

COMPONENTS OF CONTRACT PLANS SET

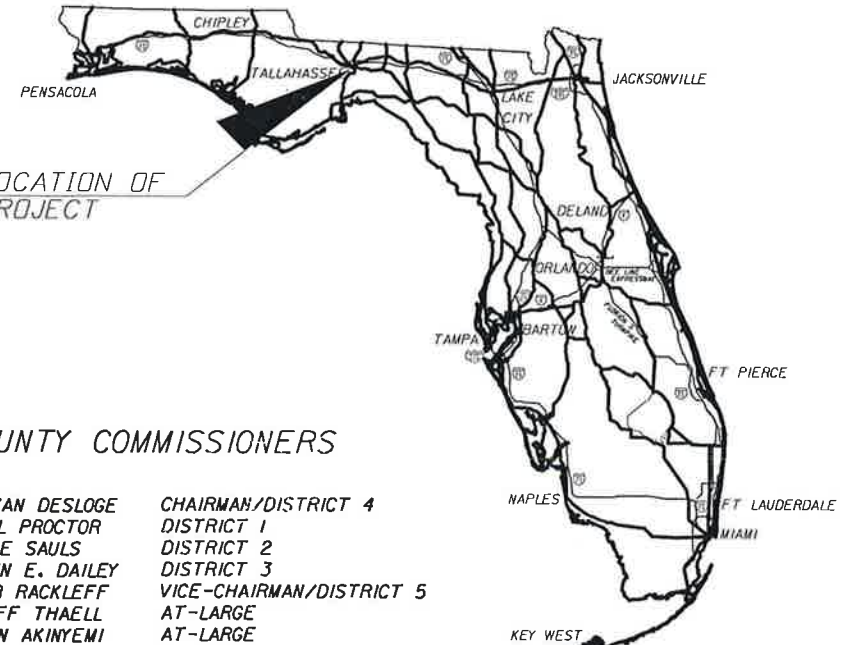
A DETAILED INDEX APPEARS ON THE KEY SHEET OF EACH COMPONENT

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
G1	KEY SHEET
S-1	GENERAL NOTES
S-2	SUMMARY OF QUANTITIES (HYDROTEX OPTION)
S-3	SUMMARY OF QUANTITIES (RIP-RAP OPTION)
S-4	PLAN AND ELEVATION (HYDROTEX OPTION)
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S-6	BENT NO. 1 & 3 ABUTMENT SECTION AND ELEVATION
S-7	CONSTRUCTION STAGING AND EROSION CONTROL

**LEON COUNTY  
DEPARTMENT OF PUBLIC WORKS**

**CONTRACT PLANS  
SPRING HILL ROAD  
EMBANKMENT REPAIR**

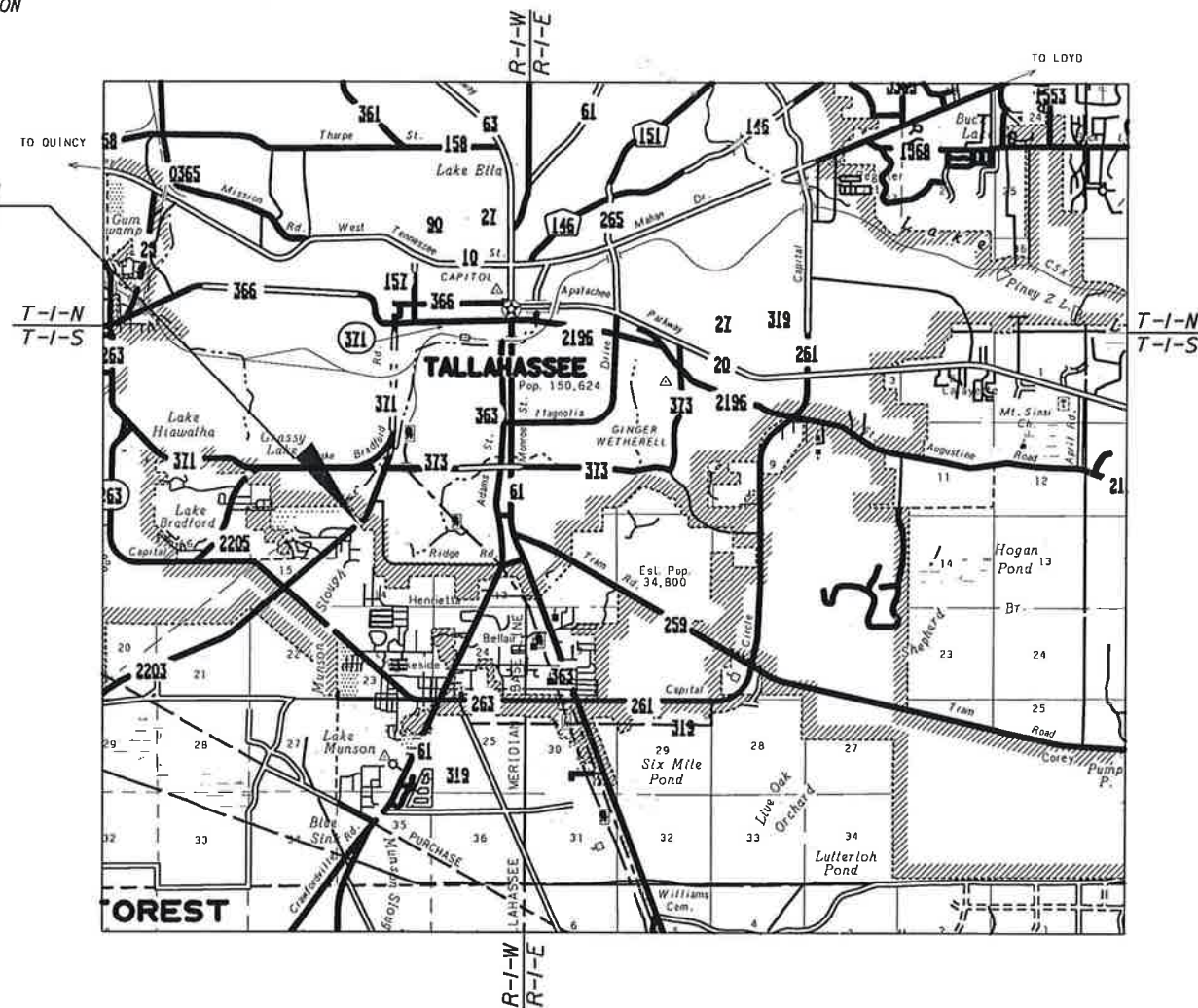


LOCATION OF PROJECT

COUNTY COMMISSIONERS

- |                |                          |
|----------------|--------------------------|
| BRYAN DESLOGE  | CHAIRMAN/DISTRICT 4      |
| BILL PROCTOR   | DISTRICT 1               |
| JANE SAULS     | DISTRICT 2               |
| JOHN E. DAILEY | DISTRICT 3               |
| BOB RACKLEFF   | VICE-CHAIRMAN/DISTRICT 5 |
| CLIFF THAELL   | AT-LARGE                 |
| AKIN AKINYEMI  | AT-LARGE                 |
| TONY PARK      | DIRECTOR OF PUBLIC WORKS |
| PARWEZ ALAM    | COUNTY ADMINISTRATOR     |

PROJECT LOCATION  
SPRING HILL ROAD



GOVERNING STANDARDS AND SPECIFICATIONS:  
FLORIDA DEPARTMENT OF TRANSPORTATION,  
DESIGN STANDARDS DATED 2010,  
AND STANDARD SPECIFICATIONS FOR ROAD AND  
BRIDGE CONSTRUCTION DATED 2010,  
AS AMENDED BY CONTRACT DOCUMENTS.

