

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-4185	1	12

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
GEOTECHNICAL ENGINEERING UNIT

STRUCTURE
SUBSURFACE INVESTIGATION

PROJ. REFERENCE NO. 33532.1.1 (B-4185) F.A. PROJ. BRSTP-0171(14)
COUNTY MARTIN
PROJECT DESCRIPTION BRIDGE NO. 16 ON NC 171 OVER HARDISON
MILL CREEK AT -L- STA. 16+69.91

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CAUTION NOTICE

THE SUBSURFACE INFORMATION AND THE SUBSURFACE INVESTIGATION ON WHICH IT IS BASED WERE MADE FOR THE PURPOSE OF STUDY, PLANNING, AND DESIGN, AND NOT FOR CONSTRUCTION OR PAY PURPOSES. THE VARIOUS FIELD BORING LOGS, ROCK CORES, AND SOIL TEST DATA AVAILABLE MAY BE REVIEWED OR INSPECTED IN FALCICH BY CONTACTING THE N. C. DEPARTMENT OF TRANSPORTATION, GEOTECHNICAL ENGINEERING UNIT AT (919) 707-6860. NEITHER THE SUBSURFACE PLANS AND REPORTS, NOR THE FIELD BORING LOGS, ROCK CORES, OR SOIL TEST DATA ARE PART OF THE CONTRACT.

GENERAL SOIL AND ROCK STRATA DESCRIPTIONS AND INDICATED BOUNDARIES ARE BASED ON A GEOTECHNICAL INTERPRETATION OF ALL AVAILABLE SUBSURFACE DATA AND MAY NOT NECESSARILY REFLECT THE ACTUAL SUBSURFACE CONDITIONS BETWEEN BORINGS OR BETWEEN SAMPLED STRATA WITHIN THE BOREHOLE. THE LABORATORY SAMPLE DATA AND THE IN SITU (IN-PLACE) TEST DATA CAN BE RELIED ON ONLY TO THE DEGREE OF RELIABILITY INHERENT IN THE STANDARD TEST METHOD. THE OBSERVED WATER LEVELS OR SOIL MOISTURE CONDITIONS INDICATED IN THE SUBSURFACE INVESTIGATIONS ARE AS RECORDED AT THE TIME OF THE INVESTIGATION. THESE WATER LEVELS OR SOIL MOISTURE CONDITIONS MAY VARY CONSIDERABLY WITH TIME ACCORDING TO CLIMATIC CONDITIONS INCLUDING TEMPERATURES, PRECIPITATION, AND WIND, AS WELL AS OTHER NON-CLIMATIC FACTORS.

THE BIDDER OR CONTRACTOR IS CAUTIONED THAT DETAILS SHOWN ON THE SUBSURFACE PLANS ARE PRELIMINARY ONLY AND IN MANY CASES THE FINAL DESIGN DETAILS ARE DIFFERENT. FOR BIDDING AND CONSTRUCTION PURPOSES, REFER TO THE CONSTRUCTION PLANS AND DOCUMENTS FOR FINAL DESIGN INFORMATION ON THIS PROJECT. THE DEPARTMENT DOES NOT WARRANT OR GUARANTEE THE SUFFICIENCY OR ACCURACY OF THE INVESTIGATION MADE, NOR THE INTERPRETATIONS MADE, OR OPINION OF THE DEPARTMENT AS TO THE TYPE OF MATERIALS AND CONDITIONS TO BE ENCOUNTERED. THE BIDDER OR CONTRACTOR IS CAUTIONED TO MAKE SUCH INDEPENDENT SUBSURFACE INVESTIGATIONS AS HE DEEMS NECESSARY TO SATISFY HIMSELF AS TO CONDITIONS TO BE ENCOUNTERED ON THIS PROJECT. THE CONTRACTOR SHALL HAVE NO CLAIM FOR ADDITIONAL COMPENSATION OR FOR AN EXTENSION OF TIME FOR ANY REASON RESULTING FROM THE ACTUAL CONDITIONS ENCOUNTERED AT THE SITE DIFFERING FROM THOSE INDICATED IN THE SUBSURFACE INFORMATION.

