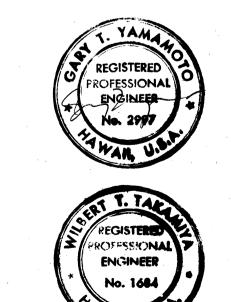


HAW. FF-078-1(17) 1977 BORING 5-2 BORING 5-3 BORING 5-1 DEPTH IN FEET DESCRIPTION SURFACE ELEV. + 9.1 DESCRIPTION SURFACE ELEV. + 8,8 DESCRIPTION SURFACE ELEV. + 8.6 FIRM BROWN SILTY CLAY FIRM BROWN SILTY CLAY WITH SOME GRAVEL FIRM BROWN SILTY CLAY WITH SOME GRAVEL PISTON 50% REC. DENISON 0% REC. PISTON 65% REC. SOFT BROWN SILTY CLAY AND MUCK SPLIT SPOON 3/5-10/5-4/5 BLOWS/FOOT 0% REC. SPLIT SPOON 2/5-3/5-3/5 BLOWS/FOOT 66.7% REC. SPLIT SPOON 1.5- 2.5-1.5 BLOWS/FOOT 100% REC. GRAY SANDY MUCK WITH SOME GRAVEL FIRM BROWN SILTY CLAY WITH SOME GRAVEL AND SAND VERY SOFT MUCK DENISON 0% REC. FIRM BROWN SILTY CLAY WITH SOME GRAVEL, SAND AND MUCK PISTON 0% RECOVERY SOFT MUCK WITH TRACES OF SAND PISTON 75% REC. SPLIT SPOON 0% RECOVERY SPLITSPOON 17.5-19.5 -19.5 BLOWS/FOOT 100% REC. (-)10 PISTON 0% REC. (-)10(-)10 PISTON 0% REC. MEDIUM COMPACT SAND AND GRAVEL VERY SOFT MUCK AND SAND WITH SOME GRAVEL, TRACES OF SHELLS WITH SOME MUCK PISTON 0% RECOVERY SPLIT SPOON 1.7-1.3-2/.5 BLOWS/FOOT 40% REC. (-) 20 SPLIT SPOON 0% REC. PISTON 100% REC. (-)20(-)20VERY SOFT MICK WITH SOME SAND, TRACES OF SHELLS SPLIT SPOON 1.5 -1.5 -1.5 BLOWS/FOOT PISTON 100% REC. YERY SOFT MUCK WITH SOME SAND SPLIT SPOON 1.5-1.5-2.5 BLOWS/FOOT VERY SOFT MUCK WITH SOME GRAVEL AND GRAVEL VERY SOFT MUCK WITH TRACES OF SAND AND SHELLS (-)30(-)30(-)30PISTON 100% REC. PISTON 25% REC. PISTON 20% REC. SPLIT SPOON /1-1/3-1/2 BLOWS/FOOT 0% REC. **∜VANE** VERY SOFT MUCK WITH TRACES OF SAND SPLIT SPOON 1/8 - 1/7 BLOWS/FOOT 100 % REC. SPLIT SPOON 26.7% REC. 1/8-1/7 BLOWS/FOOT VERY SOFT MUCK WITH TRACES OF SAND AND GRAVEL (-) 40 VERY SOFT BLACK MUCK WITH TRACES OF SHELLS (-)40(-)40PISTON 100 % REC. VERY SOFT MUCK WITH VERY COMPACT SAND WITH TRACES OF MUCK AND GRAVEL TRACES OF SHELLS PISTON 100% REC SPLIT SPOON 28/5-10/.1-19/0 BLOWS/FOOT 0% REC. SPLIT SPOON 1/8-1/7 BLOWS/FOOT 0% REC. VERY SOFT MUCK WITH A PIECE OF WOOD (-)50(-)50PISTON 100 % REC. PISTON 100% REC. 5PLIT SPOON 5/5-6/5-7/5 BLOWS/FOOT 100% REC. VERY SOFT MUCK WITH TRACES OF SHELLS VERY SOFT BLACK MUCK PIECES OF WOOD SPLIT SPOON 1.5-1.5-3.5 BLOWS/FOOT 0% REC. MEDIUM COMPACT SAND WITH SOME VERY SOFT MUCK WITH TRACES OF SHELLS AND SAND SPLIT SPOON 100% REC. /1.0-2/5 BLOWS/FOOT (-)60(-) 60 MUCK AND GRAVEL GRAVEL AND SMALL COBBLES VERY SOFT MUCK WITH TRACES OF SHELLS, SAND AND GRAVEL SMALL COBBLES AND GRAVEL WITH SOME SOFT BLACK MUCK PISTON 90% REC. SPLIT SPOON 1.5-1.5 BLOWS/FOOT STIFF BROWN SILTY CLAY AND GRAVEL VERY SOFT BLACK MUCK SOFT BLACK MUCK WITH TRACES OF SHELLS VERY SOFT MUCK WITH TRACES OF SHELLS PISTON 35% REC. (-)70 (-) 70 (-) 70 SPLIT SPOON 15/5-15/5-28/5 BLOWS/FOOT 100% REC. DENISON 90% REC. STIFF GRAY SILTY CLAY SPLIT SPOON 2/5 - 2/.5 - 3/5 BLOWS/FOOT VERY STIFF BROWN SILTY CLAY SOFT BLACK MUCK WITH TRACÉS OF SHELLS, SAND AND FINE GRAVEL PISTON 100% REC. STIFF BROWN SILTY CLAY PISTON 95% REC. BOULDER (-) 80 (-)80PISTON 100% REC SPLIT SPOON 0% REC. 1.5 - 1.5 - 2/5 BLOWS/ FOOT STIFF BROWN SILTY CLAY WITH GRAVEL AND SMALL COBBLES SPLIT SPOON VERY SOFT BLACK MUCK WITH TRACES OF SHELLS, SAND AND FINE GRAVEL SPLIT SPOON 5/5-7/5-19/5 BLOWS/FOOT 100% REC. STIFF BROWN SILTY CLAY DENISON SLIGHTLY WEATHERED DENSE BASALTIC ROCK (SMALL BOULDER) (-)90 (-) 90 (-)90VERY STIFF BROWNISH GRAY SILTY CLAY WITH SOME GRAVEL FIRM BROWN SILTY CLAY PISTON 65% REC N× 66.6% REC. STIFF BROWN SILTY CLAY AND GRAY SILTY CLAY SPLIT SPOON 19/5-29/5-32/5 BLOWS/FOOT 100% REC. STIFF BROWN SILTY CLAY WITH TRACES OF GRAVEL AND SAND WITH SOME GRAVEL (TUFF) SPLIT SPOON 6/.5-11/.5-13/.5 BLOWS/FOOT 100% REC. VERY STIFF GRAY CLAY AND GRAVEL (TUFF) (-)100 SPLIT SPOON 14/5-23/5-27/5 BLOWS/FOOT 100% REC. (-)100(-)100DENISON 75% REC. STIFF BROWN SILTY CLAY AND GRAY CLAY SPLIT SPOON 19/5-25/5-59/5 BLOWS/FOOT 100% REC. (-)110. (-)110 VERY STIFF GRAY SILTY CLAY AND GRAVEL (TUFF) DENISON 50% REC. STIFF BROWN SILTY CLAY SPLIT SPOON 6/.5-8/.5-13/.5 BLOWS/FOOT 100% REC. VERY STIFF BROWN SILTY CLAY WITH TRACES OF GRAY CLAY (-)120(-)120SPLIT SPOON 8/5-13/5-21/5 BLOWS/FOOT DENISON 70% REC. YERY STIFF BROWN SILTY CLAY WITH SOME GRAY CLAY AND GRAVEL (TUFF) SPLIT SPOON 9/5-14/5-34/5 BLOWS/FOOT 100% REC. (-)130 (-)130 -

