REFERENCE

CONTENTS

DESCRIPTION

TITLE SHEET LEGEND SITE PLAN

PROFILE BORE LOGS

SHEET NO.

7BP.

STATE OF NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION **DIVISION OF HIGHWAYS** GEOTECHNICAL ENGINEERING UNIT

STRUCTURE SUBSURFACE INVESTIGATION

COUNTY <u>PERQUIMANS</u> PROJECT DESCRIPTION <u>BRIDGE NO</u> . 66 ON SR 100) <u> </u>
(SANDY CROSS RD.) OVER BRANCH OF PERQUIMANS RIVER AT -L- STA. 15 + 95.50	
SITE DESCRIPTION	

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTA SHEET
N.C.	SF-710066	1	5

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 1991 707-8650. THE SUBSURFACE PLANS AND REPORTS, FIELD BORING LOGS, ROCK CORES AND SOIL TEST DATA ARE NOT PART OF THE CONTRACT.

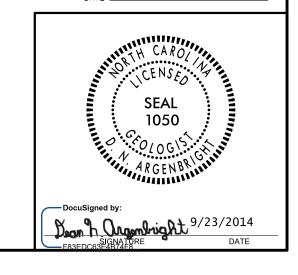
GENERAL SOIL AND ROCK STRATA DESCRIPTIONS AND INDICATED BOUNDARIES ARE BASED ON A GEOTECHNICAL INTERPRETATION OF ALL AVAILABLE SUBSURFACE DATA AND MAY NOT NECESSARILY REFLECT THE ACTUAL SUBSURFACE CONDITIONS BETWEEN BORINGS OR BETWEEN SAMPLED STRATA WITHIN THE BOREHOLE. THE LABORATORY SAMPLE DATA AND THE IN SITU (MIN-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 MOLCATED IN THE SUBSURFACE INVESTIGATION. THESE WATER LEVELS OR SOIL MOISTURE CONDITIONS MAY VARY CONSIDERABLY WITH TIME ACCORDING TO CLIMATIC CONDITIONS MAY VARY CONSIDERABLY WITH TIME ACCORDING TO CLIMATIC CONDITIONS MAY VARY CONSIDERABLY WITH TIME ACCORDING TO CLIMATIC CONDITIONS MAY VARY CONSIDERABLY WITH TIME ACCORDING TO CLIMATIC CONDITIONS MAY VARY CONSIDERABLY WITH TIME ACCORDING TO CLIMATIC CONDITIONS MAY VARY CONSIDERABLY WITH TIME ACCORDING TO CLIMATIC CONDITIONS MAY VARY CONSIDERABLY WITH TIME ACCORDING TO CLIMATIC CONDITIONS MAY VARY CONSIDERABLY WITH TIME ACCORDING TO CLIMATIC CONDITIONS MAY VARY CONSIDERABLY WITH TIME ACCORDING TO CLIMATIC CONDITIONS MAY VARY CONSIDERABLY WITH TIME ACCORDING TO CLIMATIC CONDITIONS MAY VARY CONSIDERABLY WITH TIME ACCORDING TO CLIMATIC CONDITIONS MAY VARY CONSIDERABLY WITH TIME ACCORDING TO CLIMATIC CONDITIONS MAY VARY CONSIDERABLY WITH TIME ACCORDING TO CLIMATIC CONDITIONS MAY VARY CONSIDERABLY WITH TIME ACCORDING TO CLIMATIC CONDITIONS MAY VARY CONSIDERABLY WITH TIME ACCORDING TO CLIMATIC CONDITIONS MAY VARY CONSIDERABLY WITH TIME ACCORDING TO CLIMATIC CONDITIONS MAY VARY CONSIDERABLY WITH TIME ACCORDING TO CLIMATIC CONDITIONS WATCH THE CONDIT INCLUDING TEMPERATURES, PRECIPITATION AND WIND, AS WELL AS OTHER NON-CLIMATIC FACTORS.