PERSONNEL

C.M. WRIKE

J.R. SWARTLEY

R.E. SMITH

J.M. EDMONDSON

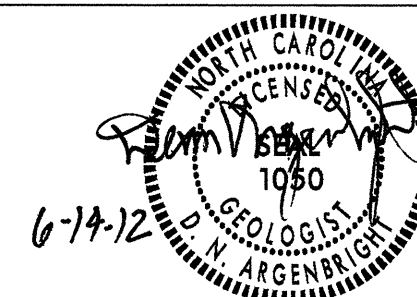
J.L. STONE

INVESTIGATED BY C.M. WRIKE

CHECKED BY D.N. ARGENBRIGHT

SUBMITTED BY D.N. ARGENBRIGHT

DATE JUNE 2012



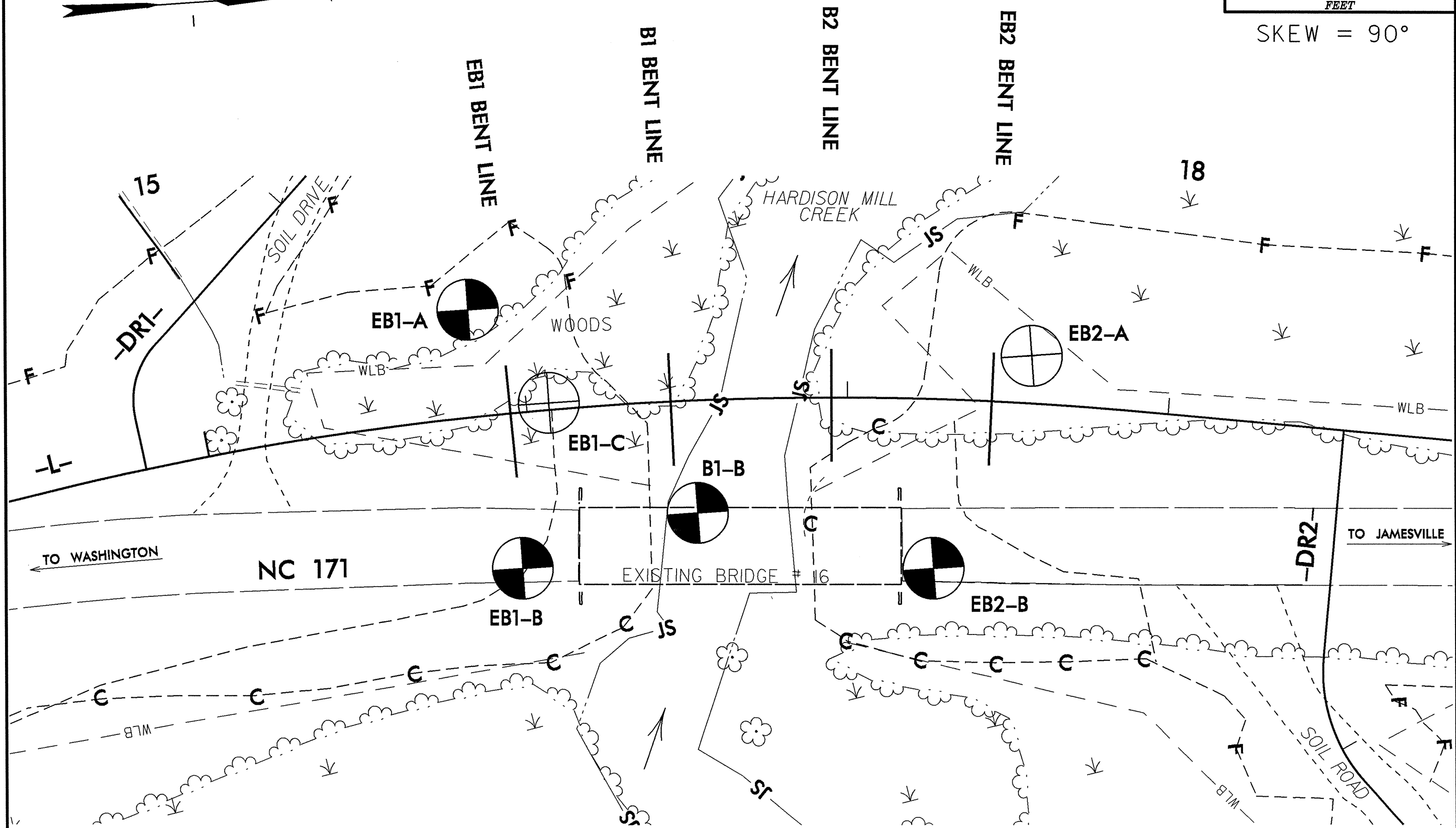
PROJECT: 33532.1.1 ID: B-4185

DRAWN BY: C.P. TURNER

NOTE - THE INFORMATION CONTAINED HEREIN IS NOT IMPLIED OR GUARANTEED BY THE N. C. DEPARTMENT OF TRANSPORTATION AS BEING ACCURATE NOR IS IT CONSIDERED TO BE PART OF THE PLANS, SPECIFICATIONS, OR CONTRACT FOR THE PROJECT.

NOTE - BY HAVING REQUESTED THIS INFORMATION THE CONTRACTOR SPECIFICALLY WAIVES ANY CLAIMS FOR INCREASED COMPENSATION OR EXTENSION OF TIME BASED ON DIFFERENCES BETWEEN THE CONDITIONS INDICATED HEREIN AND THE ACTUAL CONDITIONS AT THE PROJECT SITE.