SURVEY DRAWN I TRACED DESIGNE



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION

BORING LOGS

FED. AID FISCAL SHEET TOTAL PROJ. NO. YEAR NO. SHEETS

FED. ROAD DIST. NO.

MOANALUA ROAD PUULOA I.O. TO MIDDLE ST. - UNIT 2 F.A. Proj. No. FF-078-1 (17)

SCALE: AS SHOWN DATE: JAN. 14, 1977

SHEET NO. Z OF 5 SHEETS

BORING 5-4 BORING S-5 BORING 5-10 DEPTH DEPTH IN FEET IN FEET IN FEET DESCRIPTION SURFACE ELEV. +30.3 DESCRIPTION SURFACE ELEV. +10.3 DESCRIPTION SURFACE ELEV. + 11.3 FIRM BROWN SILTY CLAY WITH SOME GRAVEL FIRM BROWN SILTY CLAY WITH SOME GRAVEL (FILL) FIRM BROWN SILTY CLAY WITH TRACES OF GRAVEL AND SMALL COBBLE (FILL) DENISON 33.3 % REC. SPLIT SPOON 53.3% REC. 2.5-8.5-5.5 BLOWS/FOOT PISTON 100% REC. SPLIT SPOON. HIT SMALL BOULDER PISTON 100% REC. 20 0 FIRM BROWN SILTY CLAY WITH SOME GRAVEL (FILL) STIFF BROWN SILTY CLAY WITH TRACES OF GRAVEL LOOSE SAND AND GRAVEL WITH SOME BROWN SILTY CLAY FIRM BROWN SILTY CLAY (FILL) HIT SMALL BOULDER DENISON 100% REC. VERY SOFT GRAY SILTY MUCK FIRM BROWN SILTY CLAY AND SANDY MUCK WITH TRACES OF GRAVEL PISTON 100% REC STIFF BROWN SILTY CLAY SPLIT SPOON 100% REC. /.5 - /.5 BLOWS/FOOT (-)10 (-)10 SPLIT SPOON 1/8-2/2-8/5 BLOWS/FOOT 100% REC. SOFT GRAY SILTY MUCK WITH TRACES OF SHELLS SOFT BLACK MUCK AND SOME GRAVEL PISTON 90% REC. PISTON 100% REC. SPLIT SPOON 100% REC. 3/5-2/5-3/5 BLOWS/FOOT PISTON 50% REC. SPLIT SPOON 100% REC. 5/5-1/5-15/5 BLOWS/FOOT SPLIT SPOON 13.3 % REC. 1.5 - 2/.5 - 2/.5 BLOWS/FOOT SOFT GRAY SILTY MUCK WITH SOME GRAVEL AND TRACES OF SHELLS (-)20VERY SOFT BLACK MUCK WITH SOME SAND AND GRAVEL PISTON 95% REC. PISTON 0% REC SPLIT SPOON 100% REC. 1.5-1.5 BLOWS/FOOT LOOSE SAND AND GRAVEL WITH SOME MUCK SPLIT SPOON 100% REC. 15-15-25 BLOWS/FOOT SOFT GRAY SILTY MUCK WITH TRACES OF SHELLS PISTON 70% REC. (-)IO (-)30 FIRM MUCK WITH TRACES OF SHELL PISTON 75% REC. PISTON 60% REC. (-)30SPLIT SPOON 0% REC. 18-17 BLOWS/FOOT SