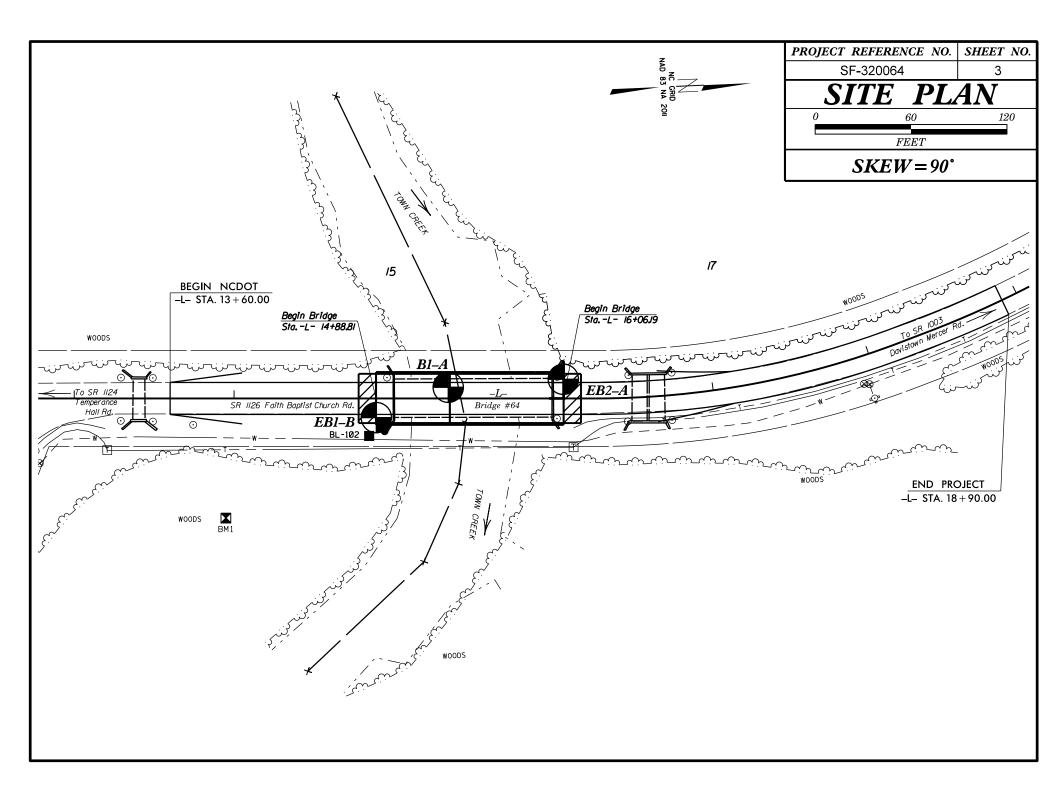


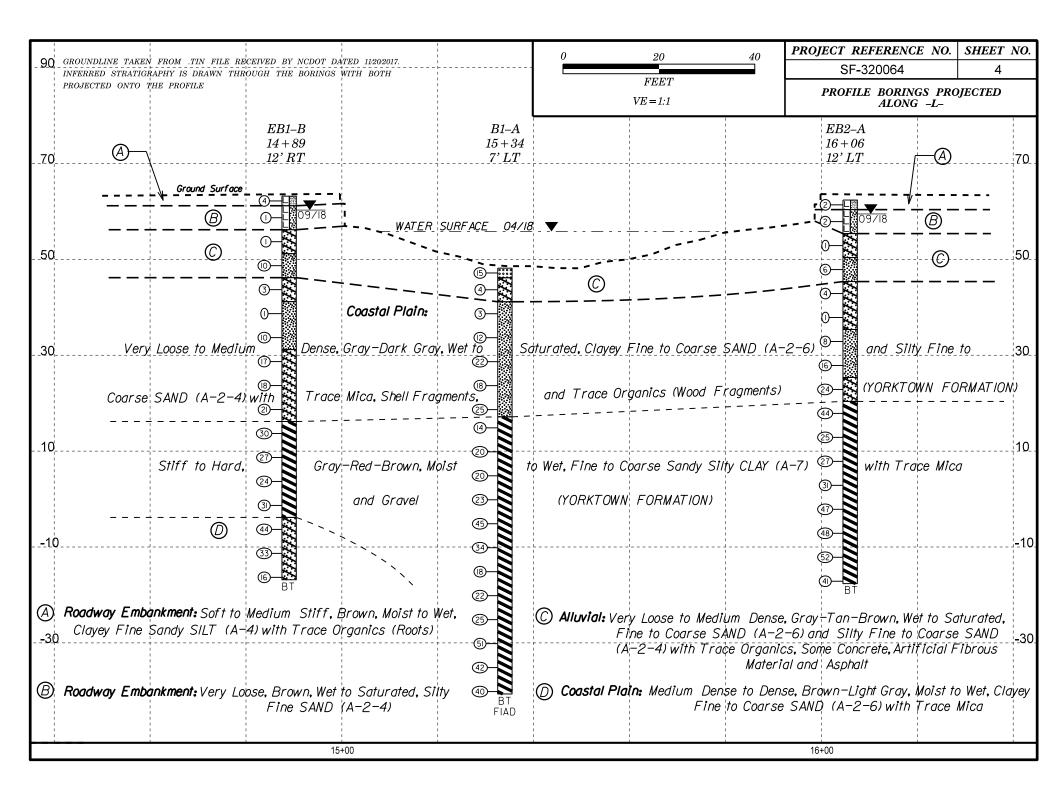
SF-320064 **REFERENCE:**

0 7RP

<form> SF-320064 S</form>			PROJECT REPERENCE NO.	SHEET NO.	
			SF-320064	2	
<section-header></section-header>	NORT				
<section-header></section-header>					
<section-header></section-header>	GEO	DTECHNICAL E	NGINEERING UNIT		
<section-header></section-header>					
UPPERE 1 OF 2 // DEPARTION DEPARTION DEPARTMENT 00 III CONTRACT AND THE ALCORD IN THE A	SUBS	SURFACE I	INVESTIGATION		
UPPERE 1 OF 2 // DEPARTION DEPARTION DEPARTMENT 00 III CONTRACT AND THE ALCORD IN THE A					
	SOIL AND			5	
			101 2)		
Address of the field integer inte	SOIL IS CONSIDERED UNCONSOLIDATED, SEMI-CONSO	OLIDATED, OR WEATHERED EARTH MATERIALS THAT CAN	WELL GRADED - INDICATES A GOOD REPRESENTATION OF PARTICLE SIZES		
Particle Direction Action Control Contrelecting contend control Control Control Control Control Contro	ACCORDING TO THE STANDARD PENETRATION TEST IS BASED ON THE AASHTO SYSTEM. BASIC DE	T (AASHTO T 206, ASTM D1586). SOIL CLASSIFICATION	GAP-GRADED - INDICATES A MIXTURE OF UNIFORM PARTICLE SIZES OF TW		
SOL LECEND AND AND ADDITION Columna DATA In 24 an MINING Station Mining Statio	AS MINERALOGICAL COMPOSITION, ANGULARI	TY, STRUCTURE, PLASTICITY, ETC. FOR EXAMPLE,	THE ANGULARITY OR ROUNDNESS OF SOIL GRAINS IS DESIGNATED	BY THE TERMS:	
NAME Is 28 Manual Yale Is 28 Manual Yale Open Charling Market Schell Market Sc	SOIL LEGEND AND A	ASHTO CLASSIFICATION			
Dist Term to Description Dist Dist <thdist< th=""> <thdist< th=""> Dist</thdist<></thdist<>	CLASS. (≤ 35% PASSING 200)	(> 35% PASSING #200) URGANIC MATERIALS	MINERAL NAMES SUCH AS QUARTZ, FELDSPAR, MICA, TALC, KAOLI		
NUMBER	CLASS. A-1-a A-1-b A-2-4 A-2-5 A-2-6 A-2-7		COMPRESSIBILITY		
Number of the rest			MODERATELY COMPRESSIBLE LL = 31	- 50	
Tool In rel plan	*10 50 MX	GRANULAR CLAY MULK,	PERCENTAGE OF MATERIAL	-	
Minister of the set o	*200 15 MX 25 MX 10 MX 35 MX 35 MX 35 MX 35 MX				
Image: Note of the set of the se	PASSING *40		LITTLE ORGANIC MATTER 3 - 5% 5 - 12% LITTLE MODERATELY ORGANIC 5 - 10% 12 - 20% SOME	E 10 - 20% 20 - 35%	
Singer Heads Singer	PI 6 MX NP 10 MX 10 MX 11 MN 11 MN	10 MX 10 MX 11 MN 11 MN MODERATE HIGHLY 8 MX 12 MX 16 MX N0 MX AMODERATE ORGANIC		Y 35% AND ABOVE	
NUMBER SNO UNITE Data Data <thdata< th=""> Data Data <t< td=""><td>USUAL TYPES STONE FRAGS. FINE SILTY OR CLAYEY</td><td>ORGANIC</td><td></td><td>R DRILLING</td></t<></thdata<>	USUAL TYPES STONE FRAGS. FINE SILTY OR CLAYEY	ORGANIC		R DRILLING	
Bit is in the construction of the construction is in the construction of the construction is in the construction i	MATERIALS SAND SAND GRAVEL AND SAND				
To the syntax product is not any not provide is not provide it not p	AS SUBGRADE	POOR POUR POOR POUR UNSUITABL		ARING STRATA	
PRIMARY SOL TYPE COMPACE NASL V CONSIDERCY PREEMAILY WALL COMPACE NOT CONSTRUCT COMPACE NOT CONSTRUCT COMPACE NOT CONSTRUCT SUPE NOT CONSTRUCT SUP NOT CONSTRUCT <t< td=""><td></td><td></td><td>, end and end of the second se</td><td></td></t<>			, end and end of the second se		
CENERALLY GRANULAR MATERIAL MON-CORESIVE VERY LOOSE (EXALATION MEDIANS SINCE MALEAD (1000/2017) Image and since core since (EXALATION MEDIANS SINCE Soft (EXALATION MEDIANS SINCE Soft (EXALATION MEDIANS (EXALATION MEDIANS SINCE) Soft (EXALATION MEDIANS (EXALATION MEDIANS SINCE) Soft (EXALATION MEDIANS (EXALATION MEDIANS (EXALATION MEDIANS SINCE) Soft (EXALATION MEDIANS (EXALATION MEDIANS (EXALATION MEDIANS (EXALATION MEDIANS SINCE) Soft (EXALATION		PENETRATION RESISTENCE COMPRESSIVE STRENGTH			
MATERIAL INDECRETION MEDIA DENSE VENT DENSE 18 TO 38 TO 38 TO 30 N/A Image: Control of the set o	GENERALLY VERY LOOSE	< 4			
Construction VERY Density > 580 Construction VERY Density > 580 Construction Construp in the life Construction	GRANULAR LUUSE MATERIAL MEDIUM DENSE DENSE	10 TO 30 N/A	ARTIFICIAL FILL (AF) OTHER AUGER BORING	CONE PENETROMETER	
GERMALLY MATERIAL (CHESUP) OPTIME THE STIPF 2 TO 4 4 TO 8 8 TO 15 15 TO 38 4 25 TO 8.5 10 D 110 2 THE FREE RED ROCK LINE 10 D 10 D MONITORING VELL (CHESUP) THE TRONK (CHESUP) (CHESUP) <th t<="" td=""><td>(NUN-COHESIVE) VERY DENSE</td><td>> 50</td><td></td><td></td></th>	<td>(NUN-COHESIVE) VERY DENSE</td> <td>> 50</td> <td></td> <td></td>	(NUN-COHESIVE) VERY DENSE	> 50		
Marce (coresive) STIFF (arred) 8 To 15 (sold) 1 To 2 (sold) Core Piezoetter (nstratation)	GENERALLY SOFT	2 TO 4 0.25 TO 0.5		TEST BORING	
Image Image <th< td=""><td>(COHESIVE) VERY STIFF</td><td>15 TO 30 2 TO 4</td><td></td><td></td></th<>	(COHESIVE) VERY STIFF	15 TO 30 2 TO 4			
OPENING (MM) OLDE 4,76 2,30 8,42 0.25 0.875 0.805 B0DLCER COBALE GRAVEL COARSE FINE SLID CLA Value Value CLA					
BOULDOW COBBLE (COB) Cobble (CL) Classing (CL) Classing (CL) <thclassing (CL) Classing (CL) <t< td=""><td></td><td></td><td>ACCEF</td><td>PTABLE, BUT NOT TO BE</td></t<></thclassing 			ACCEF	PTABLE, BUT NOT TO BE	
Itel (A) (CUB) (CRA) (CSE. SD.) (F SD.) (CL.) ABBRE VIATIONS GRAIN MM 305 75 2.0 0.25 0.05 0.005 </td <td>BOULDER COBBLE GRAVEL</td> <td>COARSE FINE SILT CLAY</td> <td>SHALLOW UNCLASSIFIED EXCAVATION - USED</td> <td>IN THE TOP 3 FEET OF</td>	BOULDER COBBLE GRAVEL	COARSE FINE SILT CLAY	SHALLOW UNCLASSIFIED EXCAVATION - USED	IN THE TOP 3 FEET OF	
SIZE IN. 12 3 WEA WEATHERED WEA WEATHERED SOIL MOISTURE - CORRELATION OF TERMS CL CLAY MOD MODERATELY - WEICH SOIL MOISTURE FIELD MOISTURE GUIDE FOR FIELD MOISTURE DESCRIPTION ORG ORGANIC ORGANIC SOIL MOISTURE SCALE FIELD MOISTURE GUIDE FOR FIELD MOISTURE DESCRIPTION ORG ORGANIC ORGANIC USUALLY LIQUID; VERY WET, USUALLY - SATURATED - USUALLY LIQUID; VERY WET, USUALLY FRAME PH - PLASTIC SH - SARPADLITIC S - SAUL SARDY PLASTIC LIMIT - WET - (W) SEMISOLID, REQUIRES DRVING TO ATTAIN OPTIMUM MOISTURE FRAME, FRACUMENTS TC, - TRACTURED, FRACTURES TC, - TRICOME REFUSAL RT - RECOMPACTENT INTER (P) - WET - (W) SEMISOLID, REQUIRES DRVING TO ATTAIN OPTIMUM MOISTURE FRACE, - FRACTURED, FRACTURES TC, - TRICOME REFUSAL RT - RECOMPACTENT RATION (P) - WET - (W) SULD, AT OR NEAR OPTIMUM MOISTURE FRACE, - FRACTURED, FRACTURES TC, - TRICOME REFUSAL RT - RECOMPACTENT RATION (P) - DRY - (D) REQUIRES ADDITIONAL WATER TO ATTAIN OPTIMUM MOISTURE EOUIPMENT USED ON SUBJECT PROJECT ORGENTIATION SLIDHT - DRY - (D)<		(CSE. SD.) (F SD.) (SL.) (CL.)		- VANE SHEAD TEST	
SOIL MOISTURE CORRELATION OF TERMS CORP FLELD MOISTURE CORPERTATION TEST NP - NON PLASTIC \$	SIZE IN. 12 3		BT - BORING TERMINATED MICA MICACEOUS WEA	WEATHERED	
CATTERBERG LIMITS) DESCRIPTION GUIDE FOR FIELD MOISTORE DESCRIPTION DMT - DILATOMETER TEST PMT - PRESSUREMETER TEST SAMPLE ABBREVIATIONS LL - SATURATED - (SAT.) USUALLY LIQUID; VERY WET, USUALLY FROM BELOW THE GROUND WATER TABLE (PD) USUALLY LIQUID; VERY WET, USUALLY FROM BELOW THE GROUND WATER TABLE (PD) DMT - DILATOMETER TEST PMT - PRESSUREMETER TEST SAMPLE ABBREVIATIONS SAP SARD, SANDY SS - SPLIT SPOON PLASTIC LIMIT - WET - (W) SEMISOLID; REQUIRES DRYING TO ATTAIN OPTIMUM MOISTURE - WET - (W) SEMISOLID; REQUIRES DRYING TO ATTAIN OPTIMUM MOISTURE SEMISOLID; REQUIRES ORYING TO ATTAIN OPTIMUM MOISTURE SEMISOLID; REQUIRES ADDITIONAL WATER TO ATTAIN OPTIMUM MOISTURE FRAC FRACTURED, FRACTURE, TO ATTAIN OPTIMUM MOISTURE MOISTURE CONTENT RT = RECOMPACTED TRIAXIAL CBR - CALIFORNIA BEARING MUCHAENCER, FRACTURE, CLOUR REVERT MAMMER TYPE: RATIO MMM OPTIMUM MOISTURE - N - RECUIRES ADDITIONAL WATER TO ATTAIN OPTIMUM MOISTURE MAMMER TYPE: MAMMER TYPE: MAMMER TYPE: MAMMER TYPE: MAMMER	SOIL MOISTURE SCALE FIELD MOI		CPT - CONE PENETRATION TEST NP - NON PLASTIC $\hat{\gamma}_{\rm d}$	- DRY UNIT WEIGHT	
LL LIQUID LIMIT (SAT.) FROM BELOW THE GROUND WATER TABLE F - FINE SL - SILT, SILTY ST - SHELBY TUBE PLASTIC - WET - (W) SEMISOLID; REQUIRES DRYING TO ATTAIN OPTIMUM MOISTURE FRAC FRACTURED, FRA		TION	DPT - DYNAMIC PENETRATION TEST SAP SAPROLITIC S -	BULK	
PLASTIC - WET - (W) SEMISOLID; REQUIRES DRYING TO ATTAIN OPTIMUM MOISTURE FRAC FRACTURED, FRACTURES TCR - TRICONE REFUSAL (W - MOISTURE CONTENT RT - RECOMPACTED TRIAXIAL CBR - CALIFORNIA BEARING (P1) PL PLASTIC LIMIT - MOIST - (W) SOLID; AT OR NEAR OPTIMUM MOISTURE FRAC FRACTURED, FRACTURES TCR - TRICONE REFUSAL (W - MOISTURE CONTENT RT - RECOMPACTED TRIAXIAL CBR - CALIFORNIA BEARING OM OPTIMUM MOISTURE - MOIST - (M) SOLID; AT OR NEAR OPTIMUM MOISTURE FRAC FRACTURED, FRACTURES TCR - TRICONE REFUSAL (W - WERY RT - RECOMPACTED TRIAXIAL CBR - CALIFORNIA BEARING OM OPTIMUM MOISTURE - MOIST - (M) SOLID; AT OR NEAR OPTIMUM MOISTURE FRAC FRACTURED, FRACTURES TCR - TRICONE REFUSAL (W - WERY RT - RECOMPACTED TRIAXIAL CBR - CALIFORNIA BEARING OM OPTIMUM MOISTURE - MOIST - (M) SOLID; AT OR NEAR OPTIMUM MOISTURE OR - CALIFORNIA BEARING OM OPTIMUM MOISTURE - DRY - (D) REQUIRES ADDITIONAL WATER TO ATTAIN OPTIMUM MOISTURE OR - CALIFORNIA BEARING MAMMER TYPE; SUBCHILY PLASTIC 0-5 VERY LOW CME-55 B'HOLLOW AUGERS -B	(SAT.)		F - FINE SL SILT, SILTY ST	- SHELBY TUBE	
(P1) PL PLASTIC LIMIT - MOIST - (M) SOLID; AT OR NEAR OPTIMUM MOISTURE HI HIGHLY V - VERY RATIO OM OPTIMUM MOISTURE - MOIST - (M) SOLID; AT OR NEAR OPTIMUM MOISTURE EQUIPMENT USED ON SUBJECT PROJECT SL SHRINKAGE LIMIT - DRY - (D) REQUIRES ADDITIONAL WATER TO ATTAIN OPTIMUM MOISTURE AUVANCING TOOLS; HAMMER TYPE; - DRY - (D) REQUIRES ADDITIONAL WATER TO ATTAIN OPTIMUM MOISTURE Ge CONTINUOUS FLIGHT AUGER CORE SIZE; - DRY - (D) REQUIRES ADDITIONAL WATER TO ATTAIN OPTIMUM MOISTURE Ge Continuous FLIGHT AUGER CORE SIZE; - DRY - (D) REQUIRES ADDITIONAL WATER TO ATTAIN OPTIMUM MOISTURE Ge Continuous FLIGHT AUGER CORE SIZE; - DRY - (D) REQUIRES ADDITIONAL WATER TO ATTAIN OPTIMUM MOISTURE Ge Continuous FLIGHT AUGER CORE SIZE; - DRY - (D) REQUIRES ADDITIONAL WATER CME-550 HARD FACED FINGER BITS -N NON PLASTIC 0-5 VERY LOW VANE SHEAR TEST TUNGCARBIDE INSERTS -N SLIGHTLY PLASTIC 16-25 MEDIUM POST HOLE DIGGER HAND AUGER POST HOLE DIGGER HIGHLY PLASTIC 26 OR MORE HIGH PORTABLE HOIST TRICONE	PLASTIC BANGE - WET - (V		FRAC FRACTURED, FRACTURES TCR - TRICONE REFUSAL RT	- RECOMPACTED TRIAXIAL	
OM OPTIMUM MOISTURE - MOIST - (M) SOLID; AT OR NEAR OPTIMUM MOISTURE DRILL UNITS; ADVANCING TOOLS; HAMMER TYPE; SHRINKAGE LIMIT - DRY - (D) REQUIRES ADDITIONAL WATER TO ATTAIN OPTIMUM MOISTURE CME-45C CLAY BITS CALY BITS PLASTICITY - DRY - (D) REQUIRES ADDITIONAL WATER TO ATTAIN OPTIMUM MOISTURE G* CONTINUOUS FLIGHT AUGER CORE SIZE; NON PLASTIC 0-5 VERY LOW CME-550 HARD FACED FINGER BITS N SLIGHTLY PLASTIC 6-15 SLIGHT CME-550 TUNG,-CARBIDE INSERTS HAND AUGER MODERATELY PLASTIC 16-25 MEDIUM MICH PORTABLE HOIST TRICONE *STEEL TEETH HIGHLY PLASTIC 26 OR MORE HIGH PORTABLE HOIST TRICONE *STEEL TEETH HAND AUGER DESCRIPTIONS MAY INCLUDE COLOR OR COLOR COMBINATIONS (TAN, RED, YELLOW-BRWN, BLUE-GRAY). CORE BIT TUNG,-CARB. SOUNDING ROD		THE OFFICE POINT	HI HIGHLY Y - VERY	RATIO	
- DRY - (D) REQUIRES ADDITIONAL WATER TO ATTAIN OPTIMUM MOISTURE CME-45C CLAY BITS X AUTOMATIC MANUAL - DRY - (D) ATTAIN OPTIMUM MOISTURE CME-55C CLAY BITS CRE SIZE: CRE SIZE:	UM _ UPTIMUM MUISTURE	(M) SOLID; AT OR NEAR OPTIMUM MOISTURE	DRILL UNITS: ADVANCING TOOLS: HAMMER	R TYPE:	
PLASTICITY DRY STRENGTH X CME-55 B*HOLLOW AUGERS -B H PLASTICITY INDEX (PI) DRY STRENGTH CME-550 HARD FACED FINGER BITS N NON PLASTIC 6-15 SLIGHT VERY LOW VANE SHEAR TEST TUNG-CARBIDE INSERTS N MODERATELY PLASTIC 16-25 MEDIUM PORTABLE HOIST TRICONE -STEEL TEETH HIGHLY PLASTIC 26 OR MORE HIGH PORTABLE HOIST TRICONE -STEEL TEETH DESCRIPTIONS MAY INCLUDE COLOR OR COLOR COMBINATIONS (TAN, RED, YELLOW-BROWN, BLUE-GRAY).					
NON PLASTIC 0-5 VENT STRENDIT Image: Trendition of the strend of t	PLAS				
SLIGHTLY PLASTIC 6-15 SLIGHT VANE SHEAR TEST CASING W/ ADVANCER HAND TOOLS: MODERATELY PLASTIC 16-25 MEDIUM PORTABLE HOIST CASING W/ ADVANCER POST HOLE DIGGER HIGHLY PLASTIC 26 OR MORE HIGH PORTABLE HOIST TRICONE Steel teeth HAND AUGER DESCRIPTIONS MAY INCLUDE COLOR OR COMBINATIONS (TAN, RED, YELLOW-BROWN, BLUE-GRAY). DESCRIPTIONS MAY INCLUDE COLOR OR COMBINATIONS (TAN, RED, YELLOW-BROWN, BLUE-GRAY). CORE BIT TRICONE VANE SHEAR TEST					
HIGHLY PLASTIC 26 OR MORE HIGH PORTABLE HOIST TRICONE STEEL TEETH HAND AUGER COLOR COLOR COMBINATIONS (TAN, RED, YELLOW-BROWN, BLUE-GRAY). TRICONE TRICONE TUNG-CARB. SOUNDING ROD	SLIGHTLY PLASTIC MODERATELY PLASTIC	6-15 SLIGHT 16-25 MEDIUM			
DESCRIPTIONS MAY INCLUDE COLOR OR COLOR COMBINATIONS (TAN, RED, YELLOW-BROWN, BLUE-GRAY).		OR MORE HIGH	PORTABLE HOIST	AND AUGER	

						_,
					PROJECT REFERENCE NO.	SHEET NO.
					SF-320064	2A
		NORTH	CAROLINA DEPARTMI			
			DIVISION OF .			
		GEO1	ECHNICAL EN	GINEI	ERING UNIT	
	S	UBS	URFACE IN	VVE	- STIGATION	J
					-	•
	SOIL	AND R	OCK LEGEND, TERMS, (PAGE 2		S, AND ABBREVIATION	VS
					TERMS AND DEFINITIONS	
ROCK LINE 1	INDICATES THE LEVEL	AT WHICH NON-COAS	OULD YIELD SPT REFUSAL IF TESTED. AN INFERRED STAL PLAIN MATERIAL WOULD YIELD SPT REFUSAL. MPLER EQUAL TO OR LESS THAN 0.1 FOOT PER 60		IV.) - SOILS THAT HAVE BEEN TRANSPORTED BY WATER.	
BLOWS IN N REPRESENTE	NON-COASTAL PLAIN D BY A ZONE OF WEA	MATERIAL, THE TRAN	NSITION BETWEEN SOIL AND ROCK IS OFTEN		APPLIED TO ROCKS THAT HAVE BEEN DERIVED FROM SAND	D OR THAT CONTAIN SAND.
ROCK MATER	RIALS ARE TYPICALLY		S: N MATERIAL THAT WOULD YIELD SPT N VALUES >		APPLIED TO ALL ROCKS OR SUBSTANCES COMPOSED OF PORTION OF CLAY IN THEIR COMPOSITION, SUCH AS SHALL	
ROCK (WR)		100 BLOWS PER FO	OT IF TESTED.		UND WATER THAT IS UNDER SUFFICIENT PRESSURE TO R COUNTERED, BUT WHICH DOES NOT NECESSARILY RISE TO	
CRYSTALLINE ROCK (CR)			RAIN IGNEOUS AND METAMORPHIC ROCK THAT REFUSAL IF TESTED, ROCK TYPE INCLUDES GRANITE, HIST.FTC.	SURFACE.		
NON-CRYSTA		FINE TO COARSE G	RAIN METAMORPHIC AND NON-COASTAL PLAIN THAT WOULD YEILD SPT REFUSAL IF TESTED.	-	<u>LC.</u>) - SOILS THAT CONTAIN APPRECIABLE AMOUNTS OF C ICK FRAGMENTS MIXED WITH SOIL DEPOSITED BY GRAVITY	
ROCK (NCR) COASTAL PL		ROCK TYPE INCLUD COASTAL PLAIN SE	ES PHYLLITE, SLATE, SANDSTONE, ETC. DIMENTS CEMENTED INTO ROCK, BUT MAY NOT YIELD	OF SLOPE.	(REC.) - TOTAL LENGTH OF ALL MATERIAL RECOVERED IN	
SEDIMENTAR (CP)	Y ROCK	SHELL BEDS, ETC.	< TYPE INCLUDES LIMESTONE, SANDSTONE, CEMENTED	BY TOTAL LENG	TH OF CORE RUN AND EXPRESSED AS A PERCENTAGE.	
FRESH	ROCK ERESH CRYSTA		IERING S MAY SHOW SLIGHT STAINING. ROCK RINGS UNDER	ROCKS OR CUTS		
	HAMMER IF CRYSTAL	LINE.		DIP - THE ANGL HORIZONTAL.	E AT WHICH A STRATUM OR ANY PLANAR FEATURE IS IN	ICLINED FROM THE
(V SLI.)		KEN SPECIMEN FACE S	SOME JOINTS MAY SHOW THIN CLAY COATINGS IF OPEN, HINE BRIGHTLY. ROCK RINGS UNDER HAMMER BLOWS IF		DIP AZIMUTH) - THE DIRECTION OR BEARING OF THE HOR ASURED CLOCKWISE FROM NORTH.	IZONTAL TRACE OF THE
SLIGHT	ROCK GENERALLY FR	ESH, JOINTS STAINED	AND DISCOLORATION EXTENDS INTO ROCK UP TO		TURE OR FRACTURE ZONE ALONG WHICH THERE HAS BEE TO ONE ANOTHER PARALLEL TO THE FRACTURE.	N DISPLACEMENT OF THE
(SLI.)			IN GRANITOID ROCKS SOME OCCASIONAL FELDSPAR YSTALLINE ROCKS RING UNDER HAMMER BLOWS.		DPERTY OF SPLITTING ALONG CLOSELY SPACED PARALLEL	L PLANES.
MODERATE (MOD.)			COLORATION AND WEATHERING EFFECTS. IN ULL AND DISCOLORED,SOME SHOW CLAY. ROCK HAS	FLOAT - ROCK F	RAGMENTS ON SURFACE NEAR THEIR ORIGINAL POSITION	AND DISLODGED FROM
	DULL SOUND UNDER WITH FRESH ROCK.	HAMMER BLOWS AND S	HOWS SIGNIFICANT LOSS OF STRENGTH AS COMPARED	FLOOD PLAIN (F	P) - LAND BORDERING A STREAM, BUILT OF SEDIMENTS DE	EPOSITED BY THE STREAM.
MODERATELY SEVERE			STAINED, IN GRANITOID ROCKS, ALL FELDSPARS DULL ADLINIZATION, ROCK SHOWS SEVERE LOSS OF STRENGTH	FORMATION (FM.) FIELD.	- A MAPPABLE GEOLOGIC UNIT THAT CAN BE RECOGNIZE	D AND TRACED IN THE
(MOD. SEV.)		TED WITH A GEOLOGIS	T'S PICK. ROCK GIVES "CLUNK" SOUND WHEN STRUCK.		RE IN ROCK ALONG WHICH NO APPRECIABLE MOVEMENT H	
SEVERE	ALL ROCK EXCEPT Q	WARTZ DISCOLORED OF	STAINED. ROCK FABRIC CLEAR AND EVIDENT BUT N GRANITOID ROCKS ALL FELDSPARS ARE KAOLINIZED	ITS LATERAL EX	F-LIKE RIDGE OR PROJECTION OF ROCK WHOSE THICKNES (TENT.	SS IS SMALL COMPARED TO
(SEV.)	TO SOME EXTENT. S		RONG ROCK USUALLY REMAIN.		OF SOIL OR ROCK THAT THINS OUT IN ONE OR MORE DI - IRREGULARLY MARKED WITH SPOTS OF DIFFERENT COLO	
VERY	ALL ROCK EXCEPT Q	WARTZ DISCOLORED OF	STAINED. ROCK FABRIC ELEMENTS ARE DISCERNIBLE	USUALLY INDICA	TES POOR AERATION AND LACK OF GOOD DRAINAGE.	
SEVERE (V SEV.)	REMAINING, SAPROLI	TE IS AN EXAMPLE OF	OIL STATUS, WITH ONLY FRAGMENTS OF STRONG ROCK ROCK WEATHERED TO A DEGREE THAT ONLY MINOR		- WATER MAINTAINED ABOVE THE NORMAL GROUND WATE NING IMPERVIOUS STRATUM.	R LEVEL BY THE PRESENCE
COMPLETE			IN. <u>IF TESTED, WOULD YIELD SPT N VALUES < 100 BPF</u> DISCERNIBLE, OR DISCERNIBLE ONLY IN SMALL AND		SOIL - SOIL FORMED IN PLACE BY THE WEATHERING OF DESIGNATION (ROD) - A MEASURE OF ROCK QUALITY DESCR	
	SCATTERED CONCENT ALSO AN EXAMPLE.	RATIONS. QUARTZ MAY	BE PRESENT AS DIKES OR STRINGERS. SAPROLITE IS	ROCK SEGMENTS	EQUAL TO OR GREATER THAN 4 INCHES DIVIDED BY THE SSED AS A PERCENTAGE.	
		ROCK H		SAPROLITE (SAP	2 - RESIDUAL SOIL THAT RETAINS THE RELIC STRUCTURE	E OR FABRIC OF THE PARENT
VERY HARD	SEVERAL HARD BLOW	S OF THE GEOLOGIST			USIVE BODY OF IGNEOUS ROCK OF APPROXIMATELY UNIFO	
HARD	CAN BE SCRATCHED TO DETACH HAND SP		LY WITH DIFFICULTY. HARD HAMMER BLOWS REQUIRED		N COMPARED WITH ITS LATERAL EXTENT,THAT HAS BEEN R SCHISTOSITY OF THE INTRUDED ROCKS.	N EMPLACED PARALLEL TO
MODERATELY HARD	EXCAVATED BY HARD	BLOW OF A GEOLOGIS	NGES OR GROOVES TO 0.25 INCHES DEEP CAN BE ST'S PICK. HAND SPECIMENS CAN BE DETACHED	<u>SLICKENSIDE</u> - OR SLIP PLANE.	POLISHED AND STRIATED SURFACE THAT RESULTS FROM	FRICTION ALONG A FAULT
MEDIUM	BY MODERATE BLOWS		DEEP BY FIRM PRESSURE OF KNIFE OR PICK POINT.		TRATION TEST (PENETRATION RESISTANCE)(SPT) - NUMBER ER FALLING 30 INCHES REQUIRED TO PRODUCE A PENETR	
HARD		IN SMALL CHIPS TO P	EICES 1 INCH MAXIMUM SIZE BY HARD BLOWS OF THE	WITH A 2 INCH	OUTSIDE DIAMETER SPLIT SPOON SAMPLER. SPT REFUSAL AN 0.1 FOOT PER 60 BLOWS.	
SOFT	CAN BE GROVED OR FROM CHIPS TO SEV	GOUGED READILY BY K ERAL INCHES IN SIZE	NIFE OR PICK. CAN BE EXCAVATED IN FRAGMENTS BY MODERATE BLOWS OF A PICK POINT. SMALL, THIN		ECOVERY (SREC.) - TOTAL LENGTH OF STRATA MATERIAL OF STRATUM AND EXPRESSED AS A PERCENTAGE.	RECOVERED DIVIDED BY
VERY		KEN BY FINGER PRESS H KNIFE. CAN BE EXCA	JRE. WATED READILY WITH POINT OF PICK. PIECES I INCH	LENGTH OF ROC	UALITY DESIGNATION (SROD) - A MEASURE OF ROCK QUAL K SEGMENTS WITHIN A STRATUM EQUAL TO OR GREATER DEVICES AND EXPOSED AND EXPOSED AND EXPOSED	
SOFT			Y FINGER PRESSURE. CAN BE SCRATCHED READILY BY		GTH OF STRATA AND EXPRESSED AS A PERCENTAGE. SURFACE SOILS USUALLY CONTAINING ORGANIC MATTER.	
-	FRACTURE SPA		BEDDING		K: BL-102= NORTHING: 754672.217, EASTING	: 2384640.808
TERM VERY WID		SPACING THAN 10 FEET	TERM THICKNESS	BL STA. 10+		TION: 62.23 FEET
WIDE MODERATI CLOSE	ELY CLOSE 1	TO 10 FEET TO 3 FEET 6 TO 1 FOOT	THICKLY BEDDED 1.5 - 4 FEET THINLY BEDDED 0.16 - 1.5 FEET VERY THINLY BEDDED 0.03 - 0.16 FEET	NOTES:		
VERY CLO		THAN 0.16 FEET	THICKLY LAMINATED 0.008 - 0.03 FEET THINLY LAMINATED < 0.008 FEET	FIAD= FILLE	D IMMEDIATELY AFTER DRILLING	
		INDUR		1		
			ING OF MATERIAL BY CEMENTING, HEAT, PRESSURE, ETC. FINGER FREES NUMEROUS GRAINS:			
FRIAE	BLE	GENTLE BLOW B	BY HAMMER DISINTEGRATES SAMPLE.			
MODE	RATELY INDURATED		SEPARATED FROM SAMPLE WITH STEEL PROBE: WHEN HIT WITH HAMMER.			
INDUF	RATED		FICULT TO SEPARATE WITH STEEL PROBE; BREAK WITH HAMMER.			