SKEW = 90°



TO WASHINGTON

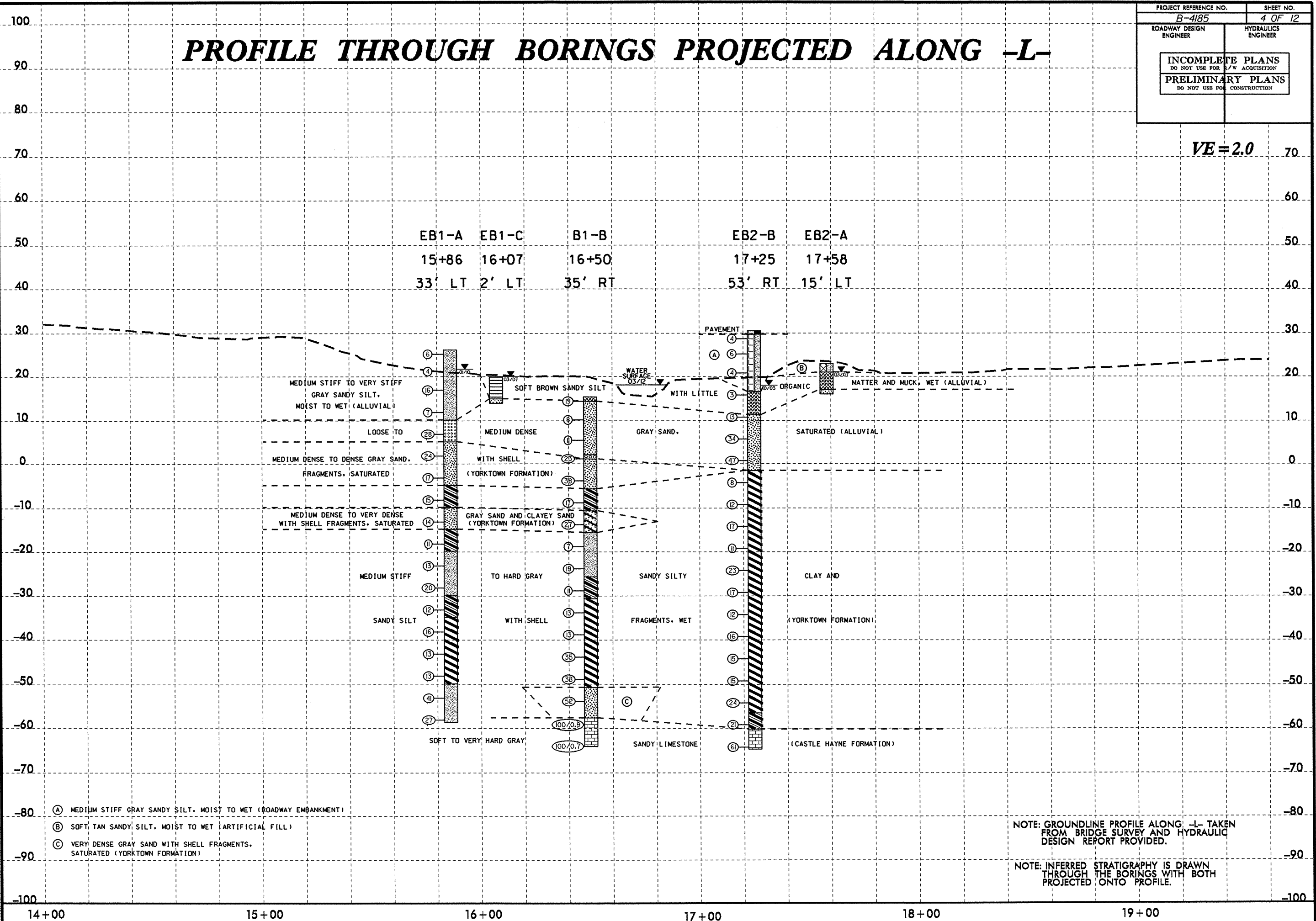
NC 171

EXISTING BRIDGE # 16

TO JAMESVILLE

PROFILE THROUGH BORINGS PROJECTED ALONG -L-

VE = 2.0



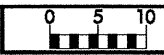
Boring	Station	Location
EB1-A	15+86	33' LT
EB1-C	16+07	2' LT
B1-B	16+50	35' RT
EB2-B	17+25	53' RT
EB2-A	17+58	15' LT

- (A) MEDIUM STIFF GRAY SANDY SILT. MOIST TO WET (ROADWAY EMBANKMENT)
- (B) SOFT TAN SANDY SILT. MOIST TO WET (ARTIFICIAL FILL)
- (C) VERY DENSE GRAY SAND WITH SHELL FRAGMENTS. SATURATED (YORKTOWN FORMATION)

NOTE: GROUNDLINE PROFILE ALONG -L- TAKEN FROM BRIDGE SURVEY AND HYDRAULIC DESIGN REPORT PROVIDED.

