

RIVERVIEW BOULEVARD BRIDGE OVER McLEWIS BAYOU BRIDGE NO. 134019 MANATEE COUNTY PROJECT NO. 6013260

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BRIDGE NO. 134019

GOVERNING STANDARDS AND SPECIFICATIONS:

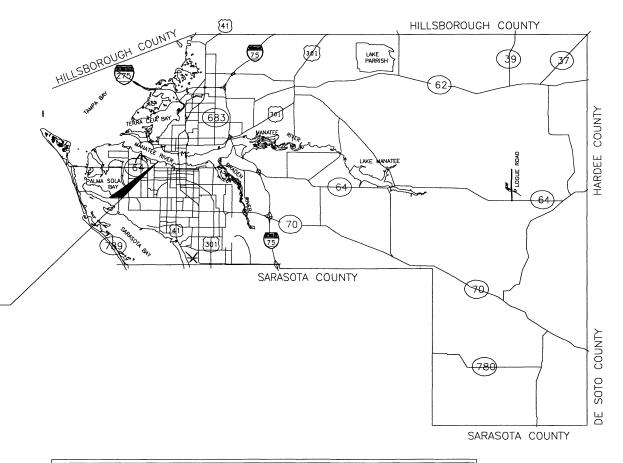
FLORIDA DEPARTMENT OF TRANSPORTATION, DESIGN STANDARDS DATED JANUARY 2008 ALONG WITH CURRENT STANDARDS MODIFICATIONS

STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED 2007, AS AMENDED BY CONTRACT DOCUMENTS

MANATEE COUNTY TRANSPORTATION DEPARTMENT HIGHWAY & DRAINAGE STANDARDS DATED JUNE, 2007

MANATEE COUNTY UTILITY STANDARDS AND SPECIFICATIONS DATED MARCH, 2009.

REVISIONS



LENGTH OF	PROJECT
	FEET
ROADWAY	176'
BRIDGES	35'
NET LENGTH OF PROJ.	211'
EXCEPTIONS	N/A
GROSS LENGTH OF PROJ.	211'

MANATEE COUNTY PROJECT MANAGER: STEVE SERBATY



ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN ALTERED IN SIZE BY REPRODUCTION. DO NOT USE SCALED DATA

PLANS PREPARED BY:



www.wedetrim.com Building reli 8745 HENDERSON ROAD, SUITE 220 TAMPA, FLORIDA 33634

813.882.8368 FAX 813.884.5990 CONTRACT NO. C-992826TC VENDOR NO. 59-2417170 CERTIFICATE OF AUTHORIZATION NO. 3952

ENGINEER OF RECORD: ROBERT R. BREEN, PE

ROADWAY PLANS
APPROVED BY: ROBERT R. BREEN

P.E. NO.: 61064

Sht D.B

		SUMMARY OF QUANTITIES		
ITEM NO.	FDOT PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY
1	101-1	MOBILIZATION	LS	1
2	102-1	MAINTENANCE OF TRAFFIC	LS	1
3	104-11	TURBIDITY BARRIER FLOATING	LF	165
4	104-13-1	SILT FENCE STAKED (TYPE III)	LF	464
5	110-1-1	CLEARING AND GRUBBING	LS	1
6	110-3	REMOVAL OF EXISTING STRUCTURE	LS	1
7	120-1	REGULAR EXCAVATION	CY	95
8	120-5	CHANNEL EXCAVATION	CY	135
9	120-6	EMBANKMENT	CY	100
10	160-4	TYPE B STABILIZATION	SY	581
11	285-704	OPTIONAL BASE, GROUP 04	SY	495
12	334-1-11	ASPHALTIC CONCRETE, TRAFFIC A (SP-9.5 OR S-III)	TN	187.5
13	339-1	MISCELLANEOUS ASPHALT PAVEMENT	TN	16.3
14	360-1	CONCRETE APPROACH SLABS W/REINFORCEMENT	EA	2
15	370-1	BRIDGE APPROACH EXPANSION JOINT	LF	70
16	400-4-4	CONCRETE CLASS IV (SUPERSTRUCTURE)	CY	25
17	400-4-5	CONCRETE CLASS IV (SUBSTRUCTURE)	CY	35
18	400-7	BRIDGE FLOOR GROOVING	SY	210
19	400-144	CLASS V FINISH	SF	925
20	415-1-4	REINFORCING STEEL (SUPERSTRUCTURE)	LB	1505
21	415-1-5	REINFORCING STEEL (SUBSTRUCTURE)	LB	3160
22	450-3-25	PRESTRESSED SLAB UNITS, WIDTH 60", THICKNESS 15" (7 PIECES)	LF	244
23	455-14-3	CONCRETE SHEET PILING, 10"x30" (62 PIECES)	LF	995
24	455-14-5	CONCRETE SHEET PILING, SPECIAL, CORNER (5 PIECES)	LF	100
25	455-34-5	PRESTRESSED CONCRETE PILING, 24" SQ	LF	280
26	455-143-5	TEST PILES-PRESTRESSED CONCRETE, 24" SQ	LF	70
27	521-5-1	CONCRETE TRAFFIC RAILING, BRIDGE 32" F SHAPE	LF	118
28	530-3-3	RIP RAP-RUBBLE, BANK AND SHORE	TN	14
29	536-1-1	GUARDRAIL, ROADWAY	LF	313
30	536-2	GUARDRAIL-SHOP BENT PANELS	LF	12.5
31	536-85-24	GUARDRAIL END ANCHORAGE ASSEMBLY-PARALLEL	EA	3
32	536-85-25	GUARDRAIL END ANCHORAGE ASSEMBLY-TYPE II	EA	1
33	570-1-2	PERFORMANCE TURF	SY	287
34	706-3	RETRO-REFLECTIVE PAVEMENT MARKERS	EA	6
35	711-11-121	THERMOPLASTIC, STANDARD, WHITE, SOLID 6"	LF	422
36	711-11-221	THERMOPLASTIC, STANDARD, YELLOW, SOLID 6"	LF	422
37		UTILITY COORDINATION	LS	1
38		MISCELLANEOUS WORK AND CLEAN UP	LS	1
		DISCRETIONARY WORK (ROADWAY)		· · · · · · · · · · · · · · · · · · ·

39	425-2-71	MANHOLE, J-7, <10'	EA	1
40		UTILITY PIPE, DIRECTIONAL BORE, HDPE DR-11 CLASS 160, WATER, 8.0"	LF	165
41		UTILITY PIPE, REMOVE & DISPOSE, 8.0"	LF	160
42		UTILITY FIXTURES, F&I, 8.0", GATE VALVE ASSEMBLY	EA	2
		DISCRETIONARY WORK (WATERMAIN)		