APPLICABLE DESIGN STANDARDS MODIFICATIONS: 01/01/10  
For Design Standards modifications go to the following Web site:  
<http://www.dot.state.fl.us/rddesign/DesignStandards/Standards.shtm>

SHOP DRAWINGS  
TO BE SUBMITTED TO:



LEON COUNTY DEPARTMENT OF PUBLIC WORKS  
2280 MICCOSUKEE ROAD, TALLAHASSEE, FLORIDA 32308  
PHONE (850) 606-1500 \* FAX (850) 606-1501

PLANS PREPARED BY:



REGISTE, SLIGER ENGINEERING, INC.  
CIVIL AND STRUCTURAL ENGINEERING CONSULTANT  
CERT. OF AUTHORIZATION # 9292  
1427 N. Bronough Street - Tallahassee, FL 32303  
PHONE: (850) 894-4521 - FAX: (850) 224-0505

NOTE: THE SCALE OF THESE PLANS MAY  
HAVE CHANGED DUE TO REPRODUCTION.

*John F. Sliger II*  
23 JUN 2010

KEY SHEET REVISIONS		
DATE	BY	DESCRIPTION

ROADWAY PLANS  
ENGINEER OF RECORD: JOHN F. SLIGER II, P.E.

P.E. NO.: 55550

FISCAL YEAR	SHEET NO.
09	G1

STORMWATER MANAGEMENT CONTROL OFFICER:  
BETSY THORPE 606-1500

LEON COUNTY PROJECT MANAGER: CHRIS MUEHLEMAN, P.E.

GENERAL SPECIFICATIONS:

1. FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (2010 EDITION) AND SUPPLEMENTS THERE TO OF THE FDOT.
2. GUIDELINES: FLORIDA DEPARTMENT OF TRANSPORTATION "STRUCTURES DESIGN GUIDELINES" CURRENT EDITION, INCLUDING ALL SUBSEQUENT REVISIONS.

GENERAL CONSTRUCTION NOTES AND SPECIFICATIONS:

1. DETAILS LABELED "TYP." APPLY TO ALL SITUATIONS THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY REFERENCED, WHETHER OR NOT THEY ARE KEYED IN AT EACH LOCATION. QUESTION REGARDING THE APPLICABILITY OF TYPICAL DETAILS SHALL BE RESOLVED BY THE ENGINEER.
2. CONTRACTORS WHO DISCOVER DISCREPANCIES, OMISSIONS OR VARIATIONS IN THE CONTRACT DOCUMENTS SHALL IMMEDIATELY NOTIFY THE ENGINEER. THE ENGINEER WILL RESOLVE THE CONDITION AND ISSUE A WRITTEN CLARIFICATION.
3. NO SITE SPECIFIC SURVEY DATA WAS UTILIZED IN PREPARING THESE CONSTRUCTION DOCUMENTS. CONTRACTOR SHALL VERIFY ALL PLAN DIMENSIONS, SLOPES, ETC. WITH FIELD CONDITIONS AND ADJUST ACCORDINGLY.
4. THE GENERAL CONTRACTOR SHALL COORDINATE ALL CONTRACT DOCUMENTS WITH FIELD CONDITIONS AND DIMENSIONS AND PROJECT SHOP DRAWINGS PRIOR TO CONSTRUCTION. DO NOT SCALE DRAWINGS (+/-) USE ONLY PRINTED DIMENSIONS. ELECTRONIC DRAWINGS SHOULD NOT BE ASSUMED TO BE DRAWN TO SCALE. REPORT ANY DISCREPANCIES IN WRITING TO THE ENGINEER PRIOR TO PROCEEDING WITH WORK. DO NOT CHANGE SIZE OR LOCATION OF STRUCTURAL MEMBERS WITHOUT WRITTEN INSTRUCTION FROM THE STRUCTURAL ENGINEER OF RECORD.
5. THE CONTRACTOR SHALL PROTECT ADJACENT STRUCTURES, HIS OWN WORK AND THE PUBLIC FROM HARM. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS AND METHODS, AND JOB SITE SAFETY INCLUDING ALL OSHA REQUIREMENTS.
6. CONTRACTOR TO PROVIDE SURVEY AND SITE SPECIFIC GEOTECHNICAL INVESTIGATION, AS REQUIRED TO COMPLETE CONSTRUCTION.
7. CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE ALL CONSTRUCTION DEBRIS OFF-SITE AND DISPOSE OF IN A LEGAL MANNER.
8. NO COFFERDAM CONSTRUCTION OR IMPEDANCE OF FLOW WILL BE ALLOWED FOR THIS PROJECT.
9. CONTRACTOR IS ADVISED THAT DEBRIS OS TO BE EXPECTED IN THE CHANNEL BOTTOM.

NOTE:

PROJECT TO BE CONSTRUCTED DURING LOW FLOW PERIODS.

HYDRAULIC DATA AS PROVIDED BY LEON COUNTY DEPARTMENT OF PUBLIC WORKS AS FOLLOWS:

BED SLOPE = 0.015 FT/FT  
 CHANNEL BOTTOM WIDTH = 21'-0"  
 DEPTH OF FLOW = 12.5 FT.  
 MAXIMUM VELOCITY = 8.31 FPS  
 SIDE SLOPE = 1:1  
 CHANNEL DEPTH = 14'-0"

MAINTENANCE OF TRAFFIC NOTES:

1. CONTRACTOR SHALL SUBMIT TO LEON COUNTY A MAINTENANCE OF TRAFFIC PLAN SIGNED AND SEALED BY A PROFESSIONAL ENGINEER PRIOR TO SITE MOBILIZATION.

EROSION CONTROL

1. INSTALL TURBIDITY BARRIERS IN ACCORDANCE WITH FDOT STANDARD INDEX 103.

TESTING:

CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF ALL TESTING REQUIREMENTS.

SEQUENCE OF CONSTRUCTION:

1. INSTALL ALL EROSION CONTROL MEASURES
2. REMOVE ALL EXISTING RIPRAP, CONCRETE WALL AND SUBSTANDARD SAND CEMENT BAGS
3. ADD SAND CEMENT BAG UNDERPINNING
4. ADD SELECT FILL AND COMPACT ACCORDING TO PLANS
5. INSTALL RIPRAP OPTION OR HYDROTEX AB800 MATTRESS OPTION OR EQUIVALENT PER MANUFACTURER'S AND SPECIALTY ENGINEER'S SPECIFICATIONS.
6. CONSTRUCT ASPHALT FLUMES
7. SOD ALL DISTURBED SURFACES
8. REMOVE ALL EROSION CONTROL DEVICES

RIPRAP BANK PROTECTION OPTION

1. REMOVE ALL EXISTING SUBSTANDARD RIP-RAP PRIOR TO PLACING NEW RIP-RAP.
2. COMPACTED FILL SHALL BE COMPACTED TO 95% OF MAXIMUM DRY DENSITY AS DETERMINED BY MODIFIED PROCTOR ASTM D-1557.
3. RUBBLE RIP-RAP, BANK AND SHORE, SHALL BE GRADE (W50=300 LBS) ROCK; BLANKET THICKNESS 2'-6" W/ FILTER FABRIC TYPE D-2, FDOT STANDARD INDEX NUMBER 199.

NOTE: DO NOT USE RECYCLED RIP-RAP RUBBLE.

ARTICULATING GROUT FILLED MATTRESS OPTION

1. ARTICULATING GROUT FILLED MATTRESS SHALL BE HYDROTEX AB800 OR EQUIVALENT.
2. REMOVE ALL EXISTING SUBSTANDARD RIP-RAP PRIOR TO PLACING NEW RIP-RAP AND ARTICULATING GROUT FILLED MATTRESS IN ACCORDANCE WITH SPECIALTY ENGINEER'S REQUIREMENTS.
3. COMPACTED FILL SHALL BE COMPACTED TO 95% OF MAXIMUM DRY DENSITY AS DETERMINED BY MODIFIED PROCTOR ASTM D-1557. FILL SHALL MEET THE HYDROTEX OR SPECIALTY ENGINEER'S REQUIREMENTS.
4. ALL ASSOCIATED COST OF INSTALLING ARTICULATING GROUT FILLED MATTRESS, INCLUDING, BUT NOT LIMITED TO, SPECIALTY ENGINEER'S FEES, UNDERWATER WORK, DIVERS, SPECIALTY ENGINEER'S SPECIFIED FILL, DEBRIS REMOVAL, EROSION CONTROL, SURVEY, JETTING, DEWATERING AND/OR EXCAVATION SHALL BE INCLUDED IN THE BID PRICE OF GROUT FILLED ARTICULATING MATTRESS.
5. SPECIALTY ENGINEER SHALL PROVIDE SIGNED AND SEALED DRAWINGS, CALCULATIONS AND SPECIFICATIONS FOR MATTRESS DESIGN INCLUDING LENGTH, WIDTH, ANCHORAGE DETAILS AND RECOMMENDATIONS.
6. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
7. CONTRACTOR SHALL ORDER AT LEAST 900 SF ADDITIONAL BULK FABRIC FORM FOR SPECIAL TAILORING AROUND DRAINS, HEADWALLS AND FIELD CHANGES.
8. WHENEVER THE CONCRETE LININGS, MATS OR ARMOR UNITS EXTEND PARTIALLY OR ENTIRELY UNDERWATER, IT MAY BE NECESSARY FOR THE CONTRACTOR TO PERFORM AN UNDERWATER INSPECTION AND TO DRESS THE AREAS WITH HAND TOOLS PRIOR TO PLACEMENT OF THE FABRIC FORMS. STEPPED OR SCALLOPED SLOPES SHOULD BE LEVELED FIRST BY DRAGGING A STEEL BEAM OR CHANNEL OVER THE SLOPE. UNDERWATER INSTALLATION MAY BE FACILITATED IF A LEVELING COURSE OF GRANULAR MATERIAL IS PLACED AND DRESSED PRIOR TO PLACEMENT OF THE FABRIC FORMS.
9. SLOPES - THE PREPARED AREAS SHOULD NOT BE MORE THAN 2.5 INCHES BELOW THE GRADES INDICATED ON THE SPECIALTY ENGINEER'S CONTRACT DRAWINGS, AND SHOULD NOT VARY MORE THAN 1.5 INCHES IN 10 FEET AS MEASURED WITH A STRAIGHTEDGE. WHERE SUCH AREAS ARE UNDERWATER, THEY SHOULD BE BACKFILLED WITH CRUSHED ROCK OR STONE CONFORMING TO THE GRADING AND QUALITY REQUIREMENTS OF 0.75 INCH MAXIMUM SIZE COARSE AGGREGATE FOR CONCRETE.
10. FLANK, ANCHOR (SIDE) AND TOE TRENCHES OR APRONS SHOULD BE EXCAVATED ALONG THE LINES, GRADES AND DIMENSIONS SHOWN ON THE SPECIALTY ENGINEER'S DRAWINGS. TRENCHING EQUIPMENT WORKS WELL PROVIDED THE UPPER INSIDE EDGE OF THE TRENCH IS ROUNDED BY HAND IN ORDER THAT THE FABRIC FORMED CONCRETE LINING OR MAT EXTENDS OVER A CURVE RATHER THAN A CORNER AT THE SLOPE-TO-TRENCH TRANSITION.
11. PLACEMENT OF FABRIC FORM PANELS INTO TRENCHES - AFTER THE FABRIC FORM PANELS HAVE BEEN POSITIONED, THE DESIGNATED SIDES OF THE PANELS SHOULD BE FOLDED INTO THE ANCHOR TRENCH, FLANK TRENCHES AND TOE TRENCH. UNDERWATER PLACEMENT OF FABRIC FORMS MAY REQUIRE THE USE OF DIVERS. THE DIVERS CAN PREPARE THE FINISHED GRADING, INSPECT THE AREA TO BE PROTECTED, AND POSITION AND SECURE THE FILTER FABRIC AND FABRIC FORMS. THE SECURING OF THE FABRIC MAY REQUIRE SAND BAGS OR WEIGHTS, OR LINES TIED FROM SHORE TO HOLD THE FABRIC IN POSITION.

<table border="1"> <thead> <tr> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>			DATE	BY	DESCRIPTION				ENGINEER OF RECORD:  JOHN F. SLIGER II, P.E. P.E. #55550	 REGISTE, SLIGER ENGINEERING, INC. CIVIL AND STRUCTURAL ENGINEERING CONSULTANT CERT. OF AUTHORIZATION # 9292 1427 N. Bronough Street - Tallahassee, FL 32303 PHONE: (850) 894-4521 - FAX: (850) 224-0505	 LEON COUNTY DEPARTMENT OF PUBLIC WORKS 2280 MICCOSUKEE ROAD, TALLAHASSEE, FLORIDA 32308 PHONE (850) 488-8003 * FAX (850) 488-1260	GENERAL NOTES AND DETAILS PROJECT NAME: <b>SPRING HILL ROAD                  EMBANKMENT REPAIR</b>	SHEET NO. <b>S-1</b>
DATE	BY	DESCRIPTION											

PAY ITEM FOOTNOTES

104-13- 1 BASED ON REPLACEMENT EVERY 12 MONTHS.

110-3 INCLUDES REMOVAL OF 180 S.F. OF CONCRETE WALL.

SUMMARY OF SAND/CEMENT BAGS									
LOCATION		SIDE	P			F			FIELD BOOK REFERENCE
STA.	TO STA.		L	W	CY	L	W	SF	
ENDBENT 1		RT/LT			12.0				
ENDBENT 2		RT/LT			12.0				
TOTAL					24.0				

SUMMARY OF ROCK BAGS									
LOCATION		SIDE	P			F			FIELD BOOK REFERENCE
STA.	TO STA.		L	W	EA.	L	W	SF	
BEGIN BRIDGE		LT			5				
BEGIN BRIDGE		RT			5				
BEGIN BRIDGE		LT			5				
BEGIN BRIDGE		RT			5				
TOTAL					20				

SUMMARY OF MISCELLANEOUS ASPHALT									
LOCATION		SIDE	FLUME		OTHER			REMARKS	
STA.	TO STA.		THICK (IN)	SY		THICK (IN)	SY		
				P	F		P		F
BEGIN BRIDGE		LT	5"	5.5					
BEGIN BRIDGE		RT	5"	5.5					
END BRIDGE		LT	5"	5.5					
END BRIDGE		RT	5"	5.5					
TOTAL				22					

NOTE:

1. COST OF REMOVAL OF (U) ASPHALT FLUME TO BE INCLUDED IN COST OF MISCELLANEOUS ASPHALT.

SUMMARY OF EARTHWORK			
DESCRIPTION		CY	
		P	F
EMBANKMENT			
BEGIN BRIDGE		100	
END BRIDGE		100	
TOTAL EMBANKMENT		200	

NOTE:

1. EARTHWORK SHOWN ARE IN-PLACE VOLUMES. NO INCREASE OF DECREASE FOR CLEARING AND GRUBBING. NO SHRINKAGE OR SWELLING ADJUSTMENTS HAVE BEEN MADE.

