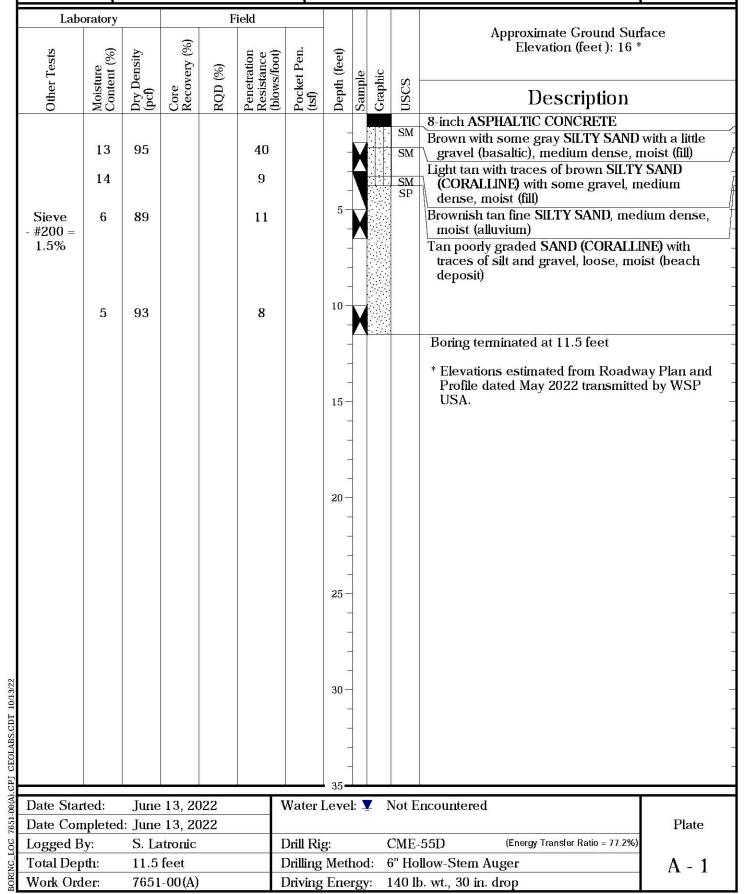


Geotechnical Engineering

KAMEHAMEHA HIGHWAY DRAINAGE AND SAFETY IMPROVEMENTS VICINITY OF MP 3.06 TO MP 3.54 WAIALUA, OAHU, HAWAII

Log of Boring





Geotechnical Engineering

KAMEHAMEHA HIGHWAY DRAINAGE AND SAFETY IMPROVEMENTS VICINITY OF MP 3.06 TO MP 3.54 WAIALUA, OAHU, HAWAII

Log of Boring

9	Labo	oratory			F	ield								
				6)								Approximate Ground Surface Elevation (feet): 14 *		
	ests	(%) e	sity	y (%	~	tion oot)	Pen.	eet)		**		Elevation (leet): 14		
ı	Other Tests	sture	Den)	e ove	RQD (%)	etra istai ws/f	ket]	Depth (feet)	Jple	Graphic	S			
	Oth	Moisture Content (%)	Dry Density (pcf)	Core Recovery (%)	RQJ	Penetration Resistance (blows/foot)	Pocket Pen. (tsf)	Dep	Sample	Gra	uscs	Description		
								12-		0	GW	7-inch ASPHALTIC CONCRETE		
ı		12	91			25		5-	V		SM	Light tan SANDY GRAVEL (CORALLINE) with a little silt, dense, moist (fill)		
ı		7				16		5 <u>—</u>			SP	Brownish tan fine to medium SILTY SAND,		
ı		::45				10		V 				medium dense, moist (alluvium) Tan poorly graded SAND (CORALLINE),		
ı		5	96			30		5-	\forall			medium dense, moist (beach deposit)		
ı								5-						
ı								9 =				,		
								19-				b		
		6	99			26		10 -						
ı		υ	33			20		5-	Δ			b		
ı								5=				Boring terminated at 11.5 feet		
ı								5=				0		
ı								15-						
ı								1-				b		
ı								5 -	ež.			9		
ı								9=				b		
ı								5-				0		
ı								20 –						
ı								5-						
ı								5-				b		
ı								B=				9		
ı								25 –	ež.					
ı								5-				0		
ı								D .				9		
ı								1-				0		
3/22								30 -						
10/1								-				v		
S.CD1								See				b		
OLAB								5-	e i			9		
PJ CE								-				b		
BORING_LOG 7651-00(A).CPJ GEOLABS.CDT 10/13/22	Date Star	ted:	June	13, 20	122		Water I	35 -	ļ. \	N	Jat E	incountered		
651-00	Date Con			- 625			rraici i	JC Y C	L) -	= I	, Ut L	Plate		
7 200	Logged B	•		tronic		1	Drill Rig	3 ;		(СМЕ	.55D (Energy Transfer Ratio = 77.2%)		
ING	Total Dep		11.5				Drilling					llow-Stem Auger A - 2		
BOR	Work Ord	er:	7651	-00(A)		1	Driving Energy: 140 lb. wt., 30 in. drop							