43	UTILITY PIPE, DIRECTIONAL BORE, HDPE DR-11 CLASS 160, SEWER, 4.0"	LF	195
44	UTILITY PIPE, REMOVE & DISPOSE, 4.0"	LF	198
45	UTILITY FIXTURES, F&I, 4.0", PLUG VALVE ASSEMBLY	EA	2
	DISCRETIONARY WORK (SANITARY SEWER)		

PAY ITEM NOTES:

- 110-1-1 CLEARING AND GRUBBING SHALL INCLUDE THE COST OF REMOVAL AND DISPOSAL OF THE EXISTING ASPHALT PAVEMENT, GUARDRAIL, CONCRETE POST AND TREES. THIS PAY ITEM ALSO INCLUDES THE SELECTIVE CLEARING OF EXOTIC AND NUISANCE SPECIES IDENTIFIED BY THE ENGINEER.
- REMOVAL OF EXISTING STRUCTURES SHALL INCLUDE THE COST OF REMOVAL AND DISPOSAL OF THE EXISTING CONCRETE BRIDGE, INCLUDING BUT NOT LIMITED TO PILES, ABUTMENTS, RETAINING WALLS AND RIP RAP.
- 334-1-11 TYPE SP-9.5 (TRAFFIC LEVEL A) CAN BE SUBSTITUTED AT NO ADDITIONAL COST.
- 450-3-25 PRESTRESSED SLAB UNITS SHALL INCLUDE THE COST OF THE POST TENSIONING SYSTEM AND THE NON-SHRINK GROUT REQUIRED FOR ASSEMBLY.
- 455-14-3 PRECAST CONCRETE SHEET PILE SHALL INCLUDE ALL LABOR AND MATERIALS, 455-14-5 INCLUDING FILTER CLOTH & PRESSURE GROUTING AS SHOWN IN THE PLANS.
- 455-143-5 TEST PILES (24" SQ) WILL BE PAID FOR BASED ON THE LENGTH OF PILING FURNISHED AND DRIVEN. THE COUNTY WILL INCUR THE COST OF THE PDA TESTING REQUIRED TO DEVELOP THE DRIVING CRITERIA. ANY REQUIRED PILE SPLICES SHALL BE INCIDENTAL.
- 530-3-3 RIPRAP-RUBBLE (BANK AND SHORE) SHALL INCLUDE THE COST TO FURNISH AND INSTALL FILTER FABRIC.
- 536-1-1 GUARDRAIL SHALL INCLUDE ALL LABOR AND MATERIALS, INCLUDING SPECIAL GUARDRAIL POSTS & END SHOES AS REQUIRED TO INSTALL THE GUARDRAIL 536-85-24 AS SHOWN IN THE PLANS. 536-85-25



PREPARED BY:



WADETRIM 1

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Certificate of Authorization No. 3962

BOULEVARD BRIDGI MCLEWIS BAYOU BRIDGE NO. 134019 ATEE COUNTY . FLORIDA SY OF QUANTITIES

SUMMARY

REVISION DATE

BY DATE

SURVEYED ZNS 3/01

DESIGNED RRB 7/09

DRAWN YL 7/09

CHECKED LSM 7/09

SEAL

ROBERT R. BREEN, PE No.61064

SHEET 2 OF 14

GENERAL NOTES

- 1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, UTILITIES, AND EXISTING CONDITIONS BEFORE STARTING WORK. THE CONTRACTOR SHALL BRING ANY DISCREPANCIES TO THE ATTENTION OF THE ENGINEER PRIOR TO CONSTRUCTION
- 2. CONSTRUCTION DEBRIS SHALL BE KEPT OUT OF THE CHANNEL AT ALL

EROSION CONTROL

- THE CONTRACTOR SHALL CONTROL EROSION IN ACCORDANCE WITH PERMIT REQUIREMENTS. THE CONTRACTORS EROSION CONTROL SHALL INCLUDE, BUT NOT BE LIMITED TO THE USE OF FLOATING TURBIDITY BARRIER, STAKED SILT FENCE AND SYNTHETIC BALES.
- 2. THE CONTRACTOR SHALL PERFORM DAILY SITE INSPECTIONS FOR ANY POTENTIAL EROSION PROBLEMS. IF ANY POTENTIAL EROSION PROBLEMS ARE ENCOUNTERED OR HAVE OCCURED, THE CONTRACTOR SHALL INSTALL PROPER EROSION CONTROL MEASURES IMMEDIATELY.

MAINTENANCE OF TRAFFIC

- MAINTENANCE AND PROTECTION OF TRAFFIC CONTROL SHALL CONFORM TO FDOT "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AND "DESIGN STANDARDS" DATED 2008 (600 SERIES), AS A MINIMUM.
- 2. THE CONTRACTOR SHALL OBTAIN A RIGHT OF WAY USE PERMIT FROM THE COUNTY PRIOR TO ALL ROAD CLOSURE.
- 3. THE CONTRACTOR SHALL NOTIFY ALL EMERGENCY AND RESCUE AGENCIES LOCATED IN THE PROJECT VICINITY TWO WEEKS IN ADVANCE OF ANY ROAD AND/OR WATERWAY CLOSURES OR
- 4. ALL EXISTING MANATEE COUNTY SIGNS THAT CONFLICT WITH CONSTRUCTION OPERATIONS SHALL BE REMOVED, STOCKPILED AND REINSTALLED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL MAINTAIN BOAT TRAFFIC. THE BRIDGE SHALL ONLY REMAIN CLOSED MONDAY FRIDAY BETWEEN THE HOURS OF 7 AM 4PM. THE BRIDGE SHALL BE OPEN TO BOAT TRAFFIC AT ALL OTHER TIMES AND 24 HRS ON WEEKENDS.

 IF IT IS NECESSARY TO CLOSE THE BAYOU, THE CONTRACTOR SHALL

 NOTIFY THE COUNTY AND PLACE DOOR HANGERS ON ALL AFFECTED

 PARTIES SOUTH OF THE BRIDGE SEVEN DAYS PRIOR TO CLOSURE.

STRUCTURAL SPECIFICATIONS & DESIGN CRITERIA

STANDARD SPECIFICATIONS:

FLORIDA DEPARTMENT OF TRANSPORTATION, "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", 2007 EDITION, AND SUPPLEMENT THERETO, WITH MODIFICATIONS AS CONTAINED HEREIN. WHEREVER IN THE STANDARD SPECIFICATIONS THE TERM SECRETARY OR DIRECTOR OF ENGINEERING IS USED, THE MEANING SHALL BE THE COUNTY ENGINEER OR HIS APPOINTED REPRESENTATIVE.