SUMMARY OF HYDROTEx									
LOCATION		SIDE	P			F			FIELD BOOK REFERENCE
STA.	TO STA.		L	W	SF	L	W	SY	
BEGIN BRIDGE		LT/RT	40	47	2162				
END BRIDGE		LT/RT	40	47	2162				
MISCELLANEOUS		LT/RT	20	20	460				
TOTAL					4784				

PLACEMENT OF TURBIDITY BARRIER

STATION	SIDE	LENGTH (FT)	REMARKS
BEGIN BRIDGE	LT/RT	160'	
END BRIDGE	LT/RT	160'	
TOTAL		320'	

L - INDICATES LEFT OF & CONSTRUCTION  
R - INDICATES RIGHT OF & CONSTRUCTION

PLACEMENT OF SILT FENCE

STATION	SIDE	LENGTH (FT)	REMARKS
BEGIN BRIDGE	LT	65'	
BEGIN BRIDGE	RT	65'	
END BRIDGE	LT	65'	
END BRIDGE	RT	65'	
TOTAL		260'	

L - INDICATES LEFT OF & CONSTRUCTION  
R - INDICATES RIGHT OF & CONSTRUCTION

SUMMARY OF RIPRAP DITCH LINING

LOCATION		SIDE	P			F			FIELD BOOK REFERENCE
STA.	TO STA.		L	W	SF	L	W	SY	
BEGIN BRIDGE		RT	15	10	150				
BEGIN BRIDGE		LT	15	10	150				
END BRIDGE		RT	15	10	150				
END BRIDGE		LT	15	10	150				
TOTAL					600				

SUMMARY OF RIPRAP BANK AND SHORE

LOCATION		SIDE	P			F			FIELD BOOK REFERENCE
STA.	TO STA.		L	W	SF	L	W	SY	
BEGIN BRIDGE		LT/RT	25	6	150				
END BRIDGE		LT/RT	25	6	150				
TOTAL					300				

NOTE:

1. COST OF FILTER FABRIC TYPE D-2 TO BE INCLUDED IN THE COST OF RIPRAP.  
2. COST OF REMOVAL OF EXISTING RIPRAP AND DEBRIS TO BE INCLUDED IN COST OF RIPRAP.

REMOVAL OF EXISTING STRUCTURE

LOCATION		SIDE	P			F			FIELD BOOK REFERENCE
STA.	TO STA.		L	W	SF	L	W	SY	
BEGIN BRIDGE		LT/RT	30	6	180				
TOTAL					180				

UNDERWATER DEBRIS REMOVAL

LOCATION		SIDE	P			F			FIELD BOOK REFERENCE
STA.	TO STA.		L	W	CY	L	W	SY	
BEGIN BRIDGE		LT/RT	30	3	12				
END BRIDGE		LT/RT	30	3	12				
TOTAL					24				

DATE	BY	DESCRIPTION	<p>ENGINEER OF RECORD</p>  <p>JOHN F. SLIGER II, P.E. P.E. #55550</p>	 <p>REGISTE, SLIGER ENGINEERING, INC. CIVIL AND STRUCTURAL ENGINEERING CONSULTANT CERT. OF AUTHORIZATION # 9292 1427 N. Bronough Street - Tallahassee, FL 32303 PHONE (850) 894-4521 - FAX (850) 224-0505</p>	 <p>LEON COUNTY DEPARTMENT OF PUBLIC WORKS 2280 MICCOSUKEE ROAD, TALLAHASSEE, FLORIDA 32308 PHONE (850) 488-8003 * FAX (850) 488-1260</p>	<p>SUMMARY OF QUANTITIES (HYDROTEx OPTION)</p> <p>PROJECT NAME: <b>SPRING HILL ROAD EMBANKMENT REPAIR</b></p>	<p>SHEET NO. <b>S-2</b></p>
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PAY ITEM FOOTNOTES

104-13- 1 BASED ON REPLACEMENT EVERY 12 MONTHS.  
 110-3 INCLUDES REMOVAL OF 180 S.F. OF CONCRETE WALL.

PLACEMENT OF TURBIDITY BARRIER			
STATION	SIDE	LENGTH (FT)	REMARKS
BEGIN BRIDGE	LT/RT	160'	
END BRIDGE	LT/RT	160'	
TOTAL		320'	

L - INDICATES LEFT OF € CONSTRUCTION  
 R - INDICATES RIGHT OF € CONSTRUCTION

PLACEMENT OF SILT FENCE			
STATION	SIDE	LENGTH (FT)	REMARKS
BEGIN BRIDGE	LT	65'	
BEGIN BRIDGE	RT	65'	
END BRIDGE	LT	65'	
END BRIDGE	RT	65'	
TOTAL		260'	

L - INDICATES LEFT OF € CONSTRUCTION  
 R - INDICATES RIGHT OF € CONSTRUCTION

SUMMARY OF SAND/CEMENT BAGS								
LOCATION STA. TO STA.	SIDE	P			F			FIELD BOOK REFERENCE
		L	W	CY	L	W	SF	
ENDBENT 1	RT/LT			12.0				
ENDBENT 2	RT/LT			12.0				
TOTAL				24.0				

SUMMARY OF ROCK BAGS								
LOCATION STA. TO STA.	SIDE	P			F			FIELD BOOK REFERENCE
		L	W	EA.	L	W	SF	
BEGIN BRIDGE	LT			5				
BEGIN BRIDGE	RT			5				
BEGIN BRIDGE	LT			5				
BEGIN BRIDGE	RT			5				
TOTAL				20				

SUMMARY OF RIPRAP DITCH LINING								
LOCATION STA. TO STA.	SIDE	P			F			FIELD BOOK REFERENCE
		L	W	SF	L	W	SY	
BEGIN BRIDGE	RT	15	10	150				
BEGIN BRIDGE	LT	15	10	150				
END BRIDGE	RT	15	10	150				
END BRIDGE	LT	15	10	150				
TOTAL				600				