Geotechnical Engineering

KAMEHAMEHA HIGHWAY DRAINAGE AND SAFETY IMPROVEMENTS VICINITY OF MP 3.06 TO MP 3.54 WAIALUA, OAHU, HAWAII

Log of Boring

Labo	oratory		2	F	ield					7	8 88		
ts	%)	ıty	(%)		E e H	in.	(te				Approximate Ground Surface Elevation (feet): 13 *		
Tes	ure ent (9	ensi	very	(%)	tratic stanc	et Pe) (f е	le	hic	rΛ			
Other Tests	Moisture Content (%)	Dry Density (pcf)	Core Recovery (%)	RQD (%)	Penetration Resistance (blows/foot)	Pocket Pen. (tsf)	Depth (feet)	Sample	Graphic	nscs	Description		
		V. Wast below		7-24		No. Ventorio			ŢŢ.	SM SP-	Brown fine SILTY SAND, medium dense, dry to moist (alluvium)		
	2				8		-			SM	Light tan poorly graded fine SAND (CORALLINE) - with a little silt, loose, dry to moist (beach deposit)		
							5 –	-					
Direct Shear	23	114	0		9		-	X			grades coarser locally		
							10 —				-		
	27				12		_	H			grades to medium dense, wet		
			28				-	A			grades to incurum dense, wet		
							15 –	Ш					
	28	89			40		-	H			grades with fine gravel		
			100				-	I	0		Gray subrounded BOULDERS (BASALTIC), very dense (alluvium)		
							20 -			СН	Brown SILTY CLAY with some sand (basaltic) – and a little gravel, medium stiff (alluvium)		
LL=53 PI=29	43				7		-	1					
			61				25 —				grades with cobbles (basaltic) locally		
	47	71	99	16	50/4"		_	X			Constitution of the same and substitution DASALT		
3/22			99	10			30 —				Gray with traces of brown vugular BASALT, moderately to closely fractured, slightly weathered, hard to very hard (a'a basalt)		
UC= 12820 psi Date Star Date Com			100	47			- - -			Š	-		
GPJ GE							- 35 -		, , , ,		-		
Date Star			7, 202			Water I	Leve	l: \ <u>\</u>		2.4	n e log lagga 1 age HDC		
	•		o, 202 tronic	-L		Drill Rig	z :	- 68			tt. 06/08/2022 1805 HRS Plate -55D (Energy Transfer Ratio = 77.2%)		
Logged B Total Dep Work Ord	,	71.5				Drilling Method: 4" Solid-Stem Auger & PQ Coring A - 3.1							
Work Ord	-00(A)			Driving Energy: 140 lb. wt., 30 in. drop									



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KAMEHAMEHA HIGHWAY DRAINAGE AND SAFETY IMPROVEMENTS VICINITY OF MP 3.06 TO MP 3.54 WAIALUA, OAHU, HAWAII

