

**SECTION 905 -- PROPOSAL (CONTINUED)**

I (We) further propose to execute the attached contract agreement (Section 902) as soon as the work is awarded to me (us), and to begin and complete the work within the time limit(s) provided for in the Specifications and Advertisement. I (We) also propose to execute the attached contract bond (Section 903) in an amount not less than one hundred (100) percent of the total of my (our) part, but also to guarantee the excellence of both workmanship and materials until the work is finally accepted.

I (We) enclose a certified check, cashier's check or bid bond for **five percent (5%) of total bid** and hereby agree that in case of my (our) failure to execute the contract and furnish bond within Ten (10) days after notice of award, the amount of this check (bid bond) will be forfeited to the State of Mississippi as liquidated damages arising out of my (our) failure to execute the contract as proposed. It is understood that in case I am (we are) not awarded the work, the check will be returned as provided in the Specifications.

Bidder acknowledges receipt of and has added to and made a part of the proposal and contract documents the following addendum (addenda):

ADDENDUM NO.   1   DATED   10/20/2014   ADDENDUM NO.            DATED             
 ADDENDUM NO.            DATED            ADDENDUM NO.            DATED           

Number	Description
1	Revised plan sheets 2, 3, 4, 14, 139, 140, 141, and 142; EBS Amendment Download Required

TOTAL ADDENDA:   1    
 (Must agree with total addenda issued prior to opening of bids)

Respectfully Submitted,

DATE \_\_\_\_\_

\_\_\_\_\_  
 Contractor

BY \_\_\_\_\_  
 Signature

TITLE \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY, STATE, ZIP \_\_\_\_\_

PHONE \_\_\_\_\_

FAX \_\_\_\_\_

E-MAIL \_\_\_\_\_

(To be filled in if a corporation)

Our corporation is chartered under the Laws of the State of \_\_\_\_\_ and the names, titles and business addresses of the executives are as follows:

_____ President	_____ Address
_____ Secretary	_____ Address
_____ Treasurer	_____ Address

The following is my (our) itemized proposal.

Revised 09/21/2005

SP-9999-06(016) / 106672301

Forrest County(ies)

# ADDENDUM

STATE PROJECT NO.  
MISS. SP-9999-06(016)

DESCRIPTION OF SHEET	WKG. NO.	SH. NO.	DESCRIPTION OF SHEET	WKG. NO.	SH. NO.
<b>TITLE SHEET ( 1 )</b>		1	<b>INTERSECTION DETAIL SHEETS ( 6 )</b>		
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DETAILED INDEX	DI-2	3	INTERSECTION DETAIL - US HWY 49 CROSSOVER AT STA. 535+89	ID-3	48
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GENERAL NOTES	GN-1	5	INTERSECTION DETAIL - US HWY 49 AT MOORE ROAD	ID-5	50
			INTERSECTION DETAIL - US HWY 49 AT RALSTON ROAD	ID-6	51
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TYPICAL SECTIONS - US HIGHWAY 49 AT SOUTHGATE ROAD	TS-2	7	FORM GRADES - US HWY 49 AT SOUTHGATE ROAD	FG-2	53
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TYPICAL SECTIONS - US HIGHWAY 49 - SOUTHBOUND PARTIAL SECTIONS	TS-4	9	<b>TRAFFIC CONTROL PLANS ( 13 )</b>		
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TYPICAL SECTIONS - US HIGHWAY 49	TS-6	11	TEMPORARY TRAFFIC SIGNAL PLAN - US HWY 49 AT SOUTHGATE ROAD	TTSI-1	55
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			TRAFFIC CONTROL PLAN - PHASE III - STA. 662+00 TO STA. 684+00	TC-5	60
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PS & E PLANS-DATE 04/24/14		
FMS CON. # 106672/301000		
REVISIONS		
DATE	SHEET NO.	BY
9/11/14	16, 19, 20, 40, 99	CRH
9/30/14	14	CRH
10/16/14	3, 4, ADDED 139-142	CRH



MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
<b>DETAILED INDEX</b>	
PROJECT NO. SP-9999-06(016)	WORKING NUMBER
COUNTY: FORREST	DI-1
FILENAME: DI.DGN	SHEET NUMBER
DESIGN TEAM NS	2

10/16/2014 11:37:34 DI.DGN

# ADDENDUM

STATE	PROJECT NO.
MISS.	SP-9999-06(016)

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## PAVEMENT MARKING DETAILS ( 13 )

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PAVEMENT MARKING DETAILS - US HIGHWAY 49 - STA. 660+00 TO STA. 676+00	PMD-11	136
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RETAINING WALL (SB) BORING LOGS - STA. 618+50 - SITE NO. 14-18-1187	SB-2	140
RETAINING WALL (SB) BORING LOGS - STA. 618+50 - SITE NO. 14-18-1187	SB-3	141
RETAINING WALL (SB) BORING LOGS - STA. 690+50 - SITE NO. 14-18-1186	SB-4	142