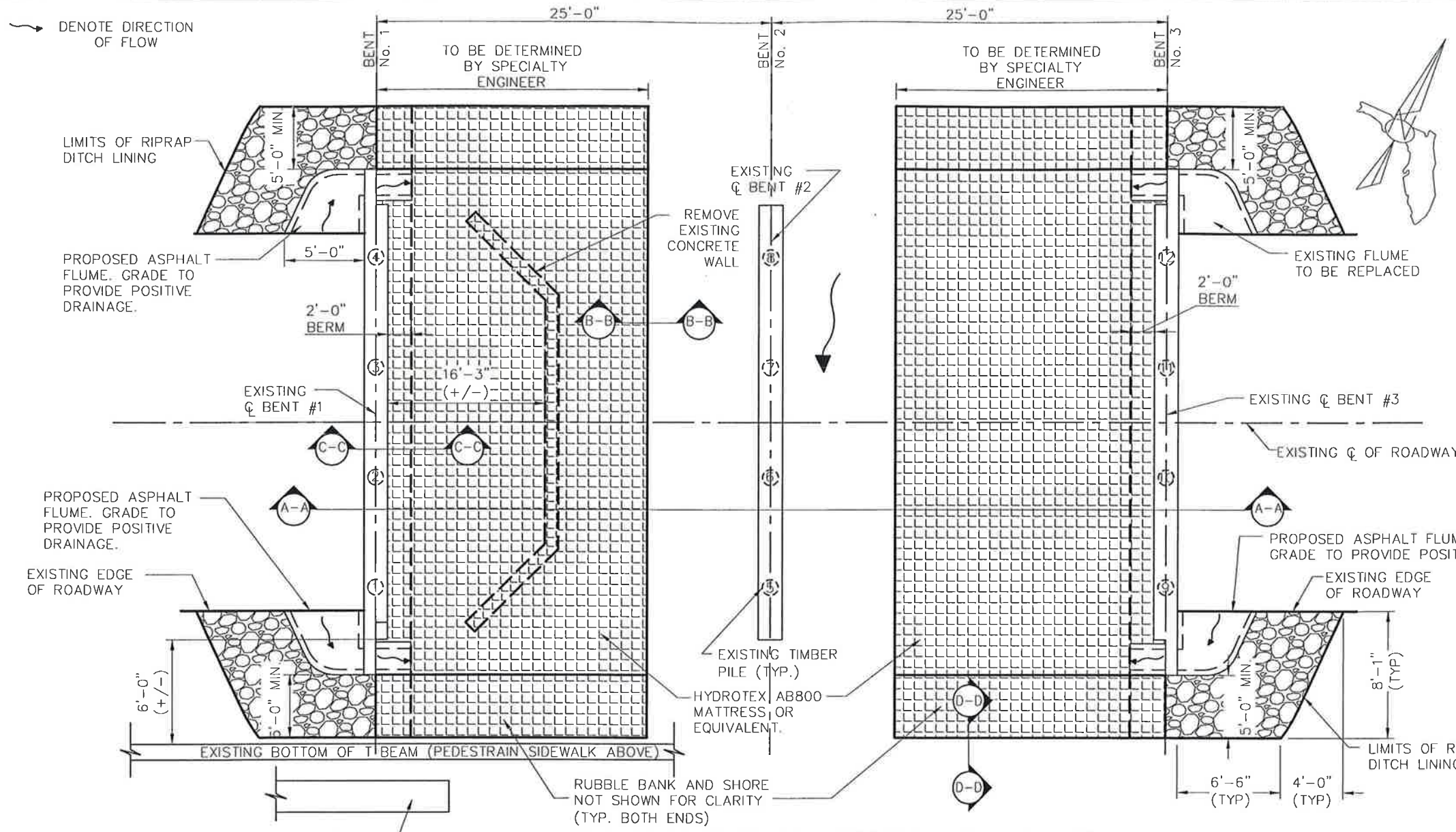
SUMMARY OF RIPRAP BANK AND SHORE								
LOCATION STA. TO STA.	SIDE	P			F			FIELD BOOK REFERENCE
		L	W	SF	L	W	SY	
BEGIN BRIDGE	LT/RT	30	44	1320				
END BRIDGE	LT/RT	30	44	1320				
TOTAL				2640				

SUMMARY OF MISCELLANEOUS ASPHALT								
LOCATION STA. TO STA.	SIDE	FLUME			OTHER			REMARKS
		THICK (IN)	SY		THICK (IN)	SY		
			P	F		P	F	
BEGIN BRIDGE	LT	5"	5.5					
BEGIN BRIDGE	RT	5"	5.5					
END BRIDGE	LT	5"	5.5					
END BRIDGE	RT	5"	5.5					
TOTAL			22					

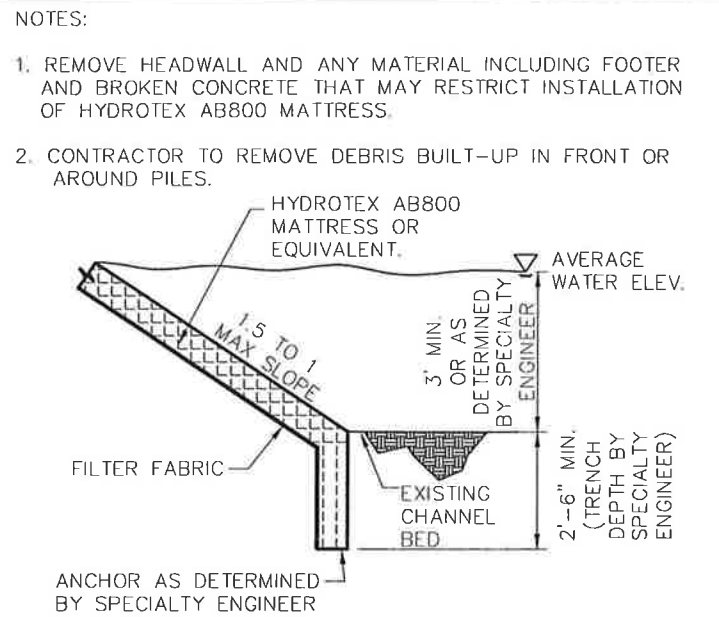
NOTE:  
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NOTE:  
 1. COST OF FILTER FABRIC TYPE D-2 TO BE INCLUDED IN THE COST OF RIPRAP.  
 2. COST OF REMOVAL OF EXISTING RIPRAP AND DEBRIS TO BE INCLUDED IN COST OF RIPRAP.

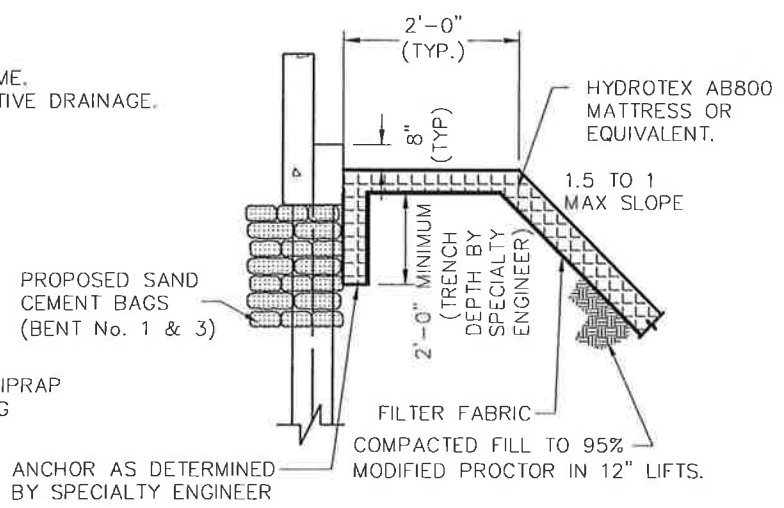
REMOVAL OF EXISTING STRUCTURE								
LOCATION STA. TO STA.	SIDE	P			F			FIELD BOOK REFERENCE
		L	W	SF	L	W	SY	
BEGIN BRIDGE	LT/RT	30	6	180				
TOTAL				180				