THE BIDDER OR CONTRACTOR IS CAUTIONED THAT DETAILS AND ON 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 SATISTY 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 FOOD THE FOR ANY REASON RESULTING FROM THE ACTUAL CONDITIONS FOR THE SUBSURFACE INFORMATION.

- TES:
 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.

G.E.T. PERSONNEL
INVESTIGATED BY
DRAWN BY
CHECKED BYD.N. ARGENBRIGHT
SUBMITTED BY
DATE _SEPTEMBER 2014

PERSONNEL J.K. CRENSHAW



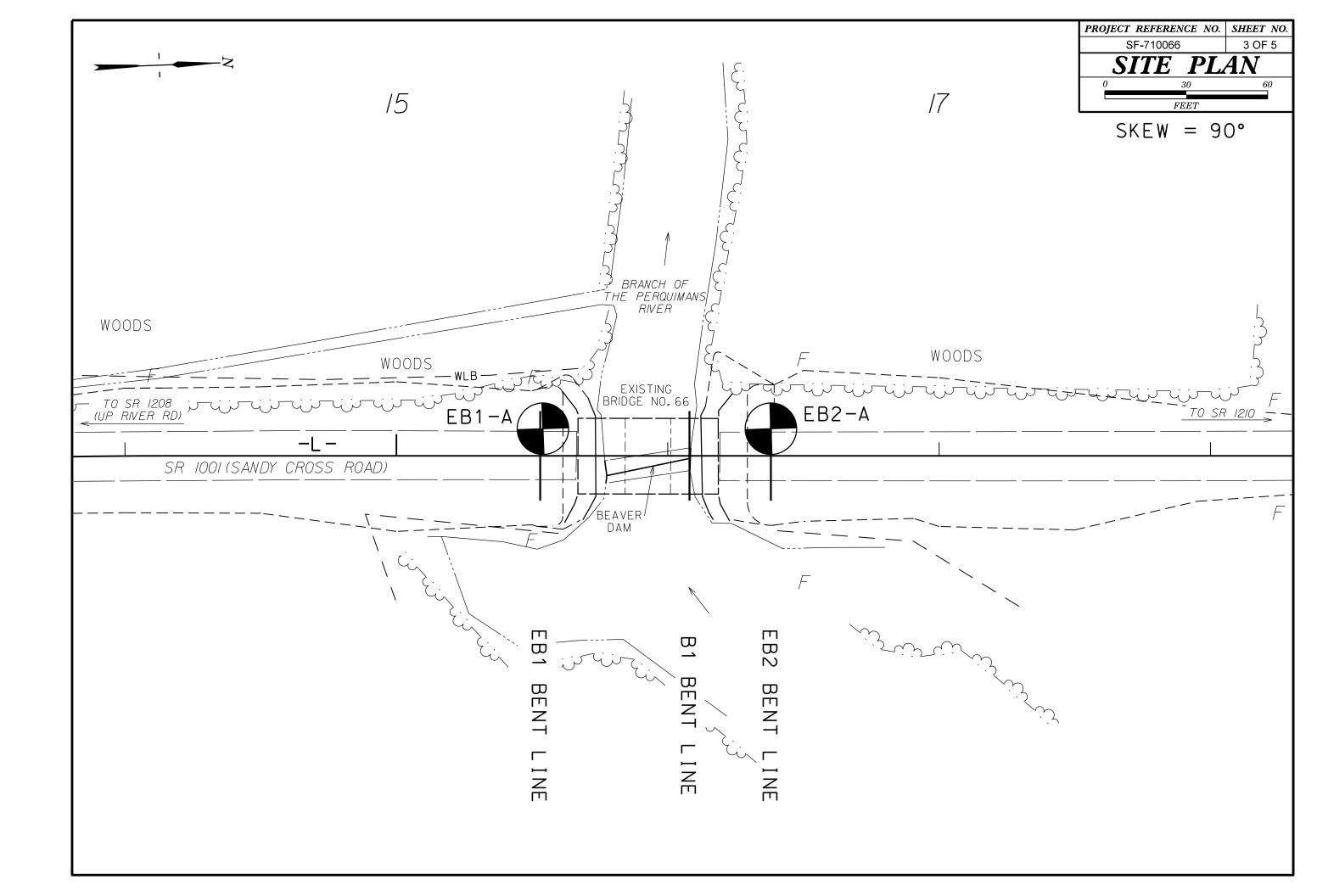
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NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS GEOTECHNICAL ENGINEERING UNIT