Log of Boring

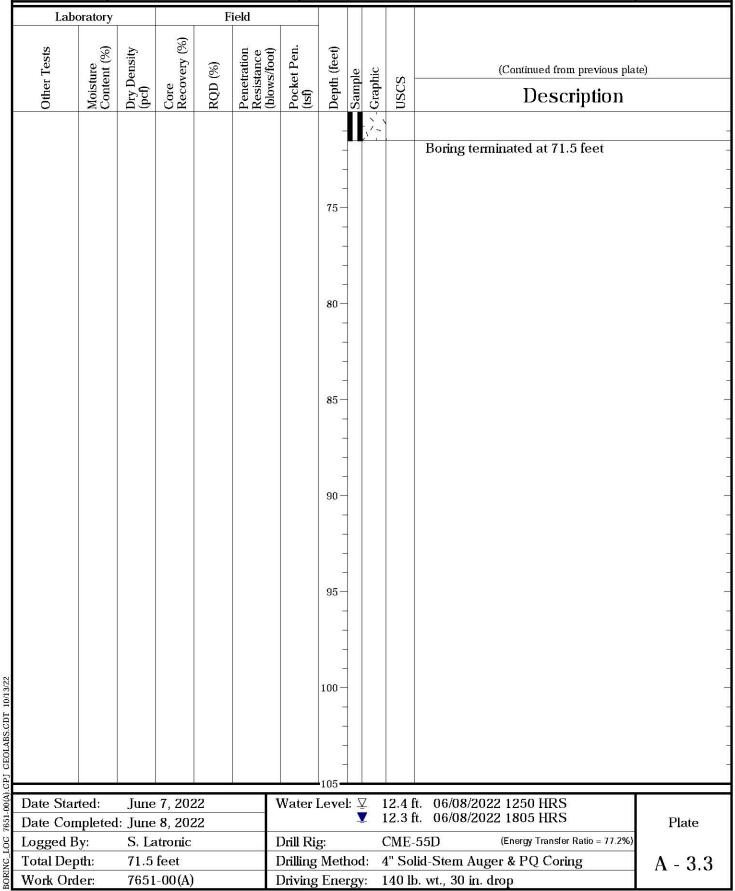
Laboratory Field													
Other Tests	Moisture Content (%)	Dry Density (pcf)	Core Recovery (%)	RQD (%)	Penetration Resistance (blows/foot)	Pocket Pen. (tsf)	Depth (feet)	Sample	Graphic	nscs	(Continued from previous plate) Description		
			57	20			U=						
			38				40 -		000000000000000000000000000000000000000	GW	Gray with some brown subangular SANDY GRAVEL (BASALTIC) with some cobbles, dense (clinker) -		
							45 -		000000	GM	Brown with some gray SILTY GRAVEL (BASALTIC) with some sand, very dense (clinker) -		
Sieve - #200 = 13.9%	24		57		52		- - - 50 –		000000				
UC= 8500 psi			63	50			-		00000		grades with cobbles (basaltic) locally		
							55 -				Gray vugular BASALT, moderately fractured, slightly weathered, hard to very hard (a'a basalt)		
			100	28			-			SM	Reddish brown with some gray SILTY SAND (BASALTIC) with some gravel, slightly cemented, dense (clinker)		
			100	15			60			35 S S S S S S S S S S S S S S S S S S S	Gray dense BASALT, moderately to closely fractured, unweathered to slightly weathered, very hard (a'a basalt)		
Date Star Date Con Logged E Total Dep Work Ord			100	72			65 - - - -				; ; ;		
Date Star	ted:	June	7, 202	22	1	Water I	70- Leve	l: ∑		2.4 f			
Date Con	npleted	l: June	8, 202					7	<u> </u>	2.3 f	t. 06/08/2022 1805 HRS Plate		
Logged B			tronic			Orill Rig			CME-55D (Energy Transfer Ratio = 77.2%)				
Total Dep		71.5 7651	teet -00(A)			Orilling Oriving					lid-Stem Auger & PQ Coring A - 3.2 b. wt., 30 in. drop		



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KAMEHAMEHA HIGHWAY DRAINAGE AND SAFETY IMPROVEMENTS VICINITY OF MP 3.06 TO MP 3.54 WAIALUA, OAHU, HAWAII

Log of Boring





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KAMEHAMEHA HIGHWAY DRAINAGE AND SAFETY IMPROVEMENTS VICINITY OF MP 3.06 TO MP 3.54 WAIALUA, OAHU, HAWAII

Log of Boring

Laboratory Field									17		
Tests	Moisture Content (%)	Dry Density (pcf)	Core Recovery (%)	(%)	Penetration Resistance (blows/foot)	Pocket Pen. (tst)	(feet)	<u>e</u> <u>:</u>	ا ا		Approximate Ground Surface Elevation (feet): 12 *
Other Tests	Moist	Dry De (pcf)	Core	RQD (%)	Penet Resist (blows	Pocke (tsf)	Depth (feet)	Sample	01a	USCS	Description
	7	, , ,	57		25/2"		S-			SM	Brownish tan with some gray SILTY SAND (CORALLINE) with a little cobbles (basaltic), medium dense, moist (fill) Gray BOULDERS (BASALTIC), very dense, dry
Direct Shear TXUU S _u =2.4 ksf Sieve	20	105	0		29	-	5- - - -			SP- SM	(fill) Tan poorly graded SAND (CORALLINE) with a little silt and traces of gravel, medium dense, moist to wet (beach deposit)
- #200 = 6.8%	21		44		12	7	^Z 10 – - Z -				grades with brown sandy silt pockets locally
	36		28		34		15 - - -		000	СН	Gray with traces of brown subrounded GRAVELLY COBBLES (BASALTIC), dense (alluvium) Reddish brown with some gray SILTY CLAY with some gravel (basaltic), hard (alluvium) Brown with grayish brown mottling CLAYEY SILT
LL=60 PI=28	60	66			20	2.0	20 -	X		МН	with a little gravel (basaltic), very stiff (alluvium) Brown with reddish brown mottling CLAYEY
$\begin{array}{c} TZUU \\ S_u=2.4 \text{ ksf} \\ UC= \\ 10460 \text{ psi} \end{array}$			98	62			- 25 -				SILT with some sand and a little gravel (basaltic), stiff (alluvium) Gray vugular BASALT, slightly fractured, slightly weathered, hard (a'a basalt)
			65	0			0= 0=			SM	Brown and gray SILTY SAND (BASALTIC) with some gravel, medium dense (clinker)
77,017,017			57	0			30 -			GW-	Brownish gray vugular BASALT, severely fractured, moderately weathered, medium hard (a'a basalt) Brown and gray SANDY GRAVEL (BASALTIC)
Date Star							- - 35 -	0.0		GM	with a little cobbles and traces of silt, medium dense (clinker)
Date Star	Date Started: June 9, 2022							l: ⊻			t. 06/09/2022 1030 HRS
Date Com	•		9, 202 tronic	22		D D.		$\overline{\Delta}$.9 ft.	1 late
Logged B Total Dep Work Ord			Drill Rig	Metl		4'	' So	(Energy Transfer Ratio = 77.2%)			
Work Ord	er	-00(A)			Driving	спе	rgy:	L	40 II	p. wt., 30 in. drop	



