
APPENDIX A

Project: **Site Improvements at
DOT Kahului Baseyard**
Project Location: **Kahului, Maui, Hawaii**
Project Number: **031620-00**

Kokua Geotech LLC
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Key to Logs of Borings

Sheet 1 of 1

Elevation (feet)	Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	U.S.C.S	Graphic Log	MATERIAL DESCRIPTION	Pocket Pen./Torvane, tsf	Water Content, %	Dry Unit Weight, pcf	Remarks and Other Tests
1	2	3	4	5	6	7	8	9	10	11	12

COLUMN DESCRIPTIONS








- | | |
|---|--|
| <p>1 Elevation (feet): Elevation (MSL, feet).</p> <p>2 Depth (feet): Depth in feet below the ground surface.</p> <p>3 Sample Type: Type of soil sample collected at the depth interval shown.</p> <p>4 Sample Number: Sample identification number.</p> <p>5 Sampling Resistance, blows/ft: Number of blows to advance driven sampler one foot (or distance shown) beyond seating interval using the hammer identified on the boring log.</p> <p>6 U.S.C.S: Type of material encountered.</p> <p>7 Graphic Log: Graphic depiction of the subsurface material encountered.</p> <p>8 MATERIAL DESCRIPTION: Description of material encountered. May include consistency, moisture, color, and other descriptive text.</p> | <p>9 Pocket Pen./Torvane, tsf: the reading from Pockect Penetrometer or Torvane.</p> <p>10 Water Content, %: Water content of the soil sample, expressed as percentage of dry weight of sample.</p> <p>11 Dry Unit Weight, pcf: Dry weight per unit volume of soil sample measured in laboratory, in pounds per cubic foot.</p> <p>12 Remarks and Other Tests: Other Tests</p> |
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FIELD AND LABORATORY TEST ABBREVIATIONS







CHEM: Chemical tests to assess corrosivity
COMP: Compaction test
CONS: One-dimensional consolidation test
LL: Liquid Limit, percent

PI: Plasticity Index, percent
SA: Sieve analysis (percent passing No. 200 Sieve)
UC: Unconfined compressive strength test, Qu, in ksf
WA: Wash sieve (percent passing No. 200 Sieve)






MATERIAL GRAPHIC SYMBOLS

	Asphaltic Concrete (AC)		Poorly graded GRAVEL with Silt (GP-GM)
	Basalt Rock Formation		SILT, SILT w/SAND, SANDY SILT (ML)
	Lean CLAY, CLAY w/SAND, SANDY CLAY (CL)		Silty SAND (SM)
			Poorly graded SAND with Silt (SP-SM)

TYPICAL SAMPLER GRAPHIC SYMBOLS

	Auger sampler		3-inch OD Modified California w/ brass liners		Probing w/ Pointed Tip
	Grab Sample		PQ Coring		2-inch OD unlined split spoon (SPT)

OTHER GRAPHIC SYMBOLS

-  Water level (at time of drilling, ATD)
-  Water level (after waiting)
-  Minor change in material properties within a stratum
-  Inferred/gradational contact between strata
-  Queried contact between strata

GENERAL NOTES

- 1: Soil classifications are based on the Unified Soil Classification System. Descriptions and stratum lines are interpretive, and actual lithologic changes may be gradual. Field descriptions may have been modified to reflect results of lab tests.
- 2: Descriptions on these logs apply only at the specific boring locations and at the time the borings were advanced. They are not warranted to be representative of subsurface conditions at other locations or times.

Project: Site Improvements at DOT Kahului Baseyard	Kokua Geotech LLC 94-974 Pakela Street, Suite 109 Waipahu, HI 96797 (808) 397-6974	Log of Boring No. 2 Sheet 1 of 1
Project Location: Kahului, Maui, Hawaii		
Project Number: 031620-00		

Date(s) Drilled 7/15/2020	Logged By SL	Checked By AJF/TL
Drilling Method CF Auger	Drill Bit Size/Type 4-inch Solid Stem Auger	Total Depth of Borehole 11.2 feet
Drill Rig Type Mobile B-53	Drilling Contractor Island Geotech	Approximate Surface Elevation +30 feet MSL*
Groundwater Level and Date Measured Not Encountered	Sampling Method(s) MCS & SPT	Hammer Data 140 lbs. with 30-inch drop
Borehole Backfill Soil Cuttings and AC	Location See Site Plan (Plate 2)	

Elevation (feet)	Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	U.S.C.S	Graphic Log	MATERIAL DESCRIPTION	Pocket Pen./Torvane, tsf	Water Content, %	Dry Unit Weight, pcf	Remarks and Other Tests
30	0						3" ASPHALTIC CONCRETE				
			1	19	GP-GM SM		Brown and gray SANDY GRAVEL with traces of silt, medium dense, moist (base material)				
			2	12			Brown and tan SILTY SAND, medium dense, moist (alluvium)		10		
							grades to loose		23	93	Sw.= 0.5%
25	5		3	11	CL		Brown SANDY CLAY, stiff, moist (alluvium)				
								>4.5	30		LL=39, Pl=15
20	10		4	54/11" +20/0" Ref.			grades with more sand		28	74	
							Gray BASALT, moderately weathered, hard (basalt rock formation)				
							Boring terminated at approximately 11.2 feet below the existing ground surface				
15	15										
10	20										