SUBSURFACE INVESTIGATION

SOIL AND ROCK LEGEND, TERMS, SYMBOLS, AND ABBREVIATIONS

The color of the						
Application of the control of the	SOIL DESCRIPTION	GRADATION	ROCK DESCRIPTION	TERMS AND DEFINITIONS		
Section Control of the control o			ROCK LINE INDICATES THE LEVEL AT WHICH NON-COASTAL PLAIN MATERIAL WOULD YIELD SPT REFUSAL.			
Column C						
Column C	CONSISTENCY, COLOR, TEXTURE, MOISTURE, AASHTO CLASSIFICATION, AND OTHER PERTINENT FACTORS SUCH	ANGULARITY OF GRAINS	REPRESENTED BY A ZONE OF WEATHERED ROCK.			
Solid Letter Brown Application Appli			SI//AI//A			
March Control Contro						
The column The				WHICH IT IS ENCOUNTERED, BUT WHICH DOES NOT NECESSARILY RISE TO OR ABOVE THE GROUND		
Company Comp	CLASS. (\(\sigma \) 30% PASSING "200) (> 30% PASSING "200)		POCK (CD) WOULD TIELD SET REFUSHE IF TESTED, ROCK TIPE INCLUDES GRHNITE,			
Column C			NON-COVETALLINE - FINE TO COARSE GRAIN METAMORPHIC AND NON-COASTAL PLAIN			
The content of the	000000000		- SEDIMENTARY ROCK THAT WOULD TELLD SPT REFUSAL IF TESTED.			
The column	000000000	MODERATELY COMPRESSIBLE LL = 31 - 50				
March Marc	#10 FG MY		(CP) SHELL BEDS, ETC.			
March Marc	*40 30 MX 50 MX 51 MN SOILS CLIAY PEAT		- WEATHERING			
The column	25 MX 25 MX 25 MX 25 MX 35 MX 35 MX 35 MX 35 MX 35 MX 35 MX 36 MX 36 MX 36 MX		FRESH ROCK FRESH, CRYSTALS BRIGHT, FEW JOINTS MAY SHOW SLIGHT STAINING, ROCK RINGS UNDER	DIP - THE ANGLE AT WHICH A STRATUM OR ANY PLANAR FEATURE IS INCLINED FROM THE		
The column	PASSING #40	LITTLE ORGANIC MATTER 3 - 5% 5 - 12% LITTLE 10 - 20%				
The control of the	LL - - 40 MX 41 MN 40 MX 41 MN 40 MX 41 MN 40 MX 41 MN LITTLE OR		(V SLI.) CRYSTALS ON A BROKEN SPECIMEN FACE SHINE BRIGHTLY, ROCK RINGS UNDER HAMMER BLOWS IF			
Company Comp	PI 6 MX NP 10 MX 10 MX 11 MN 11 MN 10 MX 10 MX 11 MN 11 MN MODERATE ORGANIC		1			
The content of the	GROUP INDEX 8 8 AX 12 MX 15 MX NU MX AMUUNTS OF SOILS					
Part	DE MAIDE CRAVEL AND FINE SILIT UR CLAYEY SILIT CLAYEY MAITER			FISSILE - A PROPERTY OF SPLITTING ALONG CLOSELY SPACED PARALLEL PLANES.		
CALLEY THE COLUMN TH	MATERIALS SAND SAND GRAVEL AND SAND SULLS SULLS					
The Act Assembly 10 Law Park Assembly 20		E				
Compared by		── SPRING OR SEEP				
Part		MISCELL ANEOLIS SYMBOLS				
Part Continue Co	PANCE OF CTANDARD BANCE OF UNICONSTINED	THISCELE AND COURT OF THE COURT	(MOD.SEV.) AND CAN BE EXCAVATED WITH A GEOLOGIST'S PICK. ROCK GIVES "CLUNK" SOUND WHEN STRUCK.	JOINT - FRACTURE IN ROCK ALONG WHICH NO APPRECIABLE MOVEMENT HAS OCCURRED.		
MILEST Section Secti	PRIMARY SOIL TYPE COMPRESSIVE STRENGTH					
Company 10 10 10 10 10 10 10 1		SPT C CLOPE INDICATOR				
## 1	GENERALLT LOOSE 4 TO 10	SOIL SYMBOL OF DOT DOT TEST BORING INSTALLATION	TO SOME EXTENT. SOME FRAGMENTS OF STRONG ROCK USUALLY REMAIN.			
## 25 DEC 3.20 1.00	MATERIAL DENSE 30 TO 50	ARTIFICIAL FILL (AF) OTHER AUGER BORING CONE PENETROMETER				
STATE 10 STA		THAN RUADWAY EMBANKMENI				
## 100 ##		── INFERRED SOIL BOUNDARY ── CORE BORING ■ SOUNDING ROD				
Motivation 1						
Text	MATERIAL STIFF 8 TO 15 1 TO 2	PIEZOMETER	SCATTERED CONCENTRATIONS. QUARTZ MAY BE PRESENT AS DIKES OR STRINGERS. SAPROLITE IS			
TEXTURE DIC CHAIN STREET 15						
MATERIAL PROPRIES AND STATE 1.00 Material Propries 1.00 Material	TEXTURE OR GRAIN SIZE	RECOMMENDATION SYMBOLS				
Section 100	U.S. STD. SIEVE SIZE 4 10 40 60 200 270	UNCLASSIFIED EXCAVATION - TAN UNCLASSIFIED EXCAVATION -		1		
CORRECT PART		USED IN THE TOP 3 FEET OF		RELATIVELY THIN COMPARED WITH ITS LATERAL EXTENT, THAT HAS BEEN EMPLACED PARALLEL TO		
## ABBREVIATIONS SPECIAL PROPERTY OF THE PRO		UNDERCUT UNCLASSIFIED EXCAVATION - ACCEPTABLE DEGRADABLE ROCK EMBANKMENT OR BACKFILL				
PARTIC LIMIT PART	(RLDR) (CDR) (GR) SAND SAND (SL) (CL)					
12 2 3 SIL MOISTURE - CORRELATION OF TERMS SOIL MOISTURE - CORRELATION OF TERMS SOIL MOISTURE SCALE FIELD MOISTURE SCALE FIEL	GRAIN MM 305 75 2.0 0.25 0.05 0.005			STANDARD PENETRATION TEST (PENETRATION RESISTANCE) (SPT) - NUMBER OF BLOWS (N OR BPF) OF		
SOL MOISTURE - CORRELATION OF TERMS SOL MOISTURE - CORRELATION OF TERMS OF CORPE FIELD MOISTURE DID CONFERENCE SOLITOR OF CORPE FIELD MOISTURE DID CONFERENCE SOLITOR SOLIT						
SOIL MOSTURE SCALE FILL MOSTURE CSC. COARSE CORPE COARSE CSC. COARSE CORPE CSC. COARSE CSC. COARSE	SOIL MOISTURE - CORRELATION OF TERMS					
SATURATED - USUALLY LIDIUITY VET, USUALLY CONTINUES ON STATE OF PACE PROSECUTION. SATURATED - USUALLY LIDIUITY VET, USUALLY LIDIUIT		CSE COARSE ORG ORGANIC				
SALEATED SUBJECT LIDUID LIVEY SALE PLOST TO SALE SHOWN MINISTRE OF THE CAME OF THE COLOR WHEN THE CAME SHOWN TO SALE SHOWN MINISTRE SHIP SALE	(ATTERBERG LIMITS) DESCRIPTION					