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KAMEHAMEHA HIGHWAY DRAINAGE AND SAFETY IMPROVEMENTS VICINITY OF MP 3.06 TO MP 3.54 WAIALUA, OAHU, HAWAII

Log of Boring

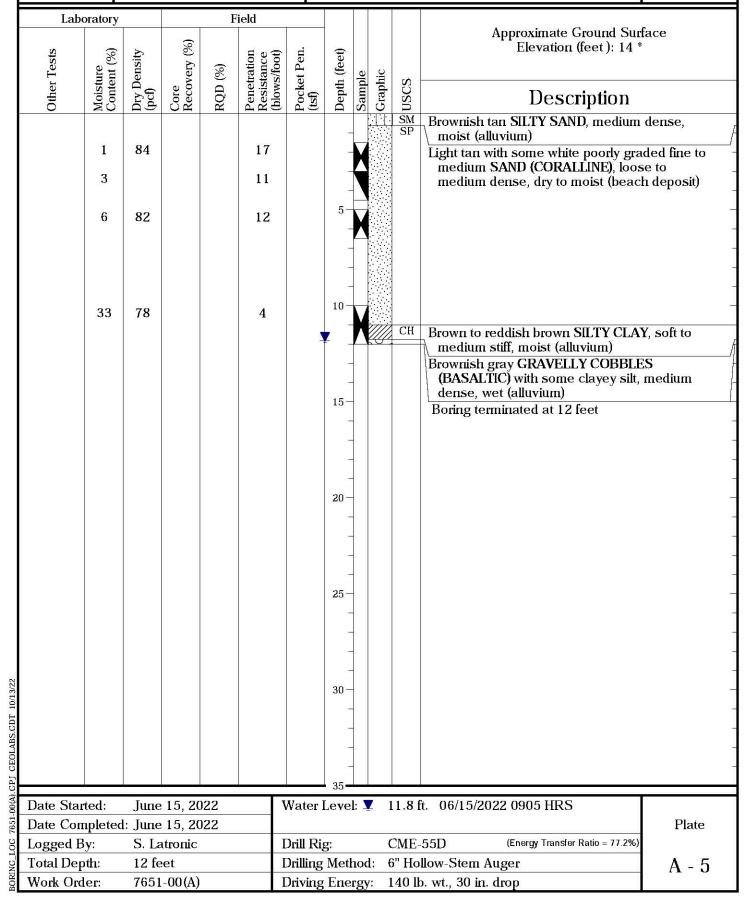
Laboratory Field								7			
Other Tests	Moisture Content (%)	Dry Density (pcf)	Core Recovery (%)	RQD (%)	Penetration Resistance (blows/foot)	Pocket Pen. (tsf)	Depth (feet)	Sample	Graphic	nscs	(Continued from previous plate) Description
	31		22		20		-		000	GW- GM	-
	21	114	9		48/6" +50/4"		- 40 - - -	X	0 1	SM	Brown with some gray SILTY SAND (BASALTIC) with some gravel and a little cobbles, very dense (clinker)
UC= 24070 psi	21		100	71	50/5"		- 45 - - -				Reddish brown with some gray cemented BASALT, moderately fractured, moderately weathered, hard (welded clinker)
UC= 13280 psi			100	73			50 - - - -		1-11-11-11	ANN TOTAL SECTION SECT	Gray dense BASALT, moderately fractured, slightly weathered, very hard (a'a basalt)
			100	60			- 55 - - - -				-
UC= 25730 psi			100	75			60 - - - -		\\\-\\\-\\\\-\\\\\\\\\\\\\\\\\\\\\\\\\	35 AND	
Date Start Date Com Logged B Total Dep Work Ord							65 -				Boring terminated at 66 feet
Date Start Date Com	Date Started: June 9, 2022 Date Completed: June 9, 2022								9	,9 ft.	1 Idic
Logged B Total Dep Work Ord	th:	66 fe	tronic et -00(A)			Drill Rig Drilling Driving	Metl		: 4		55D (Energy Transfer Ratio = 77.2%) lid-Stem Auger & PQ Coring o. wt., 30 in. drop (Energy Transfer Ratio = 77.2%) A - 4.2



