

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1-(73)	1996	22	42

PROJECT DOT, Halawa Prison JOB No. 04408-155-011
LOCATION Honolulu, Oahu, Hawaii DRAWN BY JB (6-21-93)

BORING 1

SURFACE ELEVATION 203 ± Feet
DATUM Mean Sea Level

LAB DATA		CORE INFO			BLOWS/FT.	SAMPLE DEPTH (feet)	GRAPHIC LOG	SOIL CLASS	DESCRIPTION
MOISTURE CONTENT %	DRY DENSITY (pcf)	RQD % or (RQI) %	RECOVERY %	CORE TYPE					
22.7	89.6				34	■		ML	Dark brown sandy silt with some weathered basalt gravel, medium dense, dry to slightly moist (fill)
					67	⊗			
					50/1"	□		GM	Brown sandy salty basalt gravel, cobbles & boulders, dense (old alluvium)
									(Water level at 1035 hours on 06-17-93)
									very dense cobble and boulder layer between 7 to 15 ft.
41.7	79.3				15	■		ML GM	Brown & gray sandy silt & silty weathered basalt gravel, medium stiff-medium dense, (highly weathered old alluvium)

Boring completed at 16.5 feet on 06-17-93

PROJECT DOT, Halawa Prison JOB No. 04408-155-011
LOCATION Honolulu, Oahu, Hawaii DRAWN BY JB (6-21-93)

BORING 3

SURFACE ELEVATION 230 ± Feet
DATUM Mean Sea Level

LAB DATA		CORE INFO			BLOWS/FT.	SAMPLE DEPTH (feet)	GRAPHIC LOG	SOIL CLASS	DESCRIPTION
MOISTURE CONTENT %	DRY DENSITY (pcf)	RQD % or (RQI) %	RECOVERY %	CORE TYPE					
					31	■		MH GM	Dark brown silt and weathered basalt gravel, medium stiff-medium dense, slightly moist (old alluvium)
					50/2"	□			
					10/0				Dense cobble and boulder layer between 7 to 10 feet.

Boring completed at 10.0 feet on 06-17-93
Ground water not encountered

PROJECT DOT, Halawa Prison JOB No. 04408-155-011
LOCATION Honolulu, Oahu, Hawaii DRAWN BY JB (6-21-93)

BORING 2

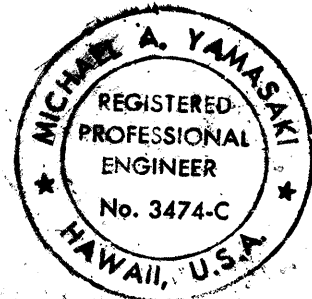
SURFACE ELEVATION 216 ± Feet
DATUM Mean Sea Level

LAB DATA		CORE INFO			BLOWS/FT.	SAMPLE DEPTH (feet)	GRAPHIC LOG	SOIL CLASS	DESCRIPTION
MOISTURE CONTENT %	DRY DENSITY (pcf)	RQD % or (RQI) %	RECOVERY %	CORE TYPE					
					85	■		GM	Dark brown silty gravel with some coarse sands, medium dense, dry to slightly moist (fill)
									very dense cobble and Boulder layer between 4 to 7 feet
					13	■		MH ML	Dark brown to reddish brown silt, medium stiff with some gravel, slightly moist, (recent alluvium)
					88/1"	■			boulder between 11 and 12 feet.
					59	■		ML GM	Brown and gray sandy silt and weathered basalt gravel, medium stiff-medium dense, slightly moist. (old alluvium)
					50/3	□			

Boring completed at 20.3 feet on 06-16-93
Ground water not encountered

NOTES:

- - Relatively undisturbed sample
 - ⊗ - Disturbed sample
 - - Sample lost during extraction
 - - Standard penetration test sample (split-spoon sampler)
 - ⊗ - Standard penetration test sample no recovery
 - I - Core run
- DRIVING ENERGY: 140-lb. weight dropping 30 inches
FOR LOCATION OF BORINGS, SEE GEOMETRIC PLANS



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
Michael A. Yamashita

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HALAWA JAIL ACCESS ROAD

LOG OF BORINGS

INTERSTATE ROUTE H-3
F.A.I. PROJ. I-H3-1 (73)

DATE: JAN. 1996

SHEET No. P1 OF 42 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1-(73)	1996	225-1	42

PROJECT <u>DOT, Halawa Prison</u>		JOB No. <u>04408-155-011</u>		BORING 4				
LOCATION <u>Honolulu, Oahu, Hawaii</u>		DRAWN BY <u>JB (6-21-93)</u>		SURFACE ELEVATION <u>225</u> ± Feet DATUM <u>Mean Sea Level</u>				
LAB DATA		CORE INFO		BLOWS/FT.	SAMPLE DEPTH (feet)	GRAPHIC LOG	SOIL CLASS	DESCRIPTION
MOISTURE CONTENT %	DRY DENSITY (pcf)	RQD % or (RQI) %	RECOVERY %					
18.7	78.3				50/2"		GM ML	Dark brown silt and weathered basalt gravel, medium dense-medium stiff, dry to slightly moist (fill)
					54			very dense cobble and boulder between layers at 6 to 8 feet.
45.8	75.0				29		MH ML	Dark brown silt with gravel, soft to medium stiff
					50/3"			
							GM	Brown and gray silty weathered basalt gravel, dense, moist (old alluvium) (Water level at 1015 hours on 06-16-93)
					50/3"			
Boring completed at 20.3 feet on 06-16-93								