THE FOLLOWING FLORIDA DEPARTMENT OF TRANSPORTATION "DESIGN STANDARDS", 2008 EDITION, SHALL BE REFERRED TO AND FOLLOWED ACCORDINGLY:

TRAFFIC RAILING-32" F SHAPE (INDEX No. 420) NOTES AND DETAILS FOR PRECAST CONCRETE SHEET PILES (INDEX No. 20400) PRECAST CONCRETE SHEET PILE TYPE "A"-10 INCH THICK (INDEX No. 20410) PRECAST CONCRETE SHEET PILE TYPE "B"-VARIABLE ANGLE CORNER PILE (INDEX No. 20430) NOTES AND DETAILS FOR PRESTRESSED CONCRETE PILES (INDEX No. 20600) SQUARE PRESTRESSED CONCRETE PILE SPLICES (INDEX No. 20601) 24" SQUARE PRESTRESSED CONCRETE PILE (INDEX No. 20624) APPROACH SLABS (RIGID PAVEMENT APPROACHES) (INDEX No. 20910) STANDARD BAR BENDING DETAILS (INDEX No. 21300)

DESIGN VEHICLE:

FOUNDATION:

FOUNDATION DESIGN IS BASED UPON SUBSURFACE SOILS INVESTIGATION. PROJECT NO 387-15026, DATED APRIL 11, 2001, BY P.S.I. THE PILING SHALL BE INSTALLED ACCORDING TO THIS REPORT AND SECTION 455-7 OF THE F.D.O.T. STANDARD SPECIFICATIONS. PILE DRIVING ANALIZER SHALL BE USED TO DETERMINE THE PILE CAP. THE COUNTY WILL PROVIDE MONITORING.

PILE DESIGN CAPACITIES:

24" SQUARE PRESTRESSED PILES SHALL BE DRIVEN TO ACHIEVE THE FOLLOWING MINIMUM CAPACITIES: VERTICAL: 80 TONS LATERAL: 4 TONS

HL-93

REINFORCING STEEL:

REINFORCING STEEL SHALL CONFORM TO ASTM 615, GRADE 60.

PRESTRESSED PILES:

THE PILES SHALL BE 24" SQUARE AND DRIVEN TO A MINIMUM TIP DEPTH OF APPROXIMATELY 20 FT. THE PILES SHALL ALSO CONFORM TO ALL FDOT SPECIFICATIONS FOR 24" SQUARE PRE-STRESSED PILING.

PRECAST PRESTRESSED FLAT SLABS: THE PRECAST PRESTRESSED FLAT SLAB UNITS SHALL BE IN ACCORDANCE WITH SECTION 450 OF THE F.D.O.T 2007 SPECIFICATIONS.

CONCRETE:

CONCRETE SHALL BE IN ACCORDANCE WITH SECTION 346 OF THE F.D.O.T. 2007 SPECIFICATIONS.

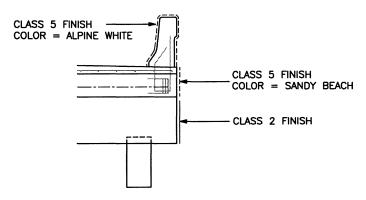
CLASS	LOCATION COMPR	MINIMUM 28 DAY RESSION STRENGTH (PSI)
IV	PRESTRESSED FLAT SLABS	5500
IV	CAST-IN-PLACE (SUPERSTRUCTURE)	5500
IV	CAST-IN-PLACE (SUBSTRUCTURE)	5500
V	PRESTRESSED PILES	6000
H	BARRIFR RAII	3400

FINISHES:

SHEET PILE AND PILE CAPS SHALL RECEIVE A CLASS 2 APPLIED FINISH.

PARAPET BARRIER, WING POSTS AND DECK EDGE SHALL RECEIVE AN ALGAE RESISTANT CLASS 5 APPLIED FINISH AS MANUFACTURED BY THORO OR AN APPROVED EQUAL

APPROACH SLABS SHALL RECEIVE A CLASS 4 APPLIED FINISH.



SURFACE FINISH DETAIL

THE COST TO APPLY THE CLASS 2 FINISH SHALL BE INCIDENTAL TO PAY ITEM 400-4-5

SUBMITTALS:

CONTRACTOR SHALL SUBMIT THE FOLLOWING SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL:

- CONCRETE MIX DESIGNS
- CLASS 5 FINISH SHEET PILES
- APPROACH SLABS
 PRECAST PRESTRESSED FLAT SLABS
 FM & WM PIPE AND FITTINGS

BEFORE/ DURING /AFTER COMPLETION OF THE WORK, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER, FOUR (4) SETS OF "AS-BUILT" PLANS CERTIFIED BY AN ENGINEER OR LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA.THE DRAWINGS SHALL INCLUDE CROSS SECTIONS OF Mc LEWIS BAYOU EXTENDING 50 FEET UP STREAM AND DOWN STREAM OF THE BRIDGE. CROSS SECTIONS SHALL BE TAKEN AT 25 FOOT INTERVALS.

CONSTRUCTION:

ALL SHEET PILE JOINTS AND WEEP HOLES SHALL BE BACKED WITH FILTER CLOTH.

GUARDRAIL CONSTRUCTION SHALL CONFORM TO INDEX 400 OF THE FLORIDA DEPARTMENT OF TRANSPORTATION'S "DESIGN STANDARDS", 2008 EDITION AND SUPPLEMENTS THERETO.

ALL IRRIGATIONS SYSTEMS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

THE CONTRACTOR SHALL PLACE SOD OVER ALL DAMAGED OR IMPROVED AREAS AFFECTED BY THE WORK. THE SOD SHALL MATCH THE TYPE OF SURROUNDING GRASS TO THE GREASTEST EXTENT POSSIBLE.

CORID

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WADET RIM

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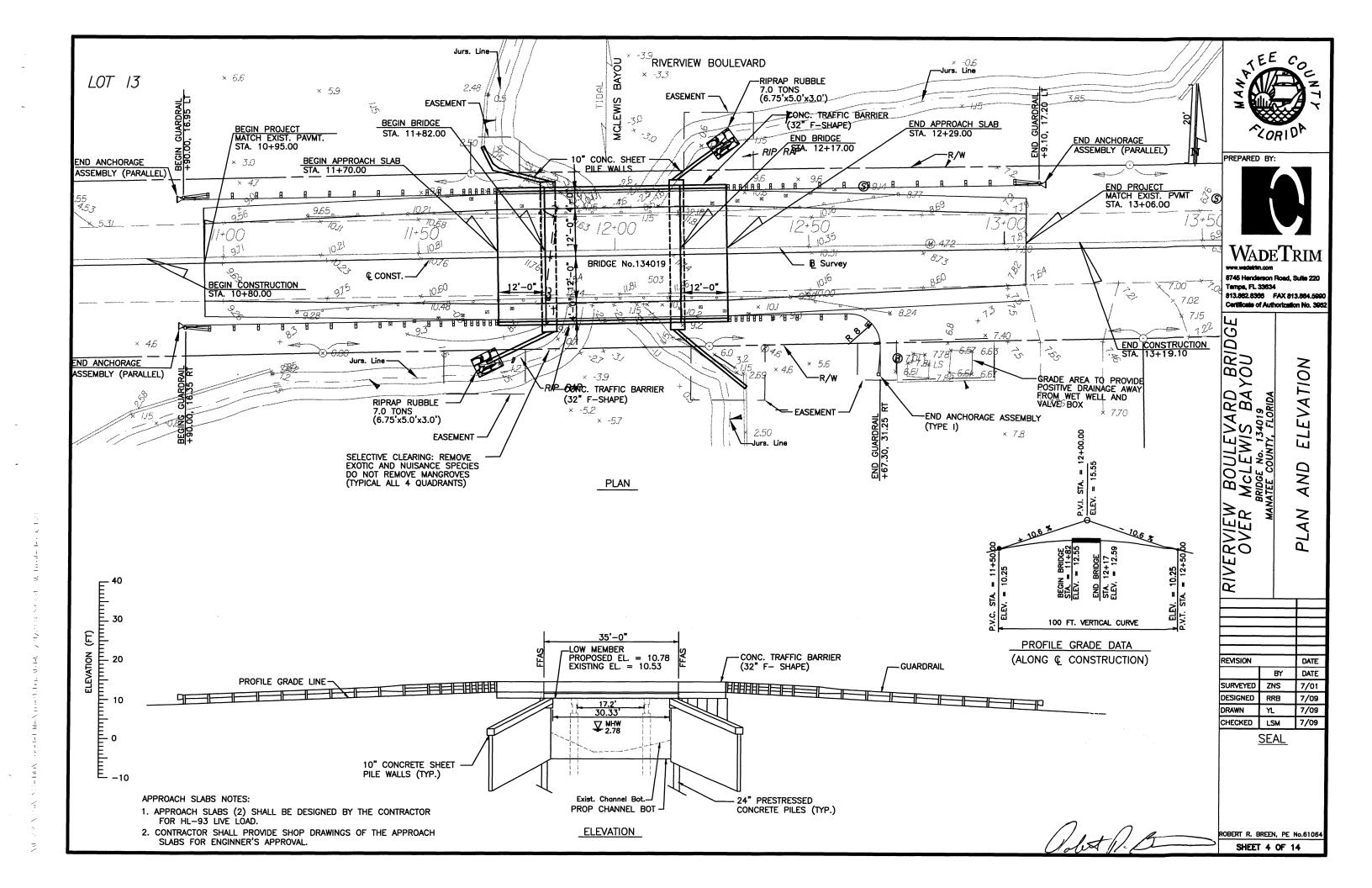
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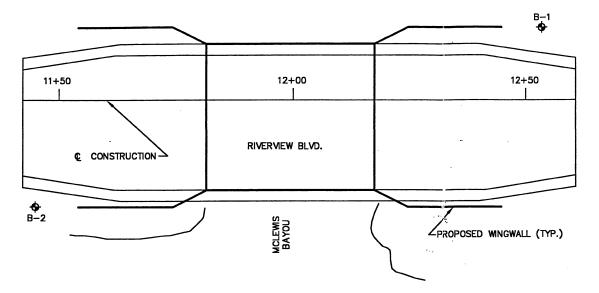
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SEAL

ROBERT & BREEN, PE No.61064

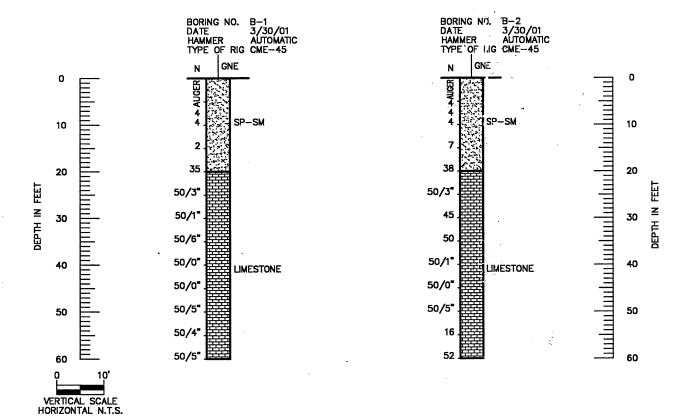
SHEET 3 OF 14





BORING LOCATION PLAN





LEGEND

(SP-SM), GRAY AND BROWN SLIGHTLY SILTY FINE SAND WITH SHELL INTERMIXED

(LIMESTONE), GRAY INDURATED SILTY CLAY TO CLAYEY SILT, WEATHERED LIMESTONE

NOTES:

- WATER TABLE
- NUMBERS TO THE LEFT OF BORINGS INDICATE
 N SPT VALUE FOR 12" PENETRATION.
 (UNLESS OTHERWISE NOTED.)
- APPROXIMATE SPT BORING LOCATION

50/6" FIFTY BLOWS FOR SIX INCHES

ENVIRONMENTAL CLASSIFICATION

SUBSTRUCTURE: MODERATELY AGGRESSIVE

SOIL

RESISTIVITY: 1600 OHMS—CM CHLORIDES: < 80 PPM SULFATES: < 288 PPM pH: 7.21

GRANULAR MATERIALS—	SPT
RELATIVE DENSITY	(BLOWS/FT.)
VERY LOOSE	LESS THAN 4
LOOSE	5–10
MEDIUM	11–30
DENSE	31–50
VERY DENSE	GREATER THAN 50
SILTS AND CLAYS	SPT
CONSISTENCY	(BLOWS/FT.)
VERY SOFT	LESS THAN 2

	Date	Name			S	VISION	RE		
_	4/01	KM	Drawn by	Description	Ву	Date	Description	Ву	Date
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PROFESSIONAL SERVICE INDUSTRIES, INC. 5801 BENJAMIN CENTER DR., SUITE 112 TAMPA, FL. 33634 (813)-886-1075

FLORIDA ENGINEERING CERTIFICATE
OF AUTHORIZATION No. 3684

=			IDA DEPARTMI			SHEET TITLE REPORT	OF	CORE	BORING	GS	SHEET NO.
		STR	UCTURES	DESIGN	OFFICE	PROJECT NAME:					
ROAD NO.	COUNTY			FINANCIAL	PROJECT ID.	 RIVERVIEW	ם אווי בי	VADD DDI	DOF NO 13	4019	5
_	MANATEE				_	KIVEKVIEW	BOULE	TAND DRI	DGL 110. 13	70.0)

SHEET PILE

TYPE

2'-6"

2'-6"

2'-6"

CORNER

LOCATION

EB-1

EB-2

LENGTH

FT

15

10

20

TEST PILE TABLE

NUMBER

2

NUMBER

28

19

15

5

LENGTH

FT

35

35





BRIDGE

DATE DATE 7/01 7/09 7/09

TEST PILE NEW PILE

LEGEND

PREPARED BY:

WADETRIM

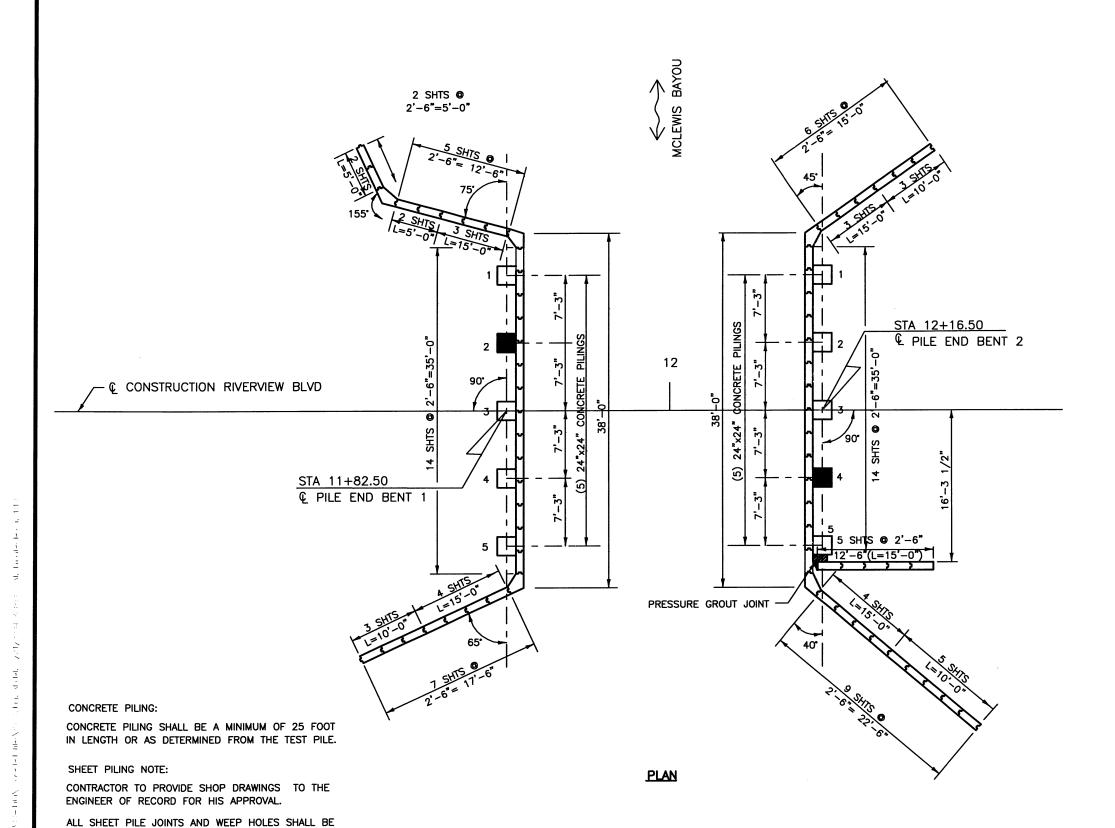
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LAYOUT FOUNDATION

REVISION SURVEYED ZNS DESIGNED RRB CHECKED LSM 7/09

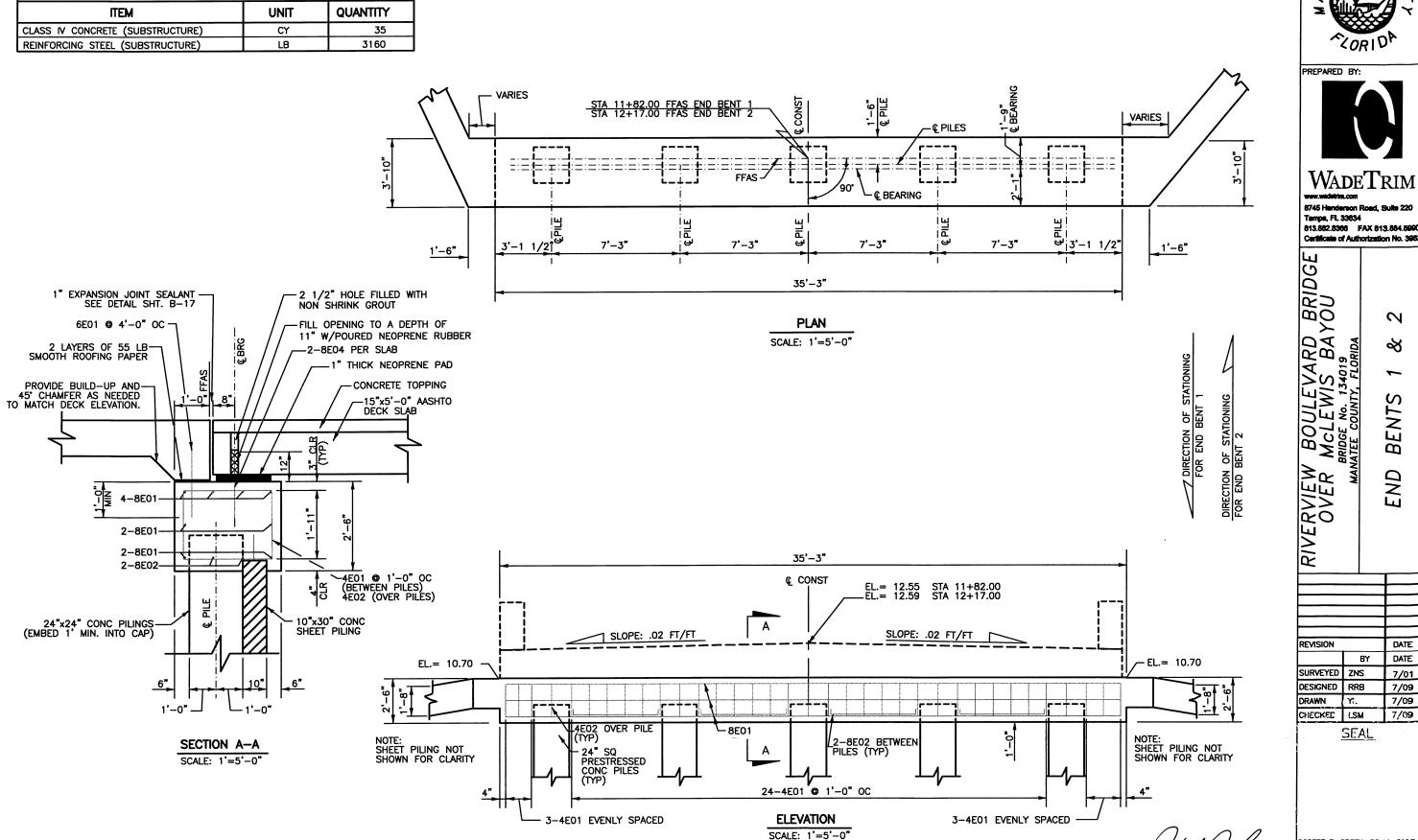
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BERT R. BREEN, PE No.61064 SHEET 6 OF 14



BACKED WITH FILTER CLOTH.

