



**BID ITEM NOTES:**

PAYMENT FOR INCIDENTAL ITEMS NOT SPECIFICALLY COVERED IN THE INDIVIDUAL BID ITEMS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE BID ITEMS.

FOR PAY ITEM QUANTITIES, SEE SHEET B-3 SUMMARY OF QUANTITIES.

THE DIMENSIONS, DETAILS, ETC. SHOWN IN THESE PLANS ARE BASED ON THE ORIGINAL CONSTRUCTION PLANS. THE CONTRACTOR SHALL VERIFY DIMENSIONS, DETAILS ETC. IN THE FIELD AS NECESSARY BEFORE ORDERING MATERIALS OR BEGINNING WORK.

**GENERAL SPECIFICATIONS:**

THE GENERAL SPECIFICATIONS FOR THIS PROJECT ARE DESCRIBED AND ARE IN ACCORDANCE WITH THE ESCAMBIA COUNTY FLORIDA PUBLIC WORKS DEPARTMENT - ENGINEERING DIVISION GENERAL PAVING AND DRAINAGE TECHNICAL SPECIFICATIONS, LATEST EDITION, ESCAMBIA COUNTY BRIDGE, DOCK, AND BOAT RAMP SPECIFICATION GUIDE, LATEST EDITION, AND FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 2013 EDITION, WITH ALL THE LATEST ADDITIONS AND AMENDMENTS UNLESS OTHERWISE SPECIFIED.

**CONTROL OF WORK:**

THE CONTRACTOR SHALL AT ALL TIMES PROVIDE THE ENGINEER PROPER ACCESS FOR HIS "HANDS-ON" INSPECTION OF THE PROJECT.

**CONSTRUCTION SCHEDULE:**

THE CONTRACTOR SHALL SUBMIT A CONSTRUCTION SCHEDULE TO THE ENGINEER FOR APPROVAL.

**UTILITIES:**

UTILITY LOCATIONS SHOWN ON PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL DETERMINE UTILITY LOCATIONS IN THE FIELD BY CONTACTING THE UTILITY COMPANIES INVOLVED. NOTIFICATION BY CALLING THE SUNSHINE STATE ONE CALL SYSTEM AT 811 OR 1-800-242-1776 WILL BE REQUIRED.

THE CONTRACTOR SHALL NOTIFY EACH INDIVIDUAL UTILITY OWNER OF HIS PLAN OF OPERATION IN THE AREA OF UTILITIES PRIOR TO COMMENCING WORK.

THE CONTRACTOR SHALL CONTACT THE UTILITY OWNERS AND REQUEST THEM TO PROPERLY LOCATE THEIR RESPECTIVE UTILITIES ON THE GROUND. THIS NOTIFICATION SHALL BE GIVEN AT LEAST THREE (3) BUSINESS DAYS PRIOR TO COMMENCEMENT OF OPERATIONS AROUND THE UTILITY.

**ESTIMATION OF QUANTITIES:**

AN ESTIMATION OF QUANTITIES OF WORK TO BE PERFORMED AND MATERIALS TO BE FURNISHED UNDER THESE SPECIFICATIONS IS GIVEN IN THE PROPOSAL.

THE QUANTITIES ARE GIVEN ONLY AS A BASIS OF COMPARISON OF PROPOSALS AND THE AWARD OF THE CONTRACT. THE CONTRACTOR SHALL UNDERSTAND THAT THE QUANTITIES MAY BE INCREASED OR DECREASED AND PAYMENT TO THE CONTRACTOR WILL BE MADE ONLY FOR THE ACTUAL QUANTITIES OF WORK PERFORMED OR MATERIALS FURNISHED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.

THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND DEFICIENCIES AND SUBMIT A REPORT TO THE RESIDENT PROJECT REPRESENTATIVE FOR APPROVAL BEFORE WORK IS PERFORMED.

THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER FOR APPROVAL, THE DETAILS FOR THE SCOUR COUNTERMEASURES WORK ON THE BRIDGE STRUCTURE PRIOR TO THE NOTICE-TO-PROCEED BEING ISSUED.

**MAINTENANCE OF TRAFFIC:**

**ROADWAY**

MAINTENANCE OF TRAFFIC SHALL CONFORM TO THE MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION AND THE ESCAMBIA COUNTY GUIDELINES FOR MAINTENANCE OF TRAFFIC, LATEST EDITION.

THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER FOR APPROVAL, A TRAFFIC CONTROL PLAN FOR THE DURATION OF THE PROJECT PRIOR TO COMMENCING WORK.

MAINTENANCE OF TRAFFIC, INCLUDING ALL PERSONNEL, EQUIPMENT, SIGNS, MATERIALS, AND LABOR REQUIRED TO FURNISH PROPER TRAFFIC CONTROL THROUGHOUT THE DURATION OF THE WORK, SHALL BE PAID FOR UNDER MAINTENANCE OF TRAFFIC - PER LUMP SUM.

TEMPORARY CHANGEABLE MESSAGE SIGNS WILL BE REQUIRED AT AN APPROPRIATE DISTANCE OF THE BRIDGE ENDS. THESE SIGNS SHALL BE PAID FOR SEPARATE FROM MAINTENANCE OF TRAFFIC. THE BRIDGE OWNER WILL DETERMINE MESSAGE TO BE DISPLAYED. THE SIGNS SHALL BE DISPLAYED NO LESS THAN 7 DAYS PRIOR TO COMMENCEMENT OF WORK/CLOSURE. NO CLOSURES SHALL BEGIN ON MONDAY.

**LANE CLOSURE:**

NO LESS THAN SEVEN (7) DAYS PRIOR TO THE CLOSURE OF A LANE, THE CONTRACTOR SHALL NOTIFY THE FOLLOWING INDIVIDUALS OR AGENCIES COMPLETELY DESCRIBING THE AFFECTED ROADS AND THE APPROXIMATE DURATION OF THE CONSTRUCTION: THESE PARTIES INCLUDE, BUT ARE NOT LIMITED TO:

- (1) LOCAL LAW ENFORCEMENT OFFICE
- (2) LOCAL FIRE DEPARTMENT
- (3) AMBULANCE SERVICE
- (4) LOCAL SCHOOL SUPERINTENDENT
- (5) UNITED STATES POSTAL SERVICE
- (6) LOCAL ROAD SUPERINTENDENT
- (7) WCOA RADIO - TEL: 478-6011; FAX: 478-3971
- (8) PENSACOLA NEW JOURNAL  
TEL: 435-8500; FAX: 435-8633  
EMAIL: news@pensacolanejournal.com
- (9) ESCAMBIA COUNTY EMERGENCY MANAGEMENT  
TEL: 471-6315; FAX: 471-6322  
EMAIL: bob.boschen@co.escambia.fl.us
- (10) ESCAMBIA COUNTY ENGINEERING TEL: 595-3440
- (11) ESCAMBIA COUNTY SHERIFF  
TEL: 436-9630; FAX: 436-9128  
EMAIL: traffic@escambiaso.com
- (12) FLORIDA HIGHWAY PATROL  
TEL: 484-5000; FAX: 393-3405  
EMAIL: stevepreston@flhsmv.gov
- (13) ESCAMBIA COUNTY SCHOOL DISTRICT  
TEL: 469-5591; FAX: 469-5661  
EMAIL: transportation@escambia.k12.fl.us and rdoss@escambia.k12.fl.us
- (14) ESCAMBIA COUNTY ADMINISTRATION  
TEL: 595-4900; FAX: 595-4908  
EMAIL: Cheryl.Lively@co.escambia.fl.us
- (15) ESCAMBIA COUNTY AREA TRANSIT  
TEL: 595-3228; FAX: 595-3222  
EMAIL: Ted.Woolcock@co.escambia.fl.us
- (16) Santa Rosa County Emergency Management  
TEL: 983-5630; FAX: 983-5352  
EMAIL: Emergency-Management@santarosa.fl.gov
- (17) Santa Rosa County Engineering  
TEL: 981-7100; FAX: 983-2161  
EMAIL: RogerB@santarosa.fl.gov
- (18) Santa Rosa County Sheriff  
TEL: 983-1216; FAX: 983-1121  
EMAIL: whall@srsos.net
- (19) Santa Rosa County School District  
TEL: 983-5000; FAX: 983-5011  
EMAIL: wyrosdickt@mail.santarosa.k12.fl.us
- (20) Santa Rosa County Administration  
TEL: 983-1877; FAX: 983-1856  
EMAIL: HunterW@santarosa.fl.gov
- (21) Santa Rosa County Area Transit  
TEL: 981-7082; FAX: 983-9874  
EMAIL: Shawnw@santarosa.fl.gov

THE PROJECT SHALL BE ACCOMPLISHED WITHOUT REDUCTION TO THE USABLE ROADWAY WIDTH OF CR 184 UNLESS APPROVED BY ENGINEER. IN ANY EVENT, THE CONTRACTOR SHALL MAINTAIN TRAFFIC IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS. FOR GENERAL TRAFFIC CONTROL ZONE REQUIREMENTS AND ADDITIONAL INFORMATION, REFER TO FLORIDA STANDARD INDEX NO. 600.

**MARINE:**

TRAFFIC THROUGH THE CHANNEL SHALL BE MAINTAINED THROUGHOUT THE PROJECT. LIMITED STOPPAGE OF TRAFFIC SHALL BE PRE-APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL NOTIFY THE U.S. COAST GUARD PRIOR TO BEGINNING ANY WORK THAT REQUIRES RESTRICTION OF THE MARINE CHANNEL. MAINTENANCE OF TRAFFIC SHALL BE LUMP SUM AND SHALL INCLUDE ANY TEMPORARY NAVIGATION OR GENERAL LIGHTING AND SIGNAGE REQUIRED BY THE U.S. COAST GUARD DURING THE PROJECT.

