NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

'INFORMATION TO BUILD ON'
ENGINEERING, CONSULTING, TESTING

STRUCTURE SUBSURFACE INVESTIGATION

CONTRACT ID

0511723

PROJ REFERENCE NO. 50200.1.1 (R-5745)

	64/NC 18/NC 90 (WILKESBORO BLVD) AND US ((TAYLORSVILLE ROAD) SITE DESCRIPTION CULVERT EXTENSION	64/NC 90	
	ENTS		PERSONNEL UP ROGERS
<u>EET</u>	DESCRIPTION TITLE SHEET	-	
2A	LEGEND	JC	DE PARDUE
	SITE PLAN		
	BORE LOG		
	SAMPLE RESULTS		***
		NVESTICATED BY J.P.	ROGERS
		CHECKED BY J.S.	FARGHER II
		SUBMITTED BY J.S.	FARGHER II
		CIRCUIT IN A J.C.	

CAUTION NOTICE

THE SUBSURFACE INFORMATION AND THE SUBSURFACE INVESTIGATION ON WHICH IT IS BASED WERE MADE FOR THE PURPOSE OF PREPARING THE SCOPE OF WORK TO BE INCLUDED IN THE REQUEST FOR PROPOSAL.

SOIL AND ROCK BOUNDARIES WITHIN A BOREHOLE ARE BASED ON GEOTECHNICAL INTERPRETATION UNLESS ENCOUNTERED IN A SAMPLE, INTERPRETED BOUNDARIES MAY NOT NECESSARILY REFLECT ACTUAL SUBSURFACE CONDITIONS BETWEEN SAMPLED STRATA, AND BOREHOLE INFORMATION MAY NOT NECESSARILY REFLECT ACTUAL SUBSURFACE CONDITIONS BETWEEN BORINGS. THE LABORATORY SAMPLE DATA AND THE IN SITU UN-PLACED TEST DATA CAN BE RELIED ON ONLY TO THE DEGREE OF RELIBBLITY MIRERALT 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 MAY PARTER LEVELS OR SOIL MOISTURE CONDITIONS INCLUDING TEMPERATURES, PRECIPITATION, AND WIND, AS WELL AS OTHER NON-CLIMATIC FACTORS.

PSI DDES NOT WARRANT OR GUARANTEE THE SUFFICIENCY OR ACCURACY OF THE INVESTIGATION MADE, OR OPINION OF THE DEPARTMENT AS TO THE TYPE OF MATERIALS AND CONDITIONS TO BE ENCOUNTERED. THE BRDDER 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.

NOTE - THE INFORMATION CONTAINED HEREIN IS NOT IMPLIED OR GUARANTEED BY PSI 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.

PROJECT REFERENCE NO.	SHEET NO.
50200 (R-5745)	2

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

GEOTECHNICAL ENGINEERING UNIT

SOIL AND ROCK LEGEND, TERMS, SYMBOLS, AND ABBREVIATIONS

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	SOIL DESCRIPTION											GRADATION											
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THAT CAN I	E PENETRA PER FOOT	TED WI	TH A CO	TANDARI	S FLIG	DHT POM ETRATION	ER AUC	ER, AL	O VIELI	D LESS THAN	MASA, SOIL		POORLY CRACECO CAP-GRACED - INDICATES A MIXTURE OF UNIFORM PARTICLES OF TWO OR MORE SIZES.										
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AS MINERAL	OGICAL CO	POSITI	ON, ANGU	ARITY.	TAUC	TURE, PL	ASTICI	IY, ET	C. EXAM	PLE:	LIUNS SULT		THE MIGULARITY OR ROLADNESS OF SOIL GRAINS IS DESIGNATED BY THE TERMS MIGULAR, SUBROLADED, OR ROLADED.										
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	110-	Control of the last	THE RESERVE	OCCUPATION OF THE	0.4	The real Property lies		Section 2.	departments.	ATION			MINERAL DGICAL COMPOSITION MINERAL NAMES SUCH AS QUARTZ, FELDSPAR, MICA, TALC, KAQLIN, ETC. ARE USED IN DESCRIPTIONS										
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GROUP	A-1	A-3		A-2		A-4	A-5	A-1	B A-7	A-1, A-2	A-4, A-5						COM	11	BILITY				
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						Y OR										M	SCELL	NEO.	JS SYMBOL	.5			
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NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

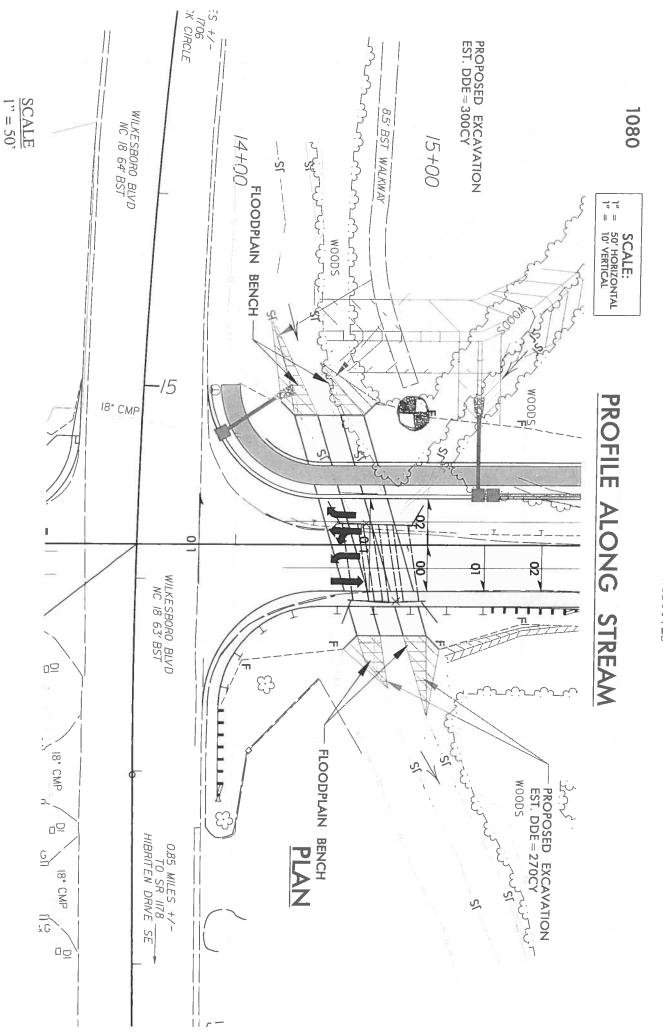
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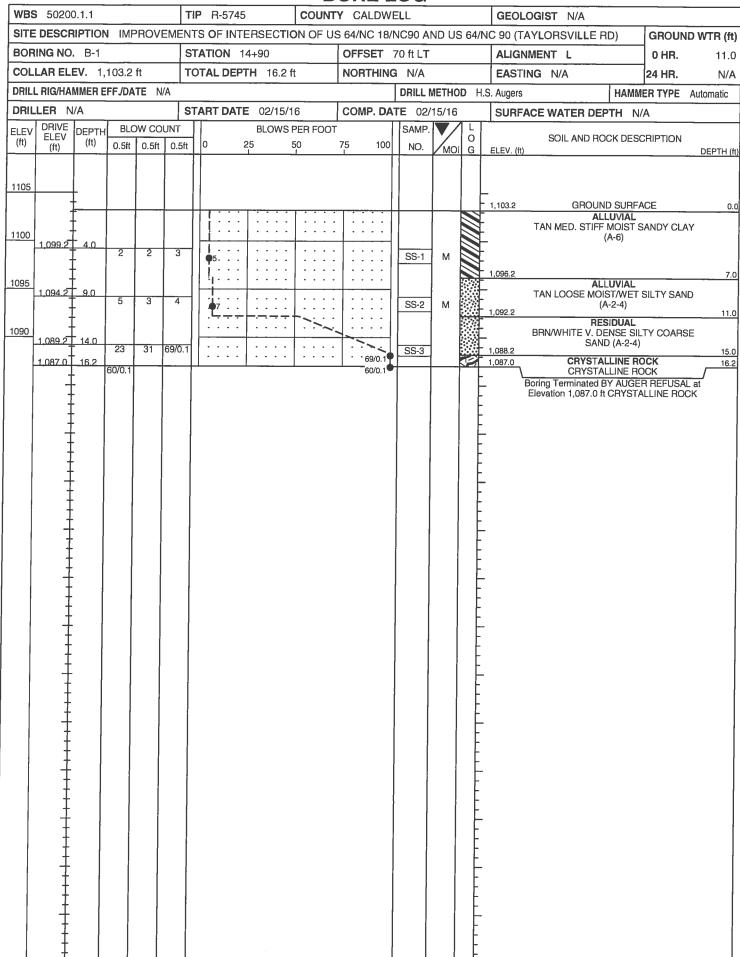
SOIL AND ROCK LEGEND, TERMS, SYMBOLS, AND ABBREVIATIONS

