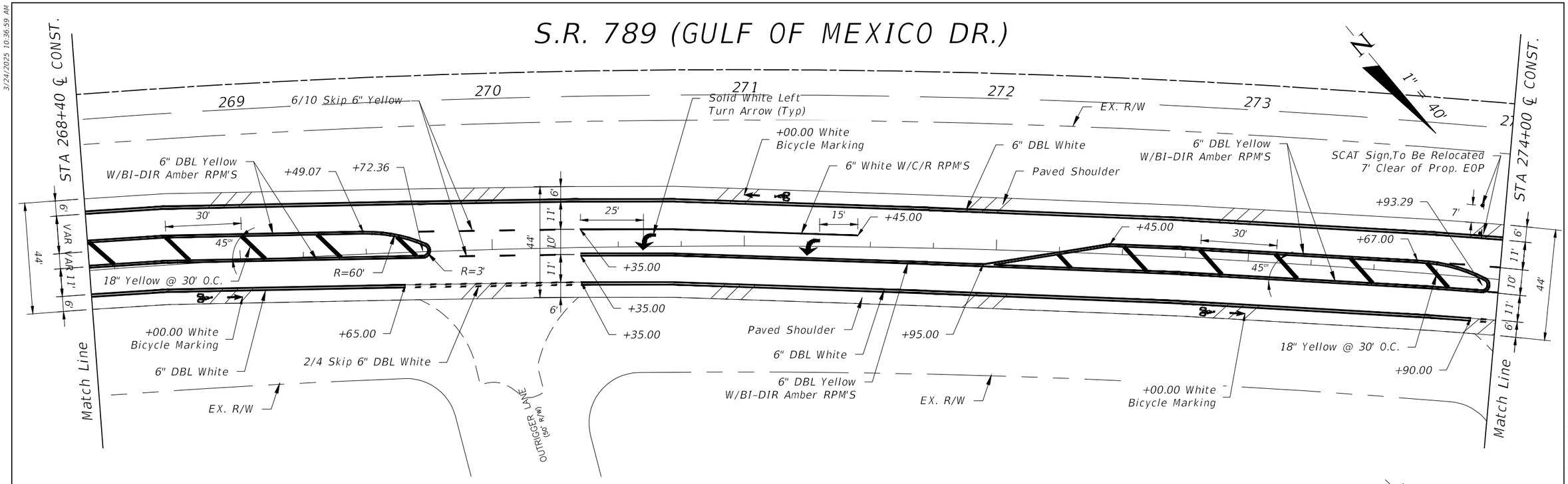
KREG E. MAHEU, P.E.
P.E. No. 45766
CA No: 3943

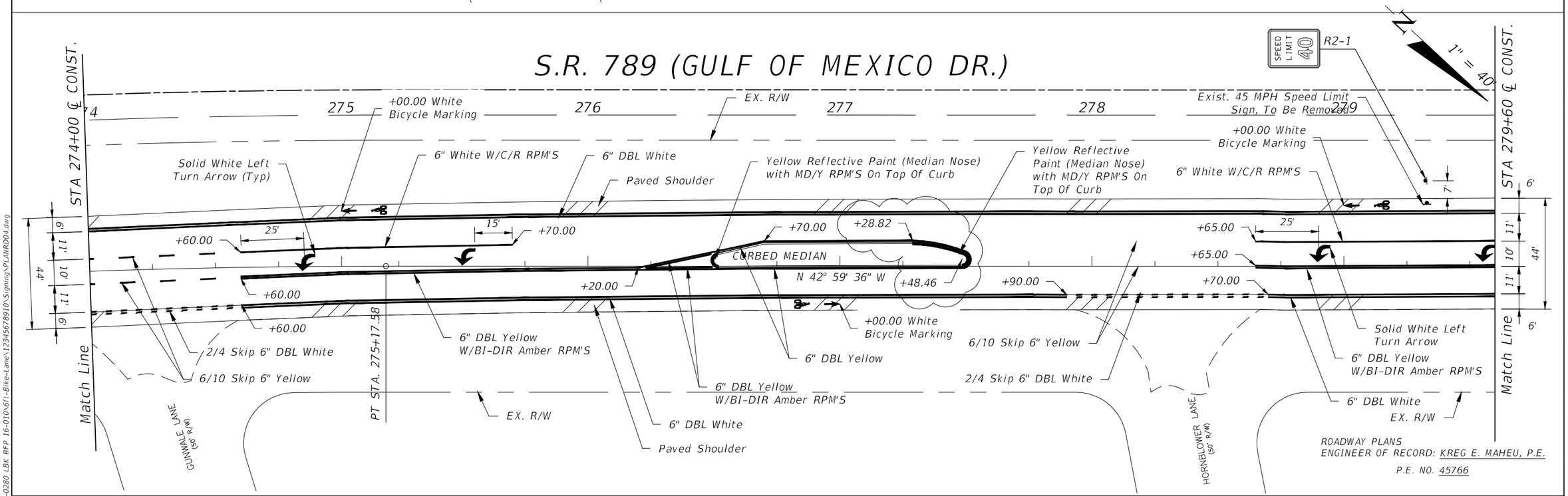
TOWN OF LONGBOAT KEY

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 789	SARASOTA	N/A

SIGNING AND PAVEMENT MARKING (2)

SHEET NO. S-4





REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
03-25	Revised Pavement Marking Sta. (Median Mod.)		

