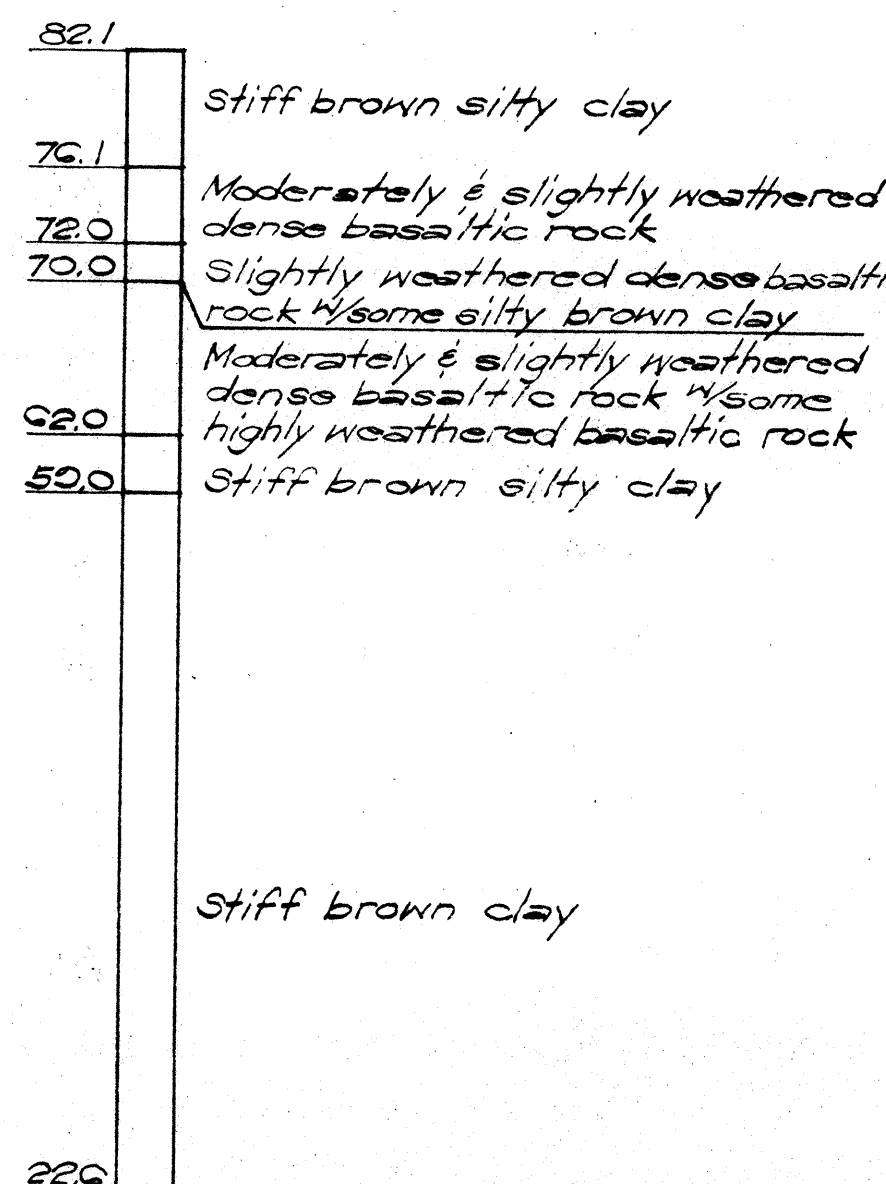


NOTE:
Borings B-31 and B-32 are outside
the limits of this project.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(64)-12 Unit 1	1969	15	158
		I-HI-1(16)11			