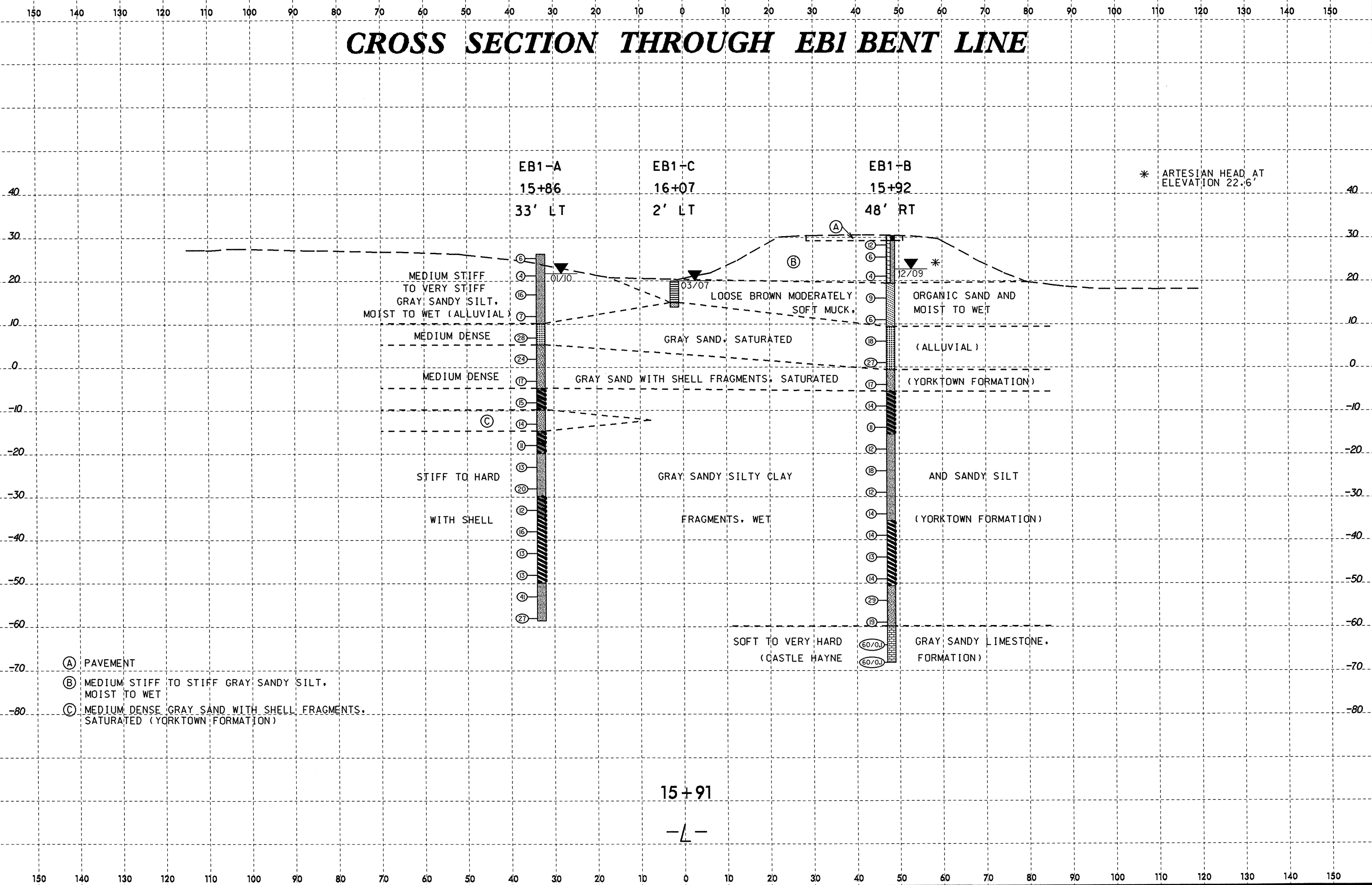
NOTE: INFERRED STRATIGRAPHY IS DRAWN THROUGH THE BORINGS WITH BOTH PROJECTED ONTO PROFILE.