ESTIMATED QUANTITIES					
ПЕМ	UNIT	QUANTITY			
CLASS IV CONCRETE (SUBSTRUCTURE)	CY	35			
REINFORCING STEEL (SUBSTRUCTURE)	LB	3160			





813.882.8366 FAX 813.884.5990

REVISION		DATE
	BY	DATE
SURVEYED	ZNS	7/01
DESIGNED	RRB	7/09
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CHECKED	LSM :	7/09
	SEAL	

ROBERT R. BREEN, PE No.61064 SHEET 7 OF 14

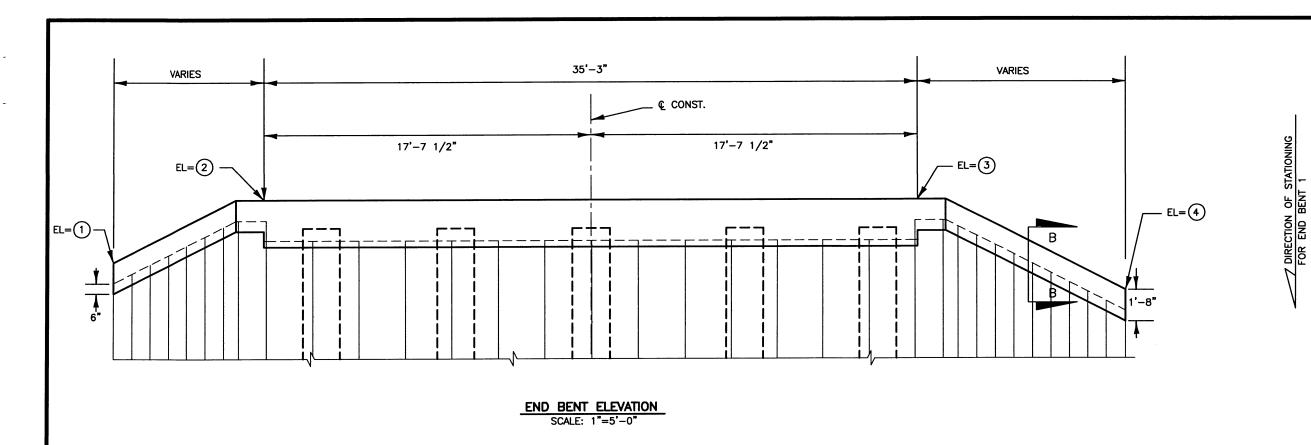
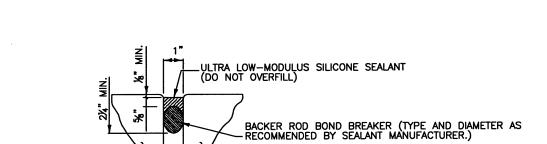
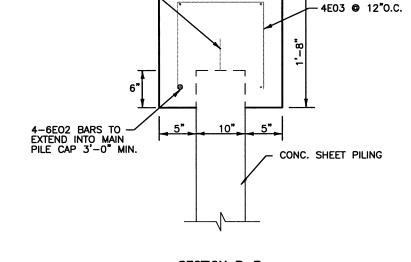


TABLE OF ELEVATIONS							
END BENT NO.	1	2	3	4			
1	2.60	10.70	10.70	2.50			
2	2.50	10.70	10.70	2.69			



EXPANSION JOINT DETAIL N.T.S.

BRIDGE DECK OR APPROACH SLAB



_3" COVER (TYP.)

BARS "A" TO EXTEND 7" INTO CAP SEE INDEX No. 20410

SCALE: 1"=1'-3"

JEE COL ~ZORIDA

PREPARED BY:

DIRECTION OF STATIONIN FOR END BENT 2



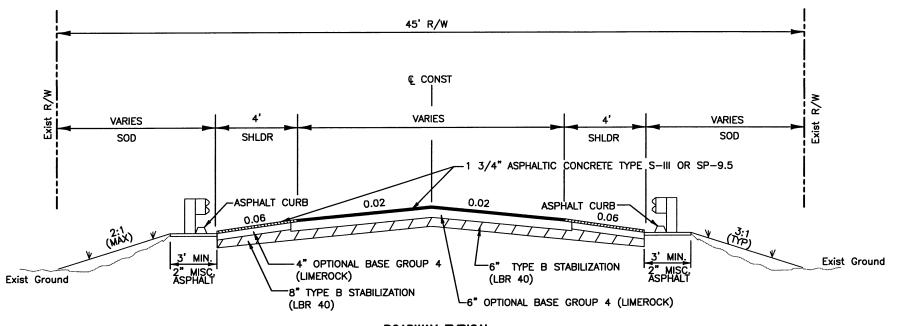
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W BOULEVARD BRIDGE R MCLEWIS BAYOU BRIDGE NO. 134019 MANATEE COUNTY, FLORIDA **DETAIL**: BENTS RIVERVIEW OVER END

REVISION DATE DATE BY SURVEYED ZNS 7/01 7/09 DESIGNED RRB 7/09 DRAWN 7/09 CHECKED LSM SEAL

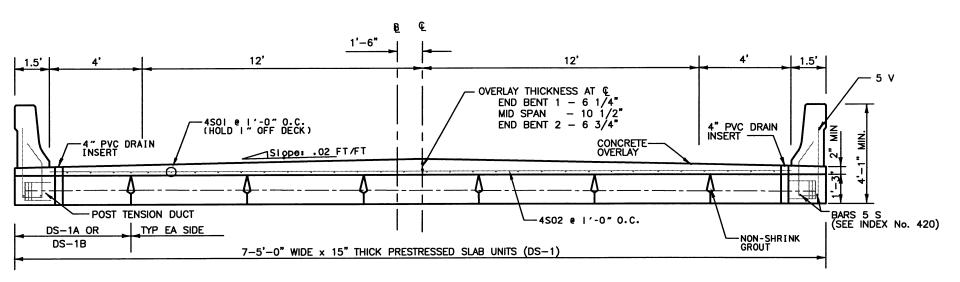
ROBERT R. BREEN, PE No.61064

SHEET 8 OF 14



ROADWAY TYPICAL

STA 10+95.00 TO STA 11+70.00
STA 12+29.00 TO STA 13+06.00



BRIDGE TYPICAL (LOOKING UP STATION)

ESTIMATED QUANTITIES					
ITEM	UNIT	QUANTITY			
CLASS IV CONCRETE (SUPERSTRUCTURE)	CY	25			
REINFORCING STEEL (SUPERSTRUCTURE)	LB	1505			

SUPERSTRUCTURE NOTES:

- 1. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR THE PRESTRESSED SLAB UNITS AND POST TENSION SYSTEM TO THE ENGINEER OF RECORD FOR HIS APPROVAL.
- 2. A VARIABLE DEPTH CONCRETE OVERLAY SHALL BE PLACED ON TOP OF THE PRESTRESSED SLAB UNITS.