## PERMANENT SIGNING PLANS ( 13 )

DESCRIPTION OF SHEET	WKG. NO.	SH. NO.
PERMANENT SIGNING PLAN - US HIGHWAY 49 - STA. 585+00 TO STA. 592+00	PSP-1	1001
PERMANENT SIGNING PLAN - US HIGHWAY 49 - STA. 592+00 TO STA. 534+00	PSP-2	1002
PERMANENT SIGNING PLAN - US HIGHWAY 49 - STA. 534+00 TO STA. 550+00	PSP-3	1003
PERMANENT SIGNING PLAN - US HIGHWAY 49 - STA. 550+00 TO STA. 565+00	PSP-4	1004
PERMANENT SIGNING PLAN - US HIGHWAY 49 - STA. 565+00 TO STA. 580+00	PSP-5	1005
PERMANENT SIGNING PLAN - US HIGHWAY 49 - STA. 580+00 TO STA. 596+00	PSP-6	1006
PERMANENT SIGNING PLAN - US HIGHWAY 49 - STA. 596+00 TO STA. 612+00	PSP-7	1007
PERMANENT SIGNING PLAN - US HIGHWAY 49 - STA. 612+00 TO STA. 628+00	PSP-8	1008
PERMANENT SIGNING PLAN - US HIGHWAY 49 - STA. 628+00 TO STA. 644+00	PSP-9	1009
PERMANENT SIGNING PLAN - US HIGHWAY 49 - STA. 644+00 TO STA. 660+00	PSP-10	1010
PERMANENT SIGNING PLAN - US HIGHWAY 49 - STA. 660+00 TO STA. 676+00	PSP-11	1011
PERMANENT SIGNING PLAN - US HIGHWAY 49 - STA. 676+00 TO STA. 692+00	PSP-12	1012
PERMANENT SIGNING PLAN - US HIGHWAY 49 - STA. 692+00 TO STA. 696+00	PSP-13	1013

## TRAFFIC SIGNAL INSTALLATION PLANS AND DETAILS ( 8 )

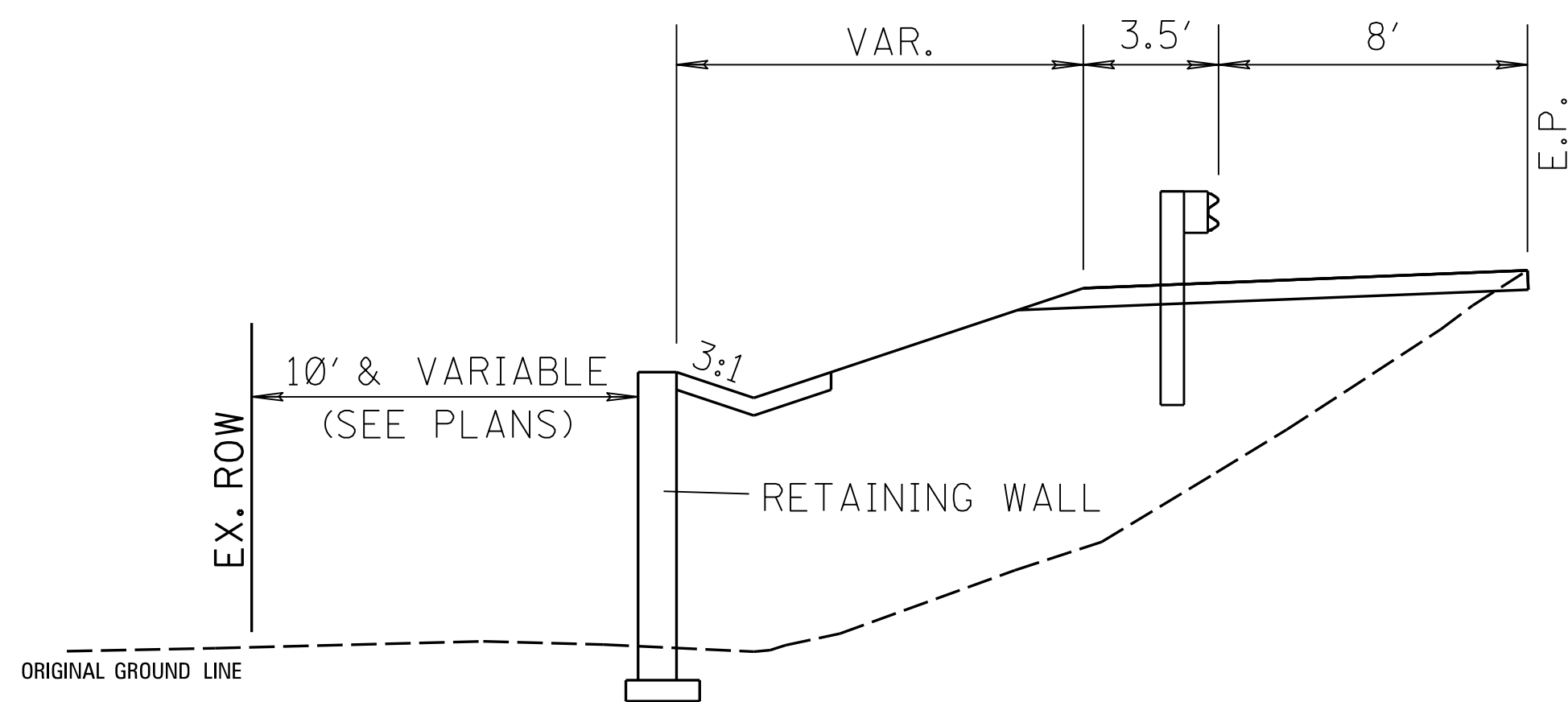
DESCRIPTION OF SHEET	WKG. NO.	SH. NO.
TRAFFIC SIGNAL PLAN - US HWY 49 AT CAMP SHELBY SOUTH GATE	TSI-1	2001
TRAFFIC SIGNAL PLAN - US HWY 49 AT CAMP SHELBY SOUTH GATE	TSI-2	2002
DETAIL OF TRAFFIC SIGNAL HEADS, TRAFFIC SIGNAL SIGNS, AND GENERAL NOTES	TSD-1	2003
LOOP DETECTOR DETAILS FOR TRAFFIC SIGNAL INSTALLATION	TSD-2	2004
PULL BOX AND CONDUIT TRENCHING DETAILS FOR TRAFFIC SIGNAL INSTALLATION	TSD-3	2005
TYPICAL DETAILS OF CONTROLLER CABINET MOUNTINGS, TYPE 1 POLE ATTACHMENTS AND MISCELLANEOUS DETAILS	TSD-5	2006
MAST ARM AND PEDESTAL POLE DETAILS FOR TRAFFIC SIGNAL INSTALLATION	TSD-6	2007
TRAFFIC CONTROL PLAN (TYPICAL SIGNAL INSTALLATION)	TSD-7	2008



MISSISSIPPI DEPARTMENT OF TRANSPORTATION <b>DETAILED INDEX</b>	
PROJECT NO. SP-9999-06(016) COUNTY: FORREST	WORKING NUMBER <b>DI-2</b>
FILENAME: DI.DGN	SHEET NUMBER <b>3</b>
DESIGN TEAM <u>NS</u> CHECKED _____ DATE _____	

10/16/2014 11:30:32 DI.DGN



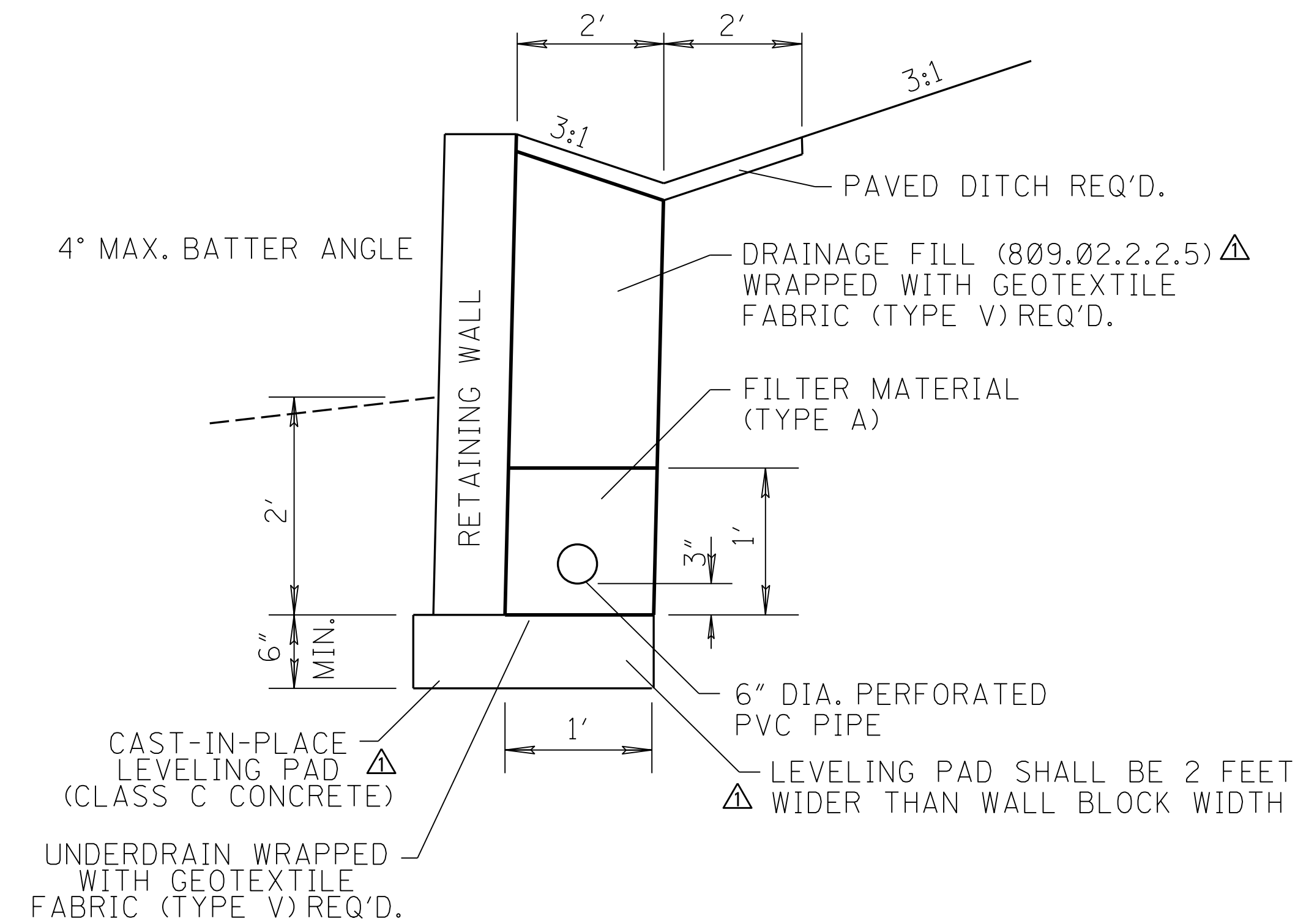


**TYPICAL SECTION**

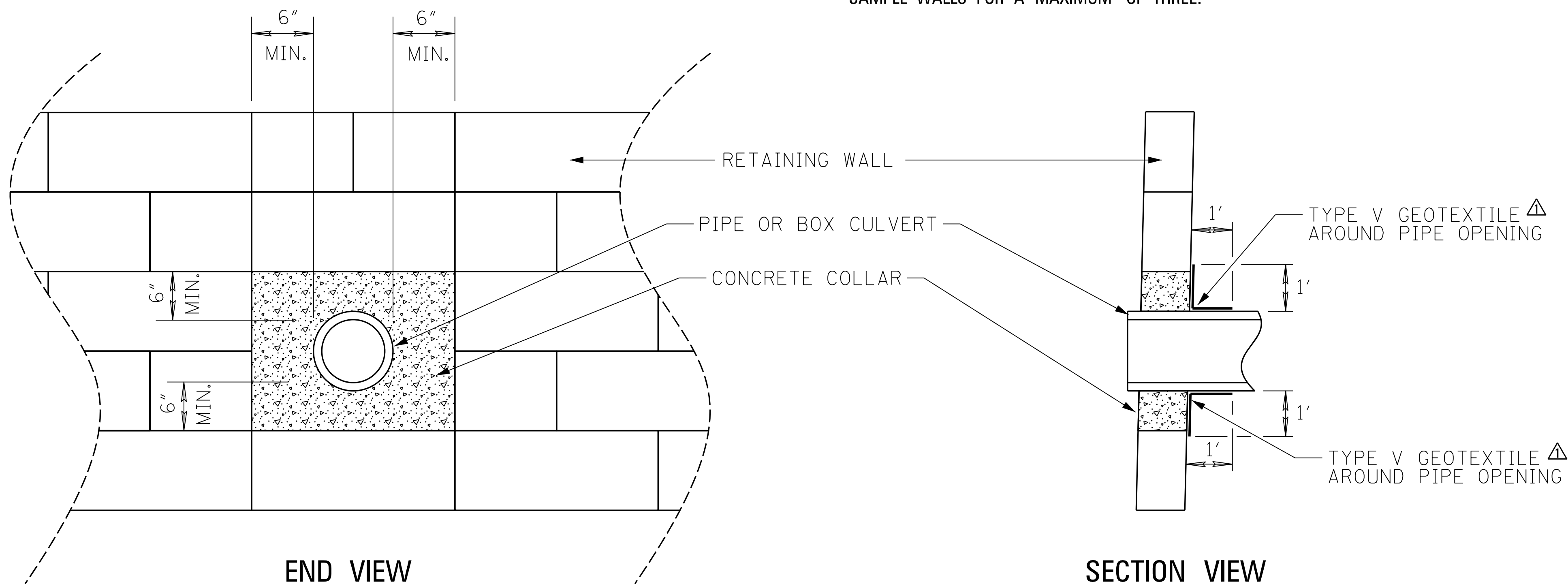
STA. 539+10 TO STA. 540+60 – SOUTHBOUND  
 STA. 556+60 TO STA. 557+60 – SOUTHBOUND  
 STA. 617+40 TO STA. 619+70 – SOUTHBOUND  
 STA. 632+80 TO STA. 634+80 – SOUTHBOUND  
 STA. 690+10 TO STA. 691+00 – SOUTHBOUND

**NOTES:**

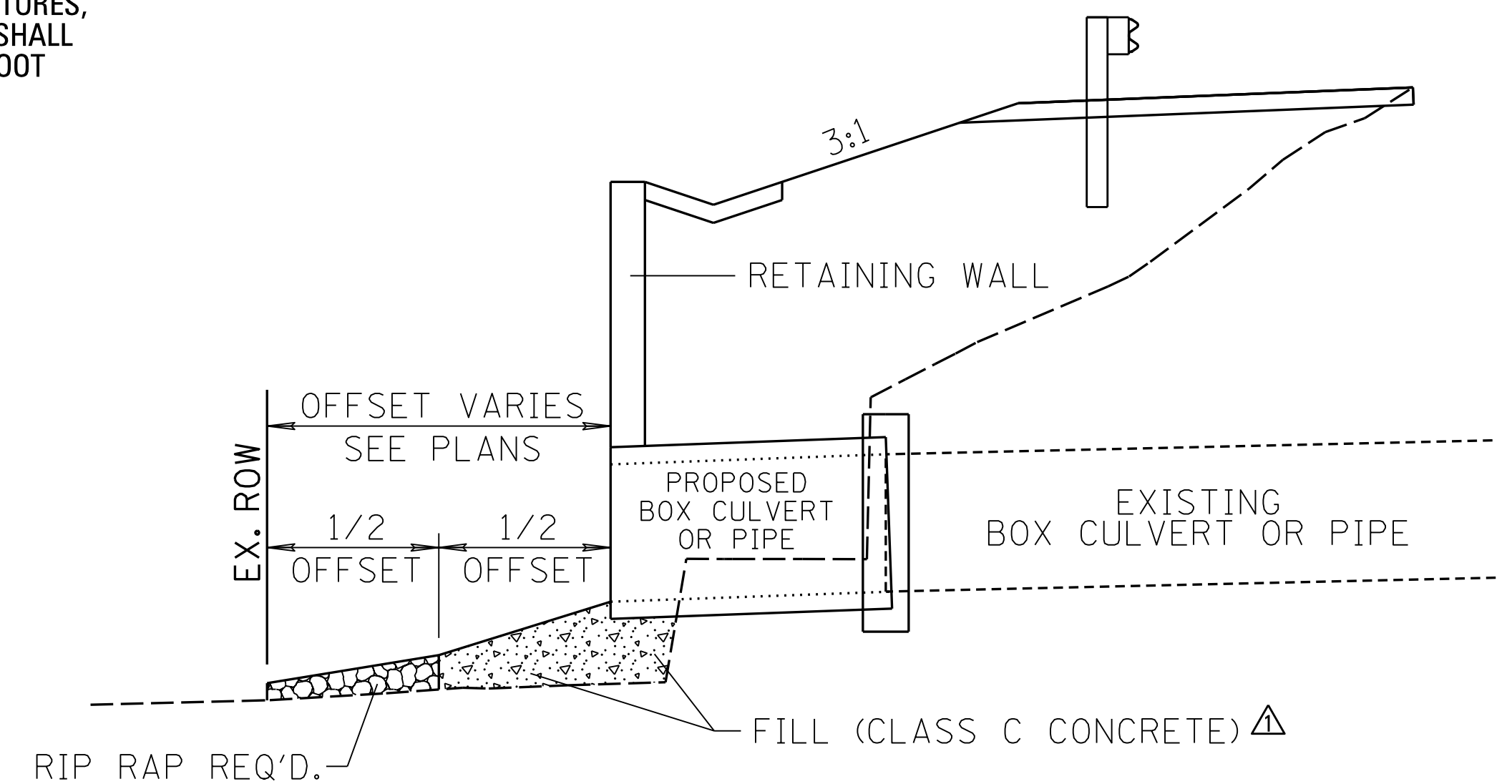
1. THE CONTRACTOR SHALL EMPLOY THE SERVICES OF A LICENSED PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF MISSISSIPPI WHO IS KNOWLEDGEABLE AND PROFICIENT IN THE FIELD OF RETAINING WALL AND STRUCTURAL DESIGN FOR THE CONTRACTOR-DESIGNED RETAINING WALL SYSTEM. THE WALL DESIGN SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 809 OF THE 2004 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 7<sup>TH</sup> EDITION, (2014). HITEC APPROVAL OF THE WALL SYSTEM WILL NOT BE REQUIRED. SPECIAL ATTENTION SHALL BE GIVEN TO THE EFFECTS OF THE RETAINING WALL LOADING ON THE BOX CULVERT/PIPE EXTENSION. THREE (3) COMPLETE SETS OF DETAIL DRAWINGS AND ONE (1) SET OF DESIGN CALCULATIONS BOTH BEARING THE ENGINEER'S SEAL SHALL BE SUBMITTED TO THE DIRECTOR OF STRUCTURES, STATE BRIDGE ENGINEER THROUGH THE PROJECT ENGINEER FOR REVIEW.
2. THE RETAINING WALL SYSTEM FURNISHED BY THE CONTRACTOR SHALL BE A REDI-ROCK OR STONE STRONG WALL SYSTEM. THE CONTRACTOR SHALL NOT SUBSTITUTE AN ALTERNATE SYSTEM WITHOUT PRIOR APPROVAL.
3. IT SHALL BE THE RESPONSIBILITY OF THE RETAINING WALL DESIGN ENGINEER TO DETERMINE THE LIMITS OF THE RETAINING WALLS WHERE GEOGRID REINFORCEMENT WILL BE REQUIRED. THE DESIGNER SHALL ALSO BE RESPONSIBLE FOR DETERMINING WHAT TYPE OF BACKFILL IS REQUIRED FOR THE AREAS WHERE GEOGRID REINFORCEMENT IS NOT UTILIZED.
4. THE COST OF THE RETAINING WALL SYSTEM SHALL INCLUDE: GEOGRID REINFORCEMENT (WHERE REQUIRED), DRAINAGE FILL (PER 809.02.2.2.5), 6-INCH PERFORATED PVC PIPE, CAST-IN-PLACE CONCRETE (CLASS C) OR CRUSHED STONE LEVELING PAD, TYPE V GEOTEXTILE FABRIC, CRUSHED STONE BACKFILL OR REINFORCED BACKFILL, AND OTHER INCIDENTALS REQUIRED FOR CONSTRUCTION OF THE RETAINING WALL.
5. TEMPORARY SHEET PILE REQUIRED FOR CONSTRUCTION OF THE WALLS SHALL BE CONTRACTOR-DESIGNED AND WILL BE ABSORBED. NOT A SEPARATE PAY ITEM.
6. UNDERDRAIN PIPE SHALL BE ROUTED AND TIED TO DRAINAGE PIPE OR DIRECTED TO DITCH OUTSIDE THE FACE OF WALL (COST ABSORBED).
7. IF LOOSE OR SOFT SOILS ARE ENCOUNTERED NEAR ANTICIPATED SHALLOW FOUNDATION BEARING ELEVATIONS FOR ALL BEARING PADS (LEVELING PADS), THE FOUNDATION SOILS SHALL BE PROOF ROLLED. ANY SOFT SOILS ENCOUNTERED SHALL BE REMEDIATED WITH UNDERCUTTING AND BACKFILLING USING COMPACTED SELECT FILL MATERIALS IN CONTROLLED LIFTS AS DIRECTED BY THE ENGINEER.
8. ELEVATION OF THE TOPS OF FOOTINGS AND TOPS OF WALL AND LENGTH OF WALL SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION OF THE LEVELING PADS.
9. WHERE IT IS FOUND NECESSARY TO CHANGE THE HEIGHT OF THE WALLS, REVISIONS SHALL BE SUBMITTED TO THE DIRECTOR OF STRUCTURES, STATE BRIDGE ENGINEER FOR APPROVAL.
10. COLOR AND TEXTURE OF THE PRECAST UNITS WILL BE SELECTED BY THE DIRECTOR OF STRUCTURES, STATE BRIDGE ENGINEER AND WILL EITHER BE GRAY OR AN EARTH TONE. THE CONTRACTOR SHALL PROVIDE SAMPLES OF AVAILABLE COLORS AND TEXTURES AND SHALL ERECT 36-INCH BY 8-FOOT SAMPLE WALLS FOR A MAXIMUM OF THREE.



**UNDERDRAIN DETAIL**



**TYPICAL DETAIL AT PENETRATION THROUGH RETAINING WALL**



**TYPICAL SECTION AT BOX CULVERT OR PIPE**

9/30/24	REVISIONS	BY	MISSISSIPPI DEPARTMENT OF TRANSPORTATION
	REVISIONS	REVISION	<b>TYPICAL SECTIONS</b>
	REVISIONS	REVISION	<b>RETAINING WALL</b>
	REVISIONS	REVISION	PROJECT NO. SP-9999-06(016)
DATE	DESIGN TEAM	NS	CHECKED
DATE	DATE		

WORKING NUMBER

**TS-9**

SHEET NUMBER

**14**

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

MISSISSIPPI DEPARTMENT OF TRANSPORTATION							
SITE NO.: 14-18-1188		HOLE NO.: 1	FMS P.E. No.: 106672/101000		REPORT NO.:		
COUNTY: Forrest		LATITUDE: N31.19355°	LONGITUDE: W89.25472°	COMPLETION DATE: 10/8/2014			
LOCATION: Retaining Wall STA. 557+00 - U.S. 49 Southbound				WATER TABLE ELEV.: N/A			
STATION: 556+97		OFFSET: Left 38 ft of Centerline of U.S. 49 Southbound		COMPLETION DEPTH: 32'			
BORING TYPE: Rotary Wash		LOGGED BY: George M. Drake		SURFACE ELEVATION: 300.04			
DEPTH, ft.	ELEVATION, ft.	SAMPLES GRAPHIC LOG	MATERIAL DESCRIPTION (USCS)	SPT (N <sub>s</sub> ) ROD(%)	PKT PEN. (tsf)	DRY UNIT WT (pcf)	COHESION (ksf): <input type="checkbox"/> UU; <input type="checkbox"/> UNC; <input checked="" type="checkbox"/> DS
							1.5 3.0 4.5 6.0
							PL Moisture Cont. (%) LL
							20 40 60 80
							FINES CONTENT (%) ▲
							20 40 60 80
0	300						
5	295	S	LOOSE, TAN, ORANGE AND GRAY, FINE SILTY SAND WITH TRACES OF ORGANICS	12			
10	290	S		7			
15	285	S	FIRM, GRAY AND ORANGE, SLIGHTLY SANDY, CLAYEY SILT	53			
20	280	S	FIRM, GRAY AND ORANGE, SLIGHTLY SANDY, CLAYEY SILT WITH SAND LAYERS AND TRACES OF ORGANICS	32			
25	275	S		32			
30	270	S	TOP OF 30' SAMPLE, FIRM, PINK AND TAN, SLIGHTLY SANDY CLAYEY SILT WITH TRACES OF ORGANICS BOTTOM OF 30' SAMPLE, DENSE, ORANGE, FINE TO MEDIUM, SILTY SAND WITH ORGANICS	88			
TOTAL DEPTH OF BORING - 32.0'							
NOTE: A HYDRAULIC AUTOMATIC TRIP HAMMER WAS USED TO DETERMINE SPT N-VALUES. THE N-VALUES SHOWN REPRESENT N <sub>s</sub> VALUES.							
35	265						

S: Split Spoon, T: Shelby Tube, C: Rock Core, P: Pitcher : UU Cohesion, : UNC Cohesion, : DS Cohesion, ●: Moisture Content (%)

**BORING 1**

**NOTICE TO CONTRACTOR:**

1. THE BORING LOGS SHOWN WITH ITS VARIOUS SOIL ZONE DESCRIPTIONS AND INDICATED BOUNDARIES IS BASED UPON AN ENGINEERING AND GEOLOGICAL INTERPRETATION OF ALL AVAILABLE GEOTECHNICAL INFORMATION BY THE GEOTECHNICAL BRANCH, MDOT AND MAY NOT NECESSARILY REFLECT THE ACTUAL VARIATION IN SUBSURFACE CONDITIONS BETWEEN BORINGS AND SAMPLES. DETAILED DATA AND FIELD INTERPRETATION OF CONDITIONS ENCOUNTERED IN INDIVIDUAL BORINGS ARE SHOWN ON THE BORING LOGS.

2. SOUND ENGINEERING JUDGEMENT WAS EXERCISED IN PREPARING THE SUBSURFACE INFORMATION PRESENTED ON THIS SHEET. THIS INFORMATION WAS PREPARED AND IS INTENDED FOR MDOT DESIGN AND ESTIMATE PURPOSES. ITS PRESENTATION ON THE PLANS OR ELSEWHERE IS FOR THE PURPOSE OF PROVIDING INTENDED USERS WITH ACCESS TO THE SAME INFORMATION AVAILABLE TO THE MDOT. THIS SUBSURFACE INFORMATION INTERPRETATION IS PRESENTED IN GOOD FAITH AND IS NOT INTENDED AS A SUBSTITUTE FOR PERSONAL INVESTIGATION, INDEPENDENT INTERPRETATIONS OR JUDGEMENT BY OTHERS