8/23/99

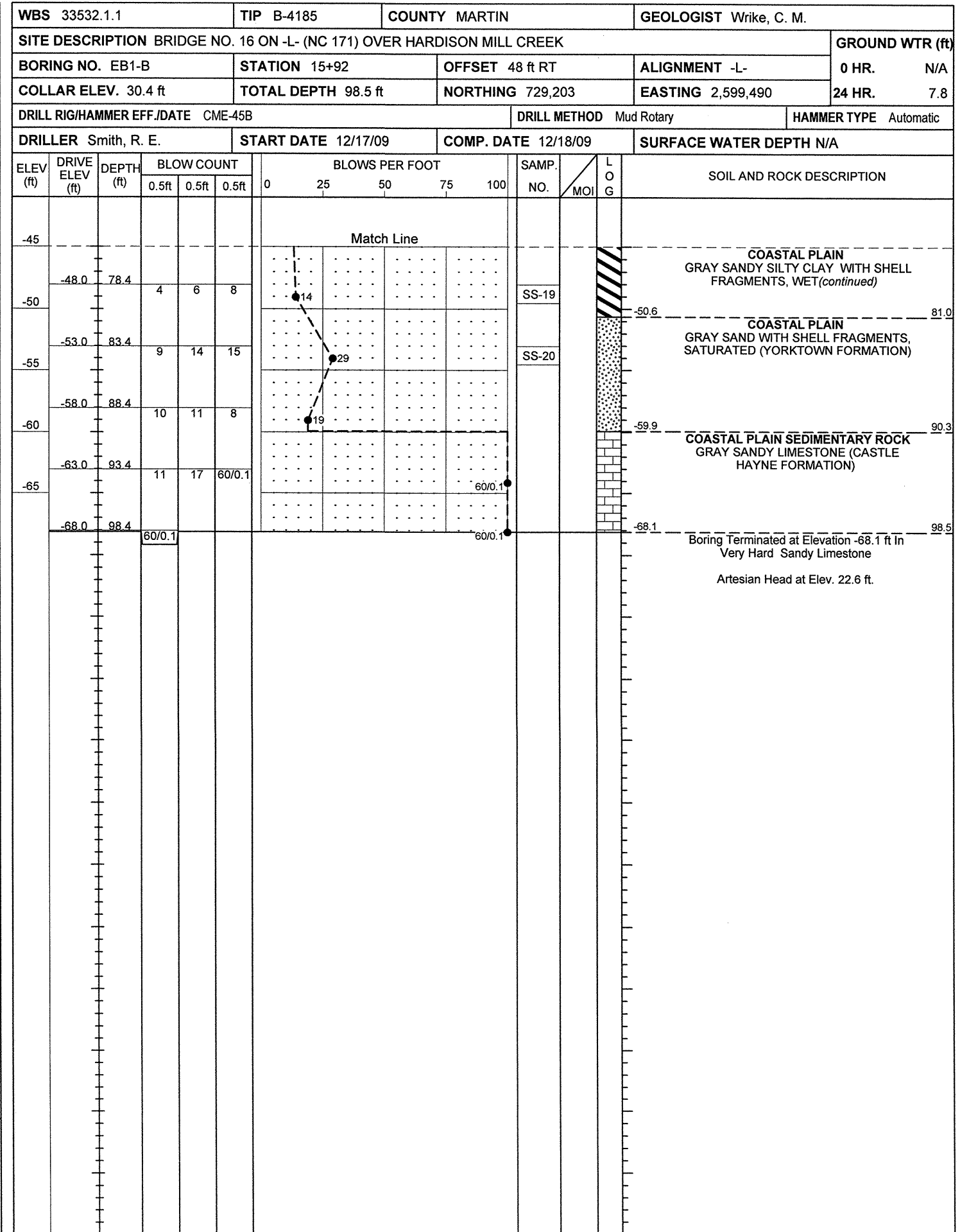
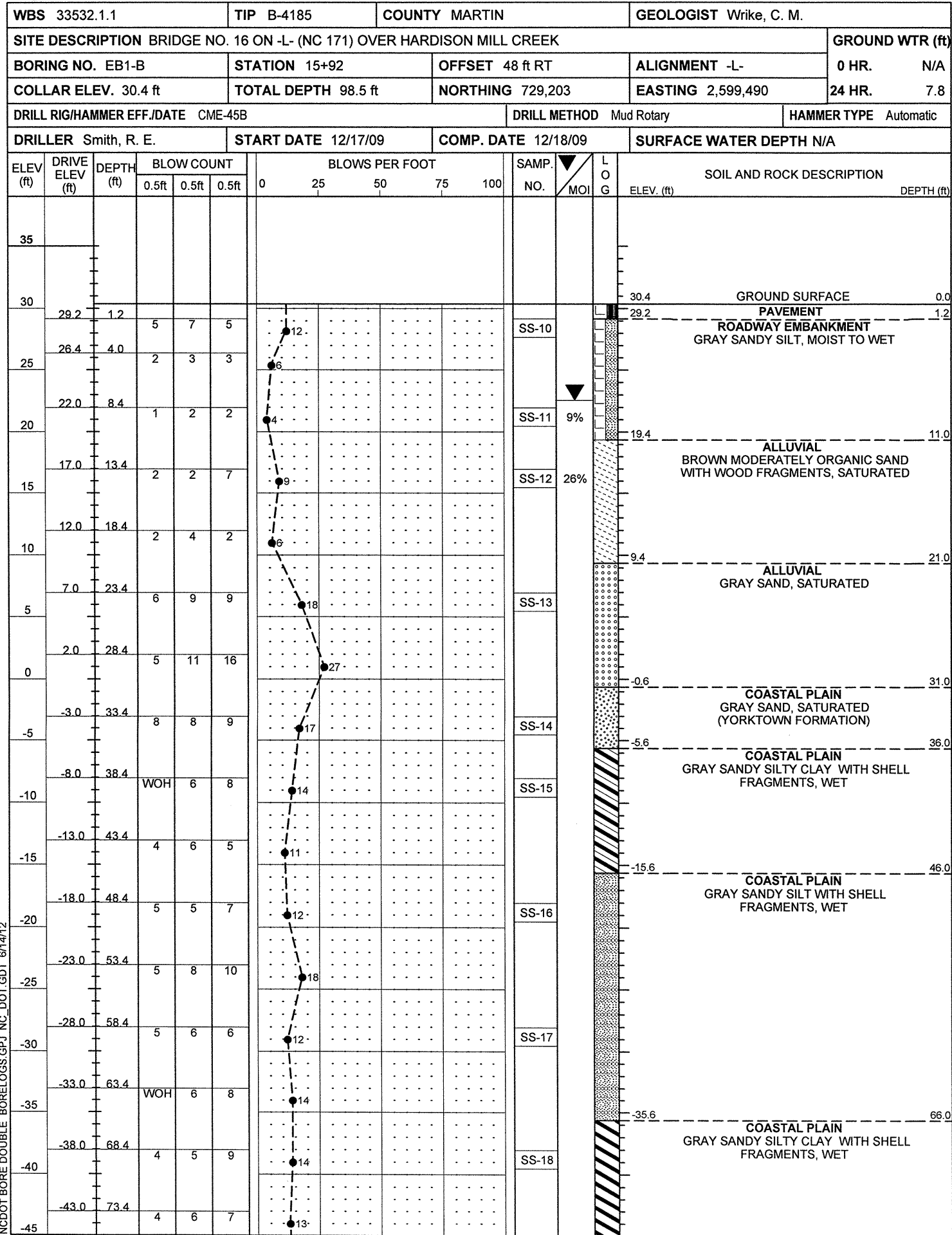


PROJ. REFERENCE NO.	SHEET NO.
R-4185	5 OF 12

CROSS SECTION THROUGH EB1 BENT LINE



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NCDOT BORE DOUBLE BORELOGS.GPJ NC_DOT.GDT 6/14/12



NCDOT GEOTECHNICAL ENGINEERING UNIT
BORELOG REPORT

WBS 33532.1.1		TIP B-4185		COUNTY MARTIN		GEOLOGIST Stone, J. L.											
SITE DESCRIPTION BRIDGE NO. 16 ON -L- (NC 171) OVER HARDISON MILL CREEK							GROUND WTR (ft)										
BORING NO. EB1-C		STATION 16+07		OFFSET 2 ft LT		ALIGNMENT -L-											
COLLAR ELEV. 20.0 ft		TOTAL DEPTH 6.0 ft		NORTHING 729,215		EASTING 2,599,439											
DRILL RIG/HAMMER EFF./DATE N/A				DRILL METHOD Hand Auger		HAMMER TYPE Automatic											
DRILLER Smith, R. E.		START DATE 03/20/07		COMP. DATE 03/20/07		SURFACE WATER DEPTH N/A											
ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	MOI	L O G	SOIL AND ROCK DESCRIPTION	ELEV. (ft)	DEPTH (ft)	
			0.5ft	0.5ft	0.5ft	0	25	50	75	100							
20															20.0	0.0	GROUND SURFACE
15															15.0	5.0	ALLUVIAL BROWN SANDY SILT WITH LITTLE ORGANIC MATTER, TO WET
															14.0	6.0	GRAY SAND SATURATED
																	Boring Terminated at Elevation 14.0 ft In Medium Dense Sand