**CONSTRUCTION WORK ZONE & TRAFFIC CONTROL NOTES:**

IF THE CONTRACTOR MOVES OFF THE PROJECT, HE SHALL COVER OR REMOVE ALL UNNEEDED SIGNS AS DIRECTED BY THE ENGINEER. COST OF REMOVAL, COVERING, AND REINSTALLING SIGNS SHALL NOT BE MEASURED AND PAID FOR SEPARATELY, BUT ALL COSTS SHALL BE INCLUDED IN THE ORIGINAL UNIT PRICE BID FOR ITEM NO. 0102-1 (MAINTENANCE OF TRAFFIC)

A LONG TERM BUT SPORADICALLY USED WARNING SIGN, SUCH AS A FLAGGER SIGN, MAY REMAIN IN PLACE WHEN NOT REQUIRED PROVIDED THE SIGN FACE IS FULLY COVERED.

TRAFFIC CONTROL DEVICES SHALL NOT BE DISPLAYED OR ERECTED UNLESS RELATED CONDITIONS ARE PRESENT NECESSITATING WARNING.

USE OF BARRICADES, PORTABLE BARRIER RAILS, VERTICAL PANELS, AND DRUMS SHALL BE LIMITED TO THE IMMEDIATE AREAS OF CONSTRUCTION WHERE A HAZARD IS PRESENT. THESE DEVICES SHALL NOT BE STORED ALONG THE ROADWAY WITHIN THIRTY (30) FEET OF THE EDGE OF THE TRAVELED WAY BEFORE OR AFTER USE UNLESS PROTECTED BY GUARDRAIL, BRIDGE RAIL, AND/OR BARRIERS. THESE DEVICES SHALL BE REMOVED FROM THE CONSTRUCTION WORK ZONE WHEN THE ENGINEER DETERMINES THEY ARE NO LONGER NEEDED. WHERE THERE IS INSUFFICIENT RIGHT-OF-WAY TO PROVIDE FOR THIS THIRTY (30) FEET SETBACK, THE CONTRACTOR SHALL DETERMINE THE ALTERNATE LOCATIONS AND REQUEST THE ENGINEER'S APPROVAL TO USE THEM.

THE CONTRACTOR SHALL NOT BE PERMITTED TO PARK ANY VEHICLES OR CONSTRUCTION EQUIPMENT DURING PERIODS OF INACTIVITY, WITHIN THIRTY (30) FEET OF THE EDGE OF PAVEMENT WHEN THE LANE IS OPEN TO TRAFFIC, UNLESS PROTECTED BY GUARDRAIL, BRIDGE RAIL, AND/OR BARRIERS. PRIVATELY OWNED VEHICLES SHALL NOT BE ALLOWED TO BE PARKED WITHIN THIRTY (30) FEET OF AN OPEN TRAFFIC LANE AT ANY TIME UNLESS PROTECTED AS DESCRIBED ABOVE. WHERE THERE IS INSUFFICIENT RIGHT-OF-WAY TO PROVIDE FOR THIS THIRTY (30) FEET SETBACK, THE CONTRACTOR SHALL DETERMINE THE ALTERNATE LOCATIONS AND REQUEST THE ENGINEER'S APPROVAL TO USE THEM.

△ SHOULD THE BRIDGE REQUIRE CLOSURE THE CONTRACTOR SHALL PROVIDE ALL ASSOCIATED MAINTENANCE OF TRAFFIC INCLUDING ALONG THE DETOUR ROUTE.

ALL DETOUR AND CONSTRUCTION SIGNING SHALL BE NEW, DIAMOND GRADE FLOURESCENT SHEETING IN STRICT ACCORDANCE WITH STANDARD INDEX 600.

CONTRACTOR SHALL ATTAIN PERMISSION FROM SANTA ROSA COUNTY TO USE A PORTION OF THE QUINTETTE BOAT RAMP AS A LAY-DOWN YARD:  
STEPHEN FURMAN  
SANTAROSA COUNTY PUBLIC WORKS  
PHONE: 626-0191; FAX: 623-1331  
EMAIL: stephenf@santarosa.fl.gov

**MISCELLANEOUS:**

NOTHING IN THE GENERAL NOTES OR SPECIAL PROVISIONS SHALL RELIEVE THE CONTRACTOR FROM HIS/HER RESPONSIBILITIES TOWARD THE SAFETY AND CONVENIENCE OF THE GENERAL PUBLIC AND THE RESIDENTS ALONG THE PROPOSED CONSTRUCTION AREA.

ALL EXCAVATED SOIL, CRACKED/UN SOUND CONCRETE AND OVER POUR REMOVAL, AND DRIFT/DEBRIS SHALL BE HAULED FROM THE JOB SITE AND PLACED IN AN APPROVED UPLAND DISPOSAL SITE AS A SUBSIDIARY OF EXISTING PAY ITEMS.

BRIDGE OWNER SHALL BE RESPONSIBLE FOR ATTAINING AND MAINTAINING ALL PERMITS REQUIRED FOR SCOUR COUNTERMEASURE OPERATIONS RELATED TO THIS PROJECT.

**ENVIRONMENTAL NOTES:**

CONTRACTOR AND HIS/HER PERSONNEL SHALL BE AWARE OF THE PRESENCE OF MANATEES AND THEIR DEFINED HABITATS. THERE ARE CIVIL AND CRIMINAL PENALTIES FOR HARMING, HARASSING OR KILLING MANATEES, WHICH ARE PROTECTED UNDER THE MARINE MAMMAL PROTECTION ACT, THE ENDANGERED SPECIES ACT, AND THE FLORIDA MANATEE SANCTUARY ACT.

ALL VESSELS ASSOCIATED WITH THE CONSTRUCTION PROJECT SHALL OPERATE AT "IDLE SPEED/NO WAKE" AT ALL TIMES WHILE IN THE IMMEDIATE AREA AND WHILE IN WATER WHERE THE DRAFT OF THE VESSEL PROVIDES LESS THAN A FOUR FOOT CLEARANCE FROM THE BOTTOM. ALL VESSELS WILL FOLLOW ROUTES OF DEEP WATER WHENEVER POSSIBLE.

ALL ON-SITE PROJECT PERSONNEL ARE RESPONSIBLE FOR OBSERVING WATER-RELATED ACTIVITIES FOR THE PRESENCE OF MANATEE(S). ALL IN-WATER OPERATIONS, INCLUDING VESSELS, MUST BE SHUTDOWN IF A MANTEE(S) COMES WITHIN 50 FEET OF THE OPERATION. ACTIVITIES WILL NOT RESUME UNTIL THE MANATEE(S) HAS MOVED BEYOND THE 50 FOOT RADIUS OF THE PROJECT OPERATION, OR UNTIL 30 MINUTES ELAPSES IF THE MANATEE(S) HAS NOT REAPPEARED WITHIN 50 FEET OF THE OPERATION. ANIMALS MUST NOT BE HERDED AWAY OR HARASSED INTO LEAVING.

ANY COLLISION WITH OR INJURY TO A MANATEE SHALL BE REPORTED IMMEDIATELY TO THE FWC HOTLINE AT 1-800-404-FWCC. COLLISION AND/OR INJURY SHOULD ALSO BE REPORTED TO THE U.S. FISH AND WILDLIFE SERVICE IN JACKSONVILLE (1-904-232-2580).

THE CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN THE APPROPRIATE MANATEE PROTECTION SIGNS FOR THE DURATION OF THE PROJECT.

THE CONTRACTOR SHALL APPLY THE REQUIRED STURGEON AND MUSSEL PROTECTION MEASURES FOR ALL ENDANGERED AND THREATENED SPECIES NATIVE TO THE AREA OF CONSTRUCTION.

TURBIDITY BARRIERS: PRIOR TO THE INITIATION OF ANY OF THE WORK AUTHORIZED BY THIS PERMIT THE CONTRACTOR SHALL INSTALL FLOATING TURBIDITY BARRIERS WITH WEIGHTED SKIRTS THAT EXTEND TO WITHIN 1 FOOT OF THE BOTTOM AROUND ALL WORK AREAS THAT ARE IN, OR ADJACENT TO, SURFACE WATERS. THE TURBIDITY BARRIERS SHALL REMAIN IN PLACE AND BE MAINTAINED UNTIL THE AUTHORIZED WORK HAS BEEN COMPLETED AND ALL ERODIBLE MATERIALS HAVE BEEN STABILIZED.

IF PREHISTORIC OR HISTORIC ARTIFACTS, VESSEL REMNANTS, OR ANY OTHER PHYSICAL REMAINS THAT COULD BE ASSOCIATED WITH NATIVE AMERICAN CULTURES, COLONIAL PERIOD OF EARLY AMERICAN MARITIME HISTORY OR SETTLEMENT ARE ENCOUNTERED AT ANY TIME WITHIN THE PROJECT AREA, THE PERMITTED PROJECT SHOULD CEASE ALL ACTIVITIES INVOLVING DISTURBANCE IN THE IMMEDIATE VICINITY OF SUCH DISCOVERIES. NO CONSTRUCTION ACTIVITIES MAY RESUME WITHOUT VERBAL AND/OR WRITTEN AUTHORIZATIONS.