DMK ASSOCIATES, INC.
405 COMMERCIAL CT, SUITE E
VENICE, FL. 34292
PHONE: 941-412-1293
FAX: 941-412-1043
KREG E. MAHEU, P.E.
P.E. No. 45766
CA No: 3943

TOWN OF LONGBOAT KEY

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 789	SARASOTA	N/A

SIGNING AND PAVEMENT MARKING (3)

SHEET NO. S-5

F:\Projects\2016\16-0280 LBK RFP 16-010\6fl-Bike-Lane\1234567891O\Signing\PLANRD04.dwg
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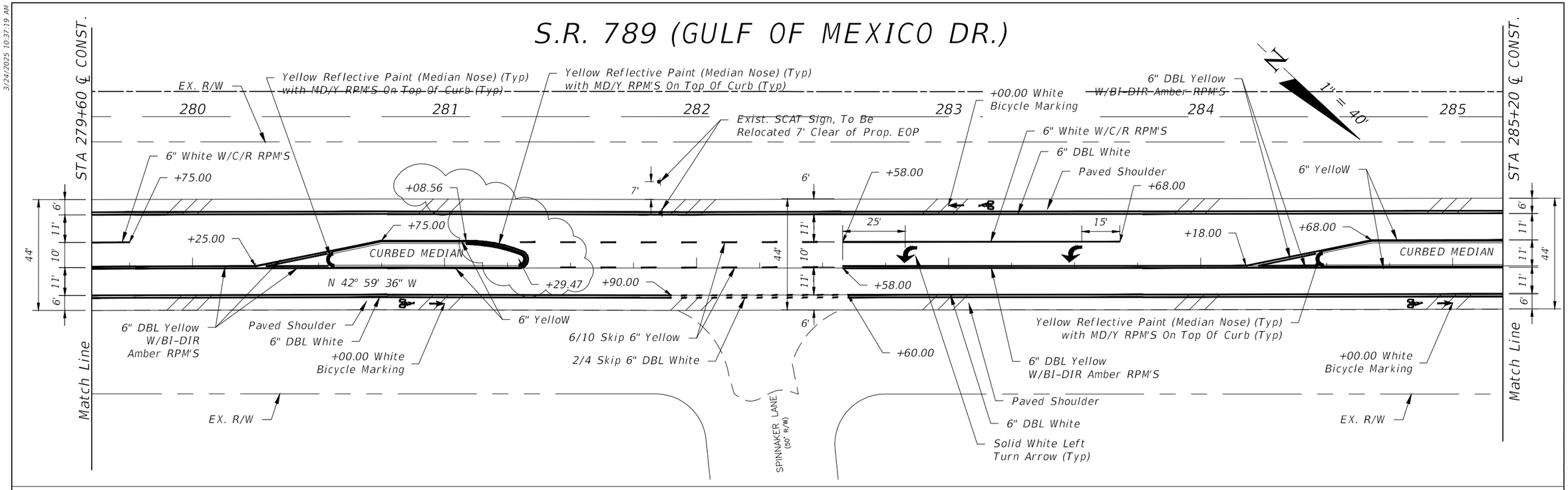

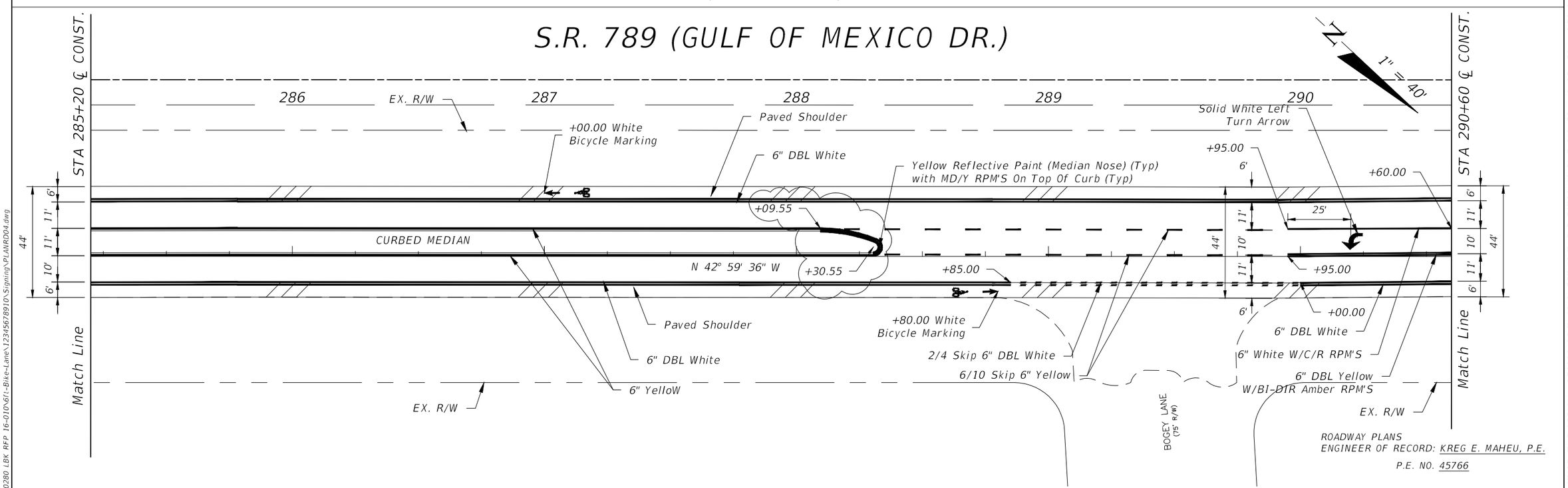

ROADWAY PLANS
ENGINEER OF RECORD: KREG E. MAHEU, P.E.
P.E. NO. 45766

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
03-25	Revised Pavement Marking Sta. (Median Mod.)		

DMK ASSOCIATES, INC.
405 COMMERCIAL CT, SUITE E
VENICE, FL. 34292
PHONE: 941-412-1293
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KREG E. MAHEU, P.E.
P.E. No. 45766
CA No: 3943

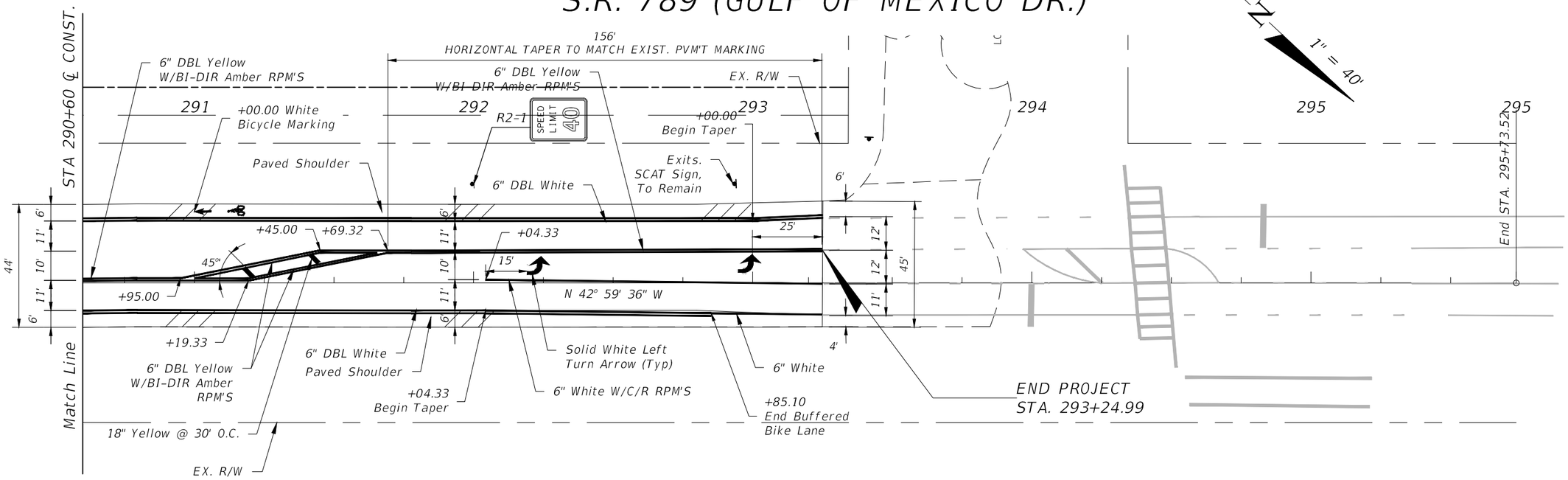
TOWN OF LONGBOAT KEY

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 789	SARASOTA	N/A

SIGNING AND PAVEMENT MARKING (4)

SHEET NO. S-6

S.R. 789 (GULF OF MEXICO DR.)



ROADWAY PLANS
ENGINEER OF RECORD: KREG E. MAHEU, P.E.
P.E. NO. 45766

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DMK ASSOCIATES, INC.
405 COMMERCIAL CT, SUITE E
VENICE, FL. 34292
PHONE: 941-412-1293
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KREG E. MAHEU, P.E.
P.E. No. 45766
CA No: 3943

TOWN OF LONGBOAT KEY

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 789	SARASOTA	N/A

SIGNING AND PAVEMENT MARKING (5)

SHEET NO.
S-7