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ROCK HARDNESS YEAR MAD CLAVE STATCHED BY MAPE OF SHAPP PICK, SPEAKING OF NAVO SPECIFICAS REQUIRES SEVERAL MAD BLOVE OF INCECCASIONS SPICK. MAD CAR SE SCRATCHED BY MAPE OF DICK OUT WITH OFFICILITY, MAD NAMED BLOVE ROUND TO RETAIN MAD SECRET OF MAD SPECIFICAS REQUIRED TO RETAIN MAD SECRET PICK, OUGSES OF GROOMS TO BLOVE SEVERAL MAD BLOVE OF A COLORIST'S PICK, NAVO SPECIFICAS OF COLORIST'S PICK, NAVO SPECIFICAS REQUIRED BY MADE OF A COLORIST'S PICK, NAVO SPECIFICAS OF COLORIST'S PICK, NAVO SPEC							RESIDUAL GES. SOIL - SOIL FORMED IN PLACE BY THE WEATHERING OF ROCK.				
ROCK HARDNESS RETH MAD CAMED BE SCRATCHED BY MINITE OR SHAPP PICE, SERAMING OF NAME SPECIFIES REQUIRES SECURISED SEVENA, MADE QUARTER OF THE CORROSIST'S PICE. MAD CAME BE SCRATCHED BY MINITE OF PICK ONLY WITH OFFICILITY, NAME HAWARE BLOWS REQUIRED TO EXCHANGE DESTROYED BY MINITED BY MORE SCREEN, AND QUARTER CORPORATION OF MINITED BY MORE ARE CORPORATED BY MADE QUARTER CORPORATION OF MINITED BY MORE ARE CORPORATED BY MADE QUARTER CORPORATION OF MINITED BY MORE ARE CORPORATED BY MADE QUARTER CORPORATION OF MINITED BY MORE ARE CORPORATED BY MADE QUARTER CORPORATION OF MINITED BY MORE ARE CORPORATED BY MADE QUARTER CORPORATION OF MINISTRY OF MINISTRY CORPORATION OF MINISTRY CORPORATION OF MINISTRY OF MI				TIONS. DUARTZ I	MAY BE PRESENT AS DIXES	OR STRINGERS, SAPROLITE IS					
VERTY MAD CAME TO BE SCHAFFORD BY WHIFE OR SHAMP PICK, BREAKING OF HAND SPECIMENS REQUIRES SEVERAL HAND BLOWS OF THE CEXCLOSISTS PICK. MAD CAME SCHAFFORD BY WHIFE OR PICK, GOADS OR GROOVES TO BLTS INDEES GEEP CAM BE CHARAFTED BY HAND BLOWS PECIMENS. MIND CAME SCHAFFORD BY WHIFE OR PICK, GOADS OR GROOVES TO BLTS INDEES GEEP CAM BE CHARAFTED BY HAND BLOW OF A CEXCLOSISTS PICK, HAND SPECIMENS CAM BE DEFACED BY HAND BLOWS OF A CEXCLOSISTS PICK, HAND SPECIMENS CAM BE DEFACED BY HAND BLOWS OF BY HAND BLOWS OF THE PICK, HAND SPECIMENS CAM BE DEFACED BY HAND BLOWS OF THE PICK OF A PICK POINT, SMALL, THAN PICK CAME BY HAND BLOWS IN SIZE BY HAND BLOWS OF A PICK POINT, SMALL, THAN PICK CAME BY HAND BLOWS IN SIZE BY HODGEANTE BLOWS OF A PICK POINT, SMALL, THAN PICK CAME BY HAND BLOWS IN SIZE BY HODGEANTE BLOWS OF A PICK POINT, SMALL, THAN PICK CAME BY HAND BLOWS IN SIZE BY HODGEANTE BLOWS OF A PICK POINT, SMALL, THAN PICK CAME BY CHARGE BY THE PICK SHAPPENDEN BY PICK PRESSURE. YERY CAME CANNOD WITH HAMPE, CAME BE EXCHAFED REQUITY BY PICK PICK CAME BY PICK PRESSURE. FRACTURES SPACING IERN SPACING INDUSTRICT THAT RETAINS THE PROBLES COCK OF COURTS OF THE MARKEL THAT T			Financial FP1	ROCK	HAROMESS						