REVISIONS					BOARD OF COUNTY COMMISSIONERS ESCAMBIA COUNTY			SHEET NO.  B-2
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
6/23/15	ADDED NOTE 				184	ESCAMBIA		

PROJECT NOTES

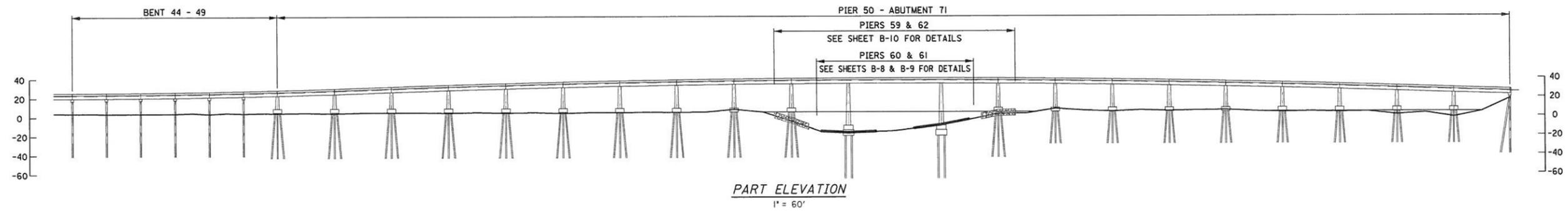
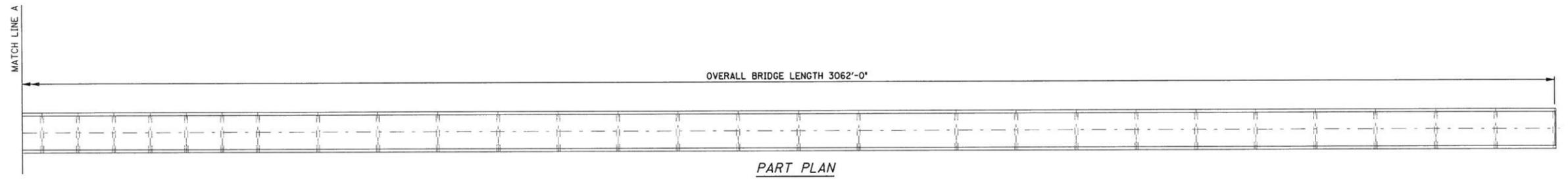
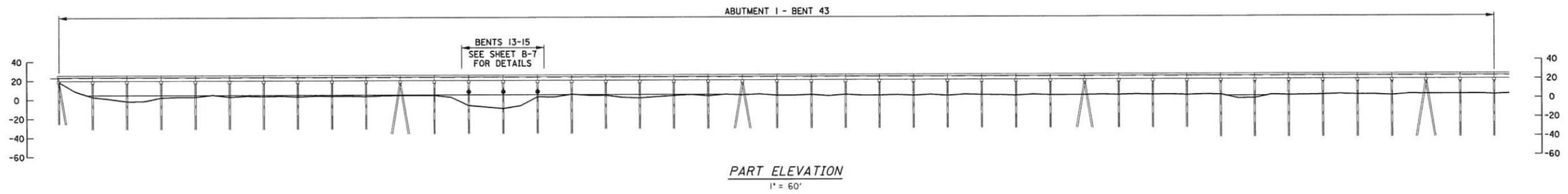
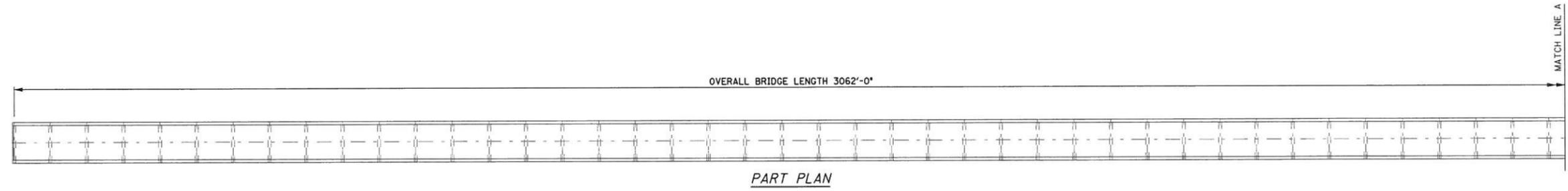
BRIDGE SCOUR COUNTERMEASURES COUNTY ROAD 184 OVER ESCAMBIA RIVER						
SUMMARY OF QUANTITIES						
NO.	DESCRIPTION	UNIT	QTY	FDOT STD DWG	TECH SPEC. SECTION <sup>1</sup>	FDOT SPEC. SECTION <sup>2</sup>
1	MOBILIZATION	LS	1		N/A	101
2	MAINTENANCE OF TRAFFIC	LS	1	600, 603	4060	102
3	PORTABLE CHANGEABLE MESSAGE SIGN (TEMPORARY)	ED	*		04000/04090	102
4	SEDIMENT BARRIERS (SYNTHETIC BALES)	LF	660	102	N/A	104
5	FLOATING TURBIDITY BARRIER (TYPE H)	LF	700	103	N/A	104
6	CONCRETE (CLASS III)	CY	22		3300	400
7	REINFORCING STEEL	LB	862	21300	N/A	415
8	GABION MAT (MACCAFERRI OR EQUIVALENT) - ALTERNATE #1 PIERS #60 & #61	SY	672		N/A	530
9	RIPRAP (RUBBLE) CLASS IV - ALTERNATE #2 PIERS #60 & #61	TON	1660		2340	530
10	RIPRAP (RUBBLE) CLASS IV PIERS #59 & #62	TON	1170		2340	530

**NOTES:**

1. BASED UPON ESCAMBIA COUNTY GENERAL PAVING AND DRAINAGE TECHNICAL SPECIFICATIONS, 2011.
  2. BASED UPON FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2013.
  3. RIPRAP COST SHALL INCLUDE GEOTEXTILE FILTER FABRIC; INCLUDES COST OF MATERIALS AND INSTALLATION OF THE GEOTEXTILE FABRIC.
- \* PAY ITEM NO. 102-99: PORTABLE CHANGEABLE MESSAGE SIGN (TEMPORARY) WILL BE ESTIMATED AT "EACH PER DAY." TWO (2) MESSAGE SIGNS WILL BE REQUIRED FOR A DURATION DETERMINED BY THE BRIDGE OWNER. THE SIGNS SHALL BE DISPLAYED NO LESS THAN 7 DAYS PRIOR TO COMMENCEMENT OF WORK/CLOSURE. NO CLOSURE SHALL BEGIN ON A MONDAY.

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THIS  
SHEET

REVISIONS				VOLKERT	BOARD OF COUNTY COMMISSIONERS ESCAMBIA COUNTY			SUMMARY OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		B-3
					184	ESCAMBIA			



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**VOLKERT**

BOARD OF COUNTY COMMISSIONERS  
ESCAMBIA COUNTY

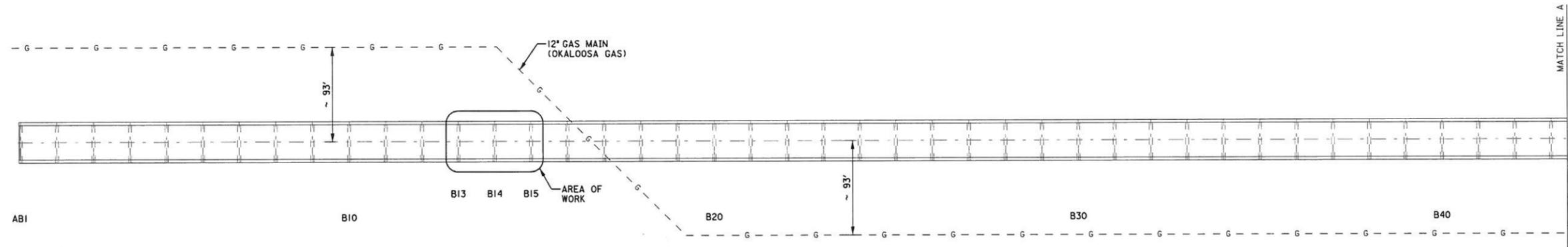
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
184	ESCAMBIA	

*PLAN & ELEVATION*

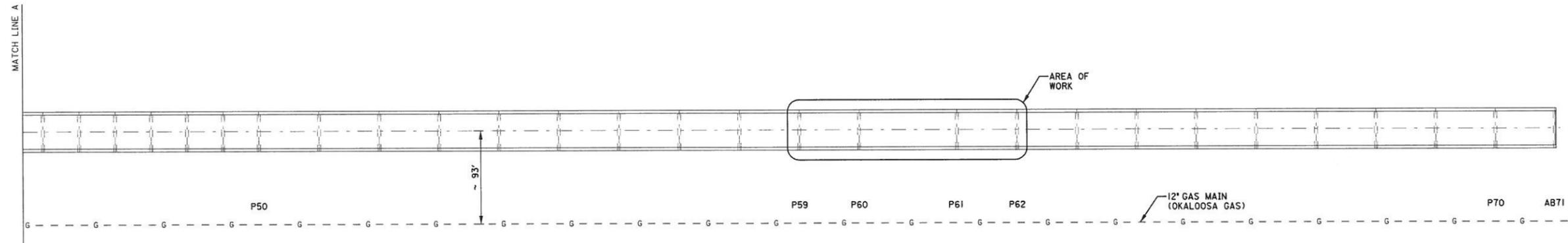
SHEET NO.

B-4

DATE TIME



PART PLAN  
1" = 60'



PART PLAN  
1" = 60'

CONTACT INFORMATION

UTILITY	CONTACT
OKALOOSA GAS DISTRICT (850) 729-4869	DEETER ALLMOND SMITH GIS ADMINISTRATOR 364 VALPARAISO PKWY. VALPARAISO, FL 32580

NOTE:  
UTILITY LOCATIONS SHOWN ON PLANS ARE APPROXIMATE.  
CONTRACTOR SHALL HAVE UTILITIES LOCATED PRIOR TO  
COMMENCING WORK.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**VOLKERT**