NCDOT BORE DOUBLE BORELOGS.GPJ NC_DOT_GDT_6/14/12



NCDOT GEOTECHNICAL ENGINEERING UNIT

BORELOG REPORT

WBS 33532.1.1		TIP B-4185		COUNTY MARTIN		GEOLOGIST Swartley, J. R.										
SITE DESCRIPTION BRIDGE NO. 16 ON -L- (NC 171) OVER HARDISON MILL CREEK						GROUND WTR (ft)										
BORING NO. B1-B		STATION 16+50		OFFSET 35 ft RT		ALIGNMENT -L-										
COLLAR ELEV. 15.4 ft		TOTAL DEPTH 79.4 ft		NORTHING 729,259		EASTING 2,599,480										
DRILL RIG/HAMMER EFF./DATE CME-45B		DRILL METHOD Mud Rotary		HAMMER TYPE Automatic												
DRILLER Smith, R. E.		START DATE 01/07/10		COMP. DATE 01/08/10		SURFACE WATER DEPTH 3.7ft										
ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG MOI	LOG	SOIL AND ROCK DESCRIPTION	DEPTH (ft)	
			0.5ft	0.5ft	0.5ft	0	25	50	75	100						
20															WATER SURFACE (01/07/10)	
15	15.4	0.0	3	9	10										GROUND SURFACE	0.0
10	11.5	3.9	4	4	4										ALLUVIAL BROWN MUCK, WET (ORG: 21.5%)	1.0
5	6.5	8.9	6	4	7										ALLUVIAL GRAY FINE TO COURSE SAND, SATURATED	
0	2.2	13.2	2	8	15										COASTAL PLAIN GRAY SAND WITH SHELL FRAGMENTS, SATURATED (YORKTOWN FORMATION)	13.2
-5	-2.8	18.2	19	21	17											14.2
-10	-7.8	23.2	8	7	10										COASTAL PLAIN GRAY SANDY SILTY CLAY WITH SHELL FRAGMENTS, WET	21.0
-15	-12.8	28.2	10	13	14										COASTAL PLAIN GRAY CLAYEY SAND WITH SHELL FRAGMENTS, SATURATED	26.0
-20	-17.8	33.2	3	3	4										COASTAL PLAIN GRAY SANDY SILT WITH SHELL FRAGMENTS, WET	31.0
-25	-22.8	38.2	6	10	9											31.0
-30	-27.8	43.2	4	5	6										COASTAL PLAIN GRAY SANDY SILTY CLAY WITH SHELL FRAGMENTS, WET	41.0
-35	-32.8	48.2	4	5	8											41.0
-40	-37.8	53.2	4	6	7											46.0
-45	-42.8	58.2	12	14	21											46.0
-50	-47.8	63.2	8	21	17											66.0
-55	-52.8	68.2	13	29	23											66.0
-60	-57.8	73.2	86	60	40/0.4											73.0

NCDOT BORE DOUBLE BORELOGS GPJ NC_DOT.GDT 6/14/12

WBS 33532.1.1		TIP B-4185		COUNTY MARTIN		GEOLOGIST Swartley, J. R.										
SITE DESCRIPTION BRIDGE NO. 16 ON -L- (NC 171) OVER HARDISON MILL CREEK						GROUND WTR (ft)										
BORING NO. B1-B		STATION 16+50		OFFSET 35 ft RT		ALIGNMENT -L-										
COLLAR ELEV. 15.4 ft		TOTAL DEPTH 79.4 ft		NORTHING 729,259		EASTING 2,599,480										
DRILL RIG/HAMMER EFF./DATE CME-45B		DRILL METHOD Mud Rotary		HAMMER TYPE Automatic												
DRILLER Smith, R. E.		START DATE 01/07/10		COMP. DATE 01/08/10		SURFACE WATER DEPTH 3.7ft										
ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG MOI	LOG	SOIL AND ROCK DESCRIPTION	DEPTH (ft)	
			0.5ft	0.5ft	0.5ft	0	25	50	75	100						
-60															Match Line	
	-62.8	78.2	45	75	25/0.2											100/0.7
																SS-44
																-64.0
																79.4
																COASTAL PLAIN SEDIMENTARY ROCK GRAY SANDY LIMESTONE (CASTLE HAYNE FORMATION) (continued)
																Boring Terminated at Elevation -64.0 ft In Hard Sandy Limestone
																Artesian Head at Elev. 22.6 ft.

NCDOT GEOTECHNICAL ENGINEERING UNIT
BORELOG REPORT

WBS 33532.1.1		TIP B-4185		COUNTY MARTIN		GEOLOGIST Stone, J. L.											
SITE DESCRIPTION BRIDGE NO. 16 ON -L- (NC 171) OVER HARDISON MILL CREEK							GROUND WTR (ft)										
BORING NO. EB2-A		STATION 17+58		OFFSET 15 ft LT		ALIGNMENT -L-											
COLLAR ELEV. 23.0 ft		TOTAL DEPTH 7.0 ft		NORTHING 729,366		EASTING 2,599,434											
DRILL RIG/HAMMER EFF./DATE N/A				DRILL METHOD Hand Auger		HAMMER TYPE Automatic											
DRILLER Smith, R. E.		START DATE 03/20/07		COMP. DATE 03/20/07		SURFACE WATER DEPTH N/A											
ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION			
			0.5ft	0.5ft	0.5ft	0	25	50	75	100				ELEV. (ft)	DEPTH (ft)		
25															23.0	GROUND SURFACE	0.0
20															21.0	ARTIFICIAL FILL TAN SANDY SILT, MOIST TO WET ALLUVIAL BROWN MUCK, WET	2.0
															17.0	GRAY SAND, SATURATED	6.0
															16.0	GRAY SAND, SATURATED	7.0
															Boring Terminated at Elevation 16.0 ft In Medium Dense Sand		

NCDOT BORE DOUBLE_BORELOGS.GPJ_NC_DOT.GDT_6/14/12

WBS 33532.1.1		TIP B-4185		COUNTY MARTIN		GEOLOGIST Stone, J. L.										
SITE DESCRIPTION BRIDGE NO. 16 ON -L- (NC 171) OVER HARDISON MILL CREEK							GROUND WTR (ft)									
BORING NO. EB2-B		STATION 17+25		OFFSET 53 ft RT		ALIGNMENT -L-										
COLLAR ELEV. 30.5 ft		TOTAL DEPTH 95.2 ft		NORTHING 729,331		EASTING 2,599,498										
DRILL RIG/HAMMER EFF./DATE Mobile B-47		DRILL METHOD Mud Rotary		HAMMER TYPE Automatic												
DRILLER Smith, R. E.		START DATE 10/03/03		COMP. DATE 10/03/03		SURFACE WATER DEPTH N/A										
ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG MOI	LOG G	SOIL AND ROCK DESCRIPTION	DEPTH (ft)	
			0.5ft	0.5ft	0.5ft	0	25	50	75	100						
35																
30	29.7	0.8	WOH	3	1											30.5
																29.7
25	26.2	4.3		2	2	4										
20	21.8	8.7		1	2	2										
15	16.8	13.7		1	2	1										
10	11.8	18.7		2	5	8										
5	6.8	23.7		2	6	28										
0	1.8	28.7		5	19	28										
-5	-3.2	33.7		4	3	5										
-10	-8.2	38.7		4	5	7										
-15	-13.2	43.7		7	7	10										
-20	-18.2	48.7		3	6	5										
-25	-23.2	53.7		12	9	14										
-30	-28.2	58.7		5	7	10										
-35	-33.2	63.7		4	5	7										
-40	-38.2	68.7		5	6	10										
-45	-43.2	73.7		5	6	9										

WBS 33532.1.1		TIP B-4185		COUNTY MARTIN		GEOLOGIST Stone, J. L.										
SITE DESCRIPTION BRIDGE NO. 16 ON -L- (NC 171) OVER HARDISON MILL CREEK							GROUND WTR (ft)									
BORING NO. EB2-B		STATION 17+25		OFFSET 53 ft RT		ALIGNMENT -L-										
COLLAR ELEV. 30.5 ft		TOTAL DEPTH 95.2 ft		NORTHING 729,331		EASTING 2,599,498										
DRILL RIG/HAMMER EFF./DATE Mobile B-47		DRILL METHOD Mud Rotary		HAMMER TYPE Automatic												
DRILLER Smith, R. E.		START DATE 10/03/03		COMP. DATE 10/03/03		SURFACE WATER DEPTH N/A										
ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG MOI	LOG G	SOIL AND ROCK DESCRIPTION	DEPTH (ft)	
			0.5ft	0.5ft	0.5ft	0	25	50	75	100						
-45																
-50	-48.2	78.7		4	6	9										
-55	-53.2	83.7		7	10	14										
-60	-58.2	88.7		8	10	11										
	-63.2	93.7		11	24	37										

NC DOT BORE DOUBLE BORELOGS.GPJ NC DOT.GDT 6/14/12

B-4185

BRIDGE NO. 16 ON NC 171 OVER HARDISON MILL CREEK AT -L- STA. 16+46

EB1-A SOIL TEST RESULTS -LDET-															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							C.SAND	F.SAND	SILT	CLAY	10	40	200		
SS-22	33 LT	15+86	1.0-1.5	A-4(0)	23	7	25.4	36.2	18.3	20.1	80	67	36	-	-
SS-23	33 LT	15+86	8.3-9.8	A-4(0)	23	NP	0.8	76.8	12.3	10.1	100	100	38	-	-
SS-24	33 LT	15+86	18.3-19.8	A-3(0)	21	NP	76.7	16.3	3.0	4.0	100	62	8	-	-
SS-25	33 LT	15+86	23.3-24.8	A-2-4(0)	23	NP	6.0	82.3	7.6	4.0	99	98	14	-	-
SS-26	33 LT	15+86	33.3-34.8	A-6(16)	39	17	2.4	32.0	43.5	22.1	100	99	89	37.4	-
SS-27	33 LT	15+86	38.3-39.8	A-2-4(0)	29	10	32.4	38.0	13.5	16.1	65	50	21	-	-
SS-28	33 LT	15+86	43.3-44.8	A-6(2)	33	12	19.1	42.7	16.1	22.1	84	70	41	-	-
SS-29	33 LT	15+86	48.3-49.8	A-4(2)	28	9	4.8	46.5	24.5	24.1	91	88	53	-	-
SS-30	33 LT	15+86	58.3-59.8	A-6(1)	32	14	23.1	41.6	15.1	20.1	91	77	37	-	-
SS-31	33 LT	15+86	63.3-64.8	A-7-6(47)	65	43	1.0	8.7	42.1	48.3	100	99	96	-	-
SS-32	33 LT	15+86	78.3-79.8	A-4(0)	26	9	32.2	29.4	16.3	22.1	93	75	39	-	-

EB1-B SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							C.SAND	F.SAND	SILT	CLAY	10	40	200		
SS-10	48' RT	15+92	1.2-2.7	A-4(0)	22	7	10.6	56.8	14.5	18.1	100	93	44	-	-
SS-11	48' RT	15+92	8.4-9.9	A-4(0)	21	3	0.6	61.6	17.7	20.1	100	100	53	9.3	-
SS-12	48' RT	15+92	13.4-14.9	A-2-4(0)	22	4	17.3	51.2	17.5	14.1	84	77	34	26.3	-
SS-13	48' RT	15+92	23.4-24.9	A-3(0)	17	NP	61.0	31.7	5.2	2.0	92	56	9	-	-
SS-14	48' RT	15+92	33.4-34.9	A-2-4(0)	19	NP	2.4	86.9	6.6	4.0	100	99	18	-	-
SS-15	48' RT	15+92	38.4-39.9	A-6(10)	39	12	9.2	29.7	47.0	14.1	98	93	79	-	-
SS-16	48' RT	15+92	48.4-49.9	A-4(0)	29	7	13.9	51.8	18.3	16.1	76	67	38	-	-
SS-17	48' RT	15+92	58.4-59.9	A-4(4)	35	9	10.0	32.7	31.1	26.1	89	83	60	-	-
SS-18	48' RT	15+92	68.4-69.9	A-7-5(17)	65	17	3.4	9.4	51.0	36.1	82	80	75	-	-
SS-19	48' RT	15+92	78.4-79.9	A-7-5(16)	53	15	9.0	12.9	46.0	32.1	100	94	84	-	-
SS-20	48' RT	15+92	83.4-84.9	A-2-4(0)	26	8	33.7	30.3	19.9	16.1	63	49	25	-	-

B1-B SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							C.SAND	F.SAND	SILT	CLAY	10	40	200		
SS-33	35 RT	16+50	1.0-1.5				0.0	0.0	0.0	0.0	0	0	0	200.7	21.5
SS-34	35 RT	16+50	3.9-5.2	A-2-4(0)	22	NP	13.6	70.6	9.7	6.1	100	96	26	-	-
SS-35	35 RT	16+50	13.2-14.2	A-1-b(0)	18	NP	71.4	21.7	2.8	4.1	91	49	7	-	-
SS-36	35 RT	16+50	18.2-19.7	A-2-4(0)	24	NP	1.7	86.6	6.6	5.1	100	100	15	-	-
SS-37	35 RT	16+50	23.2-24.7	A-6(13)	40	19	15.8	26.2	37.7	20.3	99	90	72	-	-
SS-38	35 RT	16+50	28.2-29.7	A-2-6(1)	35	19	26.4	30.4	22.9	20.3	62	50	29	-	-
SS-39	35 RT	16+50	33.2-34.7	A-4(0)	31	8	16.4	47.3	18.1	18.3	77	66	38	-	-
SS-40	35 RT	16+50	43.2-44.7	A-6(6)	32	15	11.0	33.3	27.4	28.4	93	85	60	-	-
SS-41	35 RT	16+50	48.2-49.7	A-7-6(40)	59	38	1.6	7.5	42.2	48.7	100	99	94	-	-
SS-42	35 RT	16+50	63.2-64.7	A-7-6(53)	70	47	1.0	4.9	35.3	58.8	100	100	98	-	-
SS-43	35 RT	16+50	68.2-69.7	A-2-4(0)	25	7	34.3	27.8	19.7	18.3	74	57	30	-	-
SS-44	35 RT	16+50	78.2-79.7	A-2-4(0)	25	3	28.0	39.8	18.1	14.2	92	75	32	-	-

EB2-B SOIL TEST RESULTS																	
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC		
							C.SAND	F.SAND	SILT	CLAY	10	40	200				
SS-1	53' RT	17+25	4.3-5.8				SAMPLE RESULTS MISSING										-
SS-2	53' RT	17+25	23.7-25.2				SAMPLE RESULTS MISSING										-
SS-3	53' RT	17+25	28.7-20.2				SAMPLE RESULTS MISSING										-
SS-4	53' RT	17+25	33.7-35.2				SAMPLE RESULTS MISSING									46.6	-
SS-5	53' RT	17+25	53.7-55.2				SAMPLE RESULTS MISSING										-
SS-6	53' RT	17+25	63.7-65.2				SAMPLE RESULTS MISSING										-
SS-7	53' RT	17+25	73.7-75.2	A-7-6	74	53	1.8	7.3	46.3	44.6	100	99	96	-	-		
SS-8	53' RT	17+25	88.7-90.2	A-6	31	15	51.9	19.0	14.9	14.2	59	36	18	-	-		
SS-9	53' RT	17+25	93.7-95.3	A-2-4	24	NP	30.6	40.3	12.9	16.2	91	72	29	-	-		