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Log of Boring

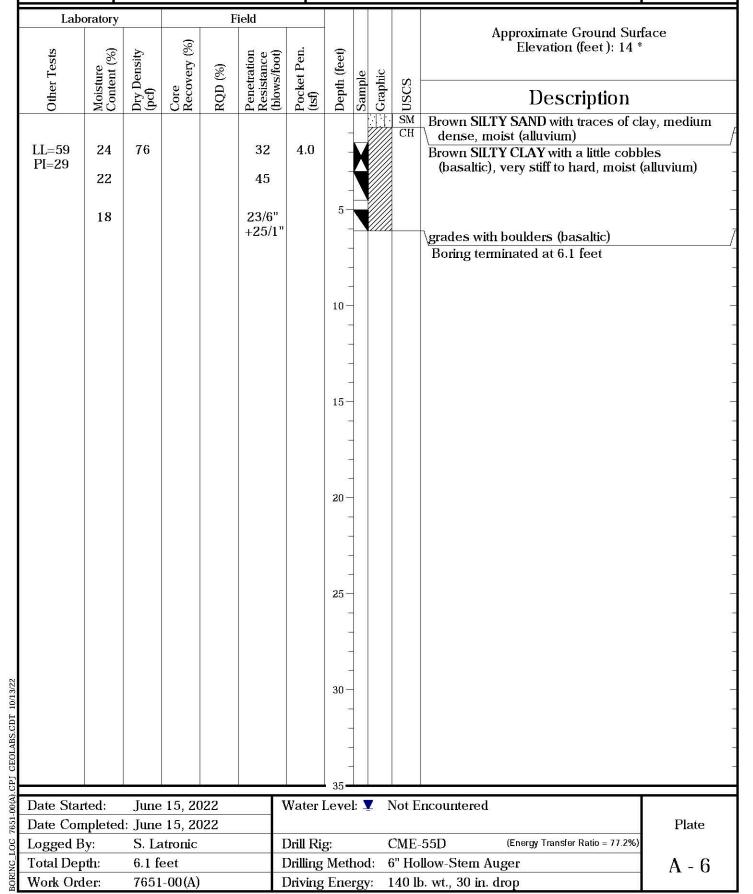




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Log of Boring

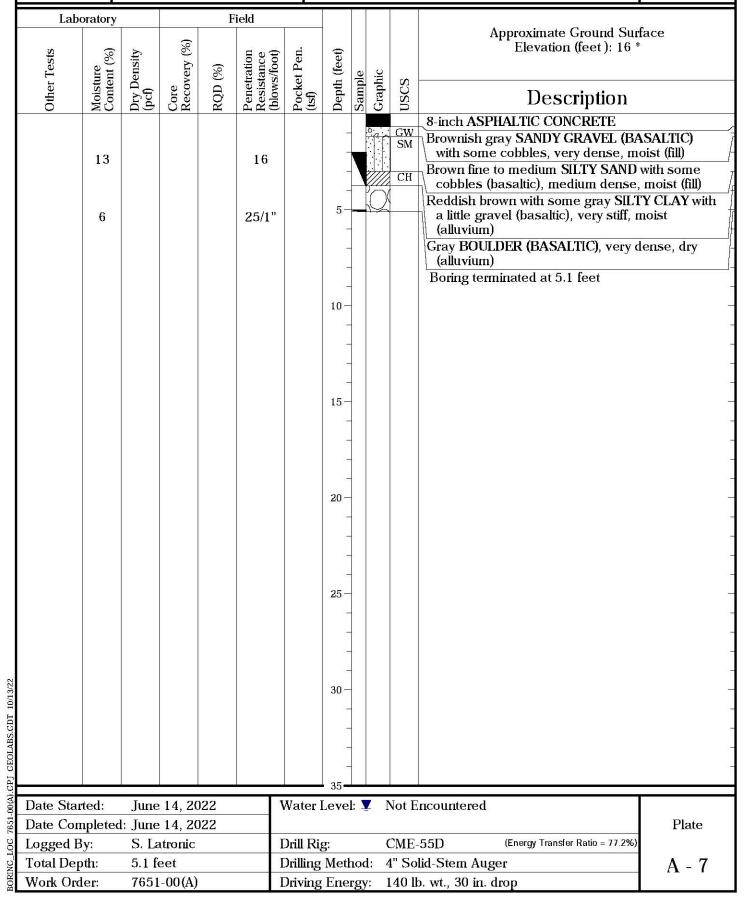




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Log of Boring





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KAMEHAMEHA HIGHWAY DRAINAGE AND SAFETY IMPROVEMENTS VICINITY OF MP 3.06 TO MP 3.54 WAIALUA, OAHU, HAWAII

