## NORTH CAROLINA DIVISION OF HIGHWAYS GEOTECHNICAL UNIT

## SOIL AND ROCK CLASSIFICATION, LEGEND, AND ABBREVIATIONS

· ~ 1												1	~~	<b>いいつてつ エにいけ</b>	~\/	שר הביו	CEVIECE	
	OIL LEGE								ILA	TION				NSISTEN			<u>SENESS</u>	
GENERAL CLASS.		R MATERIA		- 1		LAY M			ORGANI	C MATE	RIALS		1ARY	COMPACTNESS OR		OF STANDARI		
		SSING #2				PASSI				T	r	SOIL	TYPE	CONSISTENCY		ATION RESISTANC	E COMPRESSIVE S	
GROUP CLASS.	A-1 A-3		1-2		A-4	A-5			A-1,A-2 A-3	A-4,A-5 A-6,A-7						***************************************	1814 7	/
	A-1-a A-1-b	A-2-4A-2-	5A-2-6A	-2-7	749-767-83°.	10020	unn	A-7-5 A-7-6	H-2	H-0,H-7		GENEF	2011 V	VERY LOOSE		< 4		
SYMBOL	000000000000000000000000000000000000000		17.77	$\mathcal{N}_{\mathcal{N}}$		1						GRANL		LOOSE MEDIUM DENSE		4 TO 10 10 TO 30	N/A	1
% PASSING								****				MATER		DENSE		30 TQ 50		
#10	50 MX						ı		GRANULAR	SILT- CLAY	MUCK.			VERY DENSE		> 50		
#40	30 MX 50 MX 51 MM								SOILS	SOILS	PEAT						< 25	:
#200	15 MX 25 MX 10 M	35 MX 35 M	x 35 MX 3	5 MX 3	36 MN 3	36 MN 3	36 MN :	36 MN						VERY SOFT SOFT		< 2 2 TO 4	25 10	
(PASSING +40)	)	40 MV 41 M	JAA W.		10 MV		a MV	41 MAN				GENER SILT-	RALLY	MEDIUM STIFF		4 TO 8	50 TO	100
LL   PI	6 MX N.P.	40 MX 41 MI							SOILS LITTL	WITH	HIGHLY	MATER	RIAL	STIFF		8 TO 15	100 TO	
		0	4 M						MODEF	RATE	ORGANIC			VERY STIFF HARD		15 TO 30 > 30	200 TO > 40	
GROUP INDEX		1 -	1 4 14	1	0 M/	2 MX 1	.6 MA	NO MY	AMOUN ORGAN	NTS OF	SOILS						/ 40	
OF MAJOR	STONE FRAGS. FINE		R CLAYE	Y	SIL		CLAY		MATTE	R .				GRO	UND	WATER	₹	
MATERIALS	GRAVEL & SAND	GRAVEL	AND SAN	ND	SOI	.S	SOIL	S				$\nabla$	MATE	R LEVEL IN BORE			Y AFTER DRILL	NG (I.A.D.
	* PI OF	A-7-5 < (l	L-30); P	PIOF	A-7-6	> (LL-:	3Ø)					<u></u>					DRILLING (	) HRS.)
	TEX		OR		RAIN		ZE					<b>V</b>	_ STAT	IC WATER LEVEL	(AFTER	24HRS.)		
	1 [ /	TIONE	UN	Un	HIII							Θ	- pepri	HED WATER (PW),	CATIEDA	TED ZONE O	D WATER READIN	CTDATA
BOULDER	R COBBLE	GRAVEL		OARSE	E	FIN		S	ILT	CL	_AY	<del>-</del>	=		JATONA	11ED 2011E) (1	K MHICK DEHNIN	JUNHIH
				SAND		SAN						O₩>	SPRIN	NG OR SEEPAGE				
GRAIN (mm)		75	2		0.25	ō	Ø.	05	Ø.	005		MIC	SCFLI	LANEOUS SY	MRN	LS AND	ABBREVIA <sup>*</sup>	TIONS
SIZE (IN)	12	3														SPT DPT TEST BO	CAL	IPLE
SOI	L MOIST	URE -	COF	RF	LA	ION	1 01	= T	ERM	IS				Y EMBANKMENT WITH	1 6	DPT TEST BO	IRING DESIG	NATIONS
	ISTURE SCALE		MOIST					<u>-</u>		· <b>-</b>			SUIL DE	ESCRIPTION				
	ERG LIMITS)		MULSIU RIPTION		GUIDE	FUR	FIEL	.0M C	ISTURE	DESCR	THLION		SOIL S	YMBOL	Ð	AUGER BO		SAMPLE
T				1	L							X	ADTIC:C	TAL CILL OTHER TH	ىر ݕ	) copr ===	SS-SPL	T SPOON PLE
		-	URATE							USUALI				IAL FILL OTHER THA Y EMBANKMENTS	۱۱۸ - ر	)- CORE BOR		_BY TUBE
I LL_	LIQUID LIMIT	( 9	SAT.)		-KUM	RFTC	JW IF	⊫ GR	UUND '	WATER	IABLE	NT.			٨	PIEZOMETE	ER SAM	PLE TOBE
PLASTIC					CEMI	col to	. DEOI	HDEC	DDVI	NG TO A	TTAIN		INFERR	ED SOIL BOUNDARI	ies 🗠	INSTALLAT	TION RS-FOC	K SAMPLE
RANGE		_	T- (W)			MUM N			DIVIE	40 10 F	HIIMIN	25°			_	SLOPE IND	ICATOR	
(P[) PL [ F	PLASTIC LIMIT											25°	STRIKE	AND DIP	(	INSTALLAT		
OM	OPTIMUM MOISTUR	DE MOT	ST- (M	11	COLT	D- AT	OD N	EAD	ODTIM	JM MOIS	THE	_	4 D D 4 D C	THE DED	_			
	SHRINKAGE LIN		.51- (14).	,	SULI	U; H1	UN N	CHN	OF I IMC	JM MO13	STURE		APPARE (NORMA		(	> SPT N-VAL	LUE	
1 "	OFFICIAL CIT	11.													_	_		
		-DR	Y- (D)		REGU	JIRES	IDDA	TIONA M MO	L WAT ISTURE	ER TO		•	ROD SO	DUNDING		) MONITORIN	IG WELL	
								1110	131011	_						/T . T T A .		
		ROC	K DE	ESC	CRIF	TIC	N							ABE	3KF /	<u>//OITAIV</u>	IS	
IN THE BROAD	DEST MEANING, HARI	ROCK IS C	ONSIDERE	D TO	BE THA	T INDUF	RATED I	EARTH	MATERIA	L WHICH I	CANNOT	ALLU	٧.	ALLUVIUM		MIC.	MICACEOUS	
BE COMPLED B	BY CONVENTIONAL S	OTI CAMPITI	NC TOOLS	יז מח	ECHNIU	IEC TH	E BULK	DARY I	ETWEEN	CUTI VIII	BUCK	AR		AUGER REFUS	AL	MOT.	MOTTLED	
											NUCK	BLDR		BOULDER				
IS ARBITRARY	Y. TRANSITION BET	WEEN SOIL	AND ROD													1 1 1 1	BLOWS / 30	) (:M
	TE THE STATE OF BE		HILD HOC	CK 12	UFIEN	REPRE	SENTE	) RA 5	ZUNE (	JI WEHII	HERED						BLOWS / 30 No sample	
ROCK", FOR T	THE PURPOSE OF	THIS INVES										CALC		CALCAREOUS		NS I	NO SAMPLE	
ROCK*.FOR T		THIS INVES										CALC CL.		CALCAREOUS CLAY		NS I	NO SAMPLE ORGANIC	TAKEN
	THE PURPOSE OF						S ARE	DIVID	ED AS I			CALC CL. CLY.		CALCAREOUS CLAY CLAYEY		NS I ORG. ( P.P. I	NO SAMPLE ORGANIC POCKET PENETRON	TAKEN
TERM	THE PURPOSE OF	OLS	TIGATIO	N, THE	SE MA	TERIAL	S ARE	DIVID RIPTI	ED AS I	FOLLOWS:		CALC CL. CLY. COB.	• !	CALCAREOUS CLAY CLAYEY COBBLE		NS I ORG. ( P.P. I REF. I	NO SAMPLE ORGANIC POCKET PENETRON REFER TO	TAKEN
TERM HARD	THE PURPOSE OF		TIGATION	N, THE	SE MA	TERIAL	S ARE  DESC	DIVID RIPTI BE PE	ED AS I	FOLLOWS:	) WER	CALC CL. CLY. COB. CSE.	• !	CALCAREOUS CLAY CLAYEY COBBLE COARSE	N TECT	NS ORG. OP.P. IREF. IRES. I	NO SAMPLE ORGANIC POCKET PENETROW REFER TO RESIDUAL	TAKEN
TERM HARD ROCK	THE PURPOSE OF	OLS INFERR ROCK L	ED 2	MATER AUGER	SE MA	TERIAL HAT CA	DESC NNOT THIN	DIVID RIPTI BE PE LEDGE	ED AS I	FOLLOWS:	) WER	CALC CL. CLY. COB. CSE. DPT		CALCAREOUS CLAYEY CLAYEY COBBLE COARSE DYNAMIC PENETRATIO	N TEST	NS I ORG. O P.P. I REF. I RES. I S.	NO SAMPLE ORGANIC POCKET PENETROW REFER TO RESIDUAL SOFT	TAKEN
TERM HARD	THE PURPOSE OF	OLS INFERR ROCK L	ED 2	MATER AUGER	SE MA	TERIAL HAT CA	DESC NNOT THIN	DIVID RIPTI BE PE LEDGE	ED AS I	FOLLOWS:	) WER	CALC CLY. COB. CSE. DPT EST.		CALCAREOUS CLAY CLAYEY COBBLE COARSE DYNAMIC PENETRATIO ESTIMATED	N TEST	NS I ORG. OF P.P. I REF. I RES. I S. SAT.	NO SAMPLE ORGANIC POCKET PENETRON REFER TO RESIDUAL SOFT SATURATED	TAKEN
TERM HARD ROCK	SYME CORED ROCK	OLS INFERR ROCK L III = III = HARD	ED 2	MATER AUGER ROCK	RIAL TI	TERIAL HAT CA EPT IN G TOOL	DESC NNOT THIN S FOR	DIVID RIPTI BE PE LEDGE OBTA	ED AS I	FOLLOWS:	)WER	CALC CLY. COB. CSE. DPT EST. F.	. !	CALCAREOUS CLAY CLAYEY COBBLE COARSE DYNAMIC PENETRATIO ESTIMATED FINE		NS I ORG. OF P.P. I REF. I RES. I S. SAT. SD.	NO SAMPLE ORGANIC POCKET PENETRON REFER TO RESIDUAL SOFT SATURATED SAND	TAKEN
TERM  HARD ROCK (HR)  WEATHERED	THE PURPOSE OF	OLS INFERR ROCK L III = III = HARD WEATHE	ED 2 INE 2 INE INE	MATER AUGER ROCK MATER	RIAL THE CORING	TERIAL HAT CA EPT IN G TOOL	DESC NNOT THIN S FOR	DIVID RIPTI BE PE LEDGE OBTA	ON NETRATES, AND INING A	FOLLOWS: ED BY PO REGUIRES SAMPLE	DWER	CALC CLY. COB. CSE. DPT EST. F. FIAD	•	CALCAREOUS CLAY CLAYEY COBBLE COARSE DYNAMIC PENETRATIO ESTIMATED FINE FILLED IMMED. AFTER DF	RILLING	NS I ORG. OP.P. I REF. I RES. I S. SAT. SD. SDY.	NO SAMPLE ORGANIC POCKET PENETRON REFER TO RESIDUAL SOFT SATURATED SAND SANDY	TAKEN
TERM HARD ROCK (HR) WEATHERED ROCK	SYME CORED ROCK	OLS INFERR ROCK L MENUE HARD WEATHE ROCK (H	ED 2 INE 2 INE	MATER AUGER ROCK MATER DIFFICE	RIAL THE CORING	TERIAL HAT CA EPT IN G TOOL HAT CA SING PO	DESC NNOT THIN S FOR N BE I	RIPTI BE PE LEDGE OBTA PENETI JGERS	ON NETRATE S, AND INING A RATED V	FOLLOWS:  ED BY PO REQUIRES SAMPLE VITH GRE LDS SPT I	OWER S AT 1 REFUSAL	CALC CL. CLY. COB. CSE. DPT EST. F. FIAD FOSS		CALCAREOUS CLAYEY CLAYEY COBBLE COARSE DYNAMIC PENETRATIO ESTIMA TED FINE FILLED IMMED. AFTER DF	RILLING	NS I ORG. (P.P. I REF. I RES. I S. SAT. SD. SDY. SED(S).	NO SAMPLE ORGANIC POCKET PENETRON REFER TO RESIDUAL SOFT SATURATED SAND SANDY SEDIMENT(S)	TAKEN
TERM  HARD ROCK (HR)  WEATHERED	SYME CORED ROCK	OLS INFERR ROCK L INFERR ROCK L HARD WEATHE ROCK (H	ED 2 INE 2 I	MATER AUGER ROCK MATER DIFFICE	RIAL THE CORING	HAT CAEPT IN G TOOL	DESC NNOT THIN S FOR N BE I	DIVID RIPTI BE PE LEDGE OBTA PENETI JGERS	ON NETRATE S, AND INING A RATED # AND YIEL RATED V	FOLLOWS:  ED BY PO REQUIRES SAMPLE VITH GRE LDS SPT I	OWER S AT 1 REFUSAL	CALC CL. CLY. COB. CSE. DPT EST. F. FIAD FOSS FRAC		CALCAREOUS CLAY CLAYEY COBBLE COARSE DYNAMIC PENETRATIO FINE FILLED IMMED. AFTER DF FOSSILIFEROUS FRACTURED	RILLING	NS   1   0   0   0   0   0   0   0   0   0	NO SAMPLE ORGANIC POCKET PENETRON REFER TO RESIDUAL SOFT SATURATED SAND SAND SEDIMENT(S) SILT, SILTY	TAKEN
TERM HARD ROCK (HR) WEATHERED ROCK	SYME CORED ROCK	OLS INFERR ROCK L HARD WEATHE ROCK (H SOFT	ED 2 INE 2 INE SINE SINE SINE SINE SINE SINE SINE	MATER AUGER ROCK MATER DIFFICI	RIAL THE CONTROL THE CONTROL THE COLTY	HAT CA EPT IN TOOL HAT CA SING PO	DESC NNOT THIN S FOR N BE I DWER AL N BE I POWER	RIPTI BE PE LEDGE OBTA PENETI JGERS PENETI	ED AS I	FOLLOWS:  ED BY PO REQUIRES SAMPLE  VITH GRE LDS SPT I	OWER S AT 1 REFUSAL	CALC CL. CLY. COB. CSE. DPT EST. F. FIAD FOSS FRAC FRAG		CALCAREOUS CLAY CLAYEY COBBLE COARSE DYNAMIC PENETRATIO ESTIMA TED FINE FILLED IMMED. AFTER DF FOSSILIFEROUS FRACTURED FRAGMENT(S)	RILLING	NS   1   ORG.   C   ORG.   ORG.   C   ORG.   C   ORG.   C   ORG.   C   ORG.   C   ORG.   C   ORG.   OR	NO SAMPLE ORGANIC POCKET PENETRON REFER TO RESIDUAL SOFT SATURATED SAND SAND SEDIMENT(S) SILT, SILTY SLIGHTLY	TAKEN ETER
TERM HARD ROCK (HR) WEATHERED ROCK	SYME CORED ROCK	OLS INFERR ROCK L INFERR ROCK L HARD WEATHE ROCK (H	ED 2 INE 2 INE SINE SINE SINE SINE SINE SINE SINE	MATER AUGER ROCK MATER DIFFICI	RIAL THE CONTROL THE CONTROL THE COLTY	HAT CA EPT IN TOOL HAT CA SING PO	DESC NNOT THIN S FOR N BE I DWER AL N BE I POWER	RIPTI BE PE LEDGE OBTA PENETI JGERS PENETI	ED AS I	FOLLOWS:  ED BY PO REQUIRES SAMPLE VITH GRE LDS SPT I	OWER S AT 1 REFUSAL	CALC CLY. COB. CSE. DPT EST. F. FIAD FOSS FRAC FRAG GR.	(S).	CALCAREOUS CLAY CLAYEY COBBLE COARSE DYNAMIC PENETRATIO ESTIMATED FINE FILLED IMMED. AFTER DIS FRACTURED FRACHENT(S) GRAVEL	RILLING S	NS I ORG. COMMENT OF THE PRES. I SAT. SD. SDY. SED(S). SL. SLI. SPT	NO SAMPLE ORGANIC POCKET PENETRON REFER TO RESIDUAL SOFT SATURATED SAND SANDY SEDIMENT(S) SELIGHTLY STANDARD PENETR	TAKEN ETER
TERM HARD ROCK (HR)  WEATHERED ROCK (WR)	SYME CORED ROCK	OLS  INFERR ROCK L  INFERR ROCK L  WEATHE ROCK (S  SOFT WEATHE ROCK (S	ED 2 INE 2 I	MATER AUGER ROCK MATER DIFFICI MATER DIFFICI SPT V	RIAL THE CORING THE COLTY UNITY U	HAT CA EPT IN G TOOL HAT CA SING PO HAT CA USING > 100	DESC NNOT THIN S FOR N BE I DWER AL N BE I POWER BLOWS	RIPTI BE PE LEDGE OBTA PENETI JGERS PENETI	ED AS I	FOLLOWS:  ED BY PO REQUIRES SAMPLE  VITH GRE LDS SPT I	OWER S AT 1 REFUSAL	CALC CLY. COB. CSE. DPT EST. F. FIAD FOSS FRAC FRAG GR. GS	(S).	CALCAREOUS CLAY CLAYEY COBBLE COARSE DYNAMIC PENETRATIO ESTIMATED FINE FILLED NAMED. AFTER DF FOSSILIFEROUS FRACTURED FRACMELT(S) GRAVEL SPECIFIC GRAV	RILLING S	NS   1   ORG.   C   ORG.   ORG.   C   ORG.   ORG.   C   ORG.	NO SAMPLE ORGANIC POCKET PENETRON REFER TO RESIDUAL SOFT SATURATED SAND SANDY SEDIMENT(S) SILT, SILTY STANDARD PENETR TOPSOIL	TAKEN ETER ATION TEST
TERM HARD ROCK (HR) WEATHERED ROCK (WR)  1 SPT REF	SYME CORED ROCK  FUSAL ≤ 2.5 cm	OLS  INFERR ROCK L  INFERR ROCK L  HARD WEATHE ROCK (F  SOFT WEATHE ROCK (S)  OF PENETRA	ED 2 INE 2 I	MATER AUGER ROCK MATER DIFFICE MATER DIFFICE SPT V	RIAL THE CORING CORING RIAL THE ULTY U	HAT CA EPT IN G TOOL HAT CA SING PO HAT CA USING > 100	DESC NNOT THIN S FOR N BE I DWER AL N BE I POWER BLOWS	RIPTI BE PE LEDGE OBTA PENETI JGERS PENETI : AUGE	ON NETRATES, AND INING A RATED W AND YIEL RATED W RS AND < SPT	FOLLOWS:  ED BY PC REQUIRES SAMPLE VITH GRE LDS SPT I VITH SOM YIELDS REFUSAL	JWER S AT L REFUSAL	CALC CL. CLY. COB. CSE. DPT EST. F. FIAD FOSS FRAC FRAG GR. GS GW		CALCAREOUS CLAY CLAYEY COBBLE COARSE DYNAMIC PENETRATIO ESTIMA TED FINE FILLED IMMED. AFTER DF FOSSILIFEROUS FRACTURED FRAGMENT(S) GRAVEL SPECIFIC GRAV GROUND WATE	RILLING S	NS   10   10   10   10   10   10   10   1	NO SAMPLE ORGANIC POCKET PENETRON REFER TO RESIDUAL SOFT SATURATED SAND SANDY SEDIMENT(S) SILT, SILTY STANDARD PENETR TOPSOIL VANE SHEAF	TAKEN ETER ATION TEST
TERM HARD ROCK (HR)  WEATHERED ROCK (WR)  1 SPT REF 2 AN INFE	SYME CORED ROCK  SYME CORED ROCK  FUSAL ≤ 2.5 cm ERRED ROCK LINE	OLS  INFERR ROCK L  WEATHE ROCK (H SOFT WEATHE ROCK (G) OF PENETRA INDICATES	ED 2 INE 2 I	MATER AUGER ROCK MATER DIFFIC SPT V	RIAL THE RESE MARIAL THE ULTY URIAL THE CULTY VALUES BLOWS	HAT CA EPT IN 3 TOOL HAT CA SING PO HAT CA USING > 100 IN SPT. CH AUC	DESC NNOT THIN S FOR N BE I DWER AL N BE I POWER BLOWS	DIVID RIPTI BE PE LEOGE OBTA PENETI JGERS PENETI AUGE S BUT	ED AS I	FOLLOWS:  ED BY PC REGUIRES SAMPLE VITH GRE LDS SPT I VITH SOM YIELOS REFUSAL  GER PENE	DWER S AT L REFUSAL	CALC CLY. COB. CSE. DPT EST. F. FIAD FOSS FRAC FRAG GR. GS		CALCAREOUS CLAY CLAYEY COBBLE COARSE DYNAMIC PENETRATIO ESTIMATED FINE FILLED NAMED. AFTER DF FOSSILIFEROUS FRACTURED FRACMELT(S) GRAVEL SPECIFIC GRAV	RILLING S	NS I ORG. P.P. I REF. I S. SAT. SD. SED(S). SL. SL. SPT TS. VST V.	NO SAMPLE ORGANIC POCKET PENETRON REFER TO RESIDUAL SOFT SATURATED SAND SANDY SEDIMENT(S) SILT, SILTY SLIGHTLY STANDARD PENETR TOPSOIL VANE SHEAF	TAKEN ETER ATION TEST
TERM HARD ROCK (HR)  WEATHERED ROCK (WR)  1 SPT REF 2 AN INFE	SYME CORED ROCK  FUSAL ≤ 2.5 cm	OLS  INFERR ROCK L  WEATHE ROCK (H SOFT WEATHE ROCK (G) OF PENETRA INDICATES	ED 2 INE 2 I	MATER AUGER ROCK MATER DIFFIC SPT V	RIAL THE RESE MARIAL THE ULTY URIAL THE CULTY VALUES BLOWS	HAT CA EPT IN 3 TOOL HAT CA SING PO HAT CA USING > 100 IN SPT. CH AUC	DESC NNOT THIN S FOR N BE I DWER AL N BE I POWER BLOWS	DIVID RIPTI BE PE LEOGE OBTA PENETI JGERS PENETI AUGE S BUT	ED AS I	FOLLOWS:  ED BY PC REGUIRES SAMPLE VITH GRE LDS SPT I VITH SOM YIELOS REFUSAL  GER PENE	DWER S AT L REFUSAL	CALC CL. CLY. COB. CSE. DPT EST. F. FIAD FOSS FRAC FRAG GR. GS GW		CALCAREOUS CLAY CLAYEY COBBLE COARSE DYNAMIC PENETRATIO ESTIMA TED FINE FILLED IMMED. AFTER DF FOSSILIFEROUS FRACTURED FRAGMENT(S) GRAVEL SPECIFIC GRAV GROUND WATE	RILLING S	NS I ORG. P.P. I REF. I S. SAT. SD. SED(S). SL. SL. SPT TS. VST V.	NO SAMPLE ORGANIC POCKET PENETRON REFER TO RESIDUAL SOFT SATURATED SAND SANDY SEDIMENT(S) SILT, SILTY STANDARD PENETR TOPSOIL VANE SHEAF	TAKEN ETER ATION TEST
TERM  HARD  ROCK (HR)  WEATHERED  ROCK (WR)  1 SPT REF 2 AN INFE THE HAF	SYME CORED ROCK  SYME CORED ROCK  FUSAL ≤ 2.5 cm ERRED ROCK LINE	OLS  INFERR ROCK L  HARD WEATHE ROCK (F  SOFT WEATHE ROCK (S)  OF PENETRA INDICATES IS SHOWN	ED 2 INE 2 I	MATER AUGER ROCK MATER DIFFIC SPT V	RIAL THE RESE MARIAL THE ULTY URIAL THE CULTY VALUES BLOWS	HAT CA EPT IN 3 TOOL HAT CA SING PO HAT CA USING > 100 IN SPT. CH AUC	DESC NNOT THIN S FOR N BE I DWER AL N BE I POWER BLOWS	DIVID RIPTI BE PE LEOGE OBTA PENETI JGERS PENETI AUGE S BUT	ED AS I	FOLLOWS:  ED BY PC REGUIRES SAMPLE VITH GRE LDS SPT I VITH SOM YIELOS REFUSAL  GER PENE	DWER S AT L REFUSAL	CALC CL. CLY. COB. CSE. DPT EST. F. FIAD FOSS FRAC FRAG GR. GS GW		CALCAREOUS CLAY CLAYEY COBBLE COARSE DYNAMIC PENETRATIO ESTIMA TED FINE FILLED IMMED. AFTER DF FOSSILIFEROUS FRACTURED FRAGMENT(S) GRAVEL SPECIFIC GRAV GROUND WATE	RILLING S	NS I ORG. P.P. I REF. I S. SAT. SD. SED(S). SL. SL. SPT TS. VST V.	NO SAMPLE ORGANIC POCKET PENETRON REFER TO RESIDUAL SOFT SATURATED SAND SANDY SEDIMENT(S) SILT, SILTY SLIGHTLY STANDARD PENETR TOPSOIL VANE SHEAF	TAKEN ETER ATION TEST
TERM  HARD ROCK (HR)  WEATHERED ROCK (WR)  1 SPT REF 2 AN INFE THE HAR A DESCR	SYME CORED ROCK  SYME CORED ROCK  FUSAL ≤ 2.5 cm ERRED ROCK LINE RD ROCK SYMBOL RIPTION OF ROCK	OLS  INFERR ROCK L  WEATHE ROCK (H  SOFT WEATHE ROCK (G)  OF PENETRA INDICATES IS SHOWN IS GIVEN, 1	RED IN RE	MATER AUGER ROCK MATER DIFFICE SPT V R 50 E EVEL 4 OCK IS	RIAL THE SECOND CORNEL THE CULTY UNITED LATER CALUES BLOWS AT WHI SECORE	HAT CAEPT IN G TOOL HAT CAUSING PO > 100	DESC NNOT THIN S FOR N BE I DWER AL N BE I POWER BLOWS	DIVID RIPTI BE PE LEDGE OBTA PENETH JGERS PENETH AUGE S BUT	ED AS I	ED BY PC REQUIRES SAMPLE VITH GRE LDS SPT I VITH SOM YIELDS REFUSAL GER PENE TH CORE	DWER S AT I REFUSAL	CALC CL. CCLY. COB. CSE. DPT EST. F. FIAD FOSS FRAG GR. GS GW MED.	· (S).	CALCAREOUS CLAY CLAYEY COBBLE COARSE DYNAMIC PENETRATIO ESTIMA TED FINE FILLED IMMED. AFTER DF FOSSILIFEROUS FRACTURED FRAGMENT(S) GRAVEL SPECIFIC GRAV GROUND WATE	RILLING S VITY R	NS	NO SAMPLE ORGANIC POCKET PENETRON REFER TO RESIDUAL SOFT SATURATED SAND SEDIMENT(S) SILT, SILTY SLIGHTLY STANDARD PENETR TOPSOIL VANE SHEAR VERY WITH	TAKEN ETER ATION TEST
TERM  HARD ROCK (HR)  WEATHERED ROCK (WR)  1 SPT REF 2 AN INFE THE HAR A DESCR	SYME CORED ROCK  SYME CORED ROCK  FUSAL ≤ 2.5 cm ERRED ROCK LINE RD ROCK SYMBOL RIPTION OF ROCK  SCOVERY (REC.) -	OLS  INFERR ROCK L  HARD WEATHE ROCK (F  SOFT WEATHE ROCK (S)  OF PENETRA INDICATES IS SHOWN IS GIVEN, 1	ED 2 INE 2 I	MATERAUGER ROCK MATER DIFFICE MATER COSPT V R 50 E EVEL 4 SOCK IS ROCK IS ROCK	RIAL THE COULTY UNITED BLOWS AT WHIES CORE	HAT CAEPT IN 3 TOOL HAT CAUSING POOL HAT CAUSING > 100 IN SPT. CH AUC D AND	DESC NNOT THIN S FOR N BE I DWER AL N BE I POWER BLOWS	DIVID RIPTI BE PE LEDGG OBTA PENETI JGERS PENETI OULD TO TH	ED AS I	ED BY PC REQUIRES SAMPLE VITH GRE LDS SPT I VITH SOM YIELDS REFUSAL GER PENE TH CORE	DWER S AT I REFUSAL	CALC CL. CCLY. COB. CSE. DPT EST. F. FIAD FOSS FRAG GR. GS GW MED.	(S).	CALCAREOUS CLAY CLAYEY CCAYEY COBBLE COARSE DYNAMIC PENETRATIO ESTIMATED FINE FILED IMMED. AFTER DF FOSSILIFEROUS FRACTURED FRAGMENT(S) GRAVEL SPECIFIC GRAV GROUND WATE MEDIUM	RILLING VITY R	NS	NO SAMPLE ORGANIC POCKET PENETRON REFER TO RESIDUAL SOFT SATURATED SAND SEDIMENT(S) SILT, SILTY SLIGHTLY STANDARD PENETR TOPSOIL VANE SHEAR VERY WITH	TAKEN ETER ATION TEST
TERM HARD ROCK (HR)  WEATHERED ROCK (WR)  1 SPT REF 2 AN INFE THE HAF A DESCR	SYME CORED ROCK  SYME CORED ROCK  FUSAL ≤ 2.5 cm ERRED ROCK LINE RD ROCK SYMBOL RIPTION OF ROCK ECOVERY (REC.) -	OLS  INFERR ROCK L  WEATHE ROCK (H  SOFT WEATHE ROCK (S)  OF PENETRA INDICATES IS SHOWN IS GIVEN, 1  TOTAL LENG BY THE TO	ED 2 INE 2 I	MATER AUGER ROCK MATER DIFFICE MATER OF V  R 50 E EVEL A SOUCH SOU	RIAL THE RESERVATION OF THE RECOVER	HAT CAE FET IN TOOL HAT CA SING PC HAT CA USING PC HAT CA HA	DESC DESC DESC NNOT THIN THIN S FOR N BE I N BE I POWER AL BLOWS ONLY	DIVID RIPTI BE PE LEDGE OBTA PENETI JGERS PENETI AUGE S BUT OULD TO TH CORE	ED AS I	ED BY PC REQUIRES SAMPLE VITH GRE LDS SPT I VITH SOM YIELDS REFUSAL GER PENE TH COREI DIVIDEC	DWER S AT I REFUSAL BETRATE. D.	CALC CL. CCLY. COB. CSE. DPT EST. F. FIAD FOSS FRAG GR. GS GW MED.	(S).	CALCAREOUS CLAY CLAYEY COBBLE COARSE DYNAMIC PENETRATIO ESTIMATED FINE FILLED IMMED. AFTER DF FRACTURED FRAGMENT(S) GRAVEL SPECIFIC GRAV GROUND WATE MEDIUM	RILLING VITY R	NS	NO SAMPLE ORGANIC POCKET PENETRON REFER TO RESIDUAL SOFT SATURATED SAND SEDIMENT(S) SILT, SILTY SLIGHTLY STANDARD PENETR TOPSOIL VANE SHEAR VERY WITH	TAKEN ETER ATION TEST
TERM HARD ROCK (HR)  WEATHERED ROCK (WR)  1 SPT REF 2 AN INFE THE HAF A DESCR	SYME CORED ROCK  SYME CORED ROCK  FUSAL ≤ 2.5 cm ERRED ROCK LINE RD ROCK SYMBOL RIPTION OF ROCK  SCOVERY (REC.) -	OLS  INFERR ROCK L  WEATHE ROCK (H  SOFT WEATHE ROCK (S)  OF PENETRA INDICATES IS SHOWN IS GIVEN, 1  TOTAL LENG BY THE TO	ED 2 INE 2 I	MATER AUGER ROCK MATER OFFICE MATER OFFI MATER O	RECOVIDE THE	HAT CA EFT IN TOOL HAT CA SING PC HAT CA USING PC HAT CA USING PC LOT AUC D AND ERED I CORE	S ARE  DESC  DESC  NNOT  THIN  S FOR  N BE II  N BE II  ONLY  N THE  RUN 1  ROCK S	DIVID  RIPTI BE PE  CORE  CORE	ED AS I	ED BY PC REQUIRES SAMPLE VITH GRE LDS SPT I VITH SOM YIELDS REFUSAL GER PENE TH COREI DIVIDEC	JWER S AT I REFUSAL JE ETRATE, D. THAT	CALC CL. CCLY. COB. CSE. DPT EST. F. FIAD FOSS FRAG GR. GS GW MED.	(S).	CALCAREOUS CLAY CLAYEY CCAYEY COBBLE COARSE DYNAMIC PENETRATIO ESTIMATED FINE FILED IMMED. AFTER DF FOSSILIFEROUS FRACTURED FRAGMENT(S) GRAVEL SPECIFIC GRAV GROUND WATE MEDIUM	RILLING VITY R	NS	NO SAMPLE ORGANIC POCKET PENETRON REFER TO RESIDUAL SOFT SATURATED SAND SEDIMENT(S) SILT, SILTY SLIGHTLY STANDARD PENETR TOPSOIL VANE SHEAR VERY WITH	TAKEN ETER ATION TEST
TERM HARD ROCK (HR)  WEATHERED ROCK (WR)  1 SPT REF 2 AN INFE THE HAF A DESCR	SYME CORED ROCK  SYME CORED ROCK  FUSAL ≤ 2.5 cm ERRED ROCK LINE RD ROCK SYMBOL RIPTION OF ROCK ECOVERY (REC.) -	OLS  INFERR ROCK L  HARD  HARD  WEATHER  ROCK (S)  OF PENETRA  INDICATES  IS SHOWN  IS GIVEN, IS  TOTAL LENG  BY THE TO  ON (ROD) -	ED 2 INE 2 I	MATER AUGER ROCK MATER DIFFICE SPT V  MATER DIFFICE	RIAL THE RESERVANCE OF THE RECOVER THE REC	TERIAL  HAT CA EPT IN 3 TOOL  HAT CA SING PC  HAT CA USING  N SPT.  CH AUC  D AND  ERED I CORE  CORE  COUND I	S ARE  DESC  NNOT  THIN S FOR N BE II POWER AI BLOWS  GERS C ONLY N THE RUN T ROCK S JAL TO	DIVID  RIPTI BE PE LEDGE OBTA PENETI JGERS PENETI AUGE S BUT  OULD TO TH  CORE IMES 6EGMEI  Ø.1 m	ED AS I	ED BY PORE REQUIRES SAMPLE WITH GRE LDS SPT IN THE LDS SPT IN THE LDS SET IN THE	JWER S AT I REFUSAL JE ETRATE, D. THAT	CALC CL. CLY. COB. CSE. DPT EST. F. FIAD FOSS FRAC GR. GS GW MED. BENCH		CALCAREOUS CLAY CLAYEY CCAYEY COBBLE COARSE DYNAMIC PENETRATIO ESTIMATED FINE FILED IMMED. AFTER DF FOSSILIFEROUS FRACTURED FRAGMENT(S) GRAVEL SPECIFIC GRAV GROUND WATE MEDIUM	RILLING VITY R	NS	NO SAMPLE ORGANIC POCKET PENETRON REFER TO RESIDUAL SOFT SATURATED SAND SEDIMENT(S) SILT, SILTY SLIGHTLY STANDARD PENETR TOPSOIL VANE SHEAR VERY WITH	TAKEN ETER ATION TEST
TERM HARD ROCK (HR)  WEATHERED ROCK (WR)  1 SPT REF 2 AN INFE THE HAF A DESCR	SYME CORED ROCK  SYME CORED ROCK  FUSAL ≤ 2.5 cm ERRED ROCK LINE RD ROCK SYMBOL RIPTION OF ROCK ECOVERY (REC.) -	OLS  INFERR ROCK L  HARD  HARD  WEATHER  ROCK (S)  OF PENETRA  INDICATES  IS SHOWN  IS GIVEN, IS  TOTAL LENG  BY THE TO  ON (ROD) -	ED 2 INE 2 I	MATER AUGER ROCK MATER DIFFICE SPT V  MATER DIFFICE	RIAL THE RESERVANCE OF THE RECOVER THE REC	TERIAL  HAT CA EPT IN 3 TOOL  HAT CA SING PC  HAT CA USING  N SPT.  CH AUC  D AND  ERED I CORE  CORE  COUND I	S ARE  DESC  NNOT  THIN S FOR N BE II POWER AI BLOWS  GERS C ONLY N THE RUN T ROCK S JAL TO	DIVID  RIPTI BE PE LEDGE OBTA PENETI JGERS PENETI AUGE S BUT  OULD TO TH  CORE IMES 6EGMEI  Ø.1 m	ED AS I	ED BY PORE REQUIRES SAMPLE WITH GRE LDS SPT IN THE LDS SPT IN THE LDS SET IN THE	JWER S AT I REFUSAL JE ETRATE, D. THAT	CALC CLY. COB. CSE. DPT EST. F. FIAD FOSS FRAC FRAG GR. GS GW MED.  BENCH	MARKs	CALCAREOUS CLAY CLAYEY COBBLE COARSE DYNAMIC PENETRATIO ESTIMATED FINE FILLED NAMED. AFTER DE FRACTURED FRACTURED FRACMENT(S) GRAVEL SPECIFIC GRAV GROUND WATE MEDIUM  BASELINE CAP 'BL ELEVATION = 99.8	VITY RR 1026*,	NS I ORG. (P.P. I REF. IF RES. IF S. SAT. SD. SEDY. SEDY. SEDY. SEDY. SEDY. SELI. SPT TS. VST V. W/	NO SAMPLE ORGANIC POCKET PENETRON REFER TO RESIDUAL SOFT SATURATED SAND SANDY SEDIMENT(S) SILT, SILTY SILGHTLY STANDARD PENETR TOPSOIL VANE SHEAR WITH	TAKEN ETER ATION TEST
TERM HARD ROCK (HR)  WEATHERED ROCK (WR)  1 SPT REF 2 AN INFE THE HAF A DESCR	SYME CORED ROCK  SYME CORED ROCK  FUSAL ≤ 2.5 cm ERRED ROCK LINE RD ROCK SYMBOL RIPTION OF ROCK ECOVERY (REC.) -	OLS  INFERR ROCK L  HARD  HARD  WEATHER  ROCK (S)  OF PENETRA  INDICATES  IS SHOWN  IS GIVEN, IS  TOTAL LENG  BY THE TO  ON (ROD) -	ED 2 INE 2 I	MATER AUGER ROCK MATER DIFFICE SPT V  MATER DIFFICE	RIAL THE RESERVANCE OF THE RECOVER THE REC	TERIAL  HAT CA EPT IN 3 TOOL  HAT CA SING PC  HAT CA USING  N SPT.  CH AUC  D AND  ERED I CORE  CORE  COUND I	S ARE  DESC  NNOT  THIN S FOR N BE II POWER AI BLOWS  GERS C ONLY N THE RUN T ROCK S JAL TO	DIVID  RIPTI BE PE LEDGE OBTA PENETI JGERS PENETI AUGE S BUT  OULD TO TH  CORE IMES 6EGMEI  Ø.1 m	ED AS I	ED BY PORE REQUIRES SAMPLE WITH GRE LDS SPT IN THE LDS SPT IN THE LDS SET IN THE	JWER S AT I REFUSAL JE ETRATE, D. THAT	CALC CLY. COB. CSE. DPT EST. F. FIAD FOSS FRAC FRAG GR. GS GW MED.  BENCH		CALCAREOUS CLAY CLAYEY COBBLE COARSE DYNAMIC PENETRATIO ESTIMATED FINE FILLED NAMED. AFTER DE FRACTURED FRACTURED FRACMENT(S) GRAVEL SPECIFIC GRAV GROUND WATE MEDIUM  BASELINE CAP 'BL ELEVATION = 99.8	VITY RR 1026*,	NS	NO SAMPLE ORGANIC POCKET PENETRON REFER TO RESIDUAL SOFT SATURATED SAND SANDY SEDIMENT(S) SILT, SILTY SILGHTLY STANDARD PENETR TOPSOIL VANE SHEAR WITH	TAKEN ETER ATION TEST
TERM HARD ROCK (HR)  WEATHERED ROCK (WR)  1 SPT REF 2 AN INFE THE HAF A DESCR	SYME CORED ROCK  SYME CORED ROCK  FUSAL ≤ 2.5 cm ERRED ROCK LINE RD ROCK SYMBOL RIPTION OF ROCK ECOVERY (REC.) -	OLS  INFERR ROCK L  HARD  HARD  WEATHER  ROCK (S)  OF PENETRA  INDICATES  IS SHOWN  IS GIVEN, IS  TOTAL LENG  BY THE TO  ON (ROD) -	ED 2 INE 2 I	MATER AUGER ROCK MATER DIFFICE SPT V  MATER DIFFICE	RIAL THE RESERVANCE OF THE RECOVER THE REC	TERIAL  HAT CA EPT IN 3 TOOL  HAT CA SING PC  HAT CA USING  N SPT.  CH AUC  D AND  ERED I CORE  CORE  COUND I	S ARE  DESC  NNOT  THIN S FOR N BE II POWER AI BLOWS  GERS C ONLY N THE RUN T ROCK S JAL TO	DIVID  RIPTI BE PE LEDGE OBTA PENETI JGERS PENETI AUGE S BUT  OULD TO TH  CORE IMES 6EGMEI  Ø.1 m	ED AS I	ED BY PORE REQUIRES SAMPLE WITH GRE LDS SPT IN THE LDS SPT IN THE LDS SET IN THE	JWER S AT I REFUSAL JE ETRATE, D. THAT	CALC CLY. COB. CSE. DPT EST. F. FIAD FOSS FRAG GR. GS GW MED.  BENCH	MARKs	CALCAREOUS CLAY CLAYEY COBBLE COARSE DYNAMIC PENETRATIO ESTIMA TED FILLED IMMED. AFTER DIF FOSSILIFEROUS FRACTURED FRAGMENT(S) GRAVEL SPECIFIC GRAV GROUND WATE MEDIUM  BASELINE CAP 'BL ELEVATION = 99.8	VITY :R 1026', 22m	NS I ORG. (P.P. I REF. IF RES. IF S. SAT. SD. SEDY. SEDY. SEDY. SEDY. SEDY. SELI. SPT TS. VST V. W/	NO SAMPLE ORGANIC POCKET PENETRON REFER TO RESIDUAL SOFT SATURATED SAND SANDY SEDIMENT(S) SILT, SILTY STANDARD PENETR TOPSOIL VANE SHEAF VERY WITH DN 9+70.982	TAKEN ETER ATION TEST
TERM HARD ROCK (HR)  WEATHERED ROCK (WR)  1 SPT REF 2 AN INFE THE HAF A DESCR CORE RE	SYME CORED ROCK  SYME CORED ROCK  FUSAL ≤ 2.5 cm ERRED ROCK LINE RD ROCK SYMBOL RIPTION OF ROCK ECOVERY (REC.) -	OLS  INFERR ROCK L  HARD  HARD  WEATHER  ROCK (S)  OF PENETRA  INDICATES  IS SHOWN  IS GIVEN, IS  TOTAL LENG  BY THE TO  ON (ROD) -	ED 2 INE 2 I	MATER AUGER ROCK MATER DIFFICE SPT V  MATER DIFFICE	RIAL THE RESERVANCE OF THE RECOVER THE REC	TERIAL  HAT CA EPT IN 3 TOOL  HAT CA SING PC  HAT CA USING  N SPT.  CH AUC  D AND  ERED I CORE  CORE  COUND I	S ARE  DESC  NNOT  THIN S FOR N BE II POWER AI BLOWS  GERS C ONLY N THE RUN T ROCK S JAL TO	DIVID  RIPTI BE PE LEDGE OBTA PENETI JGERS PENETI AUGE S BUT  OULD TO TH  CORE IMES 6EGMEI  Ø.1 m	ED AS I	ED BY PORE REQUIRES SAMPLE WITH GRE LDS SPT IN THE LDS SPT IN THE LDS SET IN THE	JWER S AT I REFUSAL JE ETRATE, D. THAT	CALC CL, CLY. COB. CSE. DPT EST. F. FIAD FOSS FRAC GR. GS MED.  BENCH  STATE T.I.P. NO COUNTY	MARK: PROJEC	CALCAREOUS CLAY CLAYEY CLAYEY COBBLE COARSE DYNAMIC PENETRATIO ESTIMATED FINE FILED IMMED. AFTER DF FOSSILIFEROUS FRACTURED FRAGMENT(S) GRAVEL SPECIFIC GRAV GROUND WATE MEDIUM  BASELINE CAP 'BL ELEVATION = 99.8  T NO. 8.T311002 552B	VITY FR 1026',	NS	NO SAMPLE ORGANIC POCKET PENETRON REFER TO RESIDUAL SOFT SATURATED SAND SEDIMENT(S) SILT, SILTY STANDARD PENETR VERY WITH ON 9+70.982  -1(9)  0 BYPASS	TAKEN  ETER  ATION TEST
TERM HARD ROCK (HR)  WEATHERED ROCK (WR)  1 SPT REF 2 AN INFE THE HAF A DESCR CORE RE	SYME CORED ROCK  SYME CORED ROCK  FUSAL ≤ 2.5 cm ERRED ROCK LINE RD ROCK SYMBOL RIPTION OF ROCK ECOVERY (REC.) -	OLS  INFERR ROCK L  HARD  HARD  WEATHER  ROCK (S)  OF PENETRA  INDICATES  IS SHOWN  IS GIVEN, IS  TOTAL LENG  BY THE TO  ON (ROD) -	ED 2 INE 2 I	MATER AUGER ROCK MATER DIFFICE SPT V  MATER DIFFICE	RIAL THE RESERVANCE OF THE RECOVER THE REC	TERIAL  HAT CA EPT IN 3 TOOL  HAT CA SING PC  HAT CA USING  N SPT.  CH AUC  D AND  ERED I CORE  CORE  COUND I	S ARE  DESC  NNOT  THIN S FOR N BE II POWER AI BLOWS  GERS C ONLY N THE RUN T ROCK S JAL TO	DIVID  RIPTI BE PE LEDGE OBTA PENETI JGERS PENETI AUGE S BUT  OULD TO TH  CORE IMES 6EGMEI  Ø.1 m	ED AS I	ED BY PORE REQUIRES SAMPLE WITH GRE LDS SPT IN THE LDS SPT IN THE LDS SET IN THE	JWER S AT I REFUSAL JE ETRATE, D. THAT	CALC CL, CLY. COB. CSE. DPT EST. F. FIAD FOSS FRAC GR. GS MED.  BENCH  STATE T.I.P. NO COUNTY	MARK: PROJEC	CALCAREOUS CLAY CLAYEY CLAYEY COBBLE COARSE DYNAMIC PENETRATIO ESTIMATED FINE FILED IMMED. AFTER DF FOSSILIFEROUS FRACTURED FRAGMENT(S) GRAVEL SPECIFIC GRAV GROUND WATE MEDIUM  BASELINE CAP 'BL ELEVATION = 99.8  T NO. 8.T311002 552B	VITY FR 1026*,	NS	NO SAMPLE ORGANIC POCKET PENETRON REFER TO RESIDUAL SOFT SATURATED SAND SEDIMENT(S) SILT, SILTY STANDARD PENETR VERY WITH ON 9+70.982  -1(9)  0 BYPASS	TAKEN  ETER  ATION TEST
TERM HARD ROCK (HR)  WEATHERED ROCK (WR)  1 SPT REF 2 AN INFE THE HAF A DESCR CORE RE	SYME CORED ROCK  SYME CORED ROCK  FUSAL ≤ 2.5 cm ERRED ROCK LINE RD ROCK SYMBOL RIPTION OF ROCK ECOVERY (REC.) -	OLS  INFERR ROCK L  WEATHE ROCK (F  SOFT WEATHER ROCK (F)  OF PENETRA INDICATES IS SHOWN IS GIVEN, 1  TOTAL LENC BY THE TO ON (ROD) -	ED 2 INE 2 I	MATER AUGER ROCK MATER DIFFICE SPT V R 50 E EVEL 4 GCK IS ROCK IS IGH CCK LENGTH	RIAL THE RESERVANCE OF THE RECOVER THE REC	TERIAL  HAT CA EPT IN 3 TOOL  HAT CA SING PC  HAT CA USING  N SPT.  CH AUC  D AND  ERED I CORE  CORE  COUND I	S ARE  DESC  DESC  THIN THIN S FOR N BE II POWER AI BLOWS  GERS C ONLY N THE RUN T ROCK S JAL TO	DIVID  RIPTI BE PE LEDGE OBTA PENETI JGERS PENETI AUGE S BUT  OULD TO TH  CORE IMES 6EGMEI  Ø.1 m	ED AS I	ED BY PORE REQUIRES SAMPLE WITH GRE LDS SPT IN THE LDS SPT IN THE LDS SET IN THE	JWER S AT I REFUSAL JE ETRATE, D. THAT	CALC CL, CLY. COB. CSE. DPT EST. F. FIAD FOSS FRAC GR. GS MED.  BENCH  STATE T.I.P. NO COUNTY	MARK: PROJEC	CALCAREOUS CLAY CLAYEY CLAYEY COBBLE COARSE DYNAMIC PENETRATIO ESTIMA TED FILLE IMMED. AFTER DIF FOSSILIFEROUS FRACTURED FRAGMENT(S) GRAVEL SPECIFIC GRAV GROUND WATE MEDIUM  BASELINE CAP 'BL ELEVATION = 99.8  T NO. 8.T311002 552B ISTON	1026',   1026',   100	NS	NO SAMPLE ORGANIC POCKET PENETRON REFER TO RESIDUAL SOFT SATURATED SAND SEDIMENT(S) SILT, SILTY STANDARD PENETR VERY WITH ON 9+70.982  -1(9)  0 BYPASS	TAKEN  ETER  ATION TEST
TERM HARD ROCK (HR)  WEATHERED ROCK (WR)  1 SPT REF 2 AN INFE THE HAF A DESCR CORE RE	SYME CORED ROCK  SYME CORED ROCK  FUSAL ≤ 2.5 cm ERRED ROCK LINE RD ROCK SYMBOL RIPTION OF ROCK ECOVERY (REC.) -	OLS  INFERR ROCK L  WEATHE ROCK (F  SOFT WEATHER ROCK (F)  OF PENETRA INDICATES IS SHOWN IS GIVEN, 1  TOTAL LENC BY THE TO ON (ROD) -	ED 2 INE 2 I	MATER AUGER ROCK MATER DIFFICE SPT V R 50 E EVEL 4 GCK IS ROCK IS IGH CCK LENGTH	RIAL THE RESERVANCE OF THE RECOVER THE REC	TERIAL  HAT CA EPT IN 3 TOOL  HAT CA SING PC  HAT CA USING  N SPT.  CH AUC  D AND  ERED I CORE  CORE  COUND I	S ARE  DESC  DESC  THIN THIN S FOR N BE II POWER AI BLOWS  GERS C ONLY N THE RUN T ROCK S JAL TO	DIVID  RIPTI BE PE LEDGE OBTA PENETI JGERS PENETI AUGE S BUT  OULD TO TH  CORE IMES 6EGMEI  Ø.1 m	ED AS I	ED BY PORE REQUIRES SAMPLE WITH GRE LDS SPT IN THE LDS SPT IN THE LDS SET IN THE	JWER S AT I REFUSAL JE ETRATE, D. THAT	CALC CL, CLY. COB. CSE. DPT EST. F. FIAD FOSS FRAC GR. GS MED.  BENCH  STATE T.I.P. NO COUNTY	MARK: PROJEC	CALCAREOUS CLAY CLAYEY CLAYEY COBBLE COARSE DYNAMIC PENETRATIO ESTIMATED FINE FILED IMMED. AFTER DF FOSSILIFEROUS FRACTURED FRAGMENT(S) GRAVEL SPECIFIC GRAV GROUND WATE MEDIUM  BASELINE CAP 'BL ELEVATION = 99.8  T NO. 8.T311002 552B	1026',   1026',   100	NS	NO SAMPLE ORGANIC POCKET PENETRON REFER TO RESIDUAL SOFT SATURATED SAND SEDIMENT(S) SILT, SILTY STANDARD PENETR VERY WITH ON 9+70.982  -1(9)  0 BYPASS	TAKEN  ETER  ATION TEST
TERM HARD ROCK (HR)  WEATHERED ROCK (WR)  1 SPT REF 2 AN INFE THE HAF A DESCR CORE RE	SYME CORED ROCK  SYME CORED ROCK  FUSAL ≤ 2.5 cm ERRED ROCK LINE RD ROCK SYMBOL RIPTION OF ROCK ECOVERY (REC.) -	OLS  INFERR ROCK L  WEATHE ROCK (F  SOFT WEATHER ROCK (F)  OF PENETRA INDICATES IS SHOWN IS GIVEN, 1  TOTAL LENC BY THE TO ON (ROD) -	ED 2 INE 2 I	MATER AUGER ROCK MATER DIFFICE SPT V R 50 E EVEL 4 GCK IS ROCK IS IGH CCK LENGTH	RIAL THE RESERVANCE OF THE RECOVER THE REC	TERIAL  HAT CA EPT IN 3 TOOL  HAT CA SING PC  HAT CA USING  N SPT.  CH AUC  D AND  ERED I CORE  CORE  COUND I	S ARE  DESC  DESC  THIN THIN S FOR N BE II POWER AI BLOWS  GERS C ONLY N THE RUN T ROCK S JAL TO	DIVID  RIPTI BE PE LEDGE OBTA PENETI JGERS PENETI AUGE S BUT  OULD TO TH  CORE IMES 6EGMEI  Ø.1 m	ED AS I	ED BY PORE REQUIRES SAMPLE WITH GRE LDS SPT IN THE LDS SPT IN THE LDS SET IN THE	JWER S AT I REFUSAL JE ETRATE, D. THAT	CALC CL, CLY. COB. CSE. DPT EST. F. FIAD FOSS FRAC GR. GS MED.  BENCH  STATE T.I.P. NO COUNTY SITE D	PROJEC  PROJEC  JOHN  ESCRIP	CALCAREOUS CLAY CLAYEY CLAYEY CLAYEY COBBLE COARSE DYNAMIC PENETRATIO ESTIMATED FINE FROSSILIFEROUS FRACTURED FRAGMENT(S) GRAVEL SPECIFIC GRAV GROUND WATE MEDIUM  BASELINE CAP 'BL ELEVATION = 99.8  T NO. 8.T311002 552B ISTON  TION NEW BRIDGE -L- (US 70 B	R 1026',  1026',  107 -Y	NS	NO SAMPLE ORGANIC POCKET PENETRON REFER TO RESIDUAL SOFT SATURATED SAND SEDIMENT(S) SILT, SILTY SLIGHTLY STANDARD PENETR VERY WITH ON 9+70.982	ATION TEST