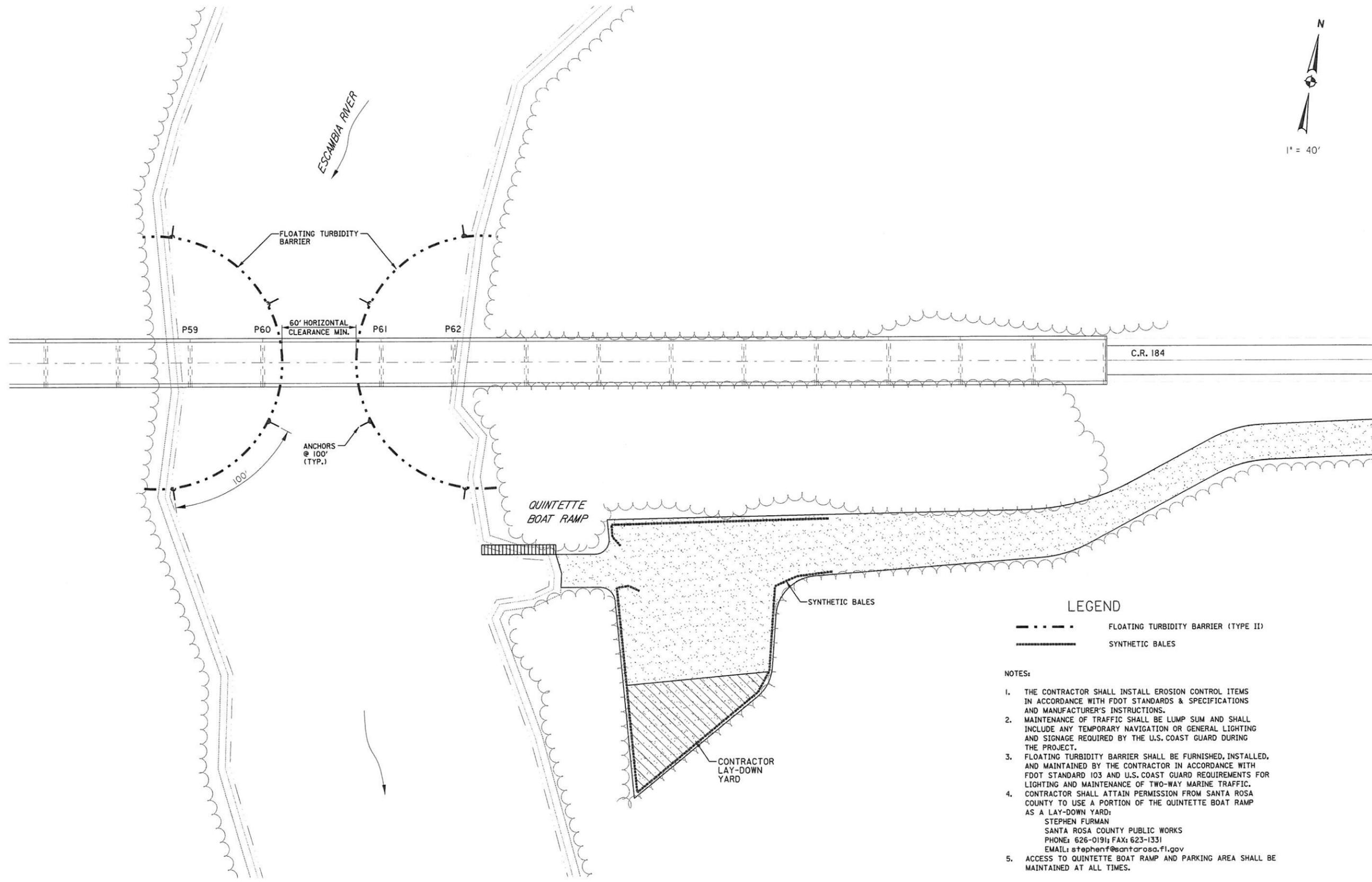
BOARD OF COUNTY COMMISSIONERS  
ESCAMBIA COUNTY

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
184	ESCAMBIA	

UTILITY PLAN

SHEET NO.

B-5



- LEGEND**
- FLOATING TURBIDITY BARRIER (TYPE II)
  - SYNTHETIC BALES

- NOTES:**
1. THE CONTRACTOR SHALL INSTALL EROSION CONTROL ITEMS IN ACCORDANCE WITH FDOT STANDARDS & SPECIFICATIONS AND MANUFACTURER'S INSTRUCTIONS.
  2. MAINTENANCE OF TRAFFIC SHALL BE LUMP SUM AND SHALL INCLUDE ANY TEMPORARY NAVIGATION OR GENERAL LIGHTING AND SIGNAGE REQUIRED BY THE U.S. COAST GUARD DURING THE PROJECT.
  3. FLOATING TURBIDITY BARRIER SHALL BE FURNISHED, INSTALLED, AND MAINTAINED BY THE CONTRACTOR IN ACCORDANCE WITH FDOT STANDARD 103 AND U.S. COAST GUARD REQUIREMENTS FOR LIGHTING AND MAINTENANCE OF TWO-WAY MARINE TRAFFIC.
  4. CONTRACTOR SHALL ATTAIN PERMISSION FROM SANTA ROSA COUNTY TO USE A PORTION OF THE QUINTETTE BOAT RAMP AS A LAY-DOWN YARD:  
STEPHEN FURMAN  
SANTA ROSA COUNTY PUBLIC WORKS  
PHONE: 626-0191; FAX: 623-1331  
EMAIL: stephenf@santarosa.fl.gov
  5. ACCESS TO QUINTETTE BOAT RAMP AND PARKING AREA SHALL BE MAINTAINED AT ALL TIMES.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

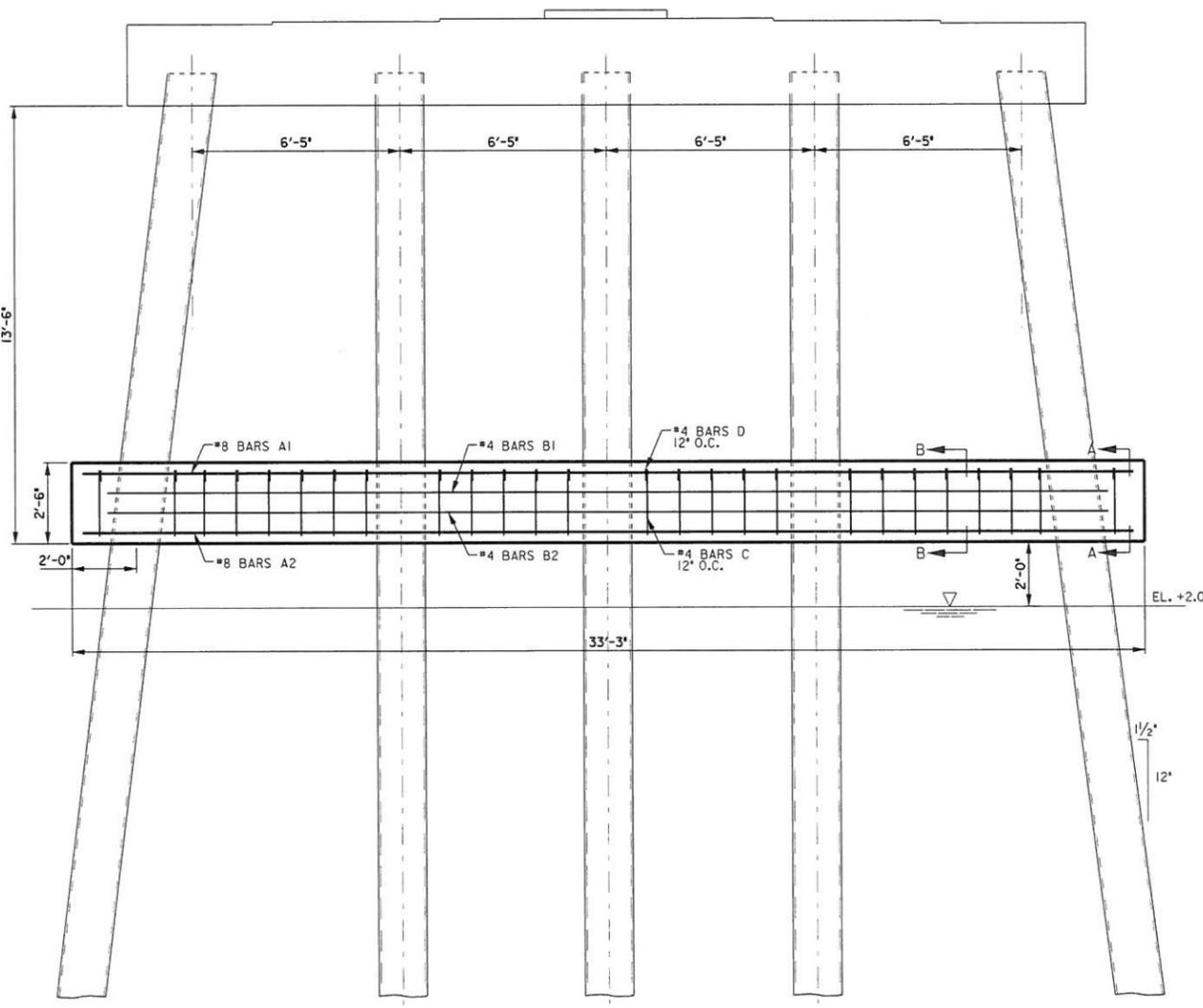


BOARD OF COUNTY COMMISSIONERS ESCAMBIA COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
184	ESCAMBIA	

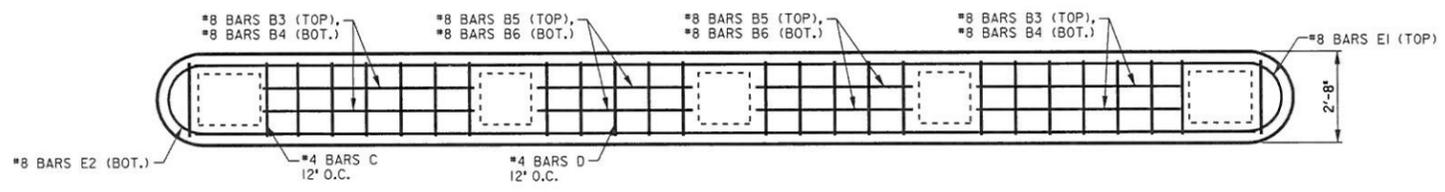
**EROSION CONTROL PLAN**

SHEET NO.
B-6

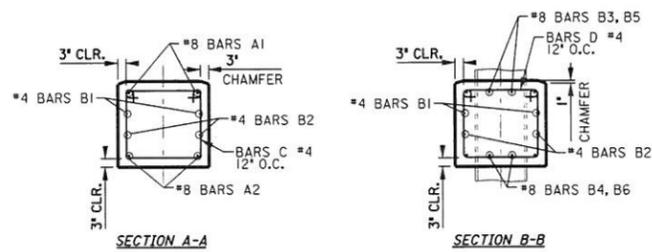
DATE: 01/15/2010 TIME: 10:00 AM



REHAB BENTS #13 - #15  
TYPICAL SECTION  
3/8" = 1'-0"