Log of Boring

Approximate Ground Surface Lievation (feet): 19 * Approximate Ground Surface Lievation (feet): 19 * Description 7-inch ASPHALTIC CONCERTE Gray with some coubles and a little sand, very dense, moist (fill) Gray BOULDERS (BASALTIC), very dense, dry (fill) Gray BOULDERS (BASALTIC), very dense, dry (fill) Gray BOULDERS (BASALTIC), very dense, dry (fill) Gray BOULDERS (BASALTIC), very stiff, moist (fill) Gray BOULDERS (BASALTIC), very dense, dry (fill) Gray BOULDERS (BASALTIC), very stiff, moist (fill) Gray BOULDERS (BASALTIC) With some rounded gravel, medium dense, moist (fill) Gray BOULDERS (BASALTIC) With some gray SILTY SAND (BASALTIC) with some counteded gravel, medium dense, moist (fill) Gray BOULDERS (BASALTIC) with some counteded gravel, medium dense, moist (fill) Gray BOULDERS (BASALTIC) with some counteded gravel, medium dense, moist (fill) Gray BOULDERS (BASALTIC) with some counteded gravel, medium dense, moist (fill) Gray BOULDERS (BASALTIC) with some counteded gravel, medium dense, moist (fill) Gray BOULDERS (BASALTIC) with some counteded gravel, medium dense, moist (fill) Gray BOULDERS (BASALTIC) with some counteded gravel, medium dense, moist (fill) Gray BOULDERS (BASALTIC) with some counteded gravel, medium dense, moist (fill) Gray BOULDERS (BASALTIC) with some counteded gravel, were stiff, moist (fill) Gray BOULDERS (BASALTIC) with some counteded gravel, medium dense, moist (fill) Gray BOULDERS (BASALTIC) with some counteded gravel, medium dense, moist (fill) Gray BOULDERS (BASALTIC) with some counteded gravel, medium dense, moist (fill) Gray BOULDERS (BASALTIC) with some counteded gravel, medium dense, moist (fill) Gray BOULDERS (BASALTIC) (fill) G	Lab	oratory			Fi	ield			7		
7-inch ASPHAITIC CONCRETE Gray with some brown SILTY GRAVEL (BASALTIC) with some cobbles and a little sand, very dense, moist (iii) Gray BOULDERS (BASALTIC), very dense, dry (alluvium) Reddish brown SILTY CLAY, very stiff, moist (alluvium) Brown with some gray SILTY SAND (BASALTIC) with some rounded gravel, medium dense, moist (alluvium) Brown with gray mottling CLAYEY SILT with traces of decomposed gravel, very stiff, moist (alluvium) Boring terminated at 13 feet				_							Approximate Ground Surface
7-inch ASPHAITIC CONCRETE Gray with some brown SILTY GRAVEL (BASALTIC) with some cobbles and a little sand, very dense, moist (iii) Gray BOULDERS (BASALTIC), very dense, dry (alluvium) Reddish brown SILTY CLAY, very stiff, moist (alluvium) Brown with some gray SILTY SAND (BASALTIC) with some rounded gravel, medium dense, moist (alluvium) Brown with gray mottling CLAYEY SILT with traces of decomposed gravel, very stiff, moist (alluvium) Boring terminated at 13 feet	Sts	%	ify	%)		of) ge di	en.	et)			Elevation (feet): 19 *
7-inch ASPHAITIC CONCRETE Gray with some brown SILTY GRAVEL (BASALTIC) with some cobbles and a little sand, very dense, moist (iii) Gray BOULDERS (BASALTIC), very dense, dry (alluvium) Reddish brown SILTY CLAY, very stiff, moist (alluvium) Brown with some gray SILTY SAND (BASALTIC) with some rounded gravel, medium dense, moist (alluvium) Brown with gray mottling CLAYEY SILT with traces of decomposed gravel, very stiff, moist (alluvium) Boring terminated at 13 feet	Te	ure	ens	very	(%)	trati tan s/fo	et P	ı (fe	lic le	r o	
7-inch ASPHAITIC CONCRETE Gray with some brown SILTY GRAVEL (BASALTIC) with some cobbles and a little sand, very dense, moist (iii) Gray BOULDERS (BASALTIC), very dense, dry (alluvium) Reddish brown SILTY CLAY, very stiff, moist (alluvium) Brown with some gray SILTY SAND (BASALTIC) with some rounded gravel, medium dense, moist (alluvium) Brown with gray mottling CLAYEY SILT with traces of decomposed gravel, very stiff, moist (alluvium) Boring terminated at 13 feet	ther	oist	P. D.	ore eco	60	enel esis	ocke	eptł	amp rapl	SCS	Description
15 88 80 25/3" 38 38 38 38 38 38 38 39 30 30 30 30 30 30 30 30 30 30 30 30 30	0	ΣŬ	_ರ್ತ	ರಜ	ž	<u> ಇ</u> ಇಕ	<u>7</u>	Ď	S C	Ď	tag
15 88 80 25/3"								- to-	0	_s GM	
Gray BOULDERS (BASALTIC), very dense, dry (alluvium) SM Beddish prown SILTY CLAY, very stiff, moist (alluvium) SM Brown with some gray SILTY SAND (BASALTIC) with some rounded gravel, medium dense, moist (alluvium) ML Brown with gray mottling CLAYEY SILT with traces of decomposed gravel, very stiff, moist (alluvium) Boring terminated at 13 feet		15	88			25/3"		D-	X.04	1	(BASALTIC) with some cobbles and a little
38 63 17 CH Reddish brown SILTY CLAY, very stiff, moist (alluvium) SM Brown with some gray SILTY SAND (BASALTIC) with some rounded gravel, medium dense, moist (alluvium) ML Brown with gray mottling CLAYEY SILT with traces of decomposed gravel, very stiff, moist (alluvium) Boring terminated at 13 feet 20 25 25 25 26 27 28 28 29 20 25 20 20 25 26 27 28 28 29 20 20 20 20 20 20 20 20 20				80				De-		X	
88 63 63 63 63 63 63 63 63 63 63 63 63 63								- O-	75	7	
(alluvium) SM Brown with some gray SILTY SAND (BASALTIC) with some on ounded gravel, medium dense, moist (alluvium) ML Brown with gray mottling CLAYEY SILT with traces of decomposed gravel, very stiff, moist (alluvium) Boring terminated at 13 feet		20				17		5 –		СН	
SM Brown with some gray SILTY SAND (BASALTIC) with some rounded gravel, medium dense, moist (alluvium) ML Brown with gray mottling CLAYEY SILT with traces of decomposed gravel, very stiff, moist (alluvium) Boring terminated at 13 feet		Jo				17		0-			
ML Brown with gray mottling CLAYEY SILT with traces of decomposed gravel, very stiff, moist (alluvium) Boring terminated at 13 feet				62				5=		· SM	Brown with some gray SILTY SAND (BASALTIC)
43 21 ML Brown with gray mottling CLAYEY SILT with traces of decomposed gravel, very stiff, moist (alluvium) Boring terminated at 13 feet 20 25 25 25 25 25 26 27 28 29 20 20 20 20 20 20 20 20 20				0.5				D=			
Brown with gray mottling CLAYEY SILT with traces of decomposed gravel, very stiff, moist (alluvium) Boring terminated at 13 feet 20								- O-			(audvidin)
traces of decomposed gravel, very stiff, moist (alluvium) Boring terminated at 13 feet 20 – 25 – 25 –								10 -		MI	Decree with more motiling Of AVEV OF T 21
(alluvium) Boring terminated at 13 feet		49				21		0 -		WIL	traces of decomposed gravel, very stiff, moist
20 –		45				21		D-	- N		(alluvium)
20 –								-	Щ		D 1 - 1 1 2 f 1
20-								S=			bonng temmated at 15 feet
								15-	-		-
								0 -	-		9
								5=			9
								5 -	-0		9
								S=			9
								20 -	-d		-
								D-			b
								5=			9
								D=			9
								D-			9
Date Started: June 14, 2022 Date Completed: June 14, 2022 Logged By: S. Latronic Total Depth: 13 feet Drill Rig: CME-55D (Energy Transfer Ratio = 77.2%) Drilling Method: 4" Solid-Stem Auger & PQ Coring Work Order: 7651-00(A) Driving Energy: 140 lb. wt., 30 in. drop								25 -	-		-