FXTR	EMELY INDURATED	SHARP HAMMER	BLOWS REQUIRED TO BREAK SAMPLE;			
	LILL INDOMILED	SAMPLE BREAKS	GACROSS GRAINS.			DATE: 8-15-14





						BORE LOG	
WBS	17BP	.4.R.97			Т	SF-320064 COUNTY EDGECOMBE GE	EOLOGIST S. Woods
SITE	DESCR		Bri	dge No	o. 64 C	Town Creek on SR 1126 (Faith Baptist Church Rd.)	GROUND WTR (ft)
BORI	NG NO	. EB1-	·В		S	TION 14+89 OFFSET 12 ft RT AL	LIGNMENT -L- 0 HR. 2.5
COLL	AR EL	EV. 63	3.2 ft		Т	AL DEPTH 80.0 ft NORTHING 754,677 EA	ASTING 2,384,630 24 HR. 2.9
DRILL	RIG/HA	MMER E	FF./D/	ATE F	&R2175	E-55 82% 02/20/2018 DRILL METHOD Mud Rot	otary HAMMER TYPE Automatic
DRIL	LER S	. Davis			S	T DATE 09/19/18 COMP. DATE 09/19/18 SU	JRFACE WATER DEPTH N/A
ELEV	DRIVE	DEPTH	BL	ow co	UNT	BLOWS PER FOOT	
(ft)	ELEV (ft)	(ft)	0.5ft	0.5ft	0.5ft	25 50 75 100 NO. MOI G ELEV	SOIL AND ROCK DESCRIPTION V. (ft) DEPTH (1
70							
		ŧ					
		ŧ					
65	-	‡					
	63.2	0.0	2	2	2		GROUND SURFACE 0 ROADWAY EMBANKMENT
60		‡				4	Brown, Clayey Fine Sandy SILT (A-4) with2
60	59.7 -	- 3.5	2	1	WOH		Brown, Silty Fine SAND (A-2-4)
		ŧ				···· ···· ···· ····	
55	54.7 -	- 8.5				<u> </u>	
			1	1	WOH	· · · · · · · · · · · ·	Dark Gray, Clayey Fine SAND (A-2-6) with Trace Organics (Roots)
		Ŧ				····	12
50	49.7 -	13.5	5				Gray-Tan, Silty Fine to Coarse SAND (A-2-4) with Trace Organics (Wood Fragments)
		ŧ	5	4	6	. • 10 ·	
45		‡				46.2	COASTAL PLAIN 17
45	44.7 -	- 18.5	2	2	1	<u>,</u>	Dark Gray, Clayey Fine to Coarse SAND
		t				···· · · · · · · · · · · · ·	(A-2-6) with Trace Shell Fragments (YORKTOWN FORMATION)
40	39.7 -	- 23.5				<u>41.2</u>	Gray, Clayey Silty Fine to Coarse SAND
	39.7 -	<u>- 23.5</u> -	1	WOH	1	Sat.	(A-2-4)
		Ŧ					
35	34.7 -	28.5					
	•	ŧ	5	4	6	· ●10 · · · · · · · · · Sat.	
20		‡				$\cdot \cdot \cdot \cdot \cdot = \cdot \cdot \cdot \cdot \cdot = \cdot \cdot \cdot \cdot \cdot = \cdot \cdot \cdot \cdot = \cdot \cdot \cdot \cdot = \cdot \cdot \cdot = \cdot \cdot \cdot = \cdot \cdot \cdot = \cdot = \cdot \cdot = $	Gray, Clayey Fine to Coarse SAND (A-2-6) 32
30	29.7 -	- 33.5	10	9	8		with Trace Mica
	·	ŧ					
25	24.7 -	- 38.5					
		- <u>30.5</u>	8	9	9	Sat.	
	•	Ŧ					
20	19.7 -	43.5					
	•	‡	9	9	12	· · · • • • • · · · · · · · · · · · · ·	
15		‡			1		Gray-Red, Fine to Coarse Sandy Silty CLAY
15	14.7 -	48.5	7	11	19		(A-7) with Trace Gravel (YORKTOWN FORMATION)
		t			1	$\cdots : \{ \{ \{ i \} \} : i \} \cdots i \} \cdots i $	(YORK FOWN FORMATION)
10	97 -	- 53.5					
	3.1 -	- 33.5	7	10	17	м Х	
	•	Ŧ					
5	4.7 -	- - 58.5			L		
		‡	6	9	15		
		‡			1		
0	-0.3 -	63.5	8	14	17		
		ł	ľ		1		
-5		Ť "			1	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Brown-Light Gray, Clayey Fine to Coarse
-	-5.3 -	- 68.5 -	10	17	27	···· · · · · · · · · · · · · · · · · ·	SAND (A-2-6) with Trace Mica
		‡			1		
-10		t	L			$\frac{\cdots \cdots \cdots / \cdots \cdots}{\cdots} \cdots \cdots \cdots \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad$	

												KE L									
NBS	17BP	.4.R.97			Т	IP S	F-320	064		COUN	ITY E	DGEC	OMBE			GEOLC	GIST S	S. Woo	ds		
SITE	DESCR		Brid	lge No	o. 64 C	ver ⁻	Fown C	Creek	on S	R 112	6 (Fait	n Baptis	t Chu	rch Rd)					GROU	ND WTR (f
BORI	NG NO	. EB1	-В		S	TATI	ON 1-	4+89			OF	FSET	12 ft F	RT		ALIGN	MENT -	L-		0 HR.	2.
OLL	AR ELI	EV. 63	3.2 ft		Т	ΟΤΑΙ	DEP	FH 8	0.0 ft		NO	RTHING	3 75	1,677		EASTIN	IG 2,38	34,630		24 HR.	2.
RILL	RIG/HA	MMER E	FF./DA	TE F	&R2175	CME	-55 82	% 02/2	20/2018	3			DRIL	LMETH	OD N	lud Rotary			HAM	MER TYPE	Automatic
RIL	LER S	. Davis	;		S	TAR		E 09/	/19/18	3	со	MP. DA	TE (9/19/1	3	SURFA	CE WAT	ER DE	PTH N	N/A	
LEV	DRIVE ELEV	DEPTH	1	ow co						ER FO			SAN		/ L						
ft)	ELEV (ft)	(ft)	0.5ft	0.5ft	0.5ft	0	2	25	5	0	75	100	NC	. /м	O DI G	ELEV. (ft)	SOIL	AND RO	DCK DE	SCRIPTION	I DEPTH
10									Match	n Line											
	-10.3	73.5	16	16	17	T		. • 3	3				T_	ГМ	///		Brown-Lig SAND (A-	ght Gray 2-6) with	, Clayey Trace M	Fine to Co Aica (contin	arse nued)
		Ŧ				:		1.	•••						/./	-		,		(
15	-15.3 -	78.5	8	7	9	↓ <u> </u>	/								///	-					
ł		ŧ	- °	, '	9	<u> </u>	• • 16		•••		• •			W	~~	-16.8	Boring Te	erminate	d at Elev	vation -16.8	80 ft in
		Ŧ														-	Š	AND (CO	DASTAL	PLAIN)	
	-	ŧ														-					
		‡														-					
	-	‡														-					
	•	ŧ														-					
		‡														-					
	-	ŧ														-					
		‡														-					
	-	ŧ														-					
	•	ŧ														-					
	•	ŧ														-					
	-	ŧ														-					
		ŧ														-					
	-	ŧ														-					
		ŧ														-					
		ł														-					
	-	ł														_					
		ł														-					
		Ł														-					
		ł														_					
		Ŧ														-					
	-	Ŧ														-					
		Ŧ														-					
		Ŧ														-					
	-	ŧ														-					
	•	ŧ														-					
	-	‡														-					
		ŧ														-					
	•	ŧ														-					
	-	ŧ														-					
		‡														-					
	_	‡														-					
		‡														-					
		ŧ														-					
	-	ŧ														-					
		ŧ														-					
		Ŧ														-					

										UG			1	
WBS	17BP.	4.R.97			T	P SF-320064	COUNT	Y E	DGECC	OMBE			GEOLOGIST S. Woods	
SITE	DESCR	IPTION	l Brid	ge No	. 64 C	ver Town Creek on	SR 1126 (Faith	Baptis	t Church	n Rd.)			GROUND WTR (ft)
BORI	NG NO.	B1-A			S	TATION 15+34		OFF	SET	7 ft LT			ALIGNMENT -L-	0 HR. NM
OLL	AR ELE	V. 48	8.2 ft		Т	OTAL DEPTH 88.8	ft	NOF	RTHING	3 754,7	23		EASTING 2,384,613	24 HR. FIAD
RILL	rig/hai	VIMER E	FF./DA	TE F8	R2175	CME-55 82% 02/20/20	018			DRILL N	NETHO	D Mu	d Rotary HAMM	ER TYPE Automatic
RILL	.ER S	Davis			S	TART DATE 09/20/	/18	CO	MP. DA	TE 10/0	02/18		SURFACE WATER DEPTH 8.8	3ft
LEV	DRIVE ELEV	DEPTH	BLC	w cou	JNT	BLOWS	S PER FOOT			SAMP.	▼∕		SOIL AND ROCK DESC	RIPTION
(ft)	(ft)	(ft)	0.5ft	0.5ft	0.5ft	0 25	50	75	100	NO.	мо		ELEV. (ft)	DEPTH (
60		-												
	-	-											WATER SURFACE (0	9/20/18)
55	-	-										1 — F		
	-	-												
	-	-												
50	-	-												
F	48.2	0.0	3	2	13						w	-	48.2 GROUND SURFA	.CE (
45	-	-						-				\sim	46.2 Gray-Brown, Silty Fine to C (A-2-4) with Some Concrete	oarse SAND2
	44.7 -	- 3.5	1	1	3	•4···					w		Artificial Fibrous Material, Org and Asphalt	ganics (Roots), I
	-	-											Dark Gray, Clayey Fine to C	Coarse SAND
40	39.7 -	- 8.5	2	2	1								(A-2-6) COASTAL PLA	
	-	-		2	1	$\left \begin{array}{c c} \bullet_3 & \cdots & \vdots & \vdots \\ \uparrow_{\mathbf{V}} & \cdots & \vdots & \vdots & \vdots \\ \bullet_{\mathbf{V}} & \cdots & \bullet_{\mathbf{V}} & \vdots & \vdots \\ \bullet_{\mathbf{V}} & \bullet_{\mathbf{V}} & \bullet_{\mathbf{V}} & \bullet_{\mathbf{V}} \\ \bullet_{\mathbf{V}} & \bullet_{\mathbf{V} & \bullet_{\mathbf{V}} \\ \bullet_{\mathbf{V}} & \bullet_{\mathbf{V}} \\ \bullet_{\mathbf{V}} & \bullet_{\mathbf{V} \\ $					Sat.	-	Gray, Silty Fine to Coarse SA Trace Organics (Wood F	ND (A-2-4) w/ ragments,
35	- - 34.7 —	- 13.5											28.5-30.0') (YORKTOWN FORM	ATION)
		- 13.5	8	5	7	· · · · · · · · · · · · · · · · · · ·					Sat.	-		
	-	_										F		
30	29.7 -	18.5	11	11	11			<u> </u>			0-4			
	-	_									Sat.	E		
25	- 24.7	- 23.5												
	-24./		10	9	9						Sat.			
	-	-												
20	19.7 -	- 28.5	9	11	14			<u> </u>			Sat.			
	-	-				$\begin{vmatrix} & \cdot & \cdot & \cdot \\ & \cdot & \cdot & \cdot & \cdot \\ & \cdot & \cdot$		·	· · ·		Jai.		40.0	
15	15.9 -	- 32.3	4	5	9	· · · / · · · ·					w	N	Gray-Red-Brown, Fine to Coa	rse Sandy Silty
	-	-							· · ·				CLAY (A-7) with Trac (YORKTOWN FORM	e Mica ATION)
40	- 10.9	- - 37.3				:::\\: :::	. .							
10	-	_	7	9	11			<u> </u>			w			
	-	-					. .	.	· · ·					
5	5.9 -	- 42.3 -	7	9	11			•			w			
	-	-				$\left \left \begin{array}{c} \cdot \cdot \cdot \cdot \mathbf{J}^{-1} \\ \cdot \cdot \cdot \cdot \mathbf{J} \right \\ \cdot \cdot \cdot \cdot \mathbf{J} \right $. .	-						
0	0.9	- 47.3		9	11		· · · · · ·		· · ·					
0	-	-	8	9	14	23 		-			W			
	-					$\left \left \begin{array}{c} \cdot \cdot \cdot \cdot \\ \cdot \cdot \\ \cdot \\ \cdot \\ \cdot \\ \cdot \\ \cdot \\ \cdot $	• • • • •		· · ·			N		
-5	-4.2 -	- 52.3 -	15	20	25	 `	· · · · · 45	·			w	N+		
	-	-				: : : : : : /	.		· · ·			N		
-10	-9.2	- - 57.3	13	14	20		· · · · · ·		· · ·					
	-	-		14	20	3 4					W	N		
	-					:::://:::	.		· · ·					
-15	-14.2 -	- 62.3 -	8	8	10	• • • • • • • • • • • • • • • • • • •		<u> </u>			w	N		
	-					:::;	.		· · ·			N		
-20	-19.2 -	- 67.3		10	12	::: :::	· · · · · · · · · ·		· · ·			N		

													.00			1			
WBS	17BP	.4.R.97	,		TI	P SF	-3200	064	(COUNT	ΥE	DGEC	OMBE			GEOLOGIST S. V	Voods		
SITE	DESCR	RIPTION	Brid	lge No	o. 64 O	ver To	wn C	reek o	n SF	R 1126 (Faith	Baptis	t Churcl	h Rd.))			GROUN	ID WTR (f
ORI	NG NO	. B1-A	۱		S	ΓΑΤΙΟ	N 15	5+34			OFF	SET	7 ft LT			ALIGNMENT -L-		0 HR.	N
OLL	AR ELI	EV . 48	3.2 ft		Т	OTAL I	DEPT	H 88.	.8 ft		NO	RTHING	3 754,7	723		EASTING 2,384,6	613	24 HR.	FIAD
RILL	RIG/HA	MMER E	FF./DA	TE Fa	4R2175	CME-5	5 82%	6 02/20/	2018						DD M			/IER TYPE	Automatic
	DRIVE	1		ow co											A . 1	1			
	ELEV		·	-		0	2					100		MO			D ROCK DES	CRIPTION	DEPTH
	()							1											DEFIN
20								М	atch	line									
20		+		+			· · ·	22· <u>····</u> · · ·			Τ·		+	Fw-	N	Gray-Red-Bro	wn, Fine to Co	arse Sandy	Silty
	•	‡							•	· · · · ·		· · · · · ·				(YORKTOW	N FORMATIO	N) <i>(continu</i>	ed)
25	-24.2 .	<u> </u>	7	12	13	· · ·	• •		·		·			w		-			
		ŧ						N	:			· · · · · ·							
	-29.2	77.3					· · · ·	\ 	$\langle \cdot \rangle$			· · ·							
30	-	ŧ	12	17	34			<u></u>	\rightarrow	51	+-			w					
		Ŧ					• •		./		.								
35	-34.2	82.3	14	18	24		•••		!		.				N				
	-	ŧ							1 42					**					
		‡					•••												
40	-39.2 -	+ 87.3 +	12	16	24		•••	· · ·	40-		·			w		-40.7			8
Γ	•	‡														Boring Term	inated at Eleva	ation -40.7 f	ft in
		‡															·	,	
	-	ŧ													l E	-			
		+													-				
		Ŧ													F				
	-	ŧ														-			
	•	‡																	
	-	‡														-			
		ŧ													ΙĿ				
	•	t																	
	-	Ŧ														-			
		Ŧ													F				
		Ŧ													F				
	-	ŧ														-			
		<u>†</u>																	
		<u> </u>													Ŀ				
		+													-				
		Ŧ													F				
	-	‡														-			
		‡																	
		t													Ŀ				
	-	ł													-	-			
		Ŧ													F				
		Ŧ													F				
	-	ŧ														-			
		‡																	
		t														_			
	-	Ŧ													F				
		Ŧ																	
	-	‡																	
		t																	
		ł												1					
		Ť																	

														UG			1		
WBS	17BP	.4.R.97			T	ΊP	SF-32	2006	4	CC	UNT	r ed	GECC	MBE			GEOLOGIST S. Woods		
SITE	DESCR		Brid	dge No	. 64 C	Over	Towr	n Cre	ek on	SR 1	126 (Faith	Baptis	t Church	n Rd.)			GROUND W	TR (f
BORI	NG NO.	EB2-	-A		s	TAT	ION	16+	06			OFF	SET	12 ft LT			ALIGNMENT -L-	0 HR.	5.