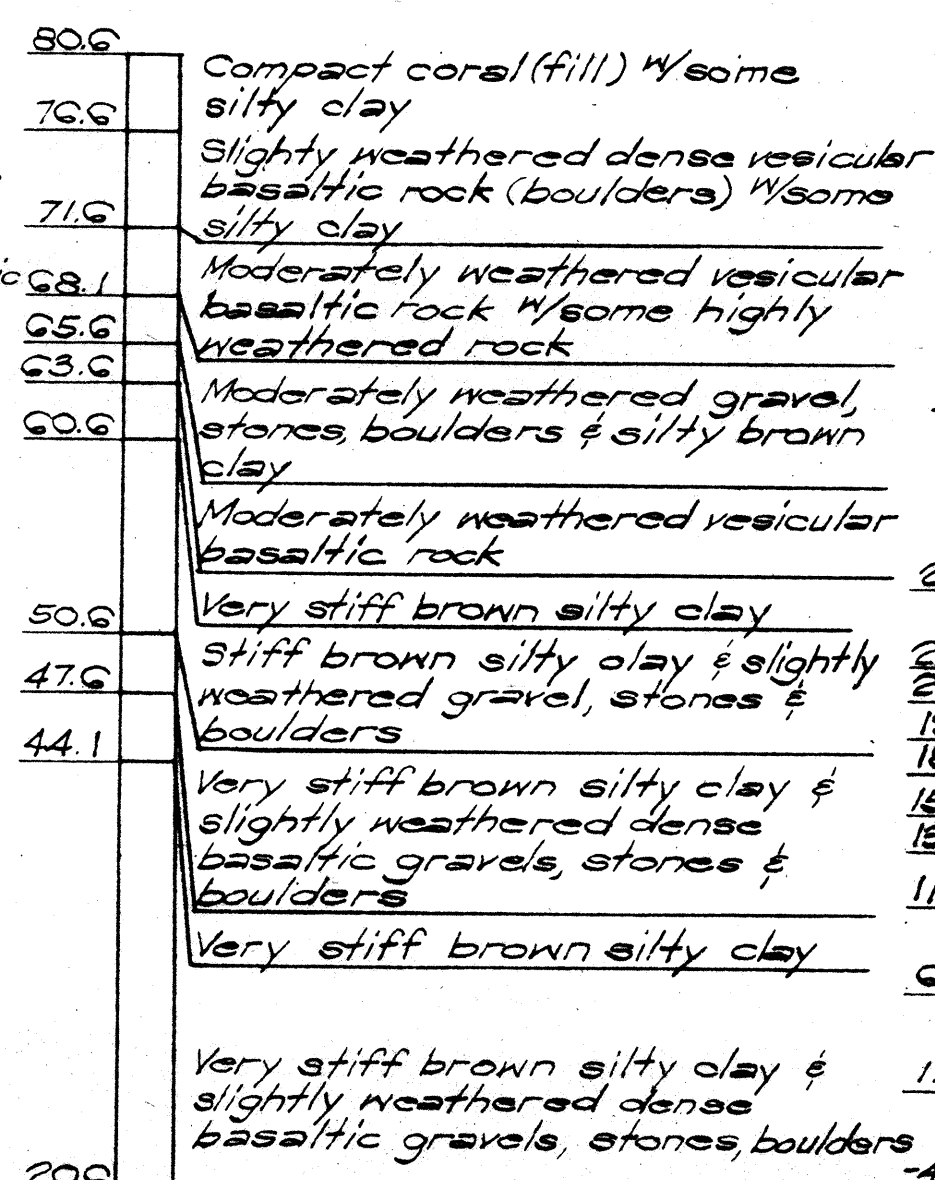
B-31

Sta. 101+86
3' Offset Left



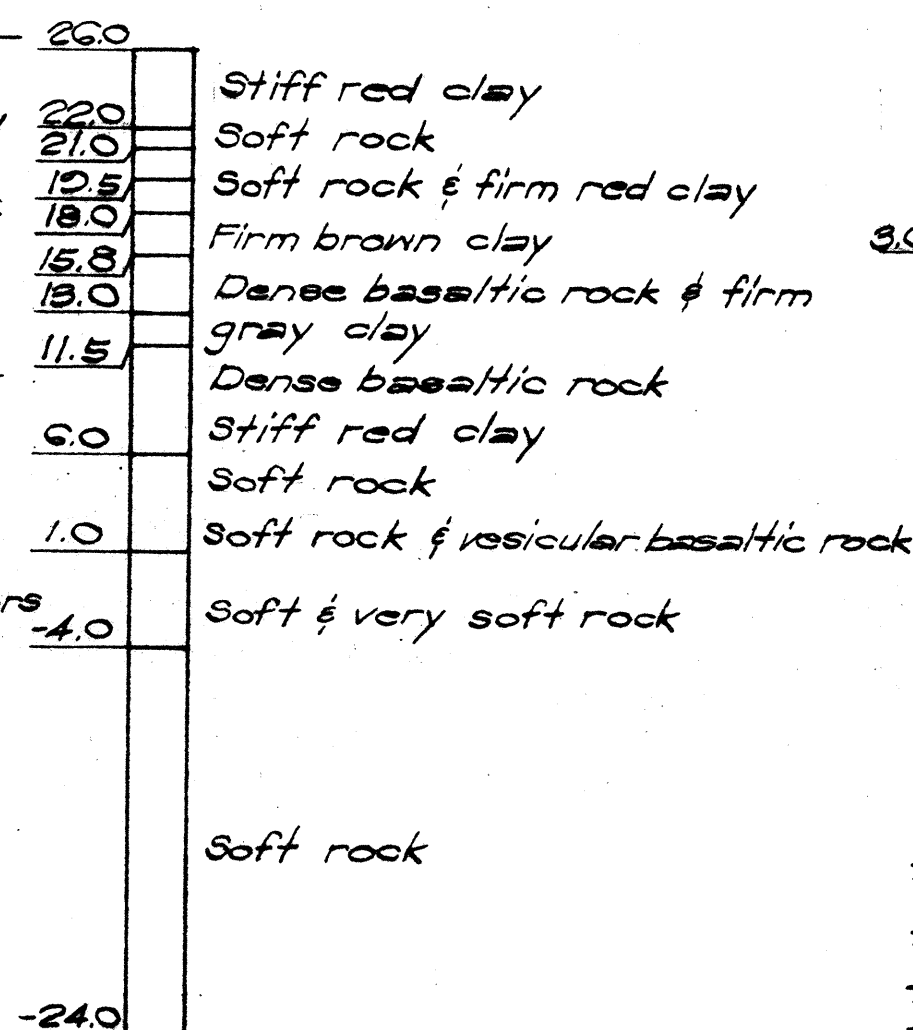
B-32

Sta. 103+76
20' Offset Left



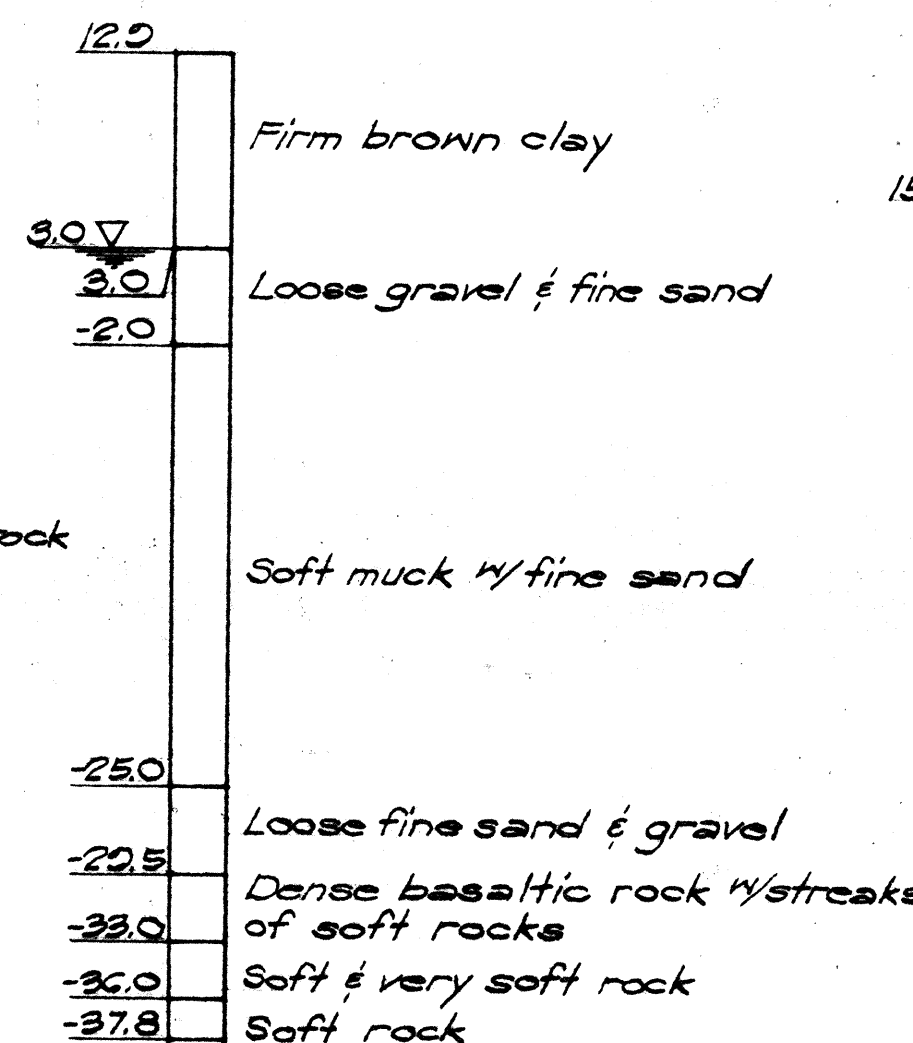
B-1 A

Sta. 103+08



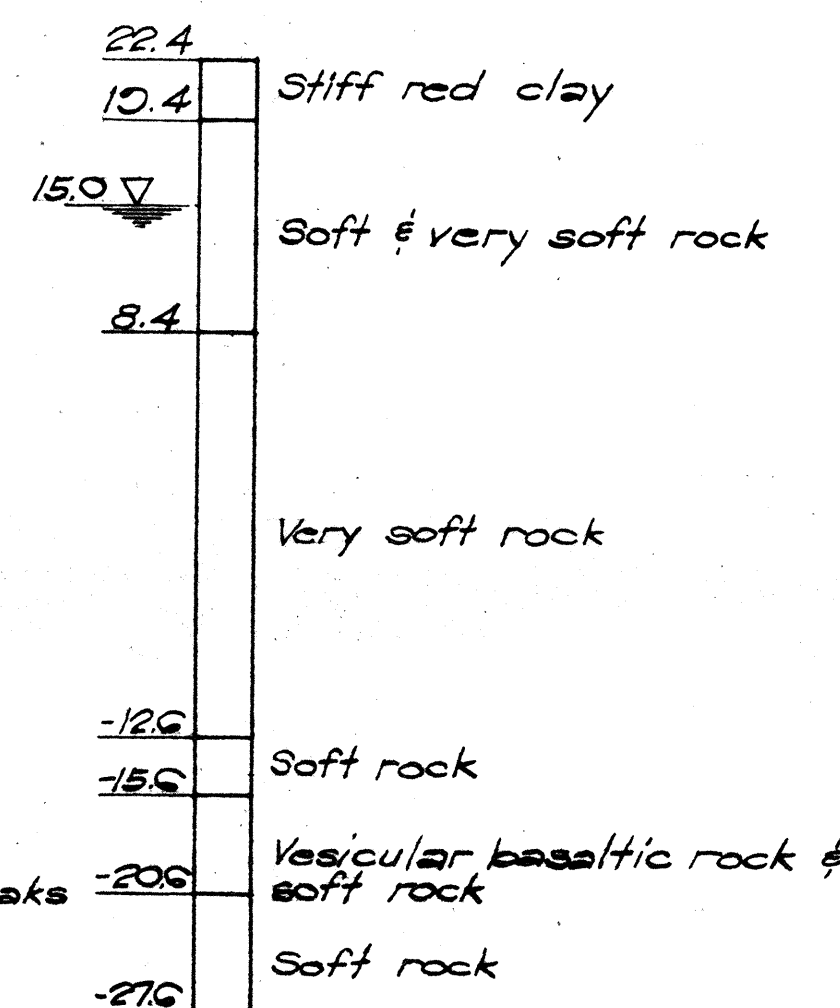
B-2 A

Sta. 114+04



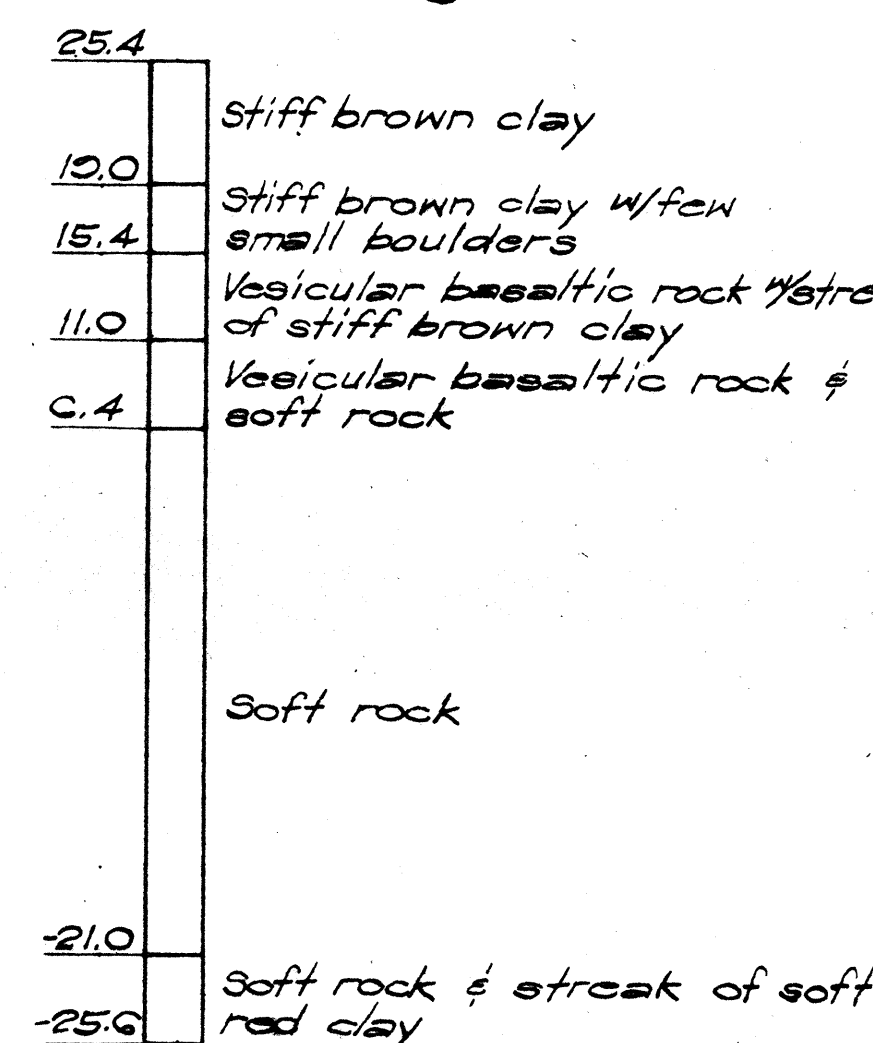
B-3 A

Sta. 121+26



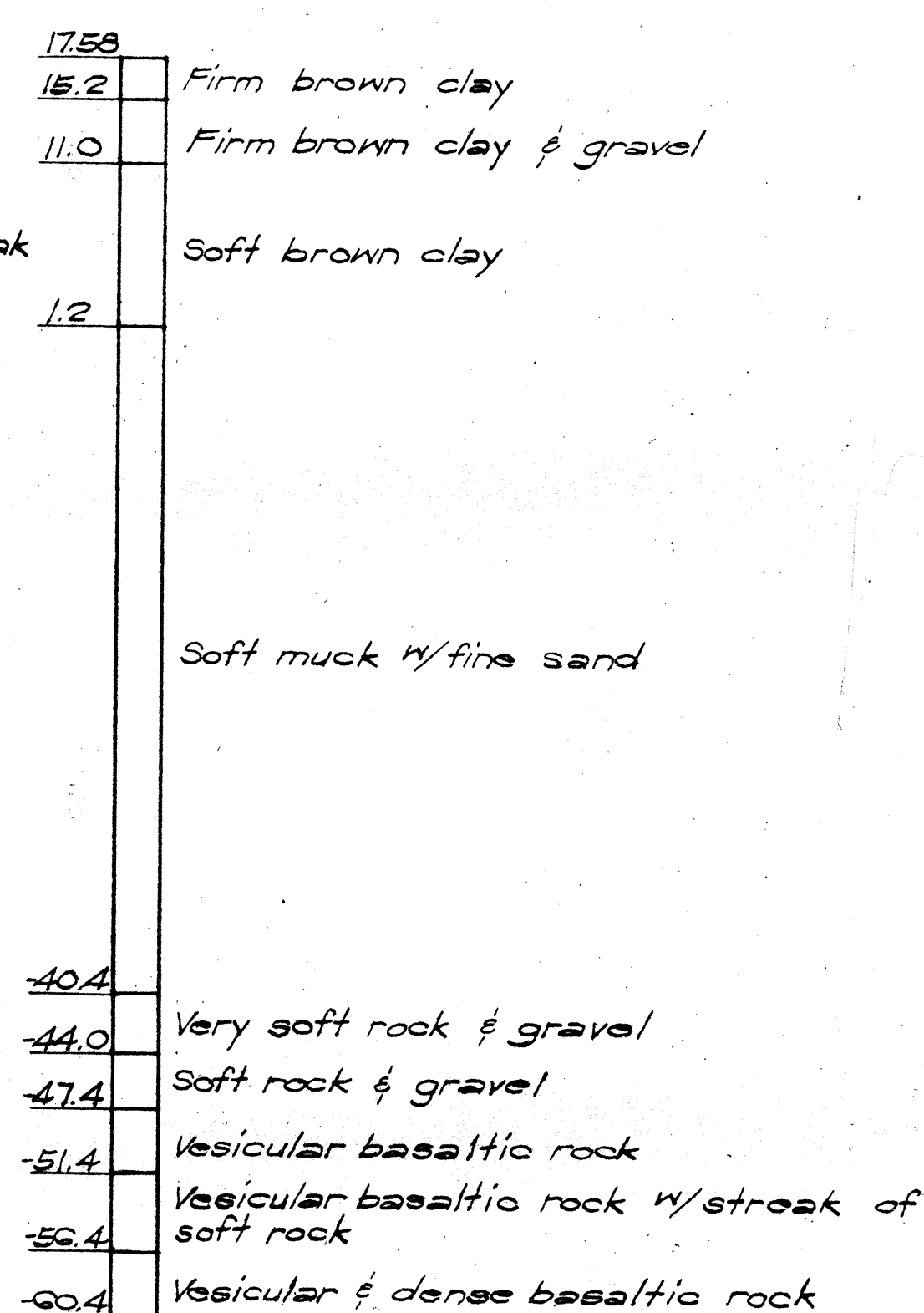
B-4 A

Sta. 100+44
50' Offset Right



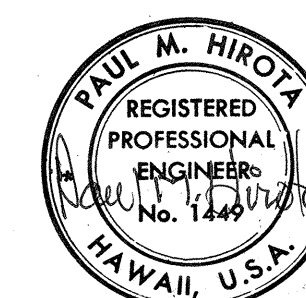
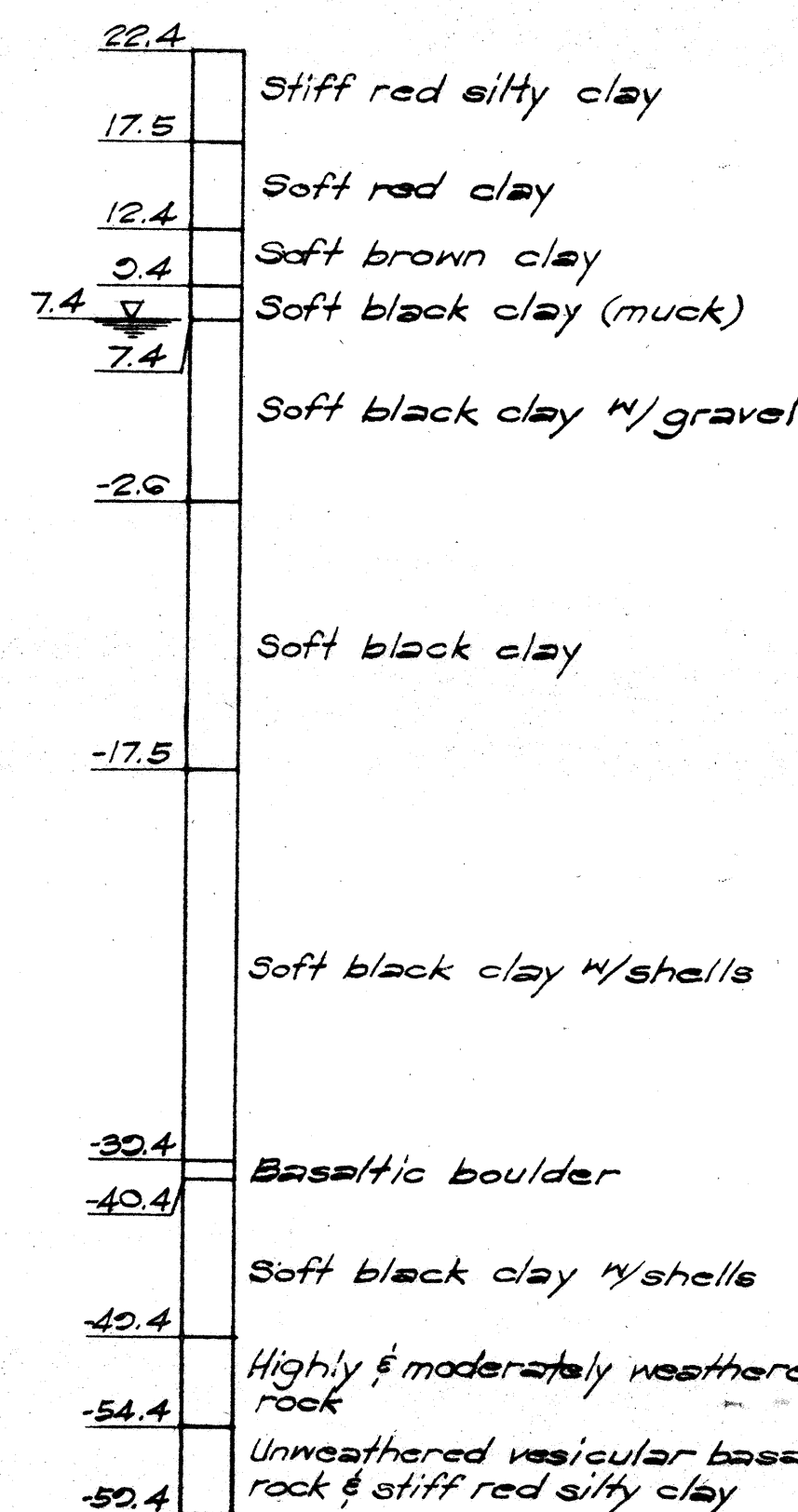
B-5 A

Sta. 118+36
60' Offset Left



B-34

Sta. 105+20



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

BORING LOGS

INTERSTATE ROUTE H-1
PROJ. NO. I-HI-1(64)-12
UNIT 1

Scale: 1"=10' Date: 8/10/68

SHEET No. 1 OF 3 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H-1(64):12 UNIT 1	1969	16	158

B-11
Sta. 106+24

22.4	
17.4	Stiff brown clay
15.9	Moderately weathered vesicular basaltic rock
12.2	Stiff brown clay
11.4	Stiff brown clay w/ gravel
9.2	Soft black silty clay (muck)
1.4	
-4.6	Soft black silty clay w/ gravel
-7.6	Stiff brown clay w/ gravel
-8.8	Highly weathered rocks & boulders
-12.1	Highly weathered rocks w/ stiff brown silty clay
-14.1	Highly weathered rocks w/ some mod. weathered basaltic rock
-17.6	Highly weathered rock w/ some mod. weathered dense basaltic rock
-21.6	Highly weathered rock w/ some mod. weathered dense basaltic rock
-24.2	Highly weathered rock w/ some mod. weathered dense basaltic rock
-34.8	Moderately weathered dense vesicular & basaltic rock
-37.0	Stiff brown clay w/ some moderately weathered dense basaltic rock & some gravel
-40.5	Stiff brown clay w/ some moderately weathered dense basaltic rock & some gravel
-46.0	Stiff brown clay w/ some moderately weathered dense basaltic rock
-47.5	Very stiff brown silty clay w/ stones & gravel
-55.5	Highly weathered rock
-65.5	Stiff brown silty clay & gravel & highly weathered rock
-68.0	Stiff brown silty clay & highly weathered rock

B-12
Sta. 112+04

14.5	
9.5	Firm brown clay
2.5	
-0.5	Soft brown clay
-10.5	Soft black clay w/ loose gravel, stones
-12.5	Stiff brown silty clay w/ loose sand, gravel
-20.5	Streak of very stiff material
-25.5	Stiff black silty clay w/ loose sand
-34.8	Soft black silty clay w/ loose sand, gravel
-37.0	Stiff brown clay w/ slightly weathered dense vesicular basaltic rock
-40.5	Slightly weathered dense vesicular basaltic rock
-46.0	Stiff brown clay w/ slightly weathered dense vesicular basaltic rock
-47.5	Very stiff brown silty clay w/ stones & gravel
-55.5	Highly weathered rock
-65.5	Stiff brown silty clay & gravel & highly weathered rock
-68.0	Stiff brown silty clay & highly weathered rock

B-13
Sta. 124+32

118.0	
110.0	Stiff red silty clay
86.0	
83.5	Highly weathered rock
80.0	Stiff brown clay w/ some gravel
74.0	Stiff brown clay w/ some highly weathered rock
72.0	Moderately weathered dense basaltic rock
64.5	Slightly weathered dense basaltic rock
52.5	Highly weathered vesicular basaltic rock
54.5	Highly weathered vesicular basaltic rock & moderately weathered dense basaltic rock
52.0	Moderately weathered dense basaltic rock
47.0	Moderately weathered dense fractured basaltic rock
42.0	Moderately weathered dense basaltic rock & highly weathered rock

B-14
Sta. 128+02

116.8	
107.8	Very stiff red silty clay
107.8	
82.8	Very stiff brown silty clay w/ boulders
82.4	Very stiff brown silty clay
84.8	Unweathered dense basaltic rock
88.8	Unweathered vesicular basaltic rock
72.8	

B-15
Sta. 131+66

112.4	
111.4	Coral base course
107.3	Very stiff red silty clay
100.4	Very stiff brown silty clay
87.8	Very stiff dark brown silty clay
87.3	Highly weathered rock
82.8	Very stiff brown silty clay w/ boulders
82.4	Very stiff brown silty clay
84.8	Unweathered dense basaltic rock
88.8	Unweathered vesicular basaltic rock
72.8	

B-16
Sta. 135+04

112.9	
116.2	Stiff red silty clay
112.8	Very stiff red silty clay
105.8	Very stiff brown silty clay
100.8	& highly weathered rock
92.8	Very stiff brown silty clay w/ some highly weathered rock
92.3	Highly weathered rock

B-17
Sta. 138+76

135.0	
132.0	Stiff red silty clay
128.0	Very stiff red silty clay
123.0	Stiff brown silty clay
102.0	Highly weathered rock
101.0	Stiff brown silty clay
98.0	Stiff brown silty clay w/ highly weathered rock
94.0	Slightly weathered dense fractured basaltic rock
85.0	Slightly weathered dense fractured basaltic rock
81.5	Slightly weathered dense fractured basaltic rock & some highly weathered

SURVEY PLANNED BY	DATE
DRAWN BY	
CHECKED BY	
DESIGNED BY	
QUANTITIES BY	
NOTED BY	
CHECKED BY	



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

BORING LOGS

INTERSTATE ROUTE H-1
PROJ. NO. I-H-1(64):12
UNIT 1

Scale: 1"=10'
Date: 8/10/68

SHEET No. 2 OF 3 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H-1(64)12 Unit 1	1969	17	158
I-H-1(16)11					

B-18
Sta. 141+16

137.8	Stiff brown silty clay
125.8	Slightly weathered dense basaltic rock
120.8	Moderately weathered vesicular basaltic rock
112.8	Moderately weathered vesicular basaltic rock & highly weathered rock
110.2	Stiff brown clay w/some highly weathered rock
107.2	Highly weathered rock
102.8	Moderately weathered dense fractured basaltic rock

B-19
Sta. 147+86

91.5	Stiff red silty clay
56.5	Firm red clay
46.5	Unweathered dense basaltic rock & some moderately weathered rock
41.5	Unweathered vesicular basaltic rock
36.5	

B-20
Sta. 151+04

112.8	Stiff red silty clay
107.8	Very stiff red silty clay
92.8	

B-21
Sta. 154+04

121.0	Stiff red silty clay
111.0	Very stiff red & gray clay
102.5	Unweathered vesicular basaltic rock
101.0	Unweathered dense basaltic rock
96.0	Unweathered dense basaltic rock & moderately weathered vesicular basaltic rock
91.0	

B-22
Sta. 157+34

120.0	Very stiff red silty clay
108.0	Moderately weathered vesicular basaltic rock
101.5	Moderately weathered vesicular basaltic rock w/some highly weathered rock
99.0	Unweathered vesicular basaltic rock
90.0	

B-23
Sta. 160+75
2' Offset Left

106.4	Very stiff red silty clay
99.8	Very stiff brown silty clay
91.3	Highly weathered rock
86.4	Unweathered vesicular basaltic rock

B-24
Sta. 165+00
2' Offset Left

47.1	Stiff brown silty clay
35.2	Firm brown clay
32.0	Firm brown clay w/some gravel
23.0	Soft brown clay w/some gravel
14.0	Soft brown clay & stiff brown silty clay
2.0	
-3.0	Stiff brown silty clay w/some soft brown clay
-12.0	

B-25
Sta. 167+85
2' Offset Left

51.4	Stiff brown silty clay & gravel
30.4	Stiff brown clay (moist)
26.4	Highly weathered rock
24.8	Stiff brown clay
26.4	Stiff brown silty clay w/some highly weathered rock
21.4	
15.4	Stiff brown clay
14.0	Highly weathered rock
9.0	Moderately weathered dense fractured basaltic rock
5.8	Highly weathered rock
1.4	Unweathered vesicular basaltic rock
-7.6	Highly weathered

B-26
Sta. 169+65
2' Offset Left

117.0	Highly weathered rock
115.0	Unweathered dense basaltic rock
112.4	Highly weathered rock
107.0	Moderately weathered vesicular basaltic rock
106.0	Highly vesicular basaltic rock
100.0	Moderately weathered vesicular basaltic rock
90.0	Highly weathered rock
87.0	Highly weathered vesicular rock
82.0	Moderately weathered vesicular basaltic rock
74.0	

B-27
Sta. 172+85
2' Offset Left

135.0	Stiff brown silty clay
130.0	Unweathered dense basaltic rock
127.0	Highly weathered rock
120.0	Highly & moderately weathered vesicular rock
117.4	Slightly weathered dense basaltic rock
115.8	Slightly & moderately weathered basaltic rock
110.0	Slightly weathered basaltic rock
105.0	Moderately & slightly weathered vesicular rock
20.8	Highly & moderately weathered vesicular rock
81.0	

B-28
Sta. 181+08
8' Offset Right

82.6	Asphaltic pavement
82.4	Compact coral fill & stiff brown silty clay
81.0	Firm brown silty clay
67.0	Very stiff brown silty clay
65.5	Moderately weathered vesicular rock
58.4	Highly weathered vesicular rock
53.4	Highly weathered vesicular rock & moderately weathered vesicular basaltic rock
42.5	

B-29
Sta. 184+10
28' Offset Left

57.2	Slightly weathered dense vesicular basaltic rock (boulders) w/some silty brown clay
51.7	Highly weathered basaltic rock & slightly weathered dense vesicular basaltic rock
48.2	Slightly weathered dense vesicular basaltic rock
44.7	Moderately weathered dense fractured vesicular basaltic rock
42.2	Slightly weathered dense vesicular basaltic rock
36.2	Slightly weathered dense vesicular basaltic rock
34.2	Moderately weathered loose vesicular basaltic rock

B-30
Sta. 189+85
3' Offset Left

78.3	Stiff brown silty clay
72.8	Very stiff brown silty clay & highly weathered vesicular basaltic rock
60.2	Highly weathered & moderately weathered vesicular basaltic rock w/some silty clay
57.2	Slightly weathered dense basaltic rock
55.2	Very stiff brown silty clay
	Slightly weathered vesicular basaltic rock

-68.0	Firm brown silty clay w/some fine gravel
-31.4	Stiff brown silty clay w/some fine gravel
-22.4	Highly weathered rock

NOTE:
Borings B-28, B-29, and B-30 are outside the limits of this project.



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

BORING LOGS

INTERSTATE ROUTE H-1
PROJ. NO. I-H-1(64)12,
UNIT 1

Scale: 1" = 10' Date: 8/19/68

SHEET No. 3 OF 3 SHEETS