Date Started: June 14, 2022 Date Completed: June 14, 2022 Logged By: S. Latronic Total Depth: 13 feet Work Order: 7651-00(A) Date Started: June 14, 2022 Water Level: ▼ Not Encountered Plate Plate A - 8 Priving Energy: 140 lb. wt., 30 in. drop								0 -	-		9
Date Started: June 14, 2022 Date Completed: June 14, 2022 Logged By: S. Latronic Total Depth: 13 feet Work Order: 7651-00(A) Driving Energy: 140 lb. wt., 30 in. drop								D-	-		9
Date Started: June 14, 2022 Date Completed: June 14, 2022 Logged By: S. Latronic Total Depth: 13 feet Work Order: 7651-00(A) Date Started: June 14, 2022 Plate Plate Plate A - 8 Drilling Method: 4" Solid-Stem Auger & PQ Coring Work Order: 7651-00(A) Driving Energy: 140 lb. wt., 30 in. drop								5-	4		ы
Date Started: June 14, 2022 Date Completed: June 14, 2022 Logged By: S. Latronic Total Depth: 13 feet Work Order: 7651-00(A) Date Started: June 14, 2022 Plate Plate A - 8								10-			9
Date Started: June 14, 2022 Water Level: ▼ Not Encountered Date Completed: June 14, 2022 Plate Logged By: S. Latronic Drill Rig: CME-55D (Energy Transfer Ratio = 77.2%) Total Depth: 13 feet Drilling Method: 4" Solid-Stem Auger & PQ Coring A - 8 Work Order: 7651-00(A) Driving Energy: 140 lb. wt., 30 in. drop	3/22							30 -	<u>-</u> E		-
Date Started: June 14, 2022 Water Level: ▼ Not Encountered Date Completed: June 14, 2022 Logged By: S. Latronic Drill Rig: CME-55D (Energy Transfer Ratio = 77.2%) Total Depth: 13 feet Drilling Method: 4" Solid-Stem Auger & PQ Coring Work Order: 7651-00(A) Driving Energy: 140 lb. wt., 30 in. drop	10/1							0-			District the state of the state
Date Started: June 14, 2022 Water Level: ▼ Not Encountered Date Completed: June 14, 2022 Logged By: S. Latronic Drill Rig: CME-55D (Energy Transfer Ratio = 77.2%) Total Depth: 13 feet Drilling Method: 4" Solid-Stem Auger & PQ Coring A - 8 Work Order: 7651-00(A) Driving Energy: 140 lb. wt., 30 in. drop	COL							5-	-		is the state of th
Date Started: June 14, 2022 Water Level: ▼ Not Encountered Date Completed: June 14, 2022 Plate Logged By: S. Latronic Drill Rig: CME-55D (Energy Transfer Ratio = 77.2%) Total Depth: 13 feet Drilling Method: 4" Solid-Stem Auger & PQ Coring Work Order: 7651-00(A) Driving Energy: 140 lb. wt., 30 in. drop	TABS							5=			U U
Date Started: June 14, 2022 Water Level: ▼ Not Encountered Date Completed: June 14, 2022 Plate Logged By: S. Latronic Drill Rig: CME-55D (Energy Transfer Ratio = 77.2%) Total Depth: 13 feet Drilling Method: 4" Solid-Stem Auger & PQ Coring A - 8 Work Order: 7651-00(A) Driving Energy: 140 lb. wt., 30 in. drop	CEO							-			U
Date Started: June 14, 2022 Date Completed: June 14, 2022 Logged By: S. Latronic Total Depth: 13 feet Work Order: 7651-00(A) Water Level: ▼ Not Encountered Plate CME-55D (Energy Transfer Ratio = 77.2%) Drilling Method: 4" Solid-Stem Auger & PQ Coring A - 8	3							35-			
Date Completed: June 14, 2022 Logged By: S. Latronic Drill Rig: CME-55D (Energy Transfer Ratio = 77.2%) Total Depth: 13 feet Drilling Method: 4" Solid-Stem Auger & PQ Coring Work Order: 7651-00(A) Driving Energy: 140 lb. wt., 30 in. drop	Date Star	rted:	June	14, 20	022	1	Water l	17537300001	l: 🔻	Not I	Encountered
Logged By: S. Latronic Drill Rig: CME-55D (Energy Transfer Ratio = 77.2%) Total Depth: 13 feet Drilling Method: 4" Solid-Stem Auger & PQ Coring Work Order: 7651-00(A) Driving Energy: 140 lb. wt., 30 in. drop	Date Con			12/1					-		
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