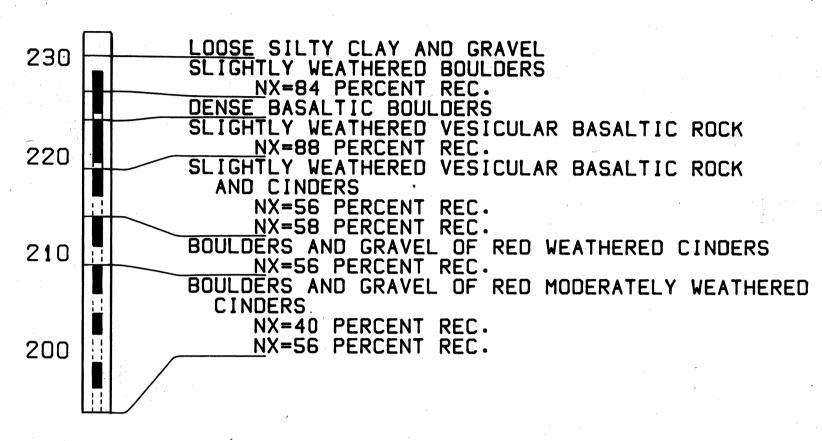
FED. ROAD DIST. NO. STATE FED. AID FISCAL YEAR NO. SHEET SHEETS

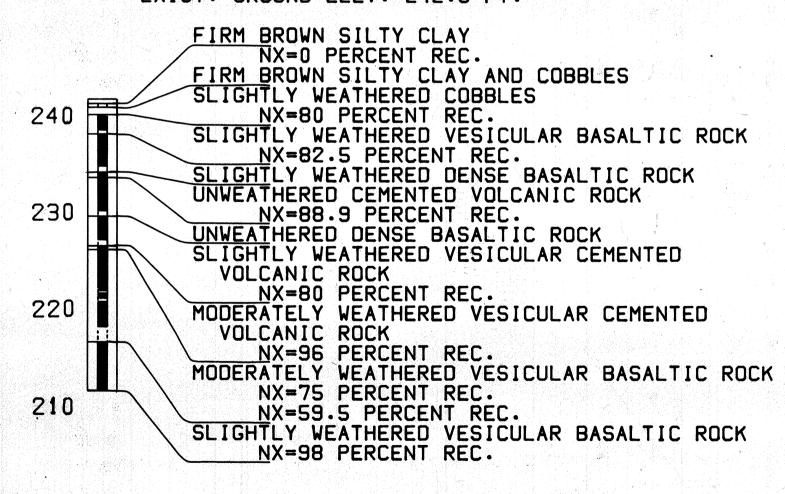
HAWAII HAW. F-031-1(3) 1987 9 69

EXIST. GROUND ELEV.=233.7 FT.

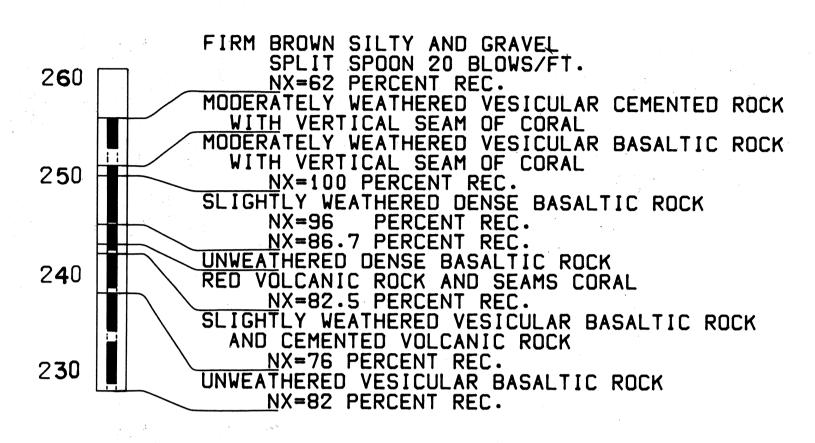


STA. 80+32 8 FEET O/S LEFT BORING NO. P-15

EXIST. GROUND ELEV.=242.5 FT.

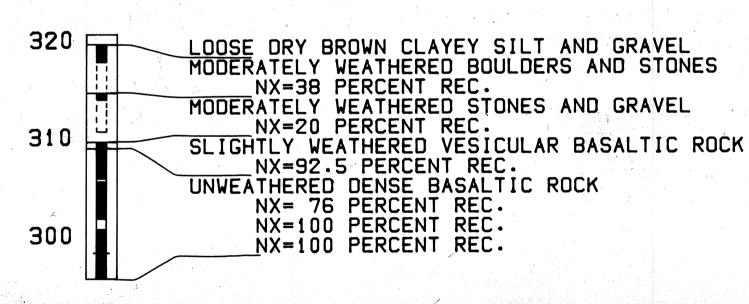


STA. 94+43 BORING NO. P-16 EXIST. GROUND ELEV.= 259.3 FT.



STA. 114+50 8 FEET O/S LEFT BORING NO. P-17

EXIST. GROUND ELEV.=321.5 FT.



STA. 130+80 BORING NO. P-18 TRANS - MERIDIAN
ENGINEERS & SURVEYORS
345 QUEEN ST., SUITE 500
HONDLULU, HAWAII 96813

REGISTERED
PROFESSIONAL
ENGINEER
No. 455-C
WAIL US:

THIS WORK WAS PREPARED BY ME OR UNDER
MY SUPERVISION

relin & Sepure

EXIST. GROUND ELEV.=290.0 FT.

WEATHERED GRAVEL

(DECOMP. ROCK)

STA. 144+09

BORING NO. P-19

NX=40 PERCENT REC.

NX=33 PERCENT REC.

NX=100 PERCENT REC.

NX=82 PERCENT REC.

NX=44 PERCENT REC.

NX=35 PERCENT REC.

VOLCANIC ROCK (CINDER-LIKE)

LOOSE DRY BROWN CLAYEY SILT WITH SOME GRAVEL

SLIGHTLY WEATHERED BOULDERS, MODERATELY WEATHERED

STONES AND GRAVEL WITH A LITTLE CLAYEY SILT

MODERATELY WEATHERED STONES AND GRAVEL LATTICED

SLIGHTLY WEATHERED VESICULAR BASALTIC ROCK WITH

VERTICAL FRACTURED SEAM OF HIGHLY WEATHERED ROCK

VERY STIFF BROWN CLAYEY SILT AND HIGHLY

WITH SEAMS OF HIGHLY WEATHERED ROCK

SLIGHTLY WEATHERED VESICULAR BASALTIC ROCK

MODERATELY WEATHERED VESICULAR BASALTIC ROCK

SPLIT SPOON 30/0.1 BLOWS/FT.

SPLIT SPOON 26/0.5 - 29/0.5 - 16/0.1 BLOWS/FT.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

BORING LOGS

PILANI HIGHWAY
VICINITY OF KILOHANA STREET
TO WAILEA IKE DRIVE

F.A. PROJECT F-031-1(3)
SCALE DATE DEC. 1987

SHEET No. 1 OF 1 SHEETS

9-15-88 REVISED P-17 AS PER ADDENDUM NO. I DATE REVISION

ORIGINAL SURVEY PLOTTED BY
PLAN TRACED BY
TRACED BY
QUANTITIES BY
CHECKED BY

2 . . . . .

ADD.S