PROJECT <u>DOT, Halawa Prison</u>		JOB No. <u>04408-155-011</u>		BORING 6				
LOCATION <u>Honolulu, Oahu, Hawaii</u>		DRAWN BY <u>JB (6-21-93)</u>		SURFACE ELEVATION <u>240</u> ± Feet DATUM <u>Mean Sea Level</u>				
LAB DATA		CORE INFO		BLOWS/FT.	SAMPLE DEPTH (feet)	GRAPHIC LOG	SOIL CLASS	DESCRIPTION
MOISTURE CONTENT %	DRY DENSITY (pcf)	RQD % or (RQI) %	RECOVERY %					
					117/8"		GM CH	Dark brown clayey silt and basalt gravel and cobbles, dense, dry to slightly moist with pocket of gray silty clay.
					50/1"			
Boring completed at 5 feet on 06-17-93 Ground water not encountered								

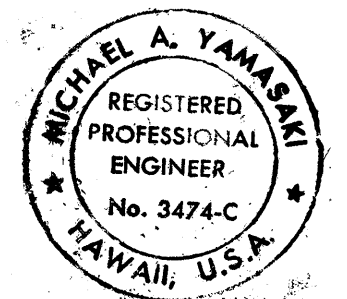
PROJECT <u>DOT, Halawa Prison</u>		JOB No. <u>04408-155-011</u>		BORING 5				
LOCATION <u>Honolulu, Oahu, Hawaii</u>		DRAWN BY <u>JB (6-21-93)</u>		SURFACE ELEVATION <u>236</u> ± Feet DATUM <u>Mean Sea Level</u>				
LAB DATA		CORE INFO		BLOWS/FT.	SAMPLE DEPTH (feet)	GRAPHIC LOG	SOIL CLASS	DESCRIPTION
MOISTURE CONTENT %	DRY DENSITY (pcf)	RQD % or (RQI) %	RECOVERY %					
16.2	93.2				92		ML	Dark brown sandy silt, medium dense, dry to slightly moist, material contains decomposing rock (fill) with cobbles and boulders.
					76/7"			Dark brown sandy silty basalt gravel, cobbles and boulders, very dense (fill).
					118/7"		GM	Dark brown silty gravel, cobbles and boulders, dense, dry to slightly moist (old alluvium).
					50/2"			
Boring completed at 15.0 feet on 06-17-93 Ground water not encountered								

NOTES:

- - Relatively undisturbed sample
- ⊠ - Disturbed sample
- - Sample lost during extraction
- ▣ - Standard penetration test sample (split-spoon sampler)
- ⊞ - Standard penetration test sample no recovery
- I - Core run

DRIVING ENERGY: 140-lb. weight dropping 30 inches

FOR LOCATION OF BORINGS, SEE GEOMETRIC PLANS



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HIGHWAYS DIVISION
HALAWA JAIL ACCESS ROAD
LOG OF BORINGS
INTERSTATE ROUTE H-3
F.A.I. PROJ. I-H3-1 (73)
DATE: JAN. 1996

SHEET No. PIA OF 42 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1-(73)	1996	225-2	42

LAB DATA		CORE INFO		BLOWS/FT.	SAMPLE	DEPTH (feet)	GRAPHIC LOG	SOIL CLASS	DESCRIPTION
MOISTURE CONTENT %	DRY DENSITY (pcf)	RQD %	RECOVERY %						
				98	■	5		GM	Dark brown to dark gray clayey sandy fine to coarse basaltic gravel cobbles and occasional boulders, medium dense (Recent alluvium or fill)
				47	■				
				177/9"	■	10		GM ML	Mottled gray and brownish yellow to yellowish red clayey sandy subrounded basaltic gravel, dense to very dense (Old alluvium)
				100/3"	■	15			
		0	54			20			grades with numerous cobbles and boulders
		0	50			25			
				87	■			SM	Dark brown to gray silty clayey fine to coarse grained basaltic sand, dense (Highly weathered a'a clinkers)
				140	■	30			grades to a mottled reddish brown and dark brown to dark gray clayey silty sandy gravel, very dense (Weathered a'a clinker)
				188/10"	■	35			grades less weathered with depth
		0	49			40			Gray highly fractured weathered basalt (Core of a'a flow)
		40	90			45			grades massive and less fractured and weathered
									Brown and gray welded a'a clinker (Weathered)

BORING 7-95

SURFACE ELEVATION 229 ± Feet

DATUM Mean Sea Level

Boring completed at 47.0 feet on 06-07-95

Groundwater not encountered

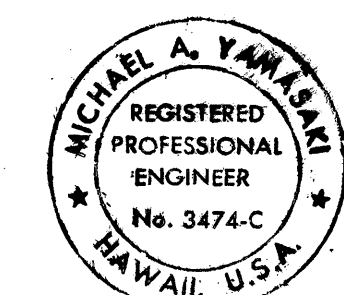
NOTES:

- ☒ - Relatively undisturbed sample
- ☒ - Disturbed sample
- ☐ - Sample lost during extraction
- ☒ - Standard penetration test sample (split-spoon sampler)
- ☒ - Standard penetration test sample no recovery

I - Core run

DRIVING ENERGY: 140-lb. weight dropping 30 inches

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LOG OF BORINGS

INTERSTATE ROUTE H-3
F.A.I. PROJ. I-H3-1 (73)

DATE: JAN. 1996

SHEET No. **PIB** OF 42 SHEETS

225-2

ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE _____
NOTE BOOK	DRAWN BY _____
	TRACED BY _____
	DESIGNED BY _____
	QUANTITIES BY _____
No. _____	CHECKED BY _____