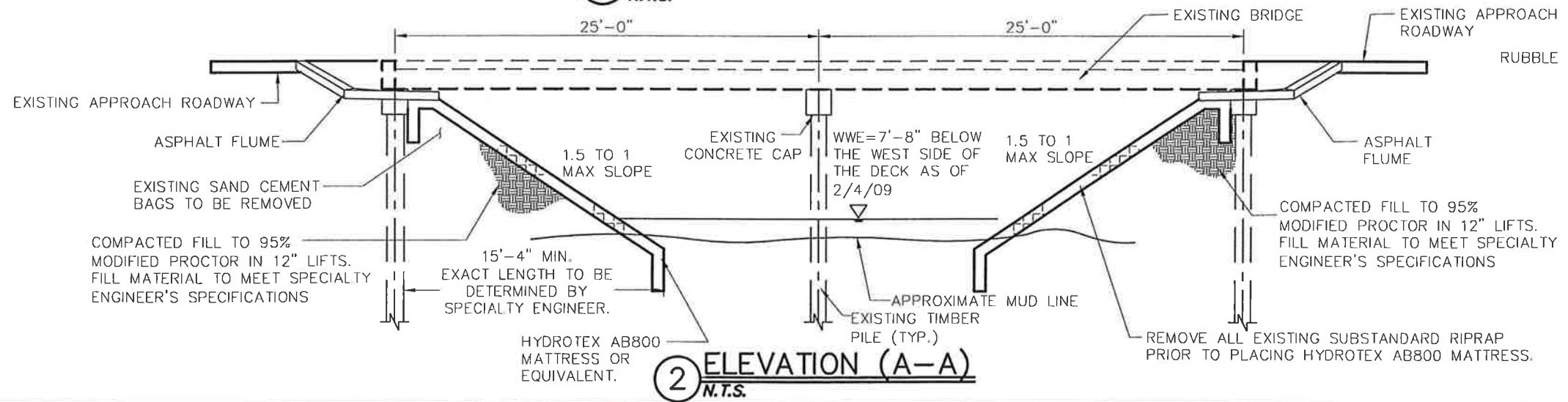
**1 EMBANKMENT PROTECTION PLAN VIEW**  
N.T.S.



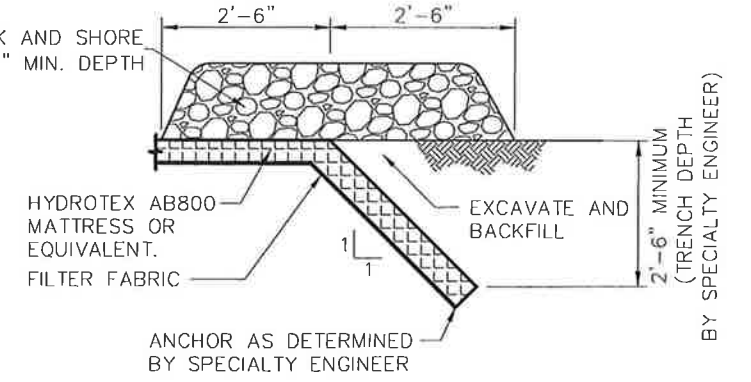
**3 SECTION B-B**  
N.T.S.