RECOMMENDED DESIGN PARAMETERS			
C (ksf)	φ	γ (pcf)	
FOUNDATION SOILS:	0	28°	120
RETAINED FILL: PER SECTION 809			

DRAWING FILE: .DGN		REPORT NO.: - -	
REVISIONS	BY	MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
		U.S 49 FROM CAMP SHELBY TO U.S. 98	
		RETAINING WALL (SB) BORING LOGS	
		STATION: 557+00	
		SITE NO: 14-18-1187	
		106672/101000	
		PROJECT NO: SP-9999-06(016)	
		COUNTY: FORREST	
DATE	DESIGNED: W.F.W.	DETAILED: W.F.W.	DRAWN: CADD
	CHECKED: M.L.S.	ISSUED: R.S.F.	DATE: 10-14-14
			WORKING NUMBER SB-1
			SHEET NUMBER 139



# ADDENDUM

STATE	PROJECT NO.
MISS.	SP-9999-06(016)

MISSISSIPPI DEPARTMENT OF TRANSPORTATION									
SITE NO.: 14-18-1187		HOLE NO.: 3		FMS P.E. No.: 106672/101000		REPORT NO.:			
COUNTY: Forrest		LATITUDE: N31.20982°		LONGITUDE: W89.26154°		COMPLETION DATE: 10/8/2014			
LOCATION: Retaining Wall STA. 618+50 - U.S. 49 Southbound						WATER TABLE ELEV.: N/A			
STATION: 619+62		OFFSET: Left 39 ft of Existing Centerline of U.S. 49 Southbound				COMPLETION DEPTH: 37'			
BORING TYPE: Rotary Wash			LOGGED BY: George M. Drake			SURFACE ELEVATION: 260.88			
DEPTH, ft.	ELEVATION, ft.	SAMPLES	GRAPHIC LOG	MATERIAL DESCRIPTION (USCS)	SPT (N <sub>60</sub> )	PKT PEN. (tsf)	DRY UNIT WT (pcf)	COHESION (ksf): <input type="checkbox"/> UU; <input type="checkbox"/> UNC; <input checked="" type="checkbox"/> DS	
								1.5	3.0
								PL Moisture Cont. (%) LL	
								20	40
								FINES CONTENT (%) ▲	
								20	40
									80
0	260								
5	255	S		MEDIUM DENSE, TAN AND ORANGE, FINE TO MEDIUM SAND, MOIST	26				
10	250	S		MEDIUM DENSE, TAN, ORANGE AND PINK, FINE TO MEDIUM SAND, MOIST	30				
15	245	S			45				
20	240	S		MEDIUM DENSE, TAN, ORANGE AND PINK, FINE TO MEDIUM SAND SLIGHTLY SILTY, MOIST	54				
25	235	S		DENSE, TAN AND ORANGE, FINE TO COARSE, MOIST SAND WITH SOME FINE GRAVEL	62				
30	230	S			64				
35	225	S		DENSE, TAN AND ORANGE, FINE TO COARSE SAND	84				
TOTAL DEPTH OF BORING - 37.0'									
NOTE: A HYDRAULIC AUTOMATIC TRIP HAMMER WAS USED TO DETERMINE SPT N-VALUES. THE N-VALUES SHOWN REPRESENT N <sub>60</sub> VALUES.									

S: Split Spoon, T: Shelby Tube, C: Rock Core, P: Pitcher : UU Cohesion, : UNC Cohesion, : DS Cohesion, ●: Moisture Content (%)

## BORING 3

### NOTICE TO CONTRACTOR:

1. THE BORING LOGS SHOWN WITH ITS VARIOUS SOIL ZONE DESCRIPTIONS AND INDICATED BOUNDARIES IS BASED UPON AN ENGINEERING AND GEOLOGICAL INTERPRETATION OF ALL AVAILABLE GEOTECHNICAL INFORMATION BY THE GEOTECHNICAL BRANCH, MDOT AND MAY NOT NECESSARILY REFLECT THE ACTUAL VARIATION IN SUBSURFACE CONDITIONS BETWEEN BORINGS AND SAMPLES. DETAILED DATA AND FIELD INTERPRETATION OF CONDITIONS ENCOUNTERED IN INDIVIDUAL BORINGS ARE SHOWN ON THE BORING LOGS.

2. SOUND ENGINEERING JUDGEMENT WAS EXERCISED IN PREPARING THE SUBSURFACE INFORMATION PRESENTED ON THIS SHEET. THIS INFORMATION WAS PREPARED AND IS INTENDED FOR MDOT DESIGN AND ESTIMATE PURPOSES. ITS PRESENTATION ON THE PLANS OR ELSEWHERE IS FOR THE PURPOSE OF PROVIDING INTENDED USERS WITH ACCESS TO THE SAME INFORMATION AVAILABLE TO THE MDOT. THIS SUBSURFACE INFORMATION INTERPRETATION IS PRESENTED IN GOOD FAITH AND IS NOT INTENDED AS A SUBSTITUTE FOR PERSONAL INVESTIGATION, INDEPENDENT INTERPRETATIONS OR JUDGEMENT BY OTHERS

### RECOMMENDED DESIGN PARAMETERS

C (ksf)    φ    δ (pcf)  
 FOUNDATION SOILS:    0    28°    120

RETAINED FILL: PER SECTION 809

DRAWING FILE: .DGN		REPORT NO.: - -	
MISSISSIPPI DEPARTMENT OF TRANSPORTATION			
U.S 49 FROM CAMP SHELBY TO U.S. 98			
RETAINING WALL (SB) BORING LOGS			
STATION: 618+50			
SITE NO: 14-18-1187			
PROJECT NO: 106672/101000			
COUNTY: FORREST			
WORKING NUMBER SB-3			
DESIGNED: W.F.W.	DETAILED: W.F.W.	DRAWN: CADD	SHEET NUMBER
CHECKED: M.L.S.	ISSUED: R.S.F.	DATE: 10-14-14	141