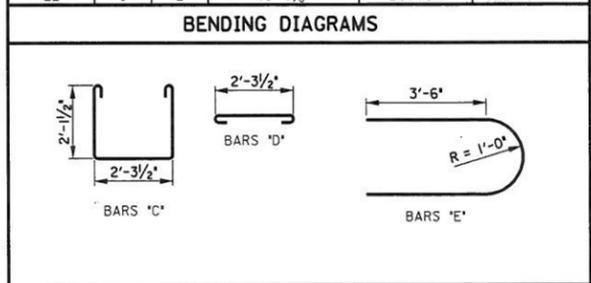


DETAIL PILE BENT LATERAL STRUT  
PLAN  
3/8" = 1'-0"



- NOTES:
- CONTRACTOR SHALL USE SIKADUR 32, HI MOD OR AN APPROVED EQUAL TO BOND STRUT TO EXISTING PILE SURFACE.
  - CONTRACTOR SHALL FOLLOW ALL MANUFACTURER'S INSTRUCTIONS FOR PREPARATION AND APPLICATION OF SELECTED BONDING ADHESIVE.
  - SURFACE OF PILES SHALL BE SCARIFIED TO THE SATISFACTION OF THE ENGINEER PRIOR TO APPLICATION OF APPROVED ADHESIVE.

BILL OF REINFORCEMENT (PER STRUT)					
MARK	SIZE	NO.	LENGTH	LOCATION	BENDING
A1	8	2	31'-0"	TOP	STRAIGHT
A2	8	2	31'-0"	BOTTOM	STRAIGHT
B1	4	2	31'-0"	TOP	STRAIGHT
B2	4	2	31'-0"	BOTTOM	STRAIGHT
B3	8	4	5'-11"	TOP	STRAIGHT
B4	8	4	6'-2"	BOTTOM	STRAIGHT
B5	8	4	4'-5"	TOP	STRAIGHT
B6	8	4	4'-5"	BOTTOM	STRAIGHT
C	4	26	7'-0"	SIDE/BOTTOM	SEE DIAGRAM
D	4	26	3'-1/4"	TOP	SEE DIAGRAM
E1	8	2	10'-1 1/8"	TOP	SEE DIAGRAM
E2	8	2	10'-1 1/8"	BOTTOM	SEE DIAGRAM



ESTIMATED QUANTITIES (PER STRUT)		
ITEM	UNIT	QUANTITY
CLASS III CONCRETE	CY	7
REINFORCING STEEL	LB	287
TOTAL ESTIMATED QUANTITIES (THREE STRUTS)		
ITEM	UNIT	QUANTITY
CLASS III CONCRETE	CY	22
REINFORCING STEEL	LB	862

**VOID**

This sheet has been replaced with Sheet B-11 and B-12.

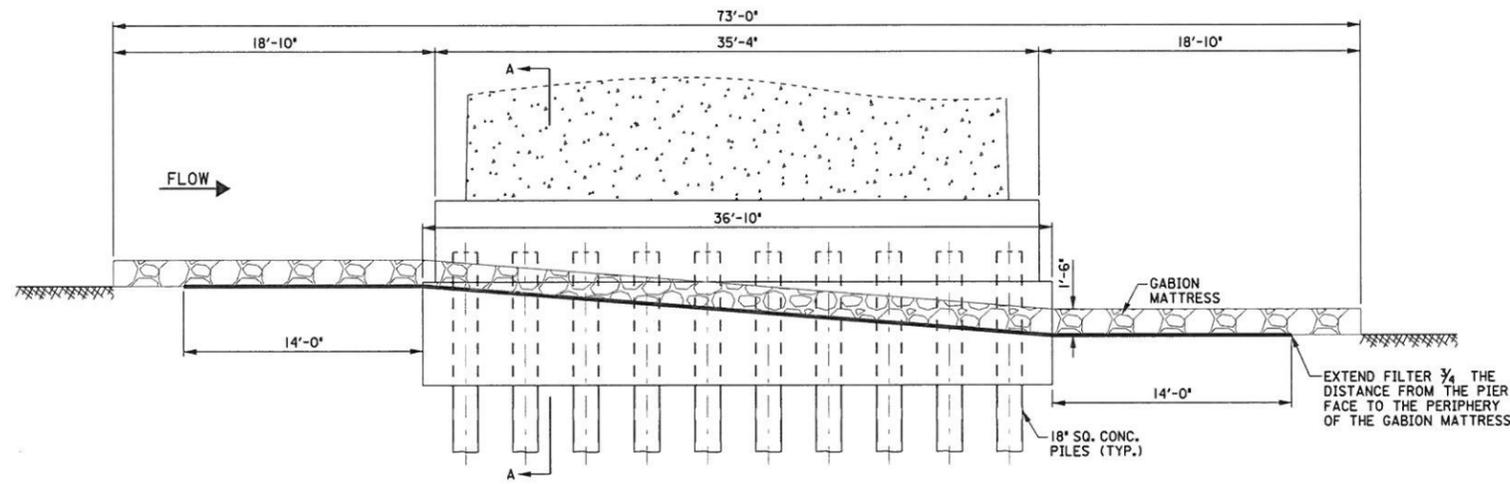
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**VOLKERT**

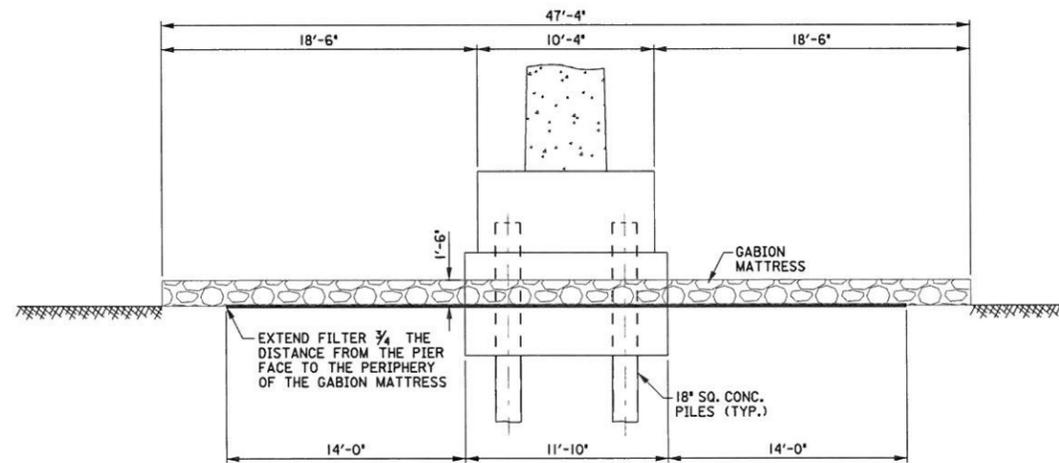
BOARD OF COUNTY COMMISSIONERS ESCAMBIA COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
184	ESCAMBIA	

PILE BENT DETAILS

SHEET NO.  
B-7



TYPICAL ELEVATION OF PIERS #60 & #61  
 $\frac{3}{16}'' = 1'-0''$

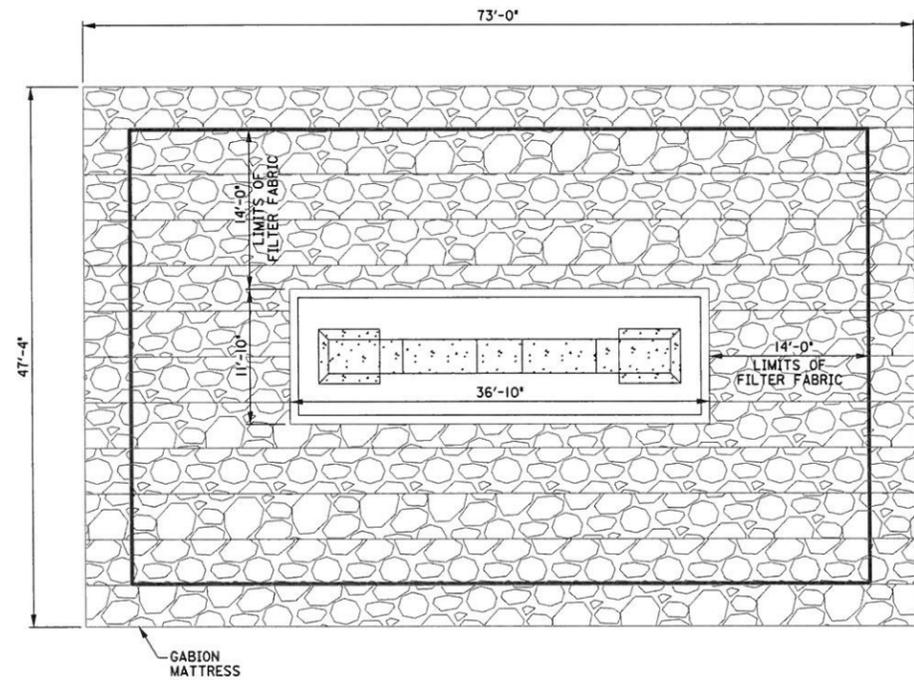


SECTION A-A  
 $\frac{3}{16}'' = 1'-0''$

ESTIMATED QUANTITIES (PER PIER)		
ITEM	UNIT	QUANTITY
GABION MATTRESS	SY	336
TOTAL ESTIMATED QUANTITIES (TWO PIERS)		
ITEM	UNIT	QUANTITY
GABION MATTRESS	SY	672

NOTES:

1. ALL MATERIALS, LABOR, AND EQUIPMENT REQUIRED FOR GABION MATTRESS INSTALLATION SHALL BE SUBSIDIARY TO PAY ITEM 530-76, GABION MAT.
2. THE CONTRACTOR SHALL USE MACCAFERRI BRAND GABION MATTRESS OR EQUIVALENT AS APPROVED BY THE ENGINEER.
3. GABION MATTRESS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
4. GEOTEXTILE FILTER FABRIC SHALL BE PLACED IN ACCORDANCE WITH FDOT STANDARD SPECIFICATION 514-3.4 AND ANCHORED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
5. MACCAFERRI BRAND OR EQUIVALENT SAND FILLED GEOTEXTILE CONTAINERS MAY BE USED IN LIEU OF GEOTEXTILE FILTER FABRIC IF APPROVED BY ENGINEER.
6. SAND FILLED GEOTEXTILE CONTAINERS SHALL BE FILLED, INSTALLED, AND ANCHORED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
7. EITHER ALTERNATE #1 (GABION) OR ALTERNATE #2 (RIPRAP) WILL BE CHOSEN BY BRIDGE OWNER.



PLAN  
 $\frac{1}{8}'' = 1'-0''$

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**VOLKERT**

BOARD OF COUNTY COMMISSIONERS  
 ESCAMBIA COUNTY

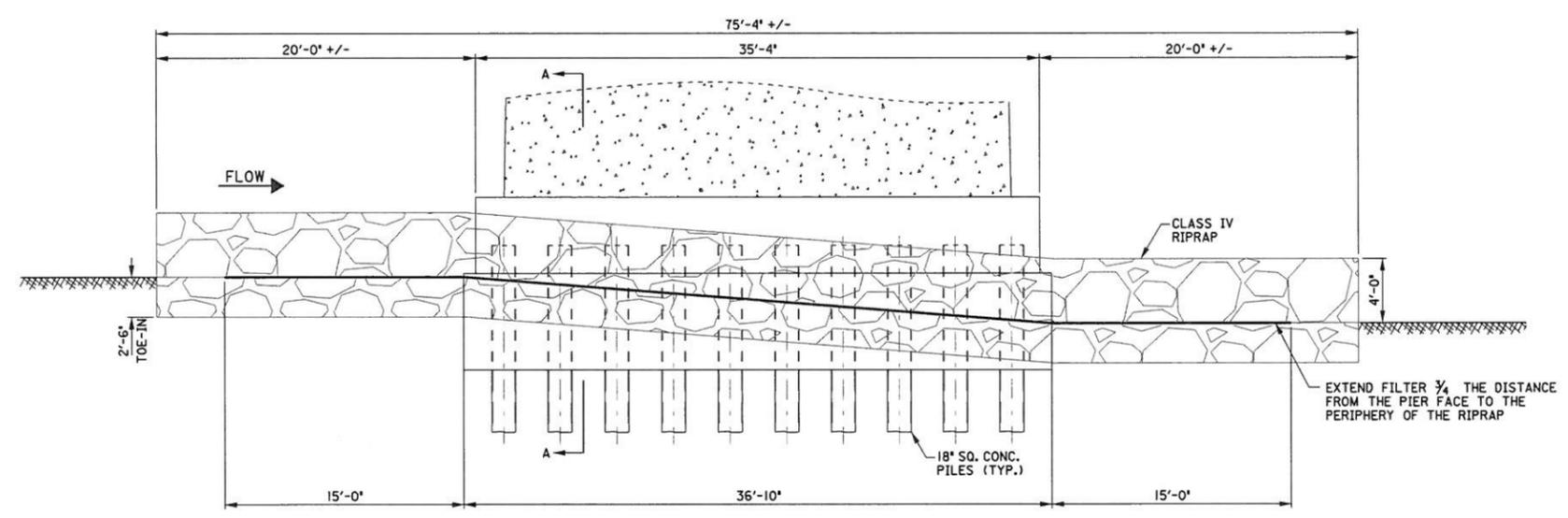
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
184	ESCAMBIA	

PIERS #60 & #61 DETAILS  
 (ALTERNATE #1)

SHEET NO.

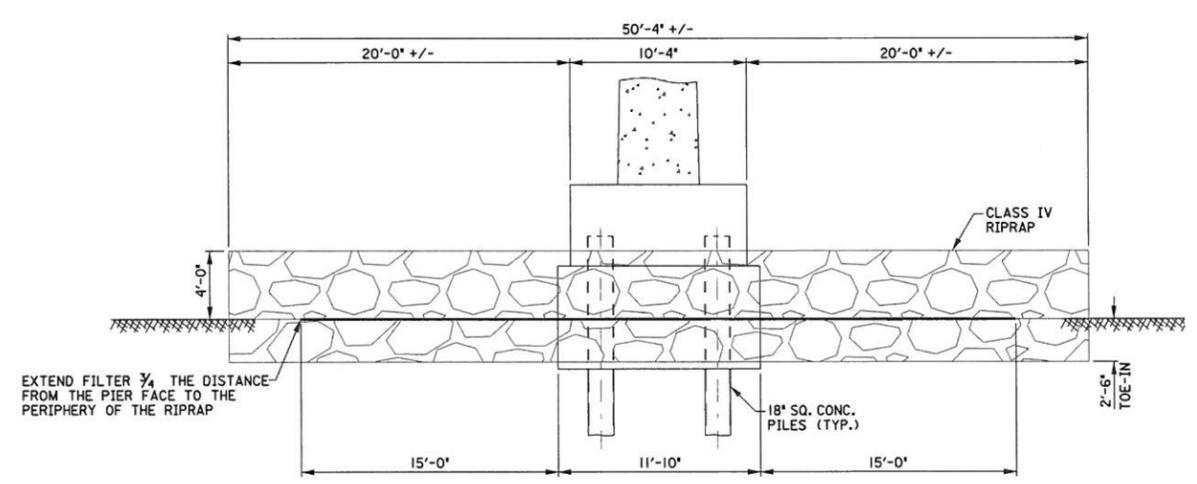
B-8

ESTIMATED QUANTITIES (PER PIER)		
ITEM	UNIT	QUANTITY
RIPRAP (RUBBLE) CLASS IV	TON	830
TOTAL ESTIMATED QUANTITIES (TWO PIERS)		
ITEM	UNIT	QUANTITY
RIPRAP (RUBBLE) CLASS IV	TON	1660

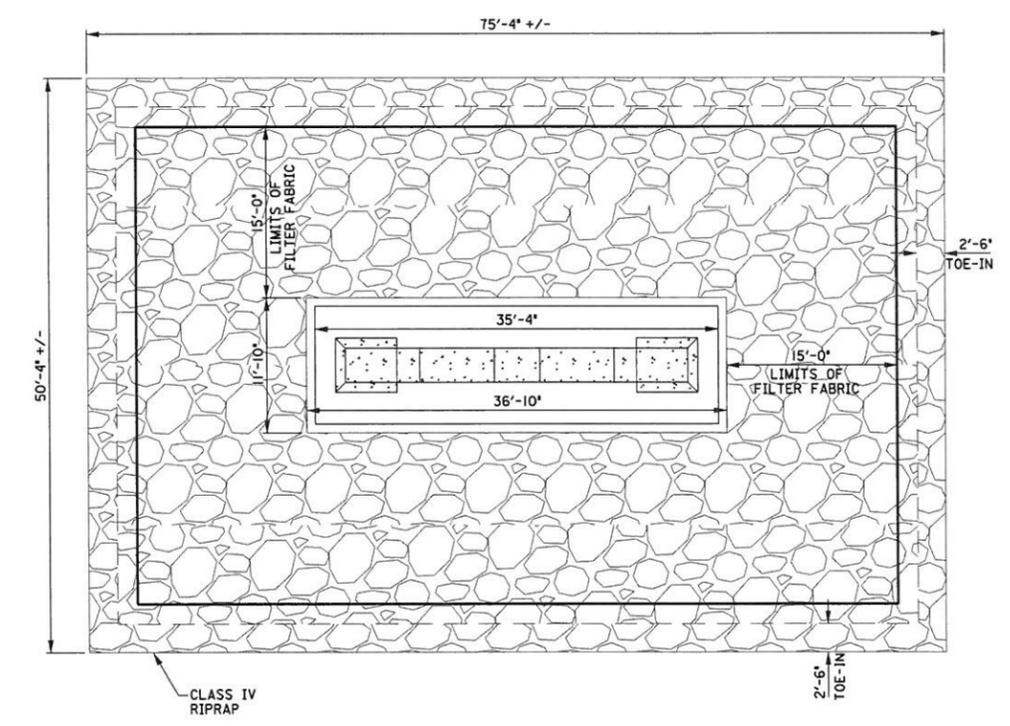


TYPICAL ELEVATION OF PIERS #60 & #61  
 $\frac{3}{16}'' = 1'-0''$

- NOTES:
1. ALL MATERIALS, LABOR, AND EQUIPMENT REQUIRED FOR RIPRAP INSTALLATION SHALL BE SUBSIDIARY TO PAY ITEM 530-3.
  2. RIPRAP AND FILTER FABRIC SHALL BE PLACED IN ACCORDANCE WITH DIMENSIONS AND DEPTHS SPECIFIED IN PROJECT PLANS.
  3. GEOTEXTILE FILTER FABRIC SHALL BE PLACED IN ACCORDANCE WITH FOOT STANDARD SPECIFICATION 514-3.4 AND ANCHORED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
  4. MACCAFERRI BRAND OR EQUIVALENT SAND FILLED GEOTEXTILE CONTAINERS MAY BE USED IN LIEU OF GEOTEXTILE FILTER FABRIC IF APPROVED BY ENGINEER.
  5. SAND FILLED GEOTEXTILE CONTAINERS SHALL BE FILLED, INSTALLED, AND ANCHORED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
  6. EITHER ALTERNATE #1 (GABION) OR ALTERNATE #2 (RIPRAP) WILL BE CHOSEN BY BRIDGE OWNER.