**4 SECTION C-C**  
N.T.S.

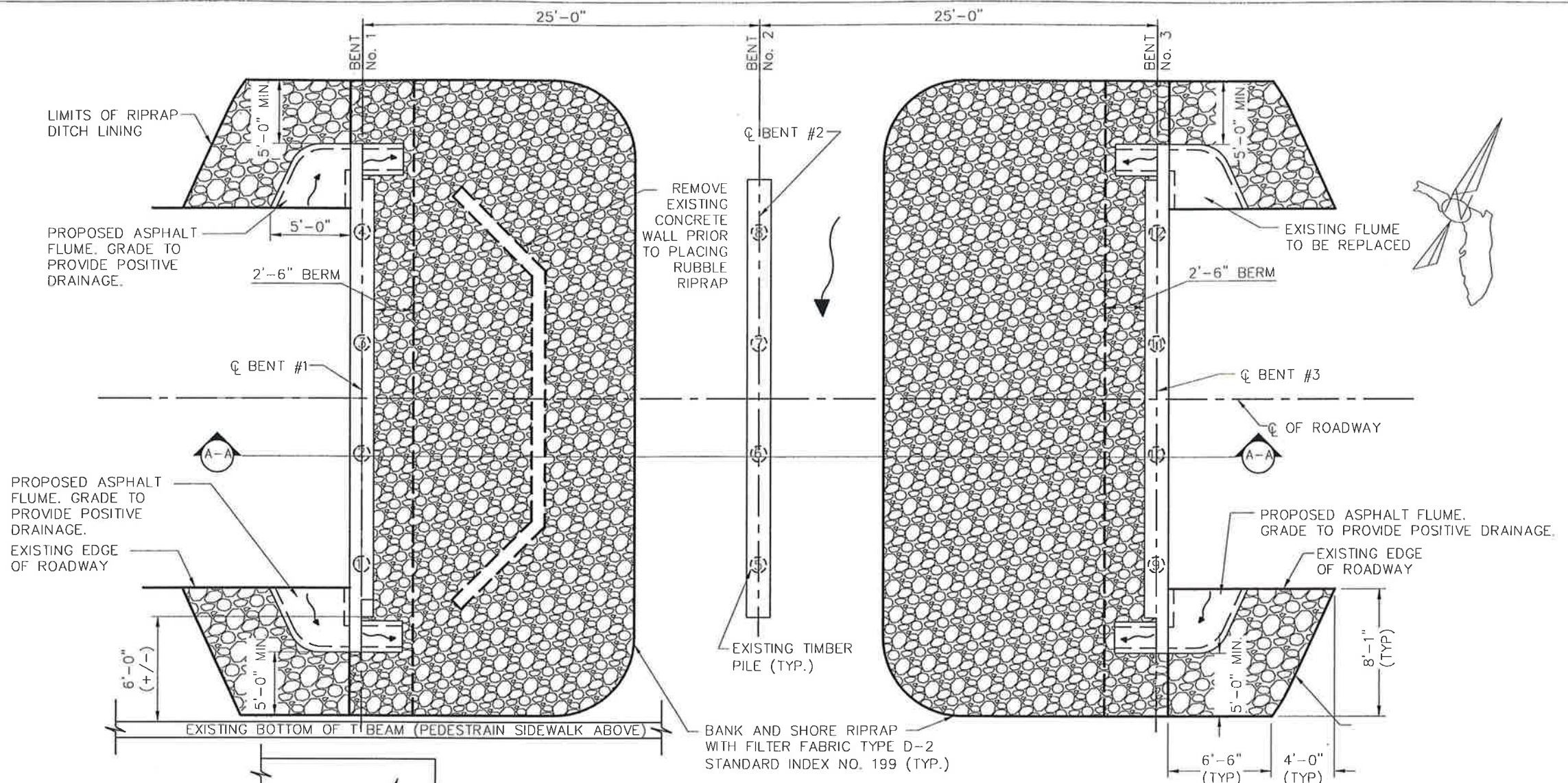


**2 ELEVATION (A-A)**  
N.T.S.

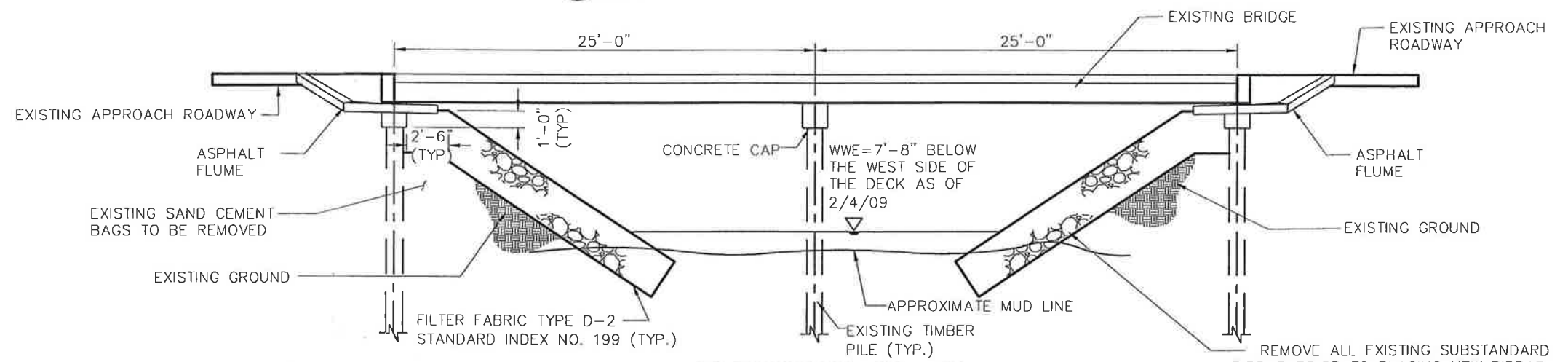


**5 SECTION D-D**  
N.T.S.

DATE	BY	DESCRIPTION	ENGINEER OF RECORDS	REGISTERED ENGINEERING CONSULTANT	LEON COUNTY DEPARTMENT OF PUBLIC WORKS	PLAN AND ELEVATION (HYDROTEX AB800 MATTRESS OPTION)	SHEET NO.
			John F. Sliger II, P.E. #55550	REGISTE, SLIGER ENGINEERING, INC. CIVIL AND STRUCTURAL ENGINEERING CONSULTANT CERT. OF AUTHORIZATION # 9292 1427 N. Bronough Street - Tallahassee, FL 32303 PHONE: (850) 894-4521 - FAX: (850) 224-0505	2280 MICCOSUKEE ROAD, TALLAHASSEE, FLORIDA 32308 PHONE (850) 488-8003 * FAX (850) 488-1260	PROJECT NAME: <b>SPRING HILL ROAD EMBANKMENT REPAIR</b>	<b>S-4</b>




**1 ENBANKMENT PROTECTION PLAN VIEW**  
N.T.S.



**2 ELEVATION (A-A)**  
N.T.S.

DATE	BY	DESCRIPTION

ENGINEER OF RECORD:  
  
 23 JUN 2010  
 JOHN F. SLIGER II, P.E.  
 P.E. #55550



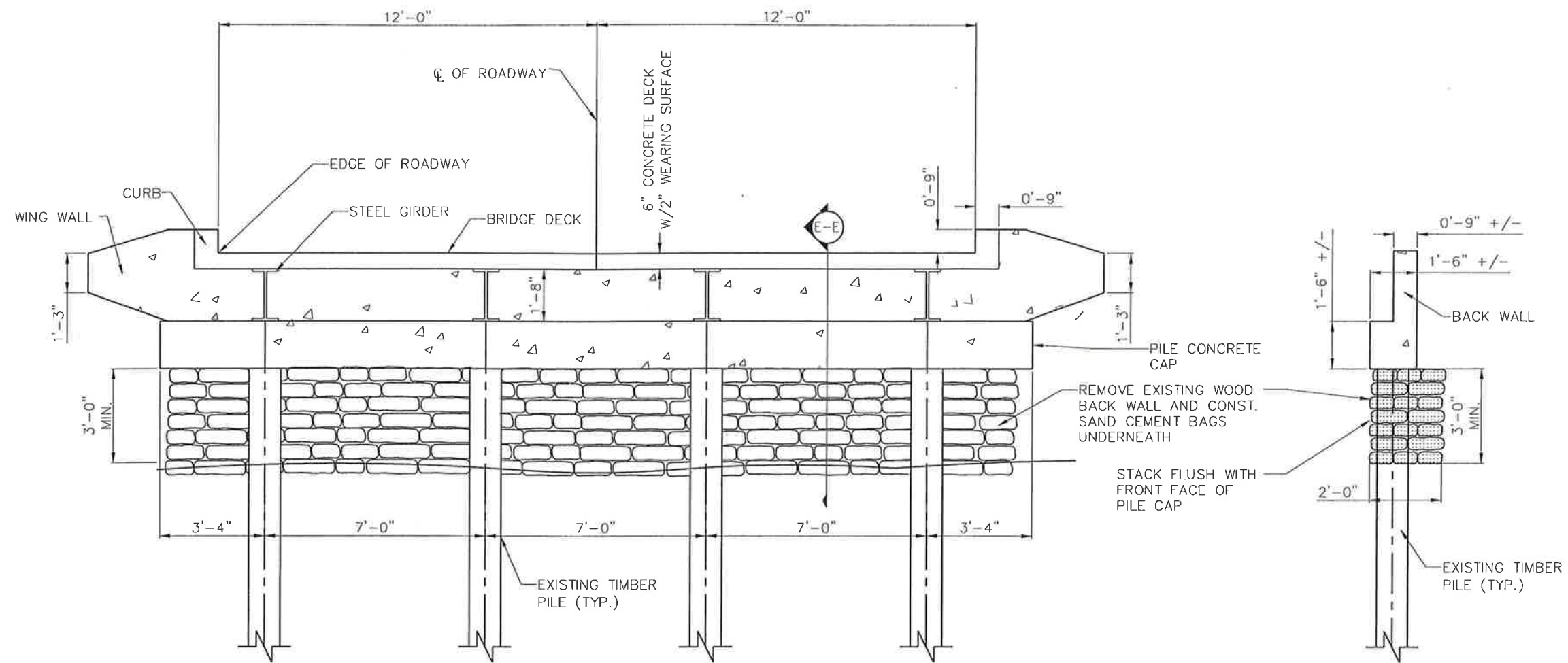
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 CERT. OF AUTHORIZATION # 9292  
 1427 N. Bronough Street - Tallahassee, FL 32303  
 PHONE: (850) 894-4521 - FAX: (850) 224-0505



LEON COUNTY DEPARTMENT OF PUBLIC WORKS  
 2280 MICCOSUKEE ROAD, TALLAHASSEE, FLORIDA 32308  
 PHONE (850) 488-8003 \* FAX (850) 488-1260

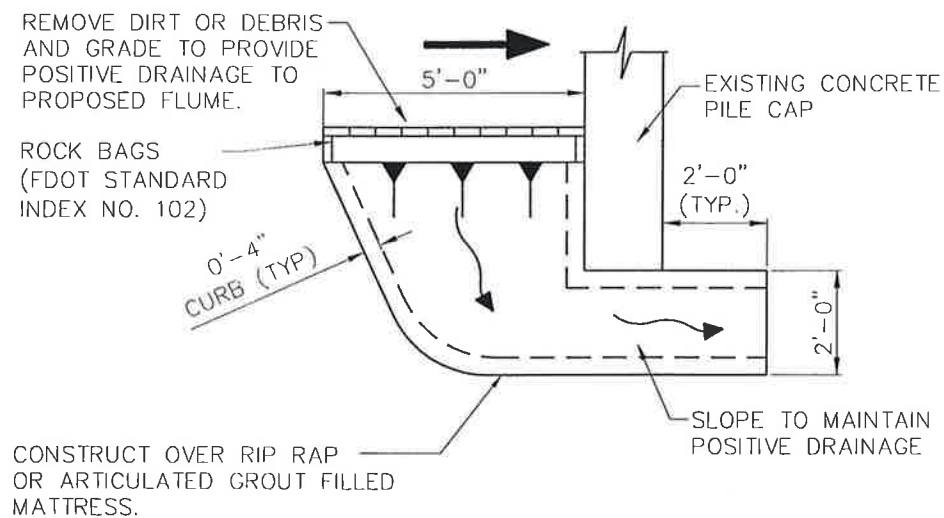
PLAN AND ELEVATION  
 (RIPRAP OPTION)  
 PROJECT NAME: **SPRING HILL ROAD EMBANKMENT REPAIR**