	AR ELI								80.0	ft				754,7	95			4 HR.	2.
	RIG/HA													DRILL N				RTYPE Auto	
																			Induc
DRIL	LER S	. Davis	-				T DA		09/19			CON	IP. DA	TE 09/	19/18		SURFACE WATER DEPTH N/A		
	DRIVE ELEV	DEPTH			1				BLOWS					SAMP.	▼∕		SOIL AND ROCK DESCR		
(ft)	(ft)	(ft)	0.5ft	0.5ft	0.5ft	0		25		50		75	100	NO.	/моі	G	ELEV. (ft)	DE	EPTH
70																			
	-	F														I F			
	-	Ŧ																	
65	-	ŧ.															<u>.</u>		
		<u>+</u>														ΙĿ	62.4 GROUND SURFAC	c	
ŀ	62.4	0.0	1	1	1			•	•••	• •	• • •	.			w	L®F	ROADWAY EMBANKN		
60	-	†				ľ		·	· · ·	· ·		<u> </u>					60.4 Brown, Clayey Fine Sandy SIL Trace Organics (Roo		
ŀ	58.9	3.5	WOH	1	1	11	· · ·	:	· · ·	· ·	· · ·				Sat.	F.t	Brown, Silty Fine SAND		
	-	ł					<u>.</u>	•	• • •	• •					- Cull	L			
55		F						·		· ·							55.4ALLUVIAL		
ŀ	53.9	8.5	WOH	WOH	1	11		:	· · · · · ·	: :	· · · · · ·				Sat.	///	Dark Gray, Clayey Fine SAND Trace Organics (Roots an	(A-2-6) with	
	-	Ł				$ \Gamma$		·	· · ·	· ·	· · ·					\sim	Fragments)		
50	48.9	13.5				H											50.4 Gray-Tan, Silty Fine to Coarse S	SAND (A-2-4)	
ŀ	40.9 -	- 13.5	4	2	4	1	•••	:	· · · · · ·	: :	· · · · · ·				Sat.				
	-	t					111	:	· · ·	: :	· · ·						45.4		1
45	43.9	18.5				ΙH										\sim	COASTAL PLAIN		
ľ	45.9 -	- 10.5	2	2	2	114	4 · ·	:		. .	· · ·				Sat.	\sim	Dark Gray, Clayey Fine to Co (A-2-6) with Trace Shell Fra	arse SAND	
	-	ŧ				İ	· · ·	:	· · · · · ·	· ·	· · ·					\sim	(YORKTOWN FORMAT	TION)	
40	38.9	23.5				∣⊬						+				///			
Ī		- 20.0	WOH	WOH	1					. .					Sat.	\sim			
0.5	-	ţ					· · ·	:	· · · · · ·	: :	· · ·					~~	35.4		2
35	33.9	28.5								<u> </u>		+					Gray, Silty Fine to Coarse SANI	2 (A-2-4) with	
ſ		-	4	4	4	1 :	8								Sat.	F	Trace Clay		
20		‡					. . .	:	· · · · · ·	: :	· · · · · ·								
30	28.9	33.5					-\-			+-		+							
ſ		+	5	8	8	11	•••	16	• • •	· ·					Sat.	F			
25	-	Ŧ				:	· · · ·	V.	· · · · · ·	: :	· · · · · ·						25.4		3
20	23.9	- 38.5						<u>\</u>		. .		+				\sim	Gray, Clayey Fine to Coarse S	AND (A-2-6)	=
ſ		+	8	12	12			· • • 24	4 • •	$\cdot \mid \cdot$		• •	•••		Sat.		with Trace Mica		
20	-	F					· · ·	: `	X. I	: :	· · ·					~~~	20.4		
	18.9	43.5						.		. .		+				N	Gray-Red-Brown, Fine to Coars CLAY (A-7) with Trace	e Sandy Silty	
	-	t	14	16	28	-		:	::)	44	•••	•	· · ·		w	N	(YORKTOWN FORMA)		
15	-	ł						•		. .						\mathbf{N}			
	13.9	48.5						. ,	<u>,</u>	. .		1.				N			
	-	t	8	11	14		· · ·	∶ ∳ 2	5	: :	· · ·				w	N			
10	-	╞					•••	·	•••	• •						N			
	8.9	53.5	<u>-</u>	10	17			·											
	-	t	7	10	17	:	· · ·	: •	27 · ·	: :	· · ·				W	N			
5	-	Ł				-		$\cdot $		· ·		· ·				\mathbf{N}			
	3.9	58.5	11	14	17			.	1	. .									
	-	‡		14		:	 	:	•31 ·	: :	· · ·				W	N			
0	-	Ł				-		·	·	· ·		· ·				\mathbf{N}			
	-1.1	63.5	9	18	29					. .							-		
	-	‡	9	10	29	:	 	:	· · ·	●47 · · ·	· · · · · ·				м	N			
-5	-	Ł				-		•		·il·		· ·				\mathbf{N}			
	-6.1	68.5	11	21	27	[· ·			<u>,</u>	N	-		
	-	‡		[∠] '	21	:	· · ·	:	· · ·	• 4 8•	· · · · · ·				W	N			
-10	-	ł		1				•		• 1 •				1		N			

														1		
	17BP.					P SF-32				EDGEC				GEOLOGIST S. Woods	1	
				lge No			Creek or	n SR 11		-		-		1		D WTR (f
ORI	NG NO.	EB2-	A		S	TATION	16+06		0	FSET	12 ft LT			ALIGNMENT -L-	0 HR.	5.
	AR ELE						PTH 80.		N	ORTHING				EASTING 2,384,611	24 HR.	2.
RILL	RIG/HAI	VIMER E	FF./DA	TE F	&R2175	CME-55 8	32% 02/20/	2018			DRILLI	METHO	D Mu	d Rotary HAMIV	ER TYPE	Automatic
RILL	.ER S	. Davis			S	TART DA	TE 09/1	9/18	C	omp. Da	TE 09/	19/18		SURFACE WATER DEPTH N	/A	
EV ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLC 0.5ft	0W CO		0	BLOW 25	/S PER F0 50	DOT 75	100	SAMP. NO.	моі	L O G	SOIL AND ROCK DES	CRIPTION	DEPTH
10		- 73.5					M	atch Line) 			 		Gray-Red-Brown, Fine to Co	arse Sandy S	Silty — —
15		-	17	27	25		· · · · · · · · · · · · · · · · · · ·	· • • • • • • • • • • • • • • • • • • •	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · ·		w		CLAY (A-7) with Tra (YORKTOWN FORMATIO	ce Mica	
-	-16.1 -	78.5	18	20	21			/· · · 41 · ·				м	N	-17.6		8
		- - - - - - - - - -												Boring Terminated at Eleva CLAY (COASTAL F	tion -17.6 ft i 2LAIN)	in
		- - - - -														
	-	-														
	-	- - - -														
	-	- - - -														
	-	- - - - - - -														
		-														
	-	-														
	-															
		-														
	- - - -															
	-	- - -														
	-	t														