SECTION A-A  
 $\frac{3}{16}'' = 1'-0''$



PLAN  
 $\frac{1}{8}'' = 1'-0''$

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

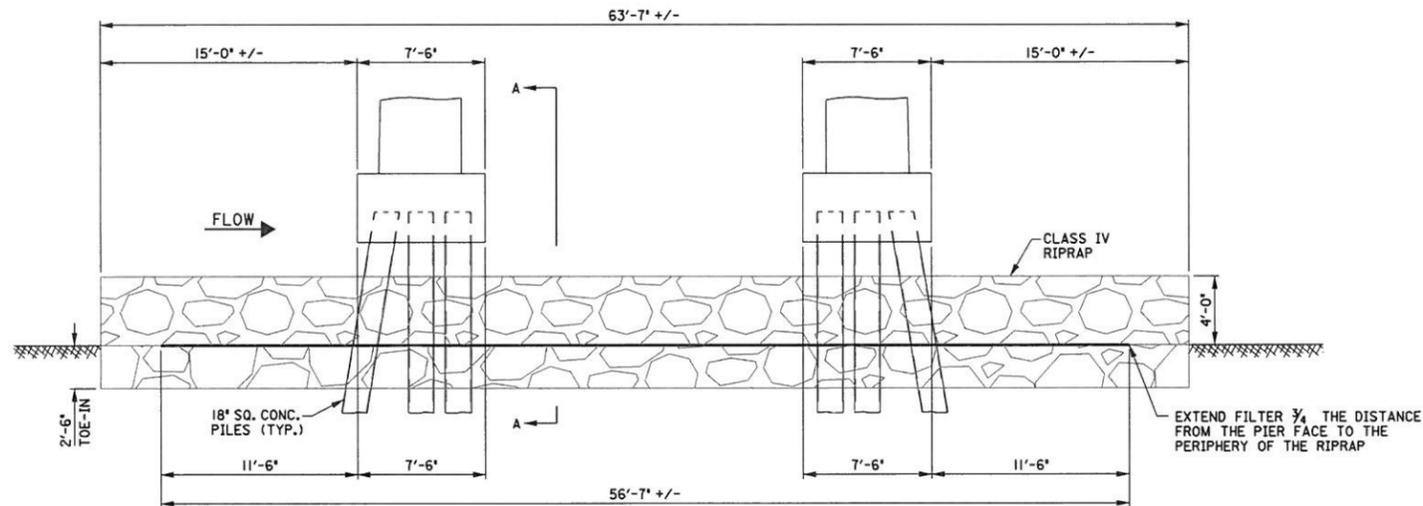
**VOLKERT**

BOARD OF COUNTY COMMISSIONERS ESCAMBIA COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
184	ESCAMBIA	

PIERS #60 & #61 DETAILS  
 (ALTERNATE #2)

SHEET NO.
B-9

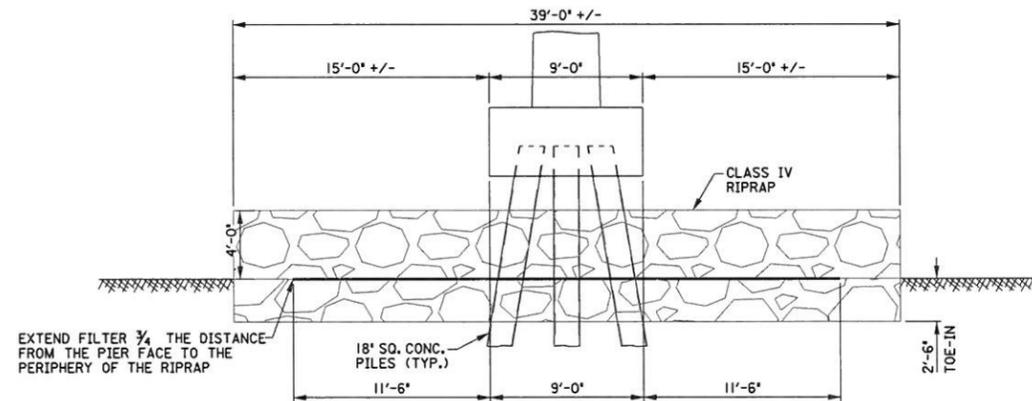
ESTIMATED QUANTITIES (PER PIER)		
ITEM	UNIT	QUANTITY
RIPRAP (RUBBLE) CLASS IV	TON	585
TOTAL ESTIMATED QUANTITIES		
ITEM	UNIT	QUANTITY
RIPRAP (RUBBLE) CLASS IV	TON	1170



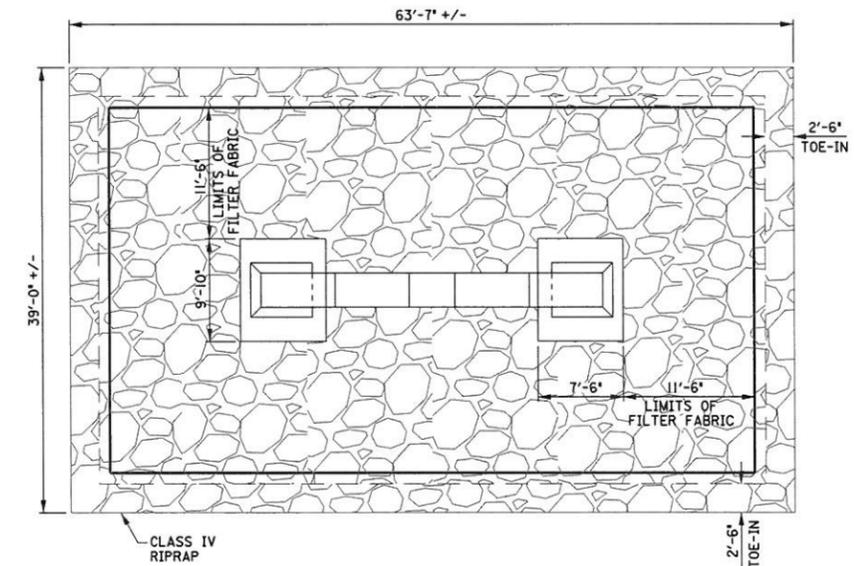
TYPICAL ELEVATION OF PIERS #59 & #62  
 $\frac{3}{16}'' = 1'-0''$

NOTES:

1. ALL MATERIALS, LABOR, AND EQUIPMENT REQUIRED FOR RIPRAP INSTALLATION SHALL BE SUBSIDIARY TO PAY ITEM 530-3.
2. RIPRAP AND FILTER FABRIC SHALL BE PLACED IN ACCORDANCE WITH DIMENSIONS AND DEPTHS SPECIFIED IN PROJECT PLANS.
3. GEOTEXTILE FILTER FABRIC SHALL BE PLACED IN ACCORDANCE WITH FOOT STANDARD SPECIFICATION 514-3.4 AND ANCHORED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
4. MACCAFERRI BRAND OR EQUIVALENT SAND FILLED GEOTEXTILE CONTAINERS MAY BE USED IN LIEU OF GEOTEXTILE FILTER FABRIC IF APPROVED BY ENGINEER.
5. SAND FILLED GEOTEXTILE CONTAINERS SHALL BE FILLED, INSTALLED, AND ANCHORED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.



