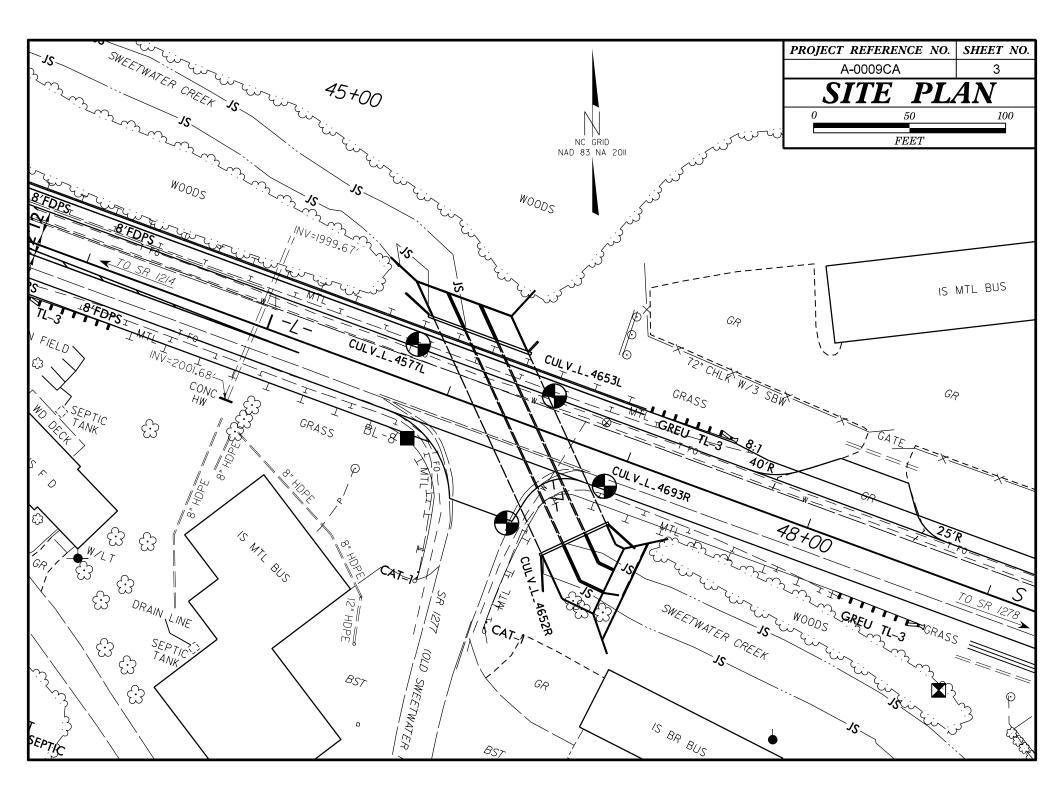
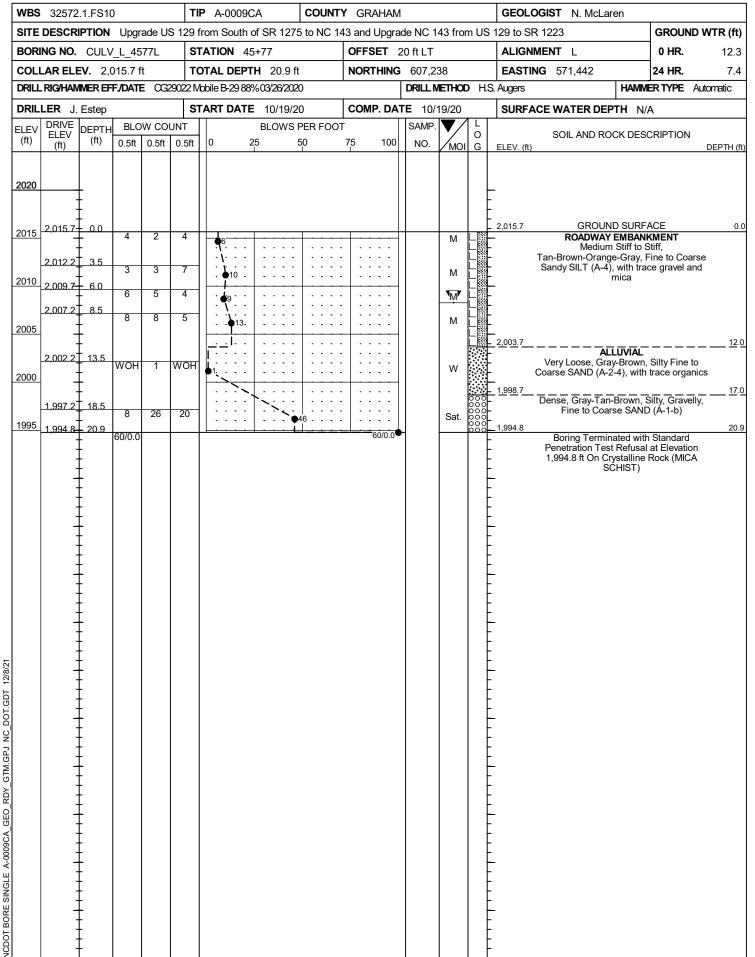


	PROJECT REFERENCE NO.	SHEET NO.									
	A-0009CA	2									
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS GEOTECHNICAL ENGINEERING UNIT											
SUBSURFACE IN	VVESTIGATION										
SOIL AND ROCK LEGEND, TERMS, S (PAGE 1		S									
SOIL DESCRIPTION	GRADATION										
BE PENETRATED WITH A CONTINUOUS FLIGHT POWER AUGER AND YIELD LESS THAN 100 BLOWS PER FOOT	WELL GRADED - INDICATES A GOOD REPRESENTATION OF PARTICLE SIZES F UNIFORMLY GRADED - INDICATES THAT SOIL PARTICLES ARE ALL APPROXIM GAP-GRADED - INDICATES A MIXTURE OF UNIFORM PARTICLE SIZES OF TWO ANGULARITY OF GRAINS	MATELY THE SAME SIZE. O OR MORE SIZES.									
VERY STIFF, GRAY, SILTY CLAY, MOIST WITH INTERBEDDED FINE SAND LAYERS, HIGHLY PLASTIC, A-7-6	THE ANGULARITY OR ROUNDNESS OF SOIL GRAINS IS DESIGNATED I ANGULAR, SUBANGULAR, SUBROUNDED, OR ROUNDED.	BY THE TERMS:									
SOIL LEGEND AND AASHTO CLASSIFICATION	MINERALOGICAL COMPOSITION										
CLASS. (<35%, PASSING *200) (>35%, PASSING *200) (>35%, PASSING *200) Underlie	MINERAL NAMES SUCH AS QUARTZ,FELDSPAR,MICA,TALC,KAOLIN ARE USED IN DESCRIPTIONS WHEN THEY ARE CONSIDERED OF SI										
CLASS. A-1-a A-1-b A-2-4 A-2-5 A-2-6 A-2-7 A-74 000000000000000000000000000000000000	COMPRESSIBILITY SLIGHTLY COMPRESSIBLE LL < 31										
	MODERATELY COMPRESSIBLE LL = 31 HIGHLY COMPRESSIBLE LL > 50	- 50									
*10 50 MX GRANULAR SILI- MUCK, GRANULAR CLAY PEAT	PERCENTAGE OF MATERIAL										
■200 15 MX 25 MX 10 MX 35 MX 35 MX 35 MX 35 MX 36 MN 36 MN 36 MN 36 MN	GRANULAR SILT - CLAY <u>ORGANIC MATERIAL</u> TRACE OF ORGANIC MATTER 2 - 3% 3 - 5% TRACE	<u>R MATERIAL</u> 1 - 10%									
MATERIAL PASSING *40 LL 40 MX 41 MN 40 MX 41 MN 40 MX 41 MN 40 MX 41 MN 50LS WITH	LITLE ORGANIC MATTER 3 - 5% 5 - 12% LITTLE MODERATELY ORGANIC 5 - 10% 12 - 20% SOME										
PI 6 MX NP 10 MX 10 MX 11 MN 11 MN 10 MX 10 MX 11 MN 11 MN HI MN MODERATE OPENALC	HIGHLY ORGANIC > 10% > 20% HIGHLY										
GROUP INDEX 0 0 0 4 MX 8 MX 12 MX 16 MX NU MX AMUUNIS UP SOILS	GROUND WATER	R DRILLING									
OF MAJOR GRAVEL, AND SAND GRAVEL AND SAND SOILS SOILS	✓ WHEN LEVEL IN OWNER NEED IN TENTED INTENTE INTENTE INTENTE INTENTE INTENTE INTENTE INTENTE INTENTE I	DALELING									
GEN. RATING EXCELLENT TO GOOD EATE TO POOR FAIR TO POOR LINSUITABLE	∇PW PERCHED WATER, SATURATED ZONE, OR WATER BEA	ARING STRATA									
AS SUBGRADE LACLELENT TO 0000 Min TO 0001 POOR TOUR Min TO 0001 PI OF A-7-5 SUBGROUP IS ≤ LL - 30 PI OF A-7-6 SUBGROUP IS > LL - 30 P	O-M- SPRING OR SEEP										
CONSISTENCY OR DENSENESS	MISCELLANEOUS SYMBOLS										
PRIMARY SOIL TYPE COMPACTNESS OR CONSISTENCY CONSISTENCY (N-VALUE) (NCONFINED CONSISTENCY (N-VALUE) (NCONFIRED) (N-VALUE) (TONS/FT ²)	ROADWAY EMBANKMENT (RE) 25/025 DIP & DIP DIRECTION WITH SOIL DESCRIPTION OF ROCK STRUCTURES										
VERY LOOSE < 4	Soll SYMBOL	SLOPE INDICATOR									
GRANULAR LOOSE 4 TO 10 MATERIAL MEDIUM DENSE 10 TO 30 N/A		INSTALLATION CONE PENETROMETER									
(NON-COHESIVE) DENSE 30 TO 50 (NON-COHESIVE) VERY DENSE > 50		TEST									
VERY SOFT < 2 < 0.25 - GENERALLY SOFT 2 TO 4 0.25 TO 0.5 -	- INFERRED SOIL BOUNDARY CORE BORING	SOUNDING ROD TEST BORING									
MATERIAL STIFF 8 TO 15 1 TO 2	TET INFERRED ROCK LINE MONITORING WELL	WITH CORE									
(COHESIVE) VERY STIFF 15 TO 30 2 TO 4 + HARD > 30 > 4 +	TTTT ALLUVIAL SOIL BOUNDARY A PIEZOMETER INSTALLATION)— SPT N-VALUE									
TEXTURE OR GRAIN SIZE	RECOMMENDATION SYMBOLS										
U.S. STD. SIEVE SIZE 4 10 40 60 200 270 DPENING (MM) 4.76 2.00 0.42 0.25 0.075 0.053		SSIFIED EXCAVATION - TABLE,BUT NOT TO BE IN THE TOP 3 FEET OF									
BOULDER COBBLE GRAVEL COARSE FINE SAND SAND (SL,) (CL,)		KMENT OR BACKFILL									
SIZE IN. 12 3	T - BORING TERMINATED MICA MICACEOUS WEA.	- VANE SHEAR TEST									
SOIL MOISTURE - CORRELATION OF TERMS	PT - CONE PENETRATION TEST NP - NON PLASTIC $\dot{\gamma}_{d}$ -	UNIT WEIGHT DRY UNIT WEIGHT									
(ATTERBERG LIMITS) DESCRIPTION GUIDE FOR FIELD MOISTORE DESCRIPTION DE		AMPLE ABBREVIATIONS									
- SATURATED - USUALLY LIQUID; VERY WET, USUALLY e	- VOID RATIO SD SAND, SANDY SS -	BULK · SPLIT SPOON · SHELBY TUBE									
	OSS FOSSILIFEROUS SLI SLIGHTLY RS -	· SHELBY TUBE · ROCK · RECOMPACTED TRIAXIAL									
RANGE C - WET - (W) SEMISULU; REUDIRES DRYING TO		- CALIFORNIA BEARING RATIO									
	EQUIPMENT USED ON SUBJECT PROJE										
SI SHRIMAGE INIT											
- DRY - (D) REQUIRES ADDITIONAL WATER TO											
PLASTICITY	Image: Children and Childre	О-н									
PLASTICITY INDEX (PI) DRY STRENGTH NON PLASTIC 0-5 VERY LOW	CME-550 HARD FACED FINGER BITS										
SLIGHTLY PLASTIC 6-15 SLIGHT MODERATELY PLASTIC 16-25 MDJUM	VANE SHEAR TEST CASING W/ ADVANCER HAND TO										
HIGHLY PLASTIC 26 OR MORE HIGH		IST HOLE DIGGER									
	X MOBILE B-29	UNDING ROD									
DESCRIPTIONS MAY INCLUDE COLOR OR COLOR COMBINATIONS (TAN, RED, YELLOW-BROWN, BLUE-GRAY). MODIFIERS SUCH AS LIGHT, DARK, STREAKED, ETC. ARE USED TO DESCRIBE APPEARANCE.		NE SHEAR TEST									

				PROJECT REFERENCE NO.	SHEET NO.				
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			DIVISION OF	ent of transportation highways GINEERING UNIT					
		ULUI							
				VESTIGATION SYMBOLS, AND ABBREVIATIONS OF 2)	Y				
	10 1.01. 001071. D. 11		SCRIPTION OULD YIELD SPT REFUSAL IF TESTED. AN INFERRED	TERMS AND DEFINITIONS					
ROCK LINE: SPT REFUSA BLOWS IN N REPRESENTE ROCK MATER ROCK (WR) CRYSTALLIN ROCK (CR) NON-CRYSTA ROCK (NCR) COASTAL PL SEDIMENTAR (CP) FRESH	INDICATES THE LEVEL L SPENETRATION BUD ION-COASTAL PLAIN 1 D BY A ZONE OF WEE IIALS ARE TYPICALLY E LLINE AIN ROCK FRESH, CRYSTAL HAMMER IF CRYSTAL ROCK GENERALLY FR I INCH, OFEN JOINTS	AT WHICH NON-COA A SPLIT SPOON SA MATERIAL, THE TRA THERED ROCK. DIVIDED AS FOLLOW NON-COASTAL PLAI 100 BLOWS PER FC FINE TO COARSE C WOULD YIELD SPT GNEISS, GABBRO, SC SEDIMENTARY ROCK COASTAL PLAIN SE SPT REFUSAL. ROC COASTAL PLAIN SE SPT REFUSAL. ROC SHELL BEOS.ETC. WEATH S BRIGHT, FEW JOINT SH, JOINTS STAINED. (K) SPECIENEN FACE S JATURE. SH, JOINTS STAINED. (K) STAINED.	STAL PLAIN MATERIAL WOULD YIELD SPT REFUSAL. MPLER EQUAL TO OR LESS THAN 0.1 FOOT PER 60 SUITION BETWEEN SOIL AND ROCK IS OFTEN SI N MATERIAL THAT WOULD YIELD SPT N VALUES > OT IF TESTED. RAIN IGNEOUS AND METAMORPHIC ROCK THAT REFUSAL IF TESTED. ROCK TYPE INCLUDES GRANITE,	ALLUVIUM (ALLUY) - SOILS THAT HAVE BEEN TRANSPORTED BY WATER. AUTOR AND	Y MINERALS, OR HAVING ATE, ETC. ABOVE THE LEVEL AT ABOVE THE GROUND UM CARBONATE. SLOPE OR AT BOTTOM E CORE BARREL DIVIDED URE OF ADJACENT ED FROM THE TAL TRACE OF THE SPLACEMENT OF THE				
MODERATE (MOD.) MODERATELY SEVERE (MOD. SEV.) SEVERE (SEV.)	GRANITOID ROCKS, MC DULL SOUND UNDER I WITH FRESH ROCK. ALL ROCK EXCEPT DI AND DISCOLORED AND AND CAN BE EXCAVA IF TESTED, WOULD Y, ALL ROCK EXCEPT DI	ST FELDSPARS ARE E HAMMER BLOWS AND S JARTZ DISCOLORED OF A MAJORITY SHOW A FED WITH A GEOLOGIS FELD SPT REFUSAL JARTZ DISCOLORED OF	COLORATION AND WEATHERING EFFECTS. IN ULL AND DISCOLORED, SOME SHOW CLAY. ROCK HAS HOWS SIGNIFICANT LOSS OF STRENGTH AS COMPARED IS STAINED. IN GRANITOID ROCKS, ALL FELDSPARS DULL (ADLINIZATION. ROCK SHOWS SEVERE LOSS OF STRENGTH T'S PICK. ROCK GIVES 'CLUNK' SOUND WHEN STRUCK. IS STAINED. ROCK FABRIC CLEAR AND EVIDENT BUT N GRANITOID ROCKS ALL FELDSPARS ARE KAOLINIZED	FLOAT - ROCK FRAGMENTS ON SURFACE NEAR THEIR ORIGINAL POSITION AND DISLODGED FROM PARENT MATERIAL. FLOOD PLAIN (FP) - LAND BORDERING A STREAM, BUILT OF SEDIMENTS DEPOSITED BY THE STREAM. FORMATION (FM.) - A MAPPABLE GEOLOGIC UNIT THAT CAN BE RECOGNIZED AND TRACED IN THE FIELD. JOINT - FRACTURE IN ROCK ALONG WHICH NO APPRECIABLE MOVEMENT HAS OCCURRED. LEDGE - A SHELF-LIKE RIDGE OR PROJECTION OF ROCK WHOSE THICKNESS IS SMALL COMPARED TO ITS LATERAL EXTENT. LENG - A BODY OF SOIL OR ROCK THAT THINS OUT IN ONE OR MORE DIRECTIONS. MOTILED (MOT.) - IRREGULARLY MARKED WITH SPOTS OF DIFFERENT COLORS, MOTILING IN SOILS USUALLY INDICATES POOR AERATION AND LACK OF GOOD DRAINAGE. PERCHED WATER - WATER MAINTAINED ABOVE THE NORMAL GROUND WATER LEVEL BY THE PRESENCE OF AN INTERVENING IMPERVIOUS STRATUM. RESIDUAL (RES.) SOIL - SOIL FORMED IN PLACE BY THE WEATHERING OF ROCK. ROCK QUALITY DESCINATION (ROD) - A MEASURE OF ROCK OUALITY DESCRIBED BY TOTAL LENGTH OF CORE					
VERY SEVERE (V SEV.) COMPLETE	TO SOME EXTENT. SO IF TESTED, WOULD Y, ALL ROCK EXCEPT O BUT MASS IS EFFEC REMAINING, SAPROLII VESTIGES OF ORIGIN. ROCK REDUCED TO SI	ME FRAGMENTS OF S <u>FELD SPT N VALUES</u> JARTZ DISCOLORED OF TIVELY REDUCED TO S E IS AN EXAMPLE OF AL ROCK FABRIC REMA DIL. ROCK FABRIC NO	FRONG ROCK USUALLY REMAIN.						
	HEJO HA EXHILE.	ROCK H	ARDNESS	RUN AND EXPRESSED AS A PERCENTAGE. <u>SAPROLITE (SAP.)</u> - RESIDUAL SOIL THAT RETAINS THE RELIC STRUCTURE OR	FABRIC OF THE PARENT				
VERY HARD HARD	Several Hard Blow Can be scratched To detach Hand Spi	S OF THE GEOLOGIST' BY KNIFE OR PICK ON ECIMEN.	LY WITH DIFFICULTY. HARD HAMMER BLOWS REQUIRED	ROCK. <u>SILL</u> - AN INTRUSIVE BODY OF IGNEOUS ROCK OF APPROXIMATELY UNIFORM T RELATIVELY THIN COMPARED WITH ITS LATERAL EXTENT, THAT HAS BEEN EMP THE BEDDING OR SCHISTOSITY OF THE INTRUDED ROCKS.	THICKNESS AND PLACED PARALLEL TO				
MODERATELY HARD		BLOW OF A GEOLOGI	DUGES OR GROOVES TO 0.25 INCHES DEEP CAN BE ST'S PICK. HAND SPECIMENS CAN BE DETACHED	SLICKENSIDE - POLISHED AND STRIATED SURFACE THAT RESULTS FROM FRIC OR SLIP PLANE. STANDARD REMETRATION TEST (REMETRATION RESISTANCE) (RET) - NUMBER OF					
MEDIUM HARD	CAN BE GROOVED OR CAN BE EXCAVATED	GOUGED 0.05 INCHES IN SMALL CHIPS TO F	DEEP BY FIRM PRESSURE OF KNIFE OR PICK POINT. EICES I INCH MAXIMUM SIZE BY HARD BLOWS OF THE	STANDARD PENETRATION TEST (PENETRATION RESISTANCE)(SPT) - NUMBER OF A 140 LB.HAMMER FALLING 30 INCHES REQUIRED TO PRODUCE A PENETRATIO WITH A 2 INCH OUTSIDE DIAMETER SPLIT SPON SAMPLER. SPT REFUSAL IS TO OR LESS THAN 0.1 FOOT PER 60 BLOWS.	N OF 1 FOOT INTO SOIL				
SOFT	FROM CHIPS TO SEVE	GOUGED READILY BY F RAL INCHES IN SIZE	NIFE OR PICK. CAN BE EXCAVATED IN FRAGMENTS BY MODERATE BLOWS OF A PICK POINT. SMALL, THIN	STRATA CORE RECOVERY (SREC.) - TOTAL LENGTH OF STRATA MATERIAL RECO TOTAL LENGTH OF STRATUM AND EXPRESSED AS A PERCENTAGE.					