TEE COUNTY

VORIDA

PREPARED BY:



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RIVERVIEW BOULEVARD BRIDGE OVER MCLEWIS BAYOU BRIDGE NO. 134019 MANATEE COUNTY, FLORIDA TYPICAL SECTIONS

REVISION DATE

BY DATE

SURVEYED ZNS 7/01

DESIGNED RRB 7/09

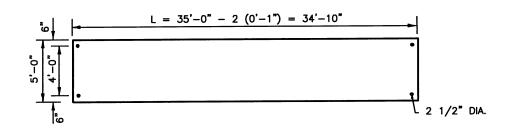
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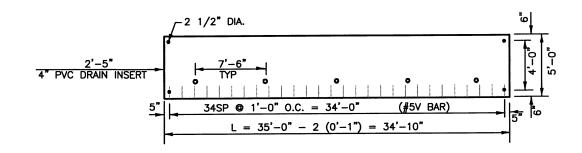
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SHEET 9 OF 14



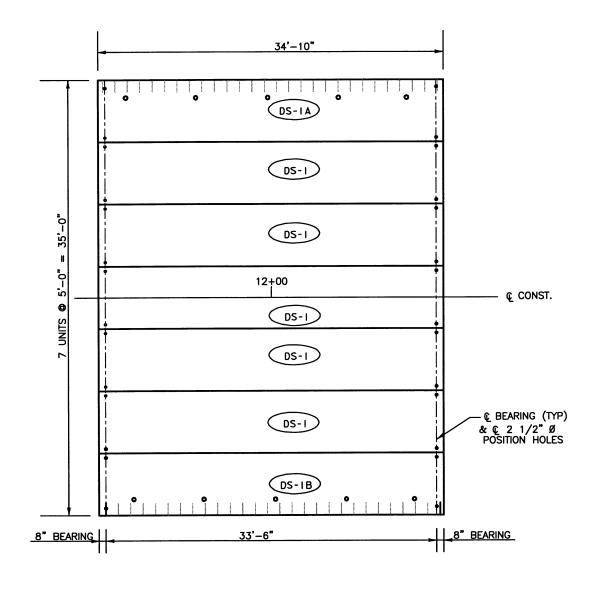
(5) REQUIRED MK DS-1



(1) REQUIRED MK DS-1B

DECK SLAB NOTES

- 1. DECK SLAB SHALL BE DESIGNED BY THE CONTRACTOR FOR HL-93 LIVE LOAD, FUTURE WEARING SURFACE (15 LB/SF) AND ALL DEAD LOADS AS SHOWN IN THE PLANS.
- 2. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS OF THE DECK SLAB UNITS FOR THE ENGINEERS APPROVAL.
- 3. 5V BARS SHALL BE OF SUFFICIENT LENGTH TO ACCOMODATE THE
- 4. THE COST OF (28) BEARING PADS, POURED NEOPRENE RUBBER AND 70 LF OF EXPANSION JOINT SEALANT SHALL BE INCLUDED IN THE UNIT PRICE FOR PRESTRESSED SLAB UNITS.
- 5. THE BEARING PADS SHALL BE 1" THICK AND HAVE A HARDNESS OF 50 DUROMETER.





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/ARD BRIDGE S BAYOU 1019 FLORIDA PLAN FRAMING

REVISION DATE DATE BY SURVEYED ZNS 7/01 DESIGNED RRB 7/09 7/09 CHECKED LSM 7/09

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ROBERT R. BREEN, PE No.61064

SHEET 10 OF 14



PREPARED BY:



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VARD BRIDGE IS BAYOU 34019 FLORIDA

DATE DATE BY 07/01 RRE 07/09

TS17

BAR

REINFORCING

REVISION SURVEYED ZNS DESIGNED DRAWN C7/09 CHECKED LISM 97/09

SEAL

Note: All Steel this sheet shall be Grade 60.

ROBERT R. BREEN, PE No.61064
SHEET 11 OF 14

END BENT 1

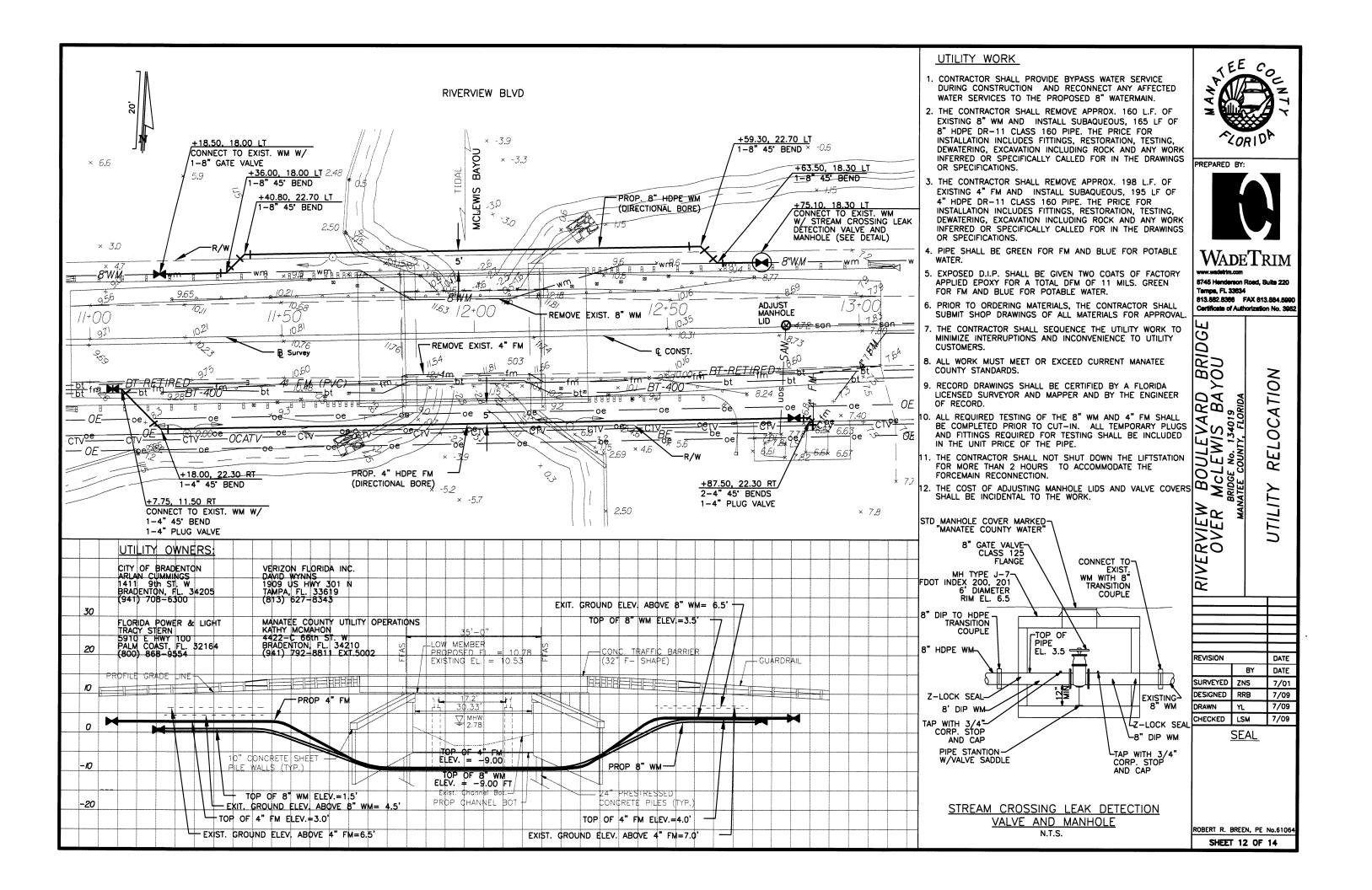
MARK		LENGTH	NO	TYP	STY	В		С	D	E	F	Н	J	K	N	0
SIZE	DESCR	FT IN	BARS	BAR	A G	FT IN	FR	FT IN	FT IN	NO	ANG					
4	4E01	11 3	30	4	4.5	1 11		3 4								
4	4E02	7 2	5	11		3 4		1 11	1 11							
4	4E03	25 0	8	1		25 0										
6	6EO1	2 0	9	1		2 0										
6	6E02	3 6	39	11		1 2		1 2	1 2							
8	8E01	34 7	8	1		34 7										
8	8E02	7 1	8	11		5 1		1 0	1 0							
8	8E04	2 0	14	1		2 0										