SHIP COLOR WITHOUT MANUAL COLOR BY FINCE PRESSURE. CAN BE SCHATCHED READLY BY FINCE PRESSURE. CAN BE SCHATCHED		e - VOID RATIO SD SAND, SANDY SS - SPLIT SPOON		LENGTH OF ROCK SEGMENTS WITHIN A STRATUM EQUAL TO OR GREATER THAN 4 INCHES DIVIDED BY		
PLASTIC INT. RANCE PI PL PLASTIC INT. PLASTIC BEACH. PLASTIC INT. PLASTIC BEACH. PLASTIC INT.			SOFT OR MORE IN THICKNESS CAN BE BROKEN BY FINGER PRESSURE. CAN BE SCRATCHED READILY BY			
PLASTIC LIMIT	PLASTIC CEMICOLID. DEGLIDES DRVING TO	FRAC FRACTURED, FRACTURES TCR - TRICONE REFUSAL RT - RECOMPACTED TRIAXIAL		TOPSOIL (TS.) - SURFACE SOILS USUALLY CONTAINING ORGANIC MATTER.		
OM DETINUM MOISTURE SL SHRINKAGE LIMIT - MOIST - (M) SOLID, AT OR NEAR OPTINUM MOISTURE SL SHRINKAGE LIMIT - REQUIRES ADDITIONAL WATER TO ATTAIN OPTINUM MOISTURE SL SHRINKAGE LIMIT - ORY - (D) REQUIRES ADDITIONAL WATER TO ATTAIN OPTINUM MOISTURE - ORY - (D) REQUIRES ADDITIONAL WATER TO ATTAIN OPTINUM MOISTURE - ORY - (D) REQUIRES ADDITIONAL WATER TO ATTAIN OPTINUM MOISTURE - ORY - (D) REQUIRES ADDITIONAL WATER TO ATTAIN OPTINUM MOISTURE - ORY - (D) REQUIRES ADDITIONAL WATER TO ATTAIN OPTINUM MOISTURE - ORY - (D) REQUIRES ADDITIONAL WATER TO ATTAIN OPTINUM MOISTURE - ORY - (D) REQUIRES ADDITIONAL WATER TO ATTAIN OPTINUM MOISTURE - ORY - (D) REQUIRES ADDITIONAL WATER TO ATTAIN OPTINUM MOISTURE - ORY - (D) REQUIRES ADDITIONAL WATER TO ATTAIN OPTINUM MOISTURE - ORY - (D) REQUIRES ADDITIONAL WATER TO ATTAIN OPTINUM MOISTURE - ORY - (D) REQUIRES ADDITIONAL WATER TO ATTAIN OPTINUM MOISTURE - ORY - (D) REQUIRES ADDITIONAL WATER TO ATTAIN OPTINUM MOISTURE - ORY - (D) REQUIRES ADDITIONAL WATER TO ATTAIN OPTINUM MOISTURE - ORY - (D) REQUIRES ADDITIONAL WATER TO ATTAIN OPTINUM MOISTURE - ORY - (D) REQUIRES ADDITIONAL WATER TO ATTAIN OPTINUM MOISTURE - ORY - (D) REQUIRES ADDITIONAL WATER TO ATTAIN OPTINUM MOISTURE - ORY - (D) REQUIRES ADDITIONAL WATER TO ATTAIN OPTINUM MOISTURE - ORY - (D) REQUIRES ADDITIONAL WATER TO ATTAIN OPTINUM MOISTURE - ORY - (D) REQUIRES ADDITIONAL WATER TO A FEET THINLY BEDOED - ORY - (D) REQUIRES ADDITIONAL WATER TO A FEET THINLY BEDOED - ORY - (D) REQUIRES ADDITIONAL WATER TO A FEET THINLY BEDOED - ORY - (D) REQUIRES ADDITIONAL WATER TO A FEET THINLY BEDOED - OR - S.D OR - S.D OR - S.D FEET THINLY BEDOED - OR - S.D OR - S.D OR - C.D OR - O	(PI) PLASTIC LIMIT					