CAN BE STATICED BY WHITE OR PICK ORLY WITH DIFFICILITY, WHO WHOSER BLOWS REQUIRED TO DETACH HAND SPECIES. MODERATELY CAM BE SCRATCED BY WHITE OR PICK, COUGES OR GROOVES TO BURS HADES GEEP CAM BE EXCHANGED BY HAND GLOU OF A DECLOSIST'S PICK, WHO SPECIES CAM BE DETACLED BY HAND GLOU OF A DECLOSIST'S PICK, WHO SPECIES CAM BE DETACLED BY HAND GLOU OF A DECLOSIST'S PICK, WHO SPECIES CAM BE DETACLED BY HAND GLOU OF A DECLOSIST'S PICK, WHO SPECIES CAM BE DETACLED BY HAND GLOU OF A DECLOSIST'S PICK, WHO SPECIES CAM BE DECLOSED BY SHAPE OF SPECIES IN SHAPE OF SPECIES OF SPE	YERY HARD			D BY KNIFE OR	SHARP PICK, BREAKING OF	HAND SPECIMENS REQUIRES	SAPROLITE (SAP.) - RESIDUAL SOIL THAT RETAINS THE RELIC STRUCTURE OR FABRIC OF THE PARENT ROCK.				
MODERATELY CAME AS STANDED BY MIJE OR PICK, GOUGES OR GROW'S TO AZB INDES SEEP CAME BY MODERATE BY MAN BOLLOW OF DECLOSISTS PICK, IMMO SPECIALS CAME OF COLORS OF THE BY MODERATE BY MAN BOLLOWS OF THE BY MODERATE BY MAN BOLLOWS OF THE POINT OF A COLORISTS PICK. CAME AS CROWNED OR GOUGED AUS INCIDES CAME BY FIRM PRESSURE OF MIJET OR PICK POINT, SMALL, CHIPS TO PEICES I HICH MAXIMAM SIZE BY MODERATE BY MAN BOLD'S OF THE PROOF OF A COLORISTS PICK. SPET CAME BY CRAMINED IN SHALL CHIPS TO PEICES I HICH MAXIMAM SIZE BY MODERATE BY MAN BOLD'S OF THE PROOF OF A COLORISTS PICK. SPET CAME BY CRAMINED BY SHALL CHIPS TO PEICES OF A PICK POINT, SMALL, THIN PROOF TO SEVERAL HOCKS IN SIZE BY MODERATE BY MOD	HARO	CAN BE	SCRATCHED BY	r KNIFE OR PIC		NARO HAMMER BLOWS REQUIRED	RELATIVELY THIN COMPARED WITH ITS LATERAL EXTENT, THAT HAS BEEN EMPLACED PARALLEL				
MEDIUM CAN BE GROVED OR COLICED BASE BICHES DEEP BY FIRM PRESURE OF INDIFE OR PICK POINT. HARD CAN BE EXCHAPTED IN SMALL CHIPS TO PEICES I BICH MAXIMUM SIZE BY HARD BLOWS OF THE POINT OF A GEOLOGISTS PICK. SOFT CAN BE GROVED OR COLICED READLY BY HOME OR PICK. SOFT CAN BE GROVED OR COLICED READLY BY HOME OR PICK. SOFT CAN BE GROVED OR COLICED READLY BY HOME OR PICK. FROM CHIPS TO SEVENAL BLOES IN SIZE BY HOMERATE BLOWS OR PICK POINT. SMALL, THIN SOFT OR NOW IN THOLER PRESSURE. FROM SECONYD WITH HIGHE, CAN BE EXCHAPED READLY WITH POINT OF PICK, PIECES I MON FROM SECONYD WITH HIGHE, CAN BE BROWN BY FIREE PRESSURE. CAN BE SCHAPLED READLY BY THOLER PRESSURE. FROM SECONYD WITH HIGHER. FRACTURE SPACING IERM INICENSIAL UNION TO PICK, HORSENED OF PICK, THE PRESSURE OF PICK OWN THE PICK PRESSURE OF PICK OWN TO PICK PICK THOUGH BY TOTAL LENGTH TOTAL LENGTH OF STRAIN AND EXPRESSED AS A PRECENTAGE. STRAIN ROC QUALITY DESIGNATION CONTROL OF PICK OWN TO PICK PICK THOUGH BY TOTAL LENGTH TOTAL LENGTH OF STRAIN AND EXPRESSED AS A PRECENTAGE. INDUMATED INDUMATED	MODERATELY HARD	EXCAVA	TEO BY HARD (SLICKENSIDE - POLISIED AND STRIATED SURFACE THAT RESULTS FROM FRICTION ALONG A FAULT OR				