# ADDENDUM

STATE	PROJECT NO.
MISS.	SP-9999-06(016)

MISSISSIPPI DEPARTMENT OF TRANSPORTATION										
SITE NO.: 14-18-1186		HOLE NO.: 1		FMS P.E. No.: 106672/101000		REPORT NO.:				
COUNTY: Forrest		LATITUDE: N31.22799°		LONGITUDE: W89.26915°		COMPLETION DATE: 10/1/2014				
LOCATION: Retaining Wall STA. 690+50 - U.S. 49 Southbound						WATER TABLE ELEV.: N/A				
STATION: 690+32		OFFSET: Left 39 ft of Existing Centerline of U.S. 49 Southbound				COMPLETION DEPTH: 52'				
BORING TYPE: Rotary Wash			LOGGED BY: J.D. Phillips			SURFACE ELEVATION: 227.35'				
DEPTH, ft.	ELEVATION, ft.	SAMPLES GRAPHIC LOG	MATERIAL DESCRIPTION (USCS)	SPT (N <sub>60</sub> )	PKT PEN. (tsf)	DRY UNIT WT (pcf)	COHESION (ksf): <input type="checkbox"/> UU; <input type="checkbox"/> UNC; <input checked="" type="checkbox"/> DS			
							1.5	3.0	4.5	6.0
							PL Moisture Cont. (%) LL			
							20	40	60	80
							FINES CONTENT (%) ▲			
							20	40	60	80
0										
		S	LOOSE, RED TO GRAY, FINE TO MEDIUM SILTY CLAYEY SAND	10						
220										
		S	VERY LOOSE, BROWN, DARK GRAY, FINE TO MEDIUM SILTY SAND	WOH						
10										
		S	VERY LOOSE, BLACK, FINE TO MEDIUM CLAYEY SILTY SAND WITH ORGANIC	WOH						
210										
		S	VERY LOOSE, GRAY, FINE TO COARSE SILTY SAND	14	1.0					
20										
		S	SOFT TO FIRM, GRAY, CLAY	4						
200										
		S	FIRM, BROWN, SILT	21						
30										
		S	VERY STIFF, GRAY AND PINK SILTY CLAY WITH IMBEDDED SAND LAYERS	39	2.3					
190										
		S		27						
40										
		S	STIFF TO VERY STIFF, GRAY, SILTY CLAY	35	2.0					
180										
		S	VERY HARD, GRAY, SILTY CLAY	43	4.0					
50										
			TOTAL DEPTH OF BORING - 52.0'							
			NOTE: A HYDRAULIC AUTOMATIC TRIP HAMMER WAS USED TO DETERMINE SPT N-VALUES. THE N-VALUES SHOWN REPRESENT N <sub>60</sub> VALUES.							
170										

S: Split Spoon, T: Shelby Tube, C: Rock Core, P: Pitcher : UU Cohesion, : UNC Cohesion, : DS Cohesion, ●: Moisture Content (%)

## BORING 1

### NOTICE TO CONTRACTOR:

1. THE BORING LOGS SHOWN WITH ITS VARIOUS SOIL ZONE DESCRIPTIONS AND INDICATED BOUNDARIES IS BASED UPON AN ENGINEERING AND GEOLOGICAL INTERPRETATION OF ALL AVAILABLE GEOTECHNICAL INFORMATION BY THE GEOTECHNICAL BRANCH, MDOT AND MAY NOT NECESSARILY REFLECT THE ACTUAL VARIATION IN SUBSURFACE CONDITIONS BETWEEN BORINGS AND SAMPLES. DETAILED DATA AND FIELD INTERPRETATION OF CONDITIONS ENCOUNTERED IN INDIVIDUAL BORINGS ARE SHOWN ON THE BORING LOGS.

2. SOUND ENGINEERING JUDGEMENT WAS EXERCISED IN PREPARING THE SUBSURFACE INFORMATION PRESENTED ON THIS SHEET. THIS INFORMATION WAS PREPARED AND IS INTENDED FOR MDOT DESIGN AND ESTIMATE PURPOSES. ITS PRESENTATION ON THE PLANS OR ELSEWHERE IS FOR THE PURPOSE OF PROVIDING INTENDED USERS WITH ACCESS TO THE SAME INFORMATION AVAILABLE TO THE MDOT. THIS SUBSURFACE INFORMATION INTERPRETATION IS PRESENTED IN GOOD FAITH AND IS NOT INTENDED AS A SUBSTITUTE FOR PERSONAL INVESTIGATION, INDEPENDENT INTERPRETATIONS OR JUDGEMENT BY OTHERS

RECOMMENDED DESIGN PARAMETERS			
	C (ksf)	φ (°)	γ (pcf)
FOUNDATION SOILS:	0	28°	120
RETAINED FILL:	PER SECTION 809		

DRAWING FILE: .DGN		REPORT NO.: - -	
MISSISSIPPI DEPARTMENT OF TRANSPORTATION			
U.S 49 FROM CAMP SHELBY TO U.S. 98			
RETAINING WALL (SB) BORING LOGS			
STATION NO.: 690+50			
SITE NO.: 14-18-1186			
PROJECT NO: 106672/101000			
COUNTY: FORREST			
SP-9999-06(016)			
DESIGNED: W.F.W.			WORKING NUMBER
CHECKED: M.L.S.			SB-4
DETAILED: W.F.W.			SHEET NUMBER
DRAWN: CADD			142
ISSUED: R.S.F.			
DATE: 10-14-14			