TERM HARD ROCK (HR)  WEATHERED ROCK (WR)  1 SPT REF 2 AN INFE THE HAF A DESCR CORE RE	SYME CORED ROCK  SYME CORED ROCK  FUSAL ≤ 2.5 cm ERRED ROCK LINE RD ROCK SYMBOL RIPTION OF ROCK ECOVERY (REC.) -	OLS  INFERR ROCK L  WEATHE ROCK (F  SOFT WEATHER ROCK (F)  OF PENETRA INDICATES IS SHOWN IS GIVEN, 1  TOTAL LENC BY THE TO ON (ROD) -	ED 2 INE 2 I	MATER AUGER ROCK MATER DIFFICE SPT V R 50 E EVEL 4 GCK IS ROCK IS IGH CCK LENGTH	RIAL THE RESERVANCE OF THE RECOVER THE REC	TERIAL  HAT CA EPT IN 3 TOOL  HAT CA SING PC  HAT CA USING  N SPT.  CH AUC  D AND  ERED I CORE  CORE  COUND I	S ARE  DESC  DESC  THIN THIN S FOR N BE II POWER AI BLOWS  GERS C ONLY N THE RUN T ROCK S JAL TO	DIVID  RIPTI BE PE LEDGE OBTA PENETI JGERS PENETI AUGE S BUT  OULD TO TH  CORE IMES 6EGMEI  Ø.1 m	ED AS I	ED BY PORE REQUIRES SAMPLE WITH GRE LDS SPT IN THE LDS SPT IN THE LDS SET IN THE	JWER S AT I REFUSAL JE ETRATE, D. THAT	CALC CL, CLY. COB. CSE. DPT EST. F. FIAD FOSS FRAC GR. GS MED.  BENCH  STATE T.I.P. NO COUNTY SITE D	PROJEC  PROJEC  JOHN  ESCRIP	CALCAREOUS CLAY CLAYEY CLAYEY COBBLE COARSE DYNAMIC PENETRATIO ESTIMA TED FILLE IMMED. AFTER DIF FOSSILIFEROUS FRACTURED FRAGMENT(S) GRAVEL SPECIFIC GRAV GROUND WATE MEDIUM  BASELINE CAP 'BL ELEVATION = 99.8  T NO. 8.T311002 552B ISTON	R 1026',  1026',  107 -Y	NS	NO SAMPLE ORGANIC POCKET PENETRON REFER TO RESIDUAL SOFT SATURATED SAND SEDIMENT(S) SILT, SILTY SLIGHTLY STANDARD PENETR VERY WITH ON 9+70.982	ATION TEST
TERM HARD ROCK (HR)  WEATHERED ROCK (WR)  1 SPT REF 2 AN INFE THE HAF A DESCR CORE RE	SYME CORED ROCK  SYME CORED ROCK  FUSAL ≤ 2.5 cm ERRED ROCK LINE RD ROCK SYMBOL RIPTION OF ROCK ECOVERY (REC.) -	OLS  INFERR ROCK L  WEATHE ROCK (F  SOFT WEATHER ROCK (F)  OF PENETRA INDICATES IS SHOWN IS GIVEN, 1  TOTAL LENC BY THE TO ON (ROD) -	ED 2 INE 2 I	MATER AUGER ROCK MATER DIFFICE SPT V R 50 E EVEL 4 GCK IS ROCK IS IGH CCK LENGTH	RIAL THE RESERVANCE OF THE RECOVER THE REC	TERIAL  HAT CA EPT IN 3 TOOL  HAT CA SING PC  HAT CA USING  N SPT.  CH AUC  D AND  ERED I CORE  CORE  COUND I	S ARE  DESC  DESC  THIN THIN S FOR N BE II POWER AI BLOWS  GERS C ONLY N THE RUN T ROCK S JAL TO	DIVID  RIPTI BE PE LEDGE OBTA PENETI JGERS PENETI AUGE S BUT  OULD TO TH  CORE IMES 6EGMEI  Ø.1 m	ED AS I	ED BY PORE REQUIRES SAMPLE WITH GRE LDS SPT IN THE LDS SPT IN THE LDS SET IN THE	JWER S AT I REFUSAL JE ETRATE, D. THAT	CALC CLY. COB. CSE. DPT EST. F. FIAD FOSS FRAG GR. GS GW MED.  BENCH  STATE T.I.P. NO COUNTY SITE D	MARK:   PROJEC D. R-28 ( JOHN ESCRIP	CALCAREOUS CLAY CLAYEY CLAYEY COBBLE COARSE DYNAMIC PENETRATIO ESTIMA TED FILLE FILLE IMMED. AFTER DIF FOSSILIFEROUS FRACTURED FRAGMENT(S) GRAVEL SPECIFIC GRAV GROUND WATE MEDIUM  BASELINE CAP 'BL ELEVATION = 99.8  T NO. 8.T311002  552B  ISTON  TION NEW BRIDGE -L- (US 70 B  LOGIST S. P. BROV	INCLING  INC	NS	NO SAMPLE ORGANIC POCKET PENETRON REFER TO RESIDUAL SOFT SATURATED SAND SEDIMENT(S) SILT, SILTY SLIGHTLY STANDARD PENETR VERY WITH ON 9+70.982	ATION TEST
TERM HARD ROCK (HR)  WEATHERED ROCK (WR)  1 SPT REF 2 AN INFE THE HAF A DESCR CORE RE	SYME CORED ROCK  SYME CORED ROCK  FUSAL ≤ 2.5 cm ERRED ROCK LINE RD ROCK SYMBOL RIPTION OF ROCK ECOVERY (REC.) -	OLS  INFERR ROCK L  WEATHE ROCK (F  SOFT WEATHER ROCK (F)  OF PENETRA INDICATES IS SHOWN IS GIVEN, 1  TOTAL LENC BY THE TO ON (ROD) -	ED 2 INE 2 I	MATER AUGER ROCK MATER DIFFICE SPT V R 50 E EVEL 4 GCK IS ROCK IS IGH CCK LENGTH	RIAL THE RESERVANCE OF THE RECOVER THE REC	TERIAL  HAT CA EPT IN 3 TOOL  HAT CA SING PC  HAT CA USING  N SPT.  CH AUC  D AND  ERED I CORE  CORE  COUND I	S ARE  DESC  DESC  THIN THIN S FOR N BE II POWER AI BLOWS  GERS C ONLY N THE RUN T ROCK S JAL TO	DIVID  RIPTI BE PE LEDGE OBTA PENETI JGERS PENETI AUGE S BUT  OULD TO TH  CORE IMES 6EGMEI  Ø.1 m	ED AS I	ED BY PORE REQUIRES SAMPLE WITH GRE LDS SPT IN THE LDS SPT IN THE LDS SET IN THE	JWER S AT I REFUSAL JE ETRATE, D. THAT	CALC CLY. COB. CSE. DPT EST. F. FIAD FOSS FRAG GR. GS GW MED.  BENCH  STATE T.I.P. NO COUNTY SITE D	MARK:  PROJEC  D. R-29  JOHN  ESCRIP  CT GEOR	CALCAREOUS CLAY CLAYEY CLAYEY COBBLE COARSE DYNAMIC PENETRATIO ESTIMA TED FILLE FILLED IMMED. AFTER DIF FOSSILIFEROUS FRACTURED FRAGMENT(S) GRAVEL SPECIFIC GRAV GROUND WATE MEDIUM  BASELINE CAP 'BL ELEVATION = 99.8  T NO, 8.T311002  552B  ISTON  TION NEW BRIDGE -L- (US 70 E  LOGIST S. P. BROV C. CAMPBELL, S. W	INCOME TO THE STATE OF THE STAT	NS	NO SAMPLE ORGANIC POCKET PENETRON REFER TO RESIDUAL SOFT SATURATED SAND SEDIMENT(S) SILT, SILTY SLIGHTLY STANDARD PENETR VERY WITH ON 9+70.982	ATION TEST