SHEET NO.  
**S-5**

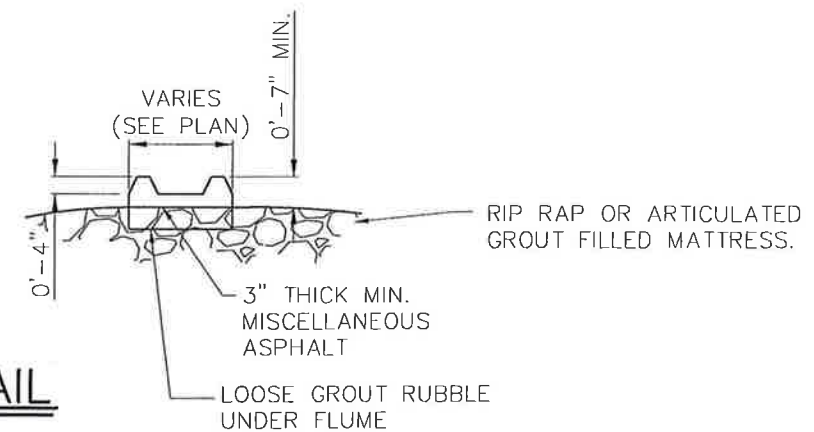


**1** BENT NO. 1 & 3 ABUTMENT ELEVATION  
N.T.S.


**2** SECTION (E-E)  
N.T.S.




**3** FLUME DETAIL  
N.T.S.



DATE	BY	DESCRIPTION

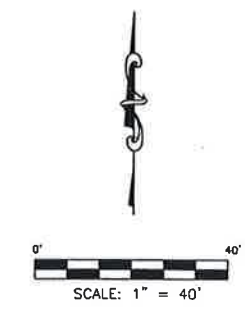
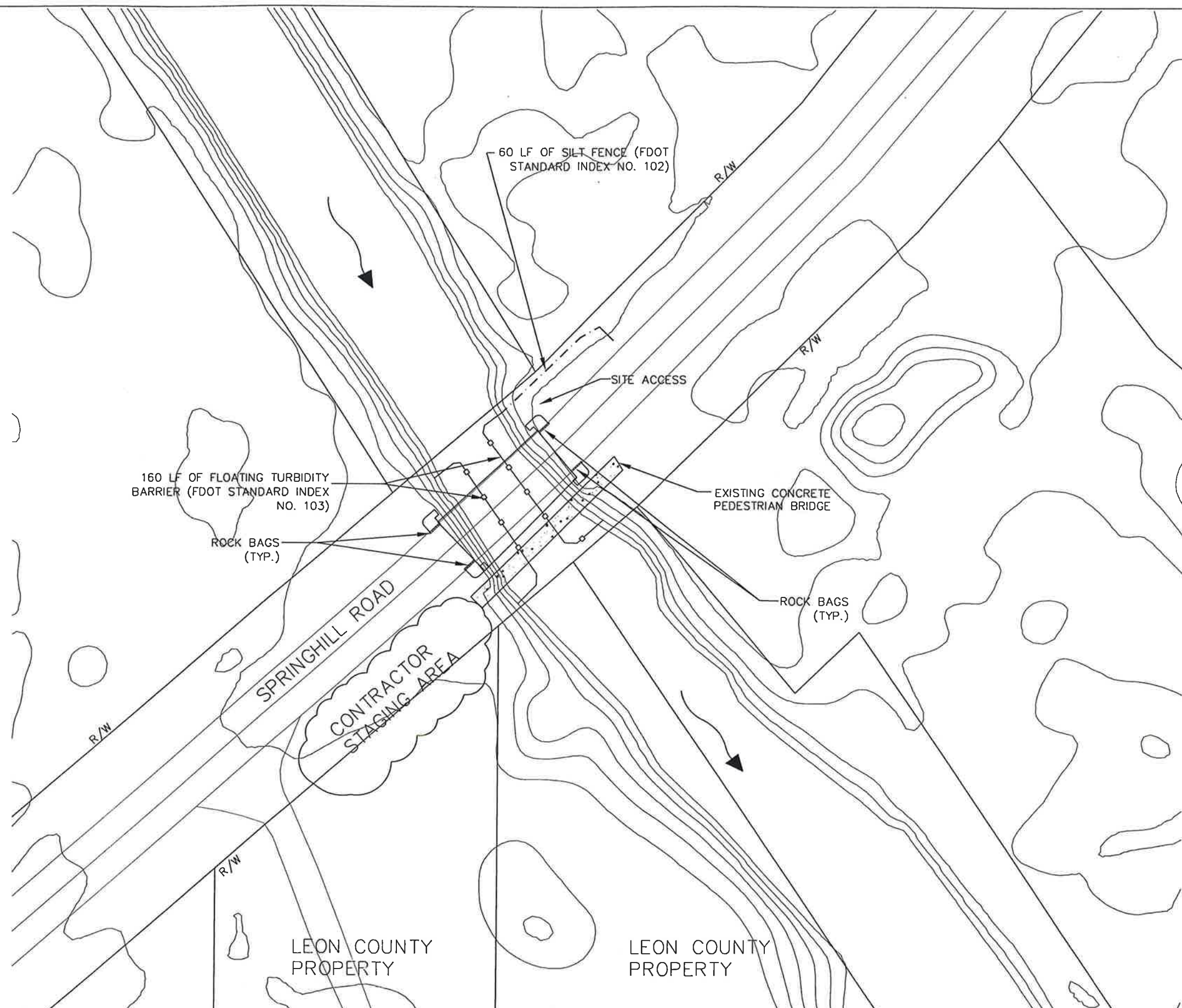
ENGINEER OF RECORD:  
  
 25 JUN 2010  
 JOHN F. SLIGER II, P.E.  
 P.E. #55550

 **REGISTE, SLIGER ENGINEERING, INC.**  
 CIVIL AND STRUCTURAL ENGINEERING CONSULTANT  
 CERT. OF AUTHORIZATION # 9292  
 1427 N. Bronough Street - Tallahassee, FL 32303  
 PHONE (850) 894-4521 - FAX (850) 224-0505

 **LEON COUNTY DEPARTMENT OF PUBLIC WORKS**  
 2280 MICCOSUKEE ROAD, TALLAHASSEE, FLORIDA 32308  
 PHONE (850) 488-8003 • FAX (850) 488-1260

**BENT NO 1 & 3  
 ABUTMENT SECTION AND ELEVATION**  
 PROJECT NAME: **SPRING HILL ROAD  
 EMBANKMENT REPAIR**

SHEET NO.  
**S-6**



NOTE:  
GIS DATA PROVIDED BY LEON  
COUNTY PUBLIC WORKS DEPARTMENT

DATE	BY	DESCRIPTION

ENGINEER OF RECORD:  
*John F. Sliger II*  
23 JUN 2010  
JOHN F. SLIGER II, P.E.  
P.E. #55550

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**CONSTRUCTION STAGING  
AND EROSION CONTROL**  
PROJECT NAME:  
**SPRING HILL ROAD  
EMBANKMENT REPAIR**

SHEET  
NO.  
**S-7**