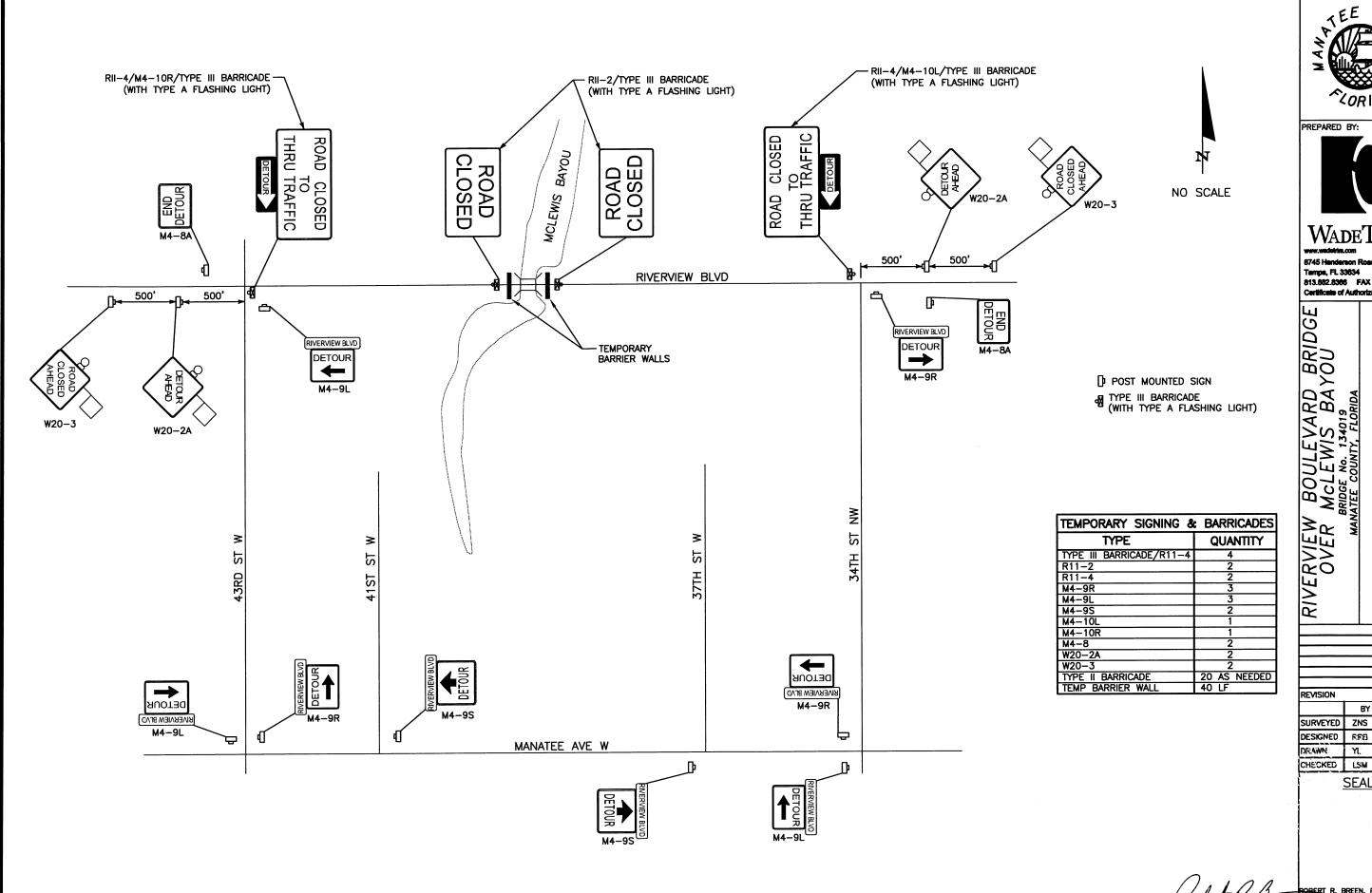
END BENT 2

MARK		LENGTH	NO	TYP	STY		В			С			D			Ε			F			Н			J		K	N	0
SIZE	DESCR	FT IN	BARS	BAR	A G	FT	IN	FR	FT	IN	FR	FT	IN	FR	FT	IN	FR	FT	IN	FR	FT	IN	FR	FI	- IN	FT	IN	NO	ANG
4	4E01	11 3	30	4	4.5	1	11		3	4	1																		
4	4E02	7 2	5	11		3	4		1	11		1	1 :	1															
4	4E03	25 C	8	1		25	0																						
6	6E01	2 0	9	1		2	0																						
6	6E02	3 6	39	11		1	2		1	2	?	1	2	2															
8	8E01	34 7	8	1		34	7																						
8	8E02	7 1	8	11		5	1		1	0)	1	()															
8	8E04	2 0	14	1		2	0																						

SUPERSTRUCTURE

M	ARK	LENGTH	NO	TYP	STY		В		С			D			Ε			F			Н				J	K		N	0
SIZE	DESCR	FT IN	BARS	BAR	A G	FT	IN	FR	FT	IN	FT	IN	NO	ANG															
4	4501	34 4	33	1		34	4																						
4	4502	32 C	35	1		32	0																						
				1								Γ																	









WADETRIM

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Certificate of Authorization No. 3952

PLAN DETOUR

DATE DATE BY 7/01 RED 7/09 7/09 YI. 7/09 LSM

SEAL

OBERT R. BREEN, PE No.61064 SHEET 14 OF 14