SECTION A-A  
 $\frac{3}{16}'' = 1'-0''$



PLAN  
 $\frac{1}{8}'' = 1'-0''$

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**VOLKERT**

BOARD OF COUNTY COMMISSIONERS  
 ESCAMBIA COUNTY

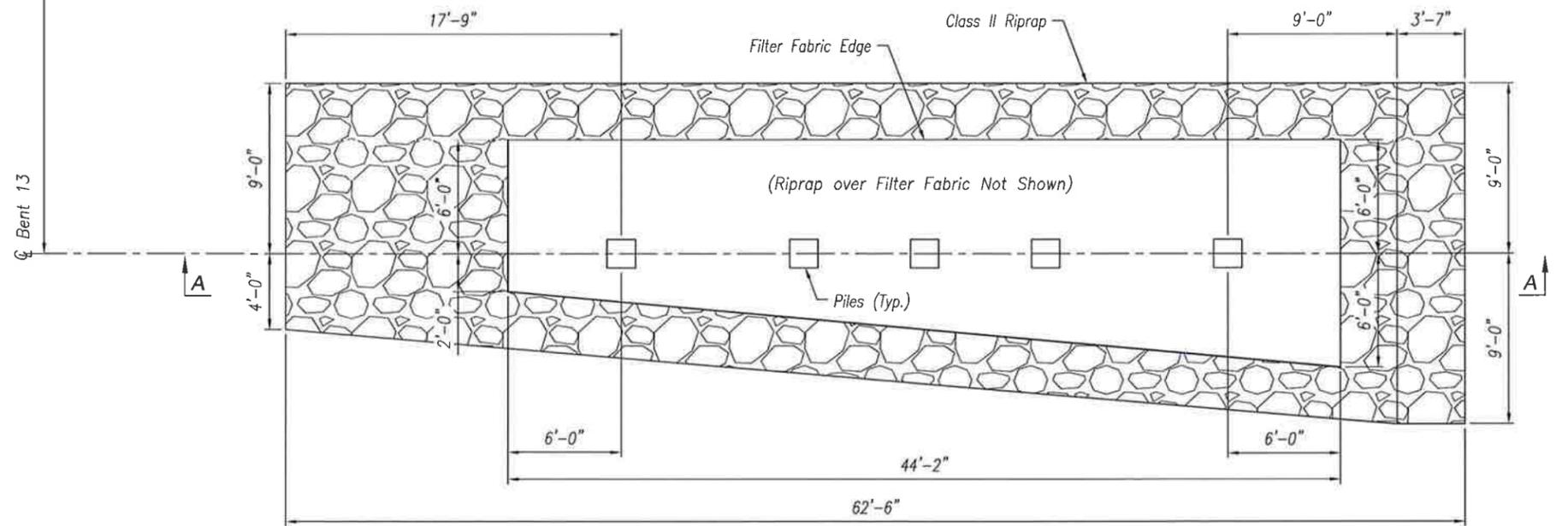
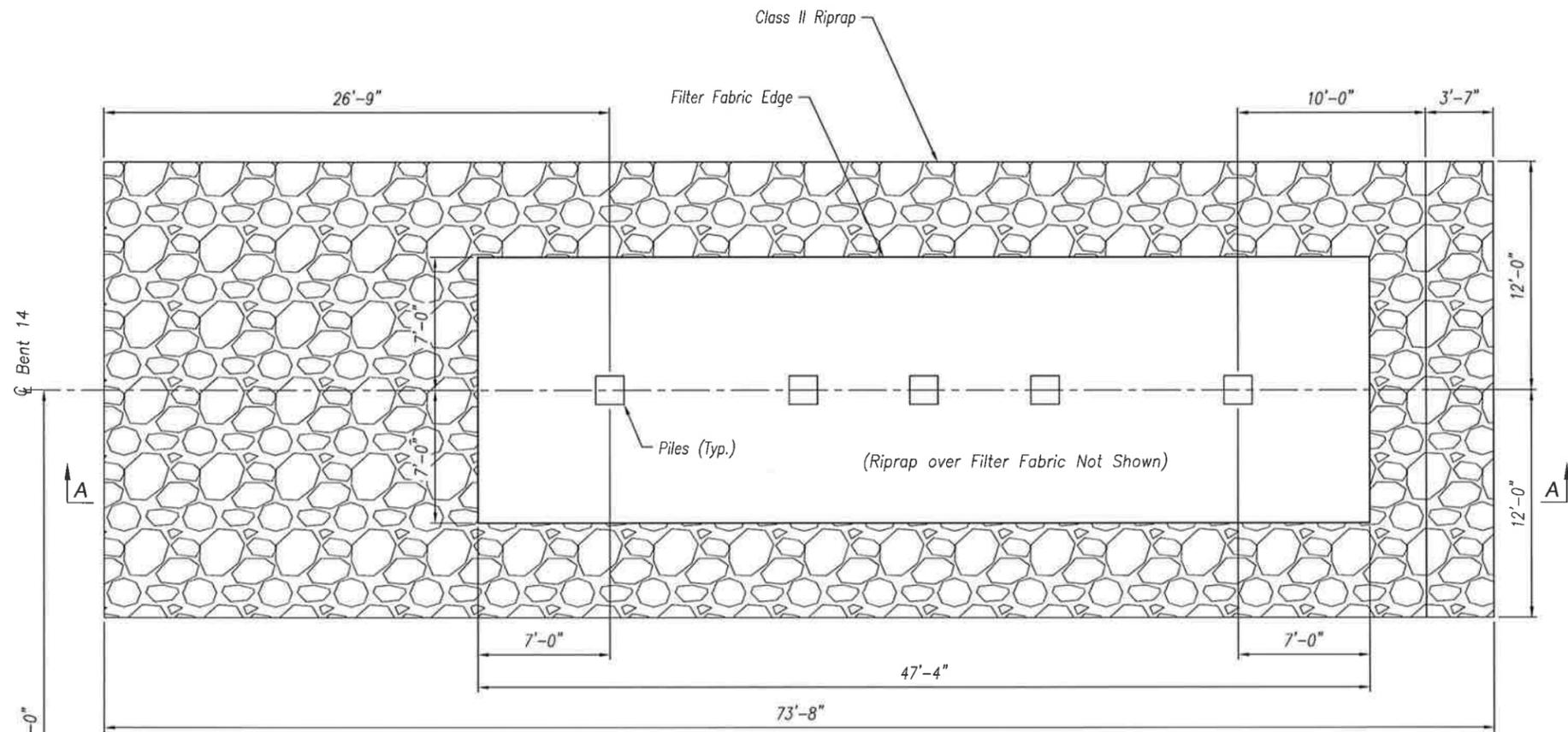
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
184	ESCAMBIA	

PIERS #59 & #62 DETAILS

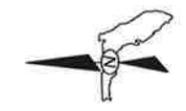
SHEET NO.

B-10

P:\321753\CR 184\480045 B13 14 15 Riprap Details.dwg Plot Date: Wednesday, August 05, 2015 2:02 PM By: Hendricks, Bart F



PLAN



Notes:

1. Work Sheets B-11 and B-12 as an addendum to the plan set Scour Repairs, County Road 184 Over Escambia River Bridge (480045), dated September 9, 2013, by Volkert Inc. B-11 and B-12 provide details for adding riprap to Bents 13 and 14.
2. Installation of riprap and filter fabric shall follow FDOT Specification 514 with these exceptions: Riprap properties shall meet ALDOT Specification 814 Class II requirements and bedding stone is not required.
3. All materials, labor, and equipment required for riprap installation shall be included in the cost of the riprap.
4. See B-12 for Section A-A.



**Hatch Mott MacDonald**  
 Hatch Mott MacDonald Florida, LLC  
 Architects Engineers Surveyors  
 44 - COBURN BLVD., SUITE 200  
 PANAMA CITY, FLORIDA 32367  
 Telephone: (904) 484-9111 • Fax: (904) 484-4199

CR 184  
 SCOUR REPAIRS  
 ESCAMBIA COUNTY, FLORIDA

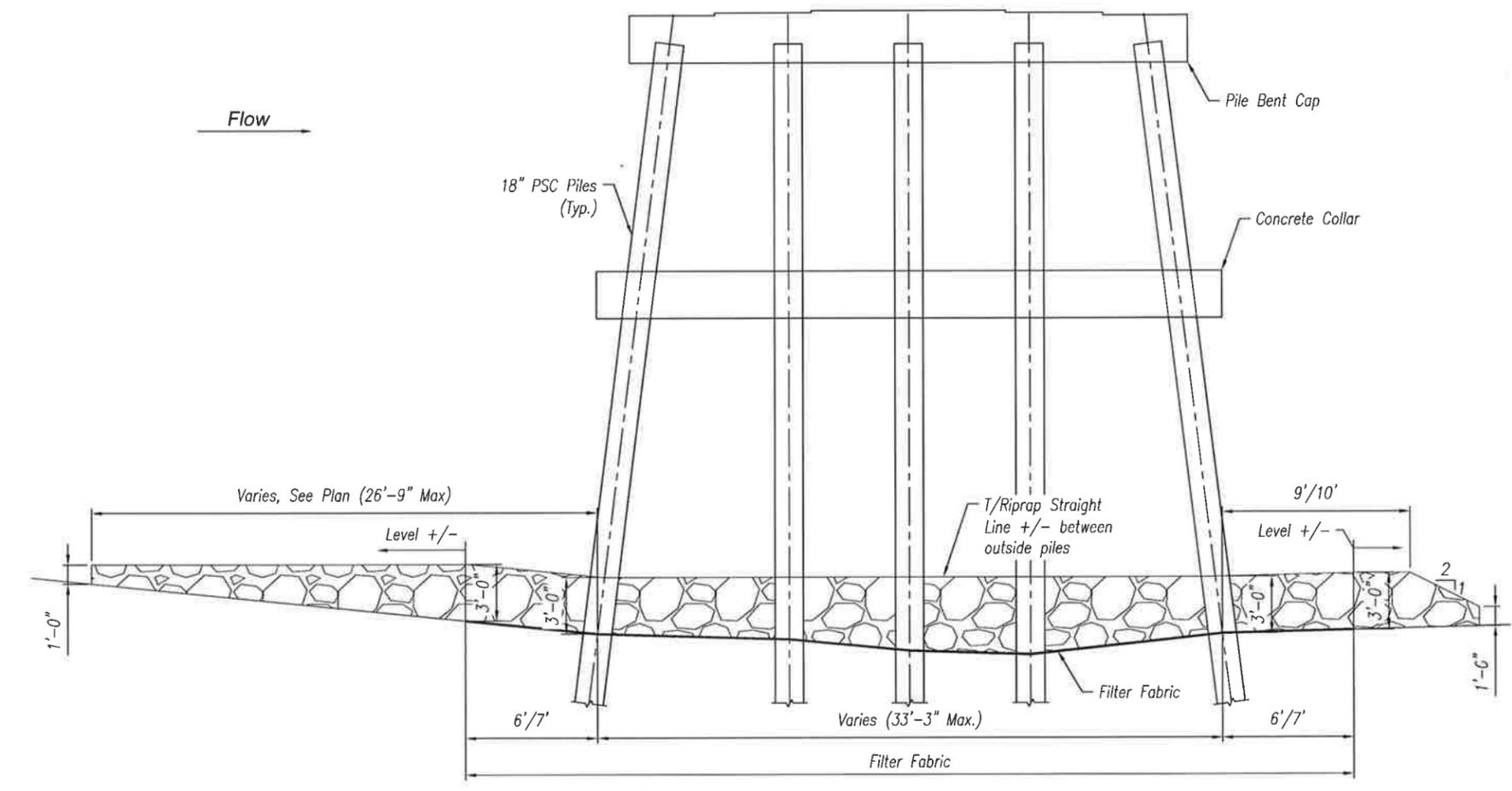
DATE	REV.
August 2015	BPH
	WBN
	WBN
	BPH
	B Hendricks
	321753

SCOUR REPAIR PLAN  
 SHEET NUMBER:  
**B-11**

Bridge No. 480045

DATE	REV.
August 2015	
BY: BPH	
WBN	
WBN	
BY: BPH	
ENGINEER: B Hendricks	
PROJECT MANAGER: B Hendricks	
SCALE: AS SHOWN	
PROJECT NAME: CR 184	
PROJECT NUMBER: 521753	

ISSUED FOR CONSTRUCTION  
 BART FLETCHER HENDRICKS  
 No. 51391  
 PROFESSIONAL ENGINEER  
 STATE OF FLORIDA  
 SCOUR REPAIR SECTION  
 SHEET NUMBER:  
**B-12**



**SECTION A-A**

ESTIMATED QUANTITIES		
BENT NO.	UNIT	QUANTITY
13	TN	186.4
14	TN	369.3
<b>TOTAL</b>	<b>TN</b>	<b>555.7</b>

Notes:  
 1. Work this sheet with B-11.