DAY BE EXCHANGED IN SMALL CHIPS TO PEICES I INCH MAXIMAN SIZE BY MADO BLOWS OF THE POINT OF A CELLOGISTS PICK. SOFT CAN BE CROVED OR COUCED READILY BY INITIFE OR PICK, CAM BE EXCHARGED IN FRACMENTS FROM CHIPS TO SEVERAL INDESS IN SIZE BY MODERATE BLOWS OF A PICK POINT, SMALL, THIN PICKES CAM BE BROWNER BY FINDER PRESSURE. VERY CAM BE CRAYED WITH KNIFE. CAM BE EXCHARGED READILY WITH POINT OF PICK, PICKES I INCH OR MORE IN THICKNESS CAM BE BROWNER BY FINDER PRESSURE. CAM BE SCHARCED READILY BY FINDER PRESSURE. FRACTURE SPACING IEBM SPACING IEBM SPACING IEBM SPACING IEBM SPACING IEBM VERY MICE MORE THAN 18 FEET THICKLY BEDOED LS 4 FEET THICKLY BEDOED AS 16 FEET THICKLY BEDOED AS 16 FEET THICKLY BEDOED AS 16 FEET THICKLY BEDOED AS 18 FEET THICKLY BEDOED AS 18 FEET THICKLY LAMINATED LOSS CAME BE STANDARD TO SERVE AND FEET THICKLY LAMINATED CAME OF THICKLY LAMINATED		BY MODE	ERATE BLOWS.								
CAM BE CROVED OR GOUGED READLY BY MORE OF PICK. CAM BE EXCAVATED IN FRACENTS FROM CHIPS TO SEVERAL INDEES IN SIZE BY MODERATE BLOWS OF A PICK POINT, SMALL, THIN PRICES CAM BE BROKEN BY FROM PRESSURE. VERY CAM BE CARVED WITH KNIFE. CAM BE EXCAVATED READLY WITH POINT OF PICK, PIECES I INDI- SOFT OR MORE IN THICKNESS CAM BE BROKEN BY FINGER PRESSURE, CAM BE SCHATCHED READLY BY FINGERVALL. FRACTURE SPACING IERM SPACING WERY WIDE MORE THAN 19 FEET WIDE 3 TO 19 FEET CLOSE B. 61 TO 1 FEET WITHOUT VERDOED B. 64 - 1.5 FEET WIRE VERY THAILY VERDOED B. 66 - 1.5 FEET WIRE VERY THAILY VERDOED B. 66 - 1.5 FEET CLOSE B. 61 TO 1 FEET WIRE THAIL Y LAMINATED R SEDIMENTATY ROCKS, INDURATION IS THE HANDERING OF FRAME WITH STEEL PROBE; BROKEN SAFE OFFICIAL TO BREAK WITH HAMBER, HODERATELY INDURATED GRADS ARE DIFFICULT TO SEPARATE WITH STEEL PROBE; DIFFICULT TO BREAK WITH HAMBER, GRADS ARE DIFFICULT TO SEPARATE WITH STEEL PROBE; DIFFICULT TO BREAK WITH HAMBER,	MEDIUM HARO	CAN BE	EXCAVATED IN	SHALL CHIPS			A 148 LB. HAMMER FALLING 38 INCHES REQUIRED TO PRODUCE A PENETRATION OF 1 FOOT INTO SOIL WITH A 2 INCH OUTSIDE DIAMETER SPLIT SPOON SAMPLER, SPT REFUSAL IS PENETRATION EQUAL TO OR LESS				
VERY CAN BE CARRED WITH MORE. CAN BE EXCAVATED READILY WITH POINT OF PICK, PIECES I INCH SOFT OR NOWE IN THICKNESS CAN BE BROKEN BY FINGER PRESSURE, CAN BE SCRATCHED READILY BE SCRATCHED READILY BY FINGER PRESSURE, CAN BE SCRATCHED BY FINGER PRES	SOFT	FROM C	HIPS TO SEVER	ML INCHES IN	SIZE BY MODERATE BLOWS I	EXEAYATED IN FRACMENTS OF A PICK POINT, SMALL, THIN	STRATA CORE RECOVERY ISRECUI- TOTAL LENGTH OF STRATA MATERIAL RECOVERED DIVIDED BY TOTAL LENGTH				
FRACTURE SPACING TERM SPACING VERY WIDE MORE THAN 10 FEET THICKLY BEDGED > 4 FEET THICKLY BEDGED 1.5 - 4 FEET THICKLY ADMINISTED 1.5 - 4 FEET THICKLY ADMINI		CAN BE	CARVED WITH	IONIFE. CAN BE	EXCAVATED READILY WITH F	OINT OF PICK, PIECES 1 INCH	STRATA ROCK QUALITY DESIGNATION (SROD) - A MEASURE OF ROCK QUALITY DESCRIBED BY TOTAL LENGTH OF ROCK SECHENTS WITHIN A STRATUM EDUM, TO OR GREATER THAN 4 INCHES DIVIDED BY TH				
TERM SPACING I FRET WATER THOOLY BEODED 3 4 FEET WERY THOOLY BEODED 1.5 - 4 FEET WIDE 3 TO 10 FEET THOOLY BEODED 1.5 - 4 FEET WIDE A TO 3 FEET WERY THOOLY BEODED 1.5 - 4 FEET WERY THOOLY BEO		FINGERN	AL.		D. 11 10-062411						
VERY VIDE MORE THAN 19 FEET VERY THICALY BEODED 3 4 FEET VERY THICALY BEODED LS - 4 FEET VERY CLOSE 1 TO 3 FEET VERY THANK BEODED LS - 4 FEET VERY BEODED LS - 4 F	FR	ACTUR	E SPACIN	6			INPANEL CESE - SUPPACE SUILS USUALLY CONTAINING DROWNIC MATTER.				
WIDE 3 TO 19 FEET THICKLY GEDOED L.5 - 4 FEET MODERATELY CLOSE 0.16 TO 1 FEET THICKLY GEDOED R.16 - 1.8 FEET THICKLY LAMINATED R.800 - 0.83 FEET THICKLY LAMINATED R.800 - 0.83 FEET THICKLY LAMINATED R.800 FE						A CONTRACTOR OF THE PARTY OF TH	BENCH MARK:				
MODERATELY CLOSE CLOSE					THICKLY BEDDED	1.5 - 4 FEET					
VERY CLOSE LESS THAM G.IS FEET THICKLY LAMINATED C. G.OBS FEET THICKLY LAMINATED C. G.OBS FEET THICKLY LAMINATED C. G.OBS FEET NOTES:	MODERATEL	Y CLOSE	I TO 3 FE	ET			ELEVATIONS FT.				
THIRLY EMPIRATION INDURATION R SEDIMENTARY ROCKS, IMBURATION IS THE MADERIAL BY CEMENTING, HEAT, PRESSURE, ETC. FRIABLE RUBBING WITH FINGER FREES INJURIOUS GRAINS, CENTLE BLOW BY MADER DISINTEGRATES SAMPLE. MODERATELY IMBURATED GRAINS CAN BE SEPARATED FROM SAMPLE WITH STEEL PROBE; BREAKS EASILY WHEN HIT WITH HAMMER, BROURATED GRAINS ARE DIFFICULT TO SEPARATE WITH STEEL PROBE; OFFICILL TO BREAK WITH HAMMER,		ε			THICKLY LAMINATED	8.888 - 8.83 FEET	NOTES:				
R SEDIMENTARY ROCKS, INDURATION IS THE MADDRING OF THE MATERIAL, BY CEMENTING, HEAT, PRESSURE, ETC. FRIABLE RUBBING WITH FINGER PREES NUMEROUS GRADIES, GENTLE BLOW BY MADER DISINTEGRATES SAMPLE. MODERATELY INDURATED GRADIS CAN BE SEPARATED FROM SAMPLE WITH STEEL PROBE; BREAKS EASILY WHEN HIT WITH HAMMER. BROURATED GRADIS ARE DIFFICULT TO SEPARATE WITH STEEL PROBE; DIFFICULT TO BREAK WITH HAMMER.					CHECKEN CHECKERS IN	C GLOUG FEET					
FRIABLE RUBBING WITH FINGER FREES NUMEROUS GRAINS! GENTLE BLOW BY HAVOER DISINTEGRATES SAMPLE. MODERATELY INDURATED GRAINS CAN BE SEPARATED FROM SAMPLE WITH STEEL PROBE! BREAKS EASILY WHEN HIT WITH HAMMER. BROURATED GRAINS ARE DIFFICULT TO SEARRATE WITH STEEL PROBE! DIFFICULT TO BREAK WITH HAMMER.	R SENIMENTA	RY ROCKS	L DECEMBER OF	- Mandalina	hannes Addition to the same	MENTING, MEAT, DOCCOLOR ETP					
MODERATELY IMDURATED GRAINS CAN BE SEPARATED FROM SAMPLE WITH STEEL PROBE: BROWN EASILY WHEN HIT WITH HAMMER. BROWNATED GRADES ARE DIFFICULT TO SEPARATE WITH STEEL PROBE: OFFICULT TO BREAK WITH HAMMER.	FRIARIE RUBBING WITH FRIGER FREES NUMEROUS GRAINS										
MOURATED GRADES ARE DIFFICULT TO SEPARATE WITH STEEL, PROBES DIFFICULT TO BREAK WITH HAMMER,	HOOS	RATELY	INDURATED	GRAINS C	AN BE SEPARATED FROM SA	MPLE WITH STEEL PROBE:					
	POU	RATED		GRADIS A	RE DIFFICULT TO SEPARATE						
SAMPLE BREAKS ACROSS GRAINS.	EXTR	EMELY IN	DURATED	SHARP H	HOER BLOWS REQUIRED TO	BREAK SAMPLE					