OM OPTIMUM MOISTURE SL. SHRINKAGE LIMIT REQUIRES ADDITIONAL WATER TO ATTAIN OPTIMUM MOISTURE PLASTICITY PLASTICITY NON PLASTIC 6-5 VERY LOW SLIGHT PLASTIC 6-15 SLIGHT MODERATELY COSE SLIGHT MODERATELY PLASTIC 6-15 SLIGHT MODERATELY NOW PLASTIC 6-15 SLIGHT MODERATELY PLASTIC 6-15 SUNDING ROD SOUNDING ROD INDURATED FOR SEDIMENTARY ROCKS, INDURATED FOR SEDIMEN						
- DRY - (I) REQUIRES ADDITIONAL WATER TO ATTAIN OPTIMUM MOISTURE - DRY - (II) REQUIRES ADDITIONAL WATER TO ATTAIN OPTIMUM MOISTURE - DRY - (II) REQUIRES ADDITIONAL WATER TO ATTAIN OPTIMUM MOISTURE - DRY - (II) REQUIRES ADDITIONAL WATER TO ATTAIN OPTIMUM MOISTURE - DRY - (II) REQUIRES ADDITIONAL WATER TO ATTAIN OPTIMUM MOISTURE - DRY - (II) REQUIRES ADDITIONAL WATER TO ATTAIN OPTIMUM MOISTURE - DRY - (II) REQUIRES ADDITIONAL WATER TO ATTAIN OPTIMUM MOISTURE - DRY - (II) REQUIRES ADDITIONAL WATER TO GOOD ATTAIN OPTIMUM MOISTURE - DRY - (II) REQUIRES ADDITIONAL WATER TO ATTAIN OPTIMUM MOISTURE - DRY - (II) REQUIRES ADDITIONAL WATER TO GOOD ATTAIN OPTIMUM MOISTURE - DRY - (II) REQUIRES ADDITIONAL WATER TO ATTAIN OPTIMUM MOISTURE - DRY - (II) REQUIRES ADDITIONAL WATER TO ATTAIN OPTIMUM MOISTURE - DRY - (II) REQUIRES ADDITIONAL WATER TO ATTAIN OPTIMUM MOISTURE - DRY - (II) REQUIRES ADDITIONAL WATER TO ATTAIN OPTIMUM MOISTURE - DRY - (II) REQUIRED TO BREAK SAMPLE; - DRY - (II) REQUIRED TO BREAK SAMPLE; - DRY - (II) RADIAL MOISTURE TO BREAK SAMPLE; - DRY - (II) RADIAL MOISTURE - DRY - (II) RADIAL MOISTURE - THICKLY, LANGINGTON AUGER THICK, HEAT TO BE AND AUGER THIN STEEL PROBE; - DRY - (II) RADIAL MOISTURE - DRY - (II) RADIAL MOISTURE - DRY - (III) RADIAL MOISTURE - DRY - (III) RADIAL MOISTURE - DRY - (III) RADIAL CLOSE A. SAMPLE. - DRY - (III) RADIAL CLOSE A. SAMPLE DRY - (III) RADIAL	OM \(\psi\) OPTIMUM MOISTURE					
PLASTICITY PLASTICITY PLASTICITY STREATH		CME-45C CLAY BITS X AUTOMATIC MANUAL	CLOSE 0.16 TO 1 FOOT VERY THINLY BEDDED 0.03 - 0.16 FEET	NOTES:		
PLASTICITY PLASTICITY INDEX (PI) PLASTIC 16-55 VERY LOW SLIGHT WANE SHEAR TEST WODERATELY PLASTIC 16-25 MEDIUM MODERATELY PLASTIC 16-25 MEDIUM PORTABLE HOIST TINGCARBIDE INSERTS W/ ADVANCER HIGHLY PLASTIC 26 OR MORE HIGH PORTABLE HOIST TINGCARB. TINDURATION FOR SEDIMENTARY ROCKS, INDURATION IS THE HARDENING OF MATERIAL BY CEMENTING, HEAT, PRESSURE, ETC. FRIBBLE GENERAL SERVING GRAINS; GRAINS CAN BE SPARATED FROM SAMPLE. HAND TOOLS: POST HOLE DIGGER HAND AUGERS HAND TOOLS: POST HOLE DIGGER HAND TOOLS: POST HOLE DIGGER