

PROJECT: 17BP.6.R.43

REFERENCE:

CONTENTS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	LEGEND
3	SITE PLAN
4	PROFILE
5-6	BORE LOGS

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

STRUCTURE
SUBSURFACE INVESTIGATION

COUNTY COLUMBUS
PROJECT DESCRIPTION BRIDGE NO.126 ON SR 1005
(PEACOCK ROAD) OVER GUM SWAMP

SITE DESCRIPTION

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	17BP.6.R.43	1	6

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 RALEIGH BY CONTACTING THE N.C. DEPARTMENT OF TRANSPORTATION, GEOTECHNICAL ENGINEERING UNIT, AT (919) 707-6850. THE SUBSURFACE PLANS AND REPORTS, FIELD BORING LOGS, ROCK CORES AND SOIL TEST DATA ARE NOT 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 THE 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.

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

PERSONNEL

O.B. OTI

D.G. PINTER

J.R. MATULA

INVESTIGATED BY J.L. STONE

DRAWN BY C.P. TURNER

CHECKED BY D.N. ARGENBRIGHT

SUBMITTED BY D.N. ARGENBRIGHT

DATE SEPTEMBER 2014



DocuSigned by:

Joe Stone

9/5/2014

SIGNATURE

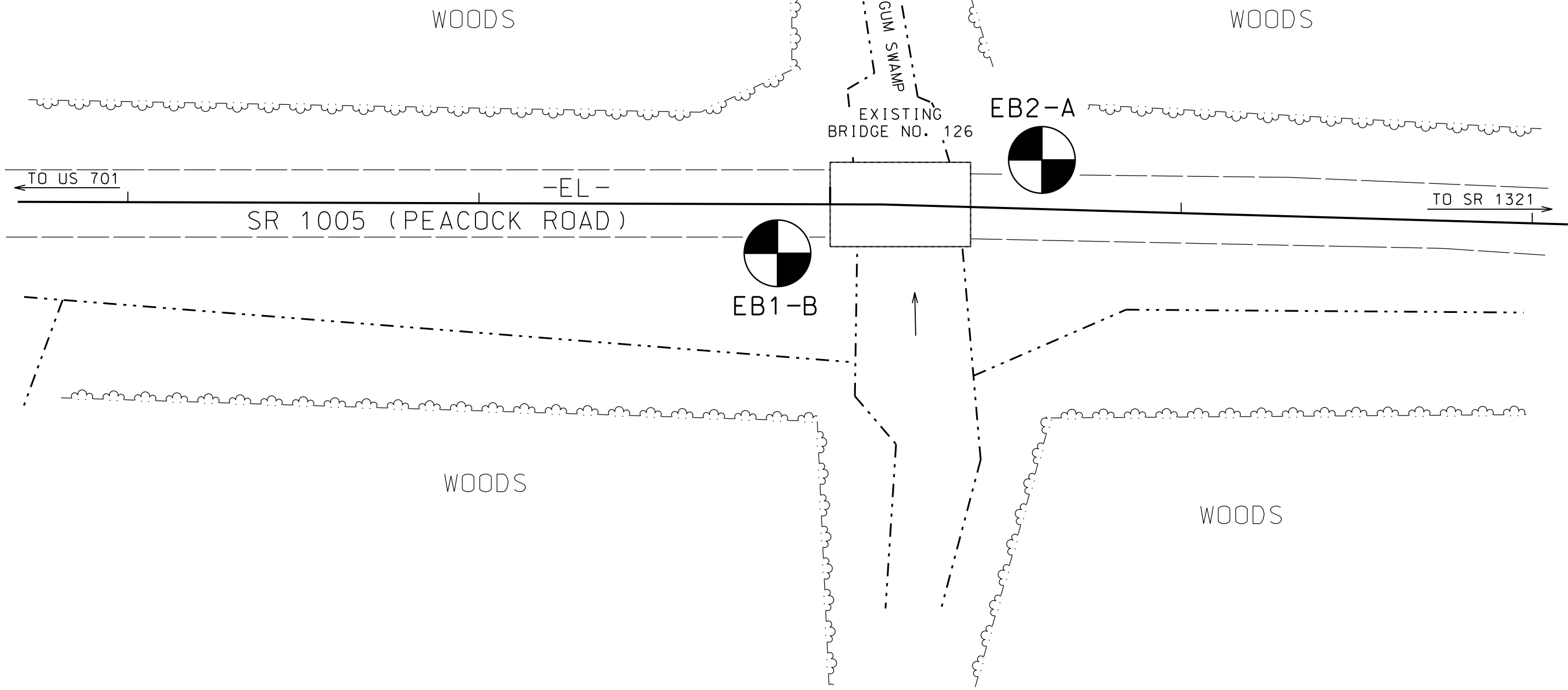
DATE

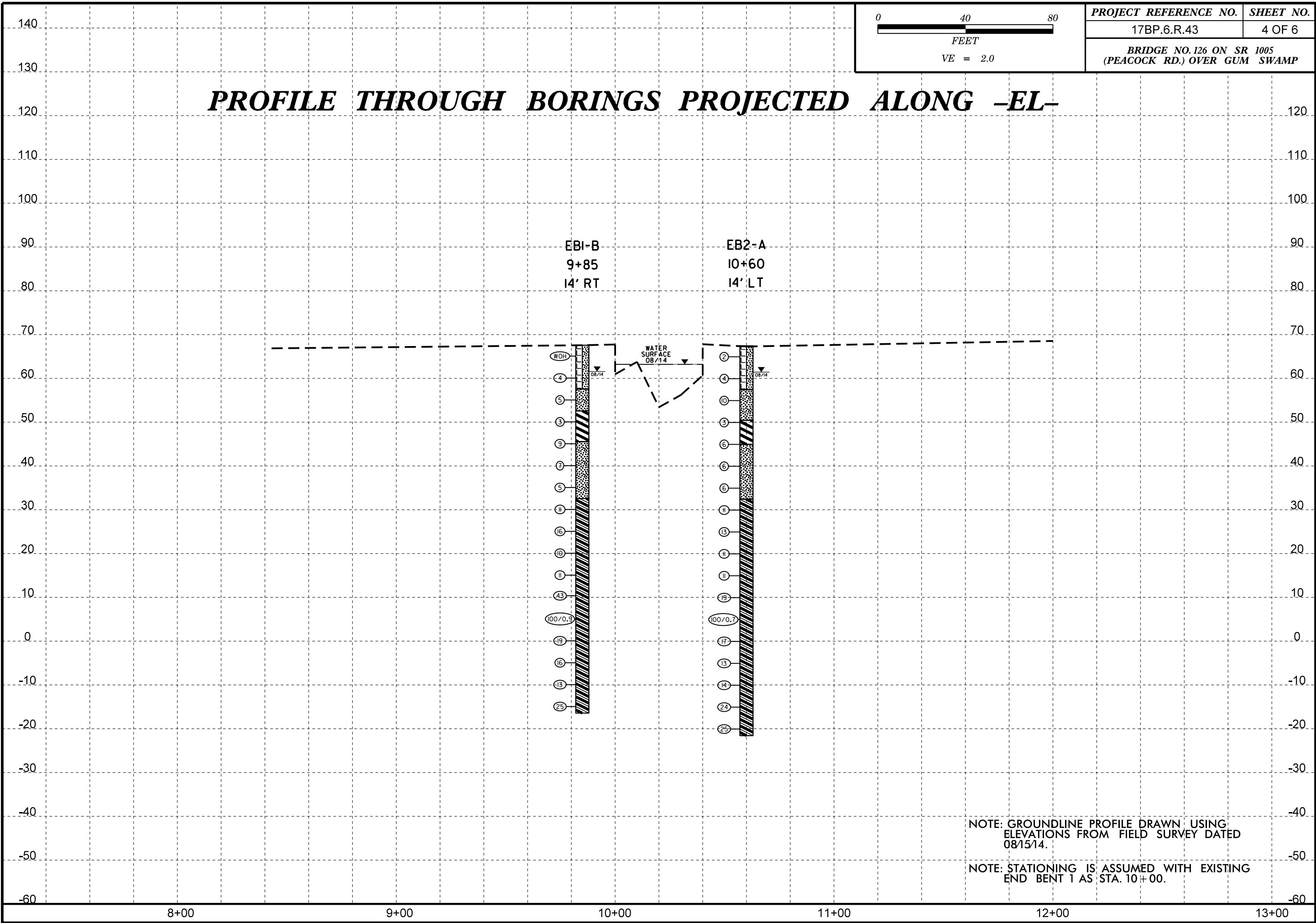
SKEW = 90°

8
(ASSUMED)

10
(ASSUMED)

12
(ASSUMED)





[illegible]

WBS 17BP.6.R.43						TIP N/A								COUNTY COLUMBUS									GEOLOGIST Oti, O. B.					
SITE DESCRIPTION BRIDGE NO. 126 ON -L- (SR 1005) OVER GUM SWAMP																				GROUND WTR (ft)								
BORING NO. EB1-B						STATION 9+85						OFFSET 14 ft RT						ALIGNMENT -EL-						0 HR. N/A				
COLLAR ELEV. 67.6 ft						TOTAL DEPTH 84.0 ft						NORTHING 165,172						EASTING 2,061,565						24 HR. 4.0				
DRILL RIG/HAMMER EFF./DATE RFO0074 CME-55 92% 07/12/2011												DRILL METHOD Mud Rotary						HAMMER TYPE Automatic										
DRILLER Pinter, D. G.						START DATE 08/14/14						COMP. DATE 08/14/14						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													
			0.5ft	0.5ft	0.5ft	0	25	50	75	100																		
-10						Match Line																						
			4	6	7	.	.	.	.	.	.	.	.	.	COASTAL PLAIN DARK GRAY SANDY CLAY, WET (BLACK CREEK FORMATION) (<i>continued</i>)													
-15	-14.9	82.5				.	.	.	.	.	.	.	.	.														
			7	12	13	.	.	.	.	.	.	.	.	.														
						.	.	.	.	.	.	.	.	.	-16.4 84.0													
															Boring Terminated at Elevation -16.4 ft IN VERY STIFF SANDY CLAY													

NCDOT BORE DOUBLE BORINGS.GPJ NC_DOT.GDT 9/4/14

WBS 17BP.6.R.43			TIP N/A			COUNTY COLUMBUS			GEOLOGIST Oti, O. B.						
SITE DESCRIPTION BRIDGE NO. 126 ON -L- (SR 1005) OVER GUM SWAMP									GROUND WTR (ft)						
BORING NO. EB2-A			STATION 10+60			OFFSET 14 ft LT			ALIGNMENT -EL-		0 HR. N/A				
COLLAR ELEV. 67.4 ft			TOTAL DEPTH 89.0 ft			NORTHING 165,230			EASTING 2,061,511		24 HR. 5.1				
DRILL RIG/HAMMER EFF./DATE RFO0074 CME-55 92% 07/12/2011						DRILL METHOD Mud Rotary			HAMMER TYPE Automatic						
DRILLER Pinter, D. G.			START DATE 08/18/14			COMP. DATE 08/18/14			SURFACE WATER DEPTH N/A						
ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION		
			0.5ft	0.5ft	0.5ft	0	25	50	75	100					
-10	-10.1	77.5	4	6	8	Match Line									
-15	-15.1	82.5	7	11	13								COASTAL PLAIN DARK GRAY SANDY CLAY, WET (BLACK CREEK FORMATION) (continued)		
-20	-20.1	87.5	7	11	14										
													-21.6	89.0	Boring Terminated at Elevation -21.6 ft IN VERY STIFF SANDY CLAY