50200.1.1 (R-5745) CALDWELL COUNTY CULVERT EXTENSION PSI CONTRACT #0511723



GEOTECHNICAL BORING REPORT BORE LOG



DOT.GDT 3/14/16

SINGLE R5745.GPJ NC_

BORE :

NCDOT

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION CONSULTING SOILS LABORATORY QC/QA PROGRAM ANNUAL ROUND ROBIN TESTS

COMPANY NAME AND	CERTIFICA	ATION NO.	•									
Project No.	511723											
Date Received 2/26/16		Date Reported 3/9/2016										
Tested By	J. Olsen	-										
	118-0											
		-		-								
		TE	ST RESU	LTS								
Proj. Sample No.												
Lab. Sample No.		B-1 SS-1	B-1 SS-2	B-1 SS-3								
Retained #4 Sieve	%	0	1	6								
Passing #10 Sieve	%	100	97	92								
Passing #40 Sieve	%	94	70	67								
Passing #200 Sieve	%	52	21	16								
		MINUS	NO. 10 FR.	ACTION								
SOIL MORTAR - 100%												
Coarse Sand Ret - #60	%	16.2	47.2	48.9								
Fine Sand Ret - #270	%	34.9	34.2	37.9								
Silt 0.05 - 0.005 mm	%	5.2	10.0	7.3								
Clay < 0.005 mm	%	42.5	9.8	4.5								
Passing #40 Sieve	%	94.2	72.3	73.1								
Passing #200 Sieve	%	52.5	22.5	12.3								
L. L.		40	32	25								
P. I.		22	NP	NP								
AASHTO Classification	A-6 (8)	A-2-4 (0)	A-2-4 (0)									
				8								