

DRAWN BY kaf

PROJECT Culvert Replacement, Hawaii Belt Road JOB No. 8950-013

18

22

BORING LOGS LEGEND:

☐ - Sample lost during extraction

□ - Standard penetration test sample

(2-inch diameter split-spoon sampler)

DRIVING ENERGY: 140-lb. dropping 30 inches

□ Disturbed sample

I - Core run

Relatively undisturbed sample (3.3-inch diameter)

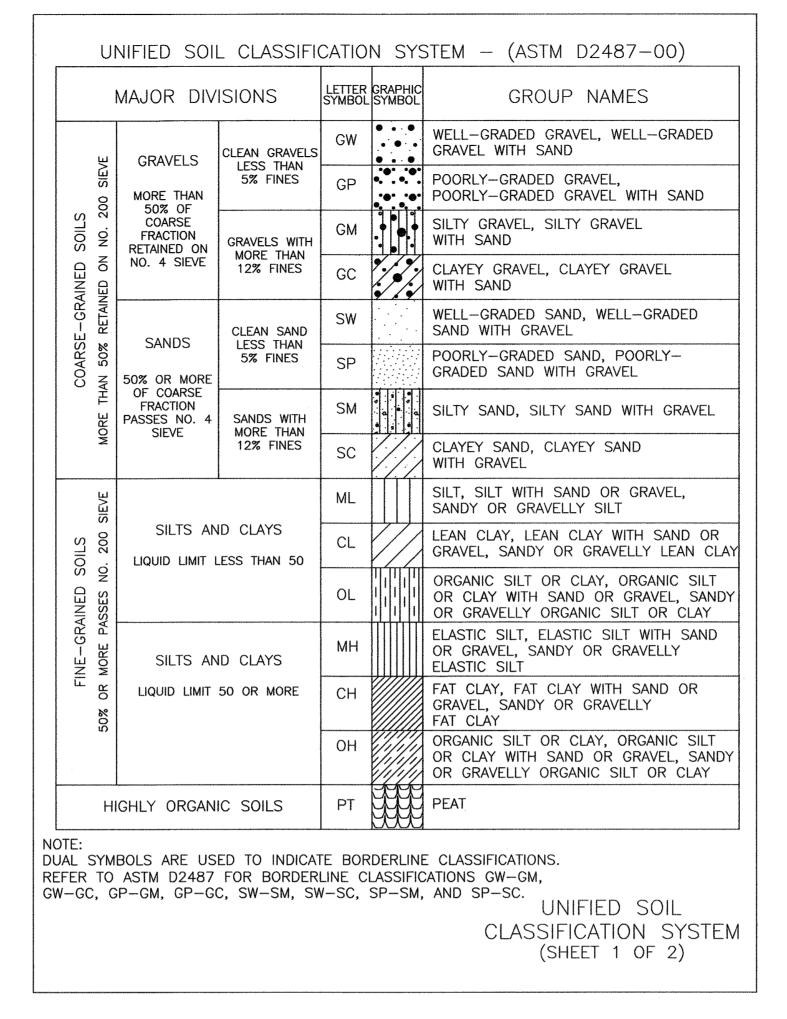
LOCATION Hilo, Hawaii

39 81

65 62

70 61

LAB DATA | CORE INFO



				GRAL	ATION						1	
	MAT	ΓERIAI	L				CLE SIZE UPPER LIMIT				Presument	
	SIZE SAND FINE MEDIUM COARSE			MILLIMETERS	ER LIMIT	SIEVE SIZE **				SIEVE SIZE **		
				0.075 0.425 2.00	#20 #40	#200 ** #40 ** #10 **		0.425 2.00 4.75		#40 ** #10 ** #4 **		
		- FINE COAR	SE.	4.75 19.0		#4 ** 3/4" *		19.0 75.0		3/4" * 3" *		
	COBB	LES		75.0	3"	*	30	00	12"	*		
	BOUL	DERS		300	12"	*	-					
	**	U.S.	STANE	DARD SIEVE	-	* SQ	UARE (PENIN	igs			
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PLASTICITY INDEX (PI)	-						1. K. //				_	
≥ 30												
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() 10	20 F0	OR CI	LASSIFICATI AND FINE—	QUID LII ON OF	MIT (LI FINE—(FRAC	GRAINE TION (D SOI	00 10 LS	0 1	10	
NOTE: WHEN SHOWN CONSISTENCY												
<u>COH</u> APPROXIMATE S	ESIVE S		_	N KSF	VERY		SIONLI E			RE L	JSUALLY	
VERY SOFT SOFT MEDIUM STIFI STIFF	F	0.2	S TH 5 TO TO TO :	1.0	LOOSE	E M DE E	NSE	BA Of PE	ASED C SOIL ENETRA	N AN SAM TION	N EXAMIN	NCE,

VERY STIFF

2.0 TO 4.0

GREATER THAN 4.0

DATE	2	2 2	*	
SURVEY PLOTTED BY	DRAWN BY	TRACED BY DESIGNED BY	QUANTITIES BY	CHECKED BY " -
AL	_	OOK		

<u>NOTES:</u>

BORING 1 (Page 1 of 1)

DESCRIPTION

Dark brown elastic silt, medium stiff, with some basaltic

Mottled brown and yellowish brown elastic silt, medium

grades yellowish brown and with some basaltic

grades stiff and with increasing gravel content

grades mottled dark grayish brown and black

(Water level at 1215 hours on 12-29-03)

Mottled dark gray and brown basaltic gravel, very

Boring completed at 21.0 feet on 12-29-03.

dense, saturated

SURFACE ELEVATION +245 + Feet

- 1. The logs of borings indicate the subsurface and groundwater conditions encountered only at the locations where the borings were drilled and at the times designated on the logs, and may not represent conditions at other locations or at other times. Subsurface and groundwater conditions may change with the passage of time, improvements constructed at the property, and changes in surface drainage and irrigation patterns.
- 2. The boring logs are furnished for the convenience of the bidder. No assurance is given that the subsurface or groundwater conditions shown on the boring logs are representative of the conditions to be encountered during construction. The bidder is solely responsible for all assumptions, deductions, or conclusions which he may make or derive from his examination of the subsurface information and data furnished herein.

UNIFIED SOIL

CLASSIFICATION SYSTEM

(SHEET 2 OF 2)

EarthTech
A Tyco International Ltd. Company

LICENSED PROFESSIONAL ENGINEER

No. 6198—C

EXPIRATION DATE OF THE LICENSE 4/30/2006

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

BORING LOG

<u>HAWAII BELT ROAD DRAINAGE</u> <u>MPROVEMENTS</u>

Project No. 19GHJ-01-05M

Scale: **As Shown**

STATE

HAW

PROJ. NO.

19GHJ-01-05M

YEAR

2006

NO.

SHEETS

Date: **Apr 14, 2006**

SHEET No. C5.1 OF 39 SHEETS