VERY SOFT	CAN BE CARVED WITH OR MORE IN THICKNE FINGERNAIL.	SS CAN BE BROKEN E	WATED READILY WITH POINT OF PICK. PIECES 1 INCH Y FINGER PRESSURE. CAN BE SCRATCHED READILY BY	<u>STRATA ROCK QUALITY DESIGNATION (SROD)</u> - A MEASURE OF ROCK QUALITY L LENGTH OF ROCK SEGMENTS WITHIN A STRATUM EQUAL TO OR GREATER THAN THE TOTAL LENGTH OF STRATA AND EXPRESSED AS A PERCENTAGE. <u>TOPSOIL (TSJ</u>) - SURFACE SOILS USUALLY CONTAINING ORGANIC MATTER.	DESCRIBED BY TOTAL A 4 INCHES DIVIDED BY				
TERM	FRACTURE SPA	CING SPACING	BEDDING	BENCH MARK: N/A					
VERY WID WIDE MODERATI CLOSE VERY CLO	3 ELY CLOSE 1 0.1 DSE LESS NTARY ROCKS, INDURA	THAN 10 FEET TO 10 FEET TO 3 FEET S TO 1 FOOT THAN 0.16 FEET INDUF TION IS THE HARDEN RUBBING WITH	VERY THICKLY BEDDED 4 FEET THICKLY BEDDED 1.5 - 4 FEET THICKLY BEDDED 0.16 - 1.5 FEET VERY THINLY BEDDED 0.63 - 0.16 FEET THICKLY LAMINATED 0.000 - 0.03 FEET THICKLY LAMINATED < 0.000 FEET ATION ATION ING OF MATERIAL BY CEMENTING, HEAT, PRESSURE, ETC. FINGER FREES NUMEROUS GRAINS; 3Y HAMMER DISINTEGRATES SAMPLE.	ELEVATION NOTES: ROADWAY DESIGN FILES DATED 7/11/2021 PROVIDED BY T FIAD = FILLED IMMEDIATELY AFTER DRILLING					
MODE	RATELY INDURATED		SEPARATED FROM SAMPLE WITH STEEL PROBE: WHEN HIT WITH HAMMER.						
INDUF	ATED		FFICULT TO SEPARATE WITH STEEL PROBE: BREAK WITH HAMMER.						
EXTR	EMELY INDURATED		BLOWS REQUIRED TO BREAK SAMPLE; S ACROSS GRAINS.		DATE: 8-15-14				





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WBS	32572	2.1.FS1	0		Т	IP A-0	009CA	4	со	UNTY	GF	RAHAN	1				GEOLOGIST N	. McLar	en		
SITE	DESCR	IPTION	Upg	rade U	S 129	from So	outh of	f SR 12	75 to N	NC 14	3 and	d Upgra	ade N	IC 14	3 fror	n US	129 to SR 1223			GROUND	WTR (ft
BORI	NG NO.	CUL	/_L_4	652R	s	TATION	4 6+	+52			OFF	SET	52 ft	RT			ALIGNMENT L			0 HR.	14.5
COLI	AR EL	EV. 2,	015.7	ft	Т		DEPTH	i 30.0	ft		NOR	THING	60)7,14	5		EASTING 571,4	188		24 HR.	FIAD
ORILL	RIG/HAN	/IMER EF	F./DAT	E CG	29022 1	Abbile B-2	29 88%	03/26/20	20	1			DR	ILL ME	THO) H.S.	Augers			RTYPE A	utomatic
DRIL	LER J.	Estep			S	TART D	DATE	10/20/	20		CON	IP. DA	TE	10/2	0/20		SURFACE WAT	ER DEP	TH N/A		
ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLC 0.5ft	OW CO 0.5ft	UNT	0		BLOWS		FOOT	75	100	SA	MP. IO.	моі	L O G			CK DESC		DEPTH (
020		+														-					
015	2,014.7	- 1.0	7	29	26						-						2,014.7 Asph	alt (0.4 f	D SURFA t) and AB(C (0.6 ft)	1
	2,012.2	T 3.5	'							5	.				D		Medi	um Dens	EMBANK se to Very	Dense,	
010	2,009.7	6.0	13 11	9	11		• 9 20		 		-				D		2,010.2 SANI) (A-2-4)), with trac	e to Coarse e gravel wn, Fine to	5
	2.007.2	T 8.5	''	12	13		, **	25							М		2,007.7 Coarse Sa	ndy SILT	(A-4), wit	th trace grav	vel 8