TERM HARD ROCK (HR)  WEATHERED ROCK (WR)  1 SPT REF 2 AN INFE THE HAF A DESCR CORE RE	SYME CORED ROCK  SYME CORED ROCK  FUSAL ≤ 2.5 cm ERRED ROCK LINE RD ROCK SYMBOL RIPTION OF ROCK ECOVERY (REC.) -	OLS  INFERR ROCK L  WEATHE ROCK (F  SOFT WEATHER ROCK (F)  OF PENETRA INDICATES IS SHOWN IS GIVEN, 1  TOTAL LENC BY THE TO ON (ROD) -	ED 2 INE 2 I	MATER AUGER ROCK MATER DIFFICE SPT V R 50 E EVEL 4 GCK IS ROCK IS IGH CCK LENGTH	RIAL THE RESERVANCE OF THE RECOVER THE REC	TERIAL  HAT CA EPT IN 3 TOOL  HAT CA SING PC  HAT CA USING  N SPT.  CH AUC  D AND  ERED I CORE  CORE  COUND I	S ARE  DESC  DESC  THIN THIN S FOR N BE II POWER AI BLOWS  GERS C ONLY N THE RUN T ROCK S JAL TO	DIVID  RIPTI BE PE LEDGE OBTA PENETI JGERS PENETI AUGE S BUT  OULD TO TH  CORE IMES 6EGMEI  Ø.1 m	ED AS I	ED BY PORE REQUIRES SAMPLE WITH GRE LDS SPT IN THE LDS SPT IN THE LDS SET IN THE	JWER S AT I REFUSAL JE ETRATE, D. THAT	CALC CLY. COB. CSE. DPT EST. F. FIAD FOSS FRAG GR. GS GW MED.  BENCH  STATE T.I.P. NO COUNTY SITE D	MARK:  PROJEC  D. R-29  JOHN  ESCRIP  CT GEOR	CALCAREOUS CLAY CLAYEY CLAYEY COBBLE COARSE DYNAMIC PENETRATIO ESTIMA TED FILLE FILLE IMMED. AFTER DIF FOSSILIFEROUS FRACTURED FRAGMENT(S) GRAVEL SPECIFIC GRAV GROUND WATE MEDIUM  BASELINE CAP 'BL ELEVATION = 99.8  T NO. 8.T311002  552B  ISTON  TION NEW BRIDGE -L- (US 70 B  LOGIST S. P. BROV	INCOME TO THE STATE OF THE STAT	NS	NO SAMPLE ORGANIC POCKET PENETROW REFER TO REFER TO SAND SATURATED SAND SANDY SEDIMENT(S) SILT, SILTY STANDARD PENETR TOPSOIL VANE SHEAF WITH ON 9+70.982  -1(9)  0 BYPASS  D BY R.S. JOHN	TAKEN ETER  ATION TEST  TEST
TERM HARD ROCK (HR)  WEATHERED ROCK (WR)  1 SPT REF 2 AN INFE THE HAF A DESCR CORE RE ROCK OU	SYME CORED ROCK  SYME CORED ROCK  FUSAL ≤ 2.5 cm ERRED ROCK LINE RD ROCK SYMBOL RIPTION OF ROCK ECOVERY (REC.) -  JALITY DESIGNATI  SEA	OLS  INFERR ROCK L  WEATHER ROCK (F  SOFT WEATHER ROCK (F)  OF PENETRA INDICATES IS SHOWN IS GIVEN, I  TOTAL LENC BY THE TO ON (ROD) -	ED 2 INE 2 I	MATER AUGER ROCK MATER DIFFICE SPT V R 50 E EVEL 4 GCK IS ROCK IS IGH CCK LENGTH	RIAL THE RESERVANCE OF THE RECOVER THE REC	TERIAL  HAT CA EPT IN 3 TOOL  HAT CA SING PC  HAT CA USING  N SPT.  CH AUC  D AND  ERED I CORE  CORE  COUND I	S ARE  DESC  DESC  THIN THIN S FOR N BE II POWER AI BLOWS  GERS C ONLY N THE RUN T ROCK S JAL TO	DIVID  RIPTI BE PE LEDGE OBTA PENETI JGERS PENETI AUGE S BUT  OULD TO TH  CORE IMES 6EGMEI  Ø.1 m	ED AS I	ED BY PORE REQUIRES SAMPLE WITH GRE LDS SPT IN THE LDS SPT IN THE LDS SET IN THE	JWER S AT I REFUSAL JE ETRATE, D. THAT	CALC CLY. COB. CSE. DPT EST. F. FIAD FOSS FRAG GR. GS GW MED.  BENCH  STATE T.I.P. NO COUNTY SITE D	MARK:  PROJEC  D. R-25  JOHN  ESCRIP  CT GEOL  NNEL E.  B.	CALCAREOUS CLAY CLAYEY CLAYEY COBBLE COARSE DYNAMIC PENETRATIO ESTIMA TED FILLE FILLED IMMED. AFTER DIF FOSSILIFEROUS FRACTURED FRAGMENT(S) GRAVEL SPECIFIC GRAV GROUND WATE MEDIUM  BASELINE CAP 'BL ELEVATION = 99.8  T NO, 8.T311002  552B  ISTON  TION NEW BRIDGE -L- (US 70 E  LOGIST S. P. BROV C. CAMPBELL, S. W	INCOME TO THE PROPERTY OF T	NS	NO SAMPLE ORGANIC POCKET PENETRON REFER TO RESIDUAL SOFT SATURATED SAND SEDIMENT(S) SILT, SILTY SLIGHTLY STANDARD PENETR VERY WITH ON 9+70.982	TAKEN ETER  ATION TEST  TEST
TERM HARD ROCK (HR)  WEATHERED ROCK (WR)  1 SPT REF 2 AN INFE THE HAF A DESCR CORE RE ROCK OU	SYME CORED ROCK  SYME CORED ROCK  FUSAL ≤ 2.5 cm ERRED ROCK LINE RD ROCK SYMBOL RIPTION OF ROCK ECOVERY (REC.) -	OLS  INFERR ROCK L  WEATHER ROCK (F  SOFT WEATHER ROCK (F)  OF PENETRA INDICATES IS SHOWN IS GIVEN, I  TOTAL LENC BY THE TO ON (ROD) -	ED 2 INE 2 I	MATERAUGER ROCK MATER DIFFICION MATERIAL DIFFICION MATER	RIAL THE RESERVANCE OF THE RECOVER THE REC	TERIAL  HAT CA EPT IN 3 TOOL  HAT CA SING PC  HAT CA USING  N SPT.  CH AUC  D AND  ERED I CORE  CORE  COUND I	S ARE  DESC  DESC  THIN THIN S FOR N BE II POWER AI BLOWS  GERS C ONLY N THE RUN T ROCK S JAL TO	DIVID  RIPTI BE PE LEDGE OBTA PENETI JGERS PENETI AUGE S BUT  OULD TO TH  CORE IMES 6EGMEI  Ø.1 m	ED AS I	ED BY PORE REQUIRES SAMPLE WITH GRE LDS SPT IN THE LDS SPT IN THE LDS SET IN THE	JWER S AT I REFUSAL JE ETRATE, D. THAT	CALC CLY. COB. CSE. DPT EST. F. FIAD FOSS FRAG GR. GS GW MED.  BENCH  STATE T.I.P. NO COUNTY SITE D	MARK:  PROJEC  D. R-25  JOHN  ESCRIP  CT GEOL  NNEL E.  B.	CALCAREOUS CLAY CLAYEY CLAYEY COBBLE COARSE DYNAMIC PENETRATIO ESTIMA TED FINE FILLED IMMED. AFTER DIF FOSSILIFEROUS FRACTURED FRAGMENT(S) GRAVEL SPECIFIC GRAN GROUND WATE MEDIUM  BASELINE CAP 'BL ELEVATION = 99.8  T NO, 8.T311002  552B ISTON  TION NEW BRIDGE -L- (US 70 E  LOGIST S. P. BROW C. C. CAMPBELL, S. W. A. PARKS, J. L. LO	INCOME TO THE PROPERTY OF T	NS	NO SAMPLE ORGANIC POCKET PENETROW REFER TO REFER TO SAND SATURATED SAND SANDY SEDIMENT(S) SILT, SILTY STANDARD PENETR TOPSOIL VANE SHEAF WITH ON 9+70.982  -1(9)  0 BYPASS  D BY R.S. JOHN	TAKEN ETER  ATION TEST  TEST

## **CAUTION NOTICE**

THE SUBSURFACE INFORMATION AND THE SUBSURFACE INVESTIGATION ON WHICH IT IS BASED WAS 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 UNIT @ (919) 250-4088. NEITHER THE SUBSURFACE PLANS AND REPORTS, NOR THE FIELD BORING LOGS, ROCK CORES, OR SOIL TEST DATA IS 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.

- NOTE THE INFORMATION CONTAINED HEREIN IS NOT IMPLIED OR GUARANTEED BY THE N. C. DEPARTMENT OF TRANSPORTATION AS BEING ACCURATE NOR IT IS 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.