HAND TOOLS: POST HOLE DIGGER HAND AUGERS HAND TOOLS: POST HOLE DIGGER HAND TOOLS: FRIBBLE GENERAL SENIMATION IS THE HARDENING OF MATERIAL BY CEMENTING, HEAT, PRESSURE, ETC. HAND TOOLS: FOR SEDIMENTARY ROCKS, INDURATION IS THE HARDENING OF MATERIAL BY CEMENTING, HEAT, PRESSURE, ETC. FRIBBLE GENERAL SENIMANS FRIBBLE FRIBBLE GENIMATOR FOR SEDIMENTARY ROCKS, INDURATION IS THE HARDENING OF MATERIAL BY CEMENTING, HEAT, PRESSURE, ETC. HAND TOOLS: POST HOLE DIGGER HAND TOOLS: FRIBBLE FRIBBLE FRIBBLE FRIBBLE FRIBLE FRIBBLE FR		6° CONTINUOUS FLIGHT AUGER CORE CLIFE				
PLASTICITY INDEX (PI) ORY STRENGTH NON PLASTIC NON PLASTIC O-5 VERY LOW SLIGHTLY PLASTIC MODERATELY PLASTIC OF 0-5 MEDIUM MODERATELY PLASTIC OF 0-5 MEDIUM OF 0-5 M		CME-55 □ CORE SIZE:		1		
NON PLASTIC 0-5 VERY LOW SLIGHTLY PLASTIC 6-15 SLIGHT VANE SHEAR TEST SHARP HAMMER BLOWS REQUIRED TO BREAK SAMPLE;				1		
SLIGHTLY PLASTIC 6-15 SLIGHT MODERATELY PLASTIC 16-25 MEDIUM HIGHLY PLASTIC 26 OR MORE HIGH PORTABLE HOIST TRICONE 2 15/6 'STEEL TEETH HAND AUGER COLOR DESCRIPTIONS MAY INCLUDE COLOR OR COLOR COMBINATIONS (TAN, RED, YELLOW-BROWN, BLUE-GRAY). MODIFIERS SUCH AS LIGHT, DARK, STREAKED, FTC, APE, LIST, DARK, STREAKED,		TING -CARRIDE INSERTS	RUBBING WITH FINGER FREES NUMEROUS GRAINS;			
HIGHLY PLASTIC 26 OR MORE HIGH PORTABLE HOIST TRICONE TRICONE	SLIGHTLY PLASTIC 6-15 SLIGHT	VANE SHEAR TEST X CASING W/ ADVANCER HAND TOOLS:	GENTLE BLOW BY HAMMER DISINTEGRATES SAMPLE.			
COLOR DESCRIPTIONS MAY INCLUDE COLOR OR COMBINATIONS (TAN, RED, YELLOW-BROWN, BLUE-GRAY). MODIFIERS SUCH AS LIGHT, DARK, STREAKED, FTC, ARE JISPO, TO DESCRIBE APPEARANCE. DESCRIPTIONS MAY INCLUDE COLOR OR COLOR COMBINATIONS (TAN, RED, YELLOW-BROWN, BLUE-GRAY). UNABLE TO STREAK STREAKED, FTC, ARE JISPO, TO DESCRIBE APPEARANCE. SHARP HAMMER BLOWS REQUIRED TO BREAK SAMPLE:		POST HOLE DIGGER				
DESCRIPTIONS MAY INCLUDE COLOR OR COLOR COMBINATIONS (TAN, RED, YELLOW-BROWN, BLUE-GRAY). MODIFIERS SUCH AS LIGHT DARK STREAKED FTC. APE USED TO DESCRIPE APPEARANCE. SOUNDING ROD INDURATED OFFICULT TO BREAK WITH HAMMER. SHARP HAMMER BLOWS REQUIRED TO BREAK SAMPLE:		TOLOGUE LATING CARD HAND AUGER	CRAINC ARE DIFFICULT TO SERARATE WITH STEEL PROPE.			
MODIFIERS SUCH AS LIGHT DARK STREAKFD FTC. ARE USED TO DESCRIBE APPEARANCE.						
		UURE BII	SHARP HAMMER BLOWS REQUIRED TO BREAK SAMPLE;			
				DATE: 8-15-1		



_30	 									PROJECT REFERENCE N SF -710066 ROADWAY DESIGN	4 OF
25	PROFILE	THI	ROUGH	BORINGS	PROJ	ECTE	D AI	LONG	-L -		ETE PLANS R R/W ACQUISITION
20			EBI-A	ļ		EB2	- A			PRELIMIN DO NOT USE F	ARY PLANS
			15+54			16+					
15			10'LT			10′ [<u></u>				2.0
10				ļ							
5	VERY LOC	ose to				8		DRANGE			
9	TAN SAND,			WATER SURFACE 01/14			(ROADWAY	EMBANKMEN	T;)		
0		+ + - ·			- + + الر	(WOH)	09/14	WN MUCK,			
	MOI\$T TO	1 (W/()					4 : ·	H WOOD	- -		
-5		T0		MEDIUM DENSE GRAY S	SAND	8		L-Ü-V-I-AL-¦)			
-10	FRAGME	NTS.									
9	SOFT TO M	EDIUM 3		STIFF GRAY \$IL	.TY	4	CLAY	WITH SHELL	·		
-15	FRAGME	NTS. (4		WET		4	(VOBK TOW	VN FORMATIO	N1 \		
-20	FRAGMET	113.		WE I			TORKION	VIN FURIMATIU			
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-25						42)					
		(42									
-30		(6)				- 3			· i		
-35	MEDIUM DE	! ! •		VERY DENSE GRAY SA	ND AND	39	CLAYEY	SAND WITH			
		46									
-40						24		 	·		
-45	SHELL FRAC	SMENTS.		SATURATED			(YORKTOW	VN FORMATIO	N)		
		32				24)					
-50						(18-)					
		(32									
-55			7			- (18)			-!-		
-60		MEC	DIUM STIFF TO	HARD GRAY SILT WI	ТН	- (5)	7 7				
			1	RAGMENTS, WET		\mathcal{O}		NOTE:	GROUNDLINE PROFESSION REPORT F	DFILE ALONG LL TA RVEY AND HYDRAU ROVIDED.	AKEN :
-65			(YORK TO	NN FORMATION)		76)	1	i i	i i i		1 1
-70									THROUGH THE BO PROJECTED ONTO	RAPHY IS DRAWN DRINGS WITH BOTH PROFILE.	
10,	15+00	1 1	15+50	16+00		1	16+50	1	17+C	; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	<u> </u>