005	<u></u>	Ŧ ^{ĭ,v}	1	WOH	1] •1			. .		:				W		Very Soft SILT (A-4), with ti	ace grave	Fine Sand	y K
000	-	ŧ							. .		1.						2,003.7		gments		12
	2,002.2	13.5	2	2	1				: :	· · ·	:	· · ·					Very Loose	, Gray-E	LUVIAL Brown-Tar	n, Silty Fine	to
000	-	ŧ				• 3 •				· · ·	: -			Ē			and o	ND (A-2. ravel-siz	-4), with t ed rock fr	race organio agments	
	1.997.2	+ 18.5				<u>'</u> -	: ר: 		· ·	· · ·	:	· · ·					1,998.7	RE:	SIDUAL		<u>17</u>
995	, <u>351.2</u>	+ 10.0	4	6	12	1 ::	- - -€18		· ·		:				М		Sandy	SILT (A	-4), with s	-Brown, Fin ome rock	е
555	-	‡							. .		:						fra	gments	and trace	mica	
	1,992.2	23.5	15	15	21	::	· ·	` <u>`</u> ``````````````````````````````````	· ·	· · ·	:	· · ·			14/						
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WBS	32572	.1.FS1	0		Т	IP A-0009CA	COUNTY	f GRAHAN	1			GEOLOGIST N. McLaren	
SITE	DESCR	IPTION	Upgi	rade U	JS 129	from South of SR 127	5 to NC 14	3 and Upgra	de NC 1	43 fron	1 US	129 to SR 1223	GROUND WTR (ft)
BORI	NG NO.	CUL\	/_L_46	653L	s	STATION 46+53		OFFSET	19 ft LT			ALIGNMENT L	0 HR. 19.3
COLL	AR ELE	V. 2,	016.1	ft	т	OTAL DEPTH 29.9 ft		NORTHING	607,2 ⁻	11		EASTING 571,513	24 HR. 12.9
RILL	RIG/HAN	MER EF	F./DAT	E CG	29022 N	Mobile B-29 88% 03/26/202	0		DRILLN	IETHOD	HS	Augers HAMM	RTYPE Automatic
RIL	ER J.	Estep			s	TART DATE 10/19/2	0	COMP. DA	TE 10/*	19/20		SURFACE WATER DEPTH N//	4
ELEV (ft)		DEPTH (ft)	BLC 0.5ft	OW CC	DUNT	BLOWS	PER FOOT		SAMP. NO.		L O G	SOIL AND ROCK DESC	
	2,015.1	F	6	4	5		· · · · ·	· · · · ·		М		2,016.1 GROUND SURF/ ROADWAY EMBANK Medium Stiff to Very Stiff, Ta Fine to Coarse Sandy SILT (MENT n-Brown-Gray.
	2,012.6-	- 3.5	2	10	13					м	-81	gravel, organics, and	d mica
010	2,010.1 <u></u>	6.0	4	5	5						-84		
	- 2.007.6-	85		ľ						М			
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	2,002.6-	13.5	3	2	4						<u>-</u> F		
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	1,997.6-	- 18.5	8	5	2					м		Loose, Tan-Brown-Gray, S	Silty, Gravelly
995	-					↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓						Fine to Coarse SAND	
	- 1,992.6-	225				. <u>.</u>						1,994.1	2
	1,992.0-	- 23.5	5	7	19					м	SSF.	Very Stiff, Tan-Gray-Browr SILT (A-4), with trac	i, Fine Sandy e mica
990		-									×t		
	- 1.987.6-	- 28.5				_ _ <u> </u> .	<u> </u>	· · · ·			<u>*</u>	1,987.6	28
		-	49	43	57/0.4	4		100/0.9	-			1,986.2 WEATHERED RC Brown-Gray (MICA S	
	-	-						100/0.9	-		-	Boring Terminated at Elevati	on 1,986.2 ft In
	-	-									F	Weathered Rock (MICA	SCHIST)
	-	-									Ę	Notes: Boulders Encountered from	18 0-18 5' and
	-	-									F	19.5-20.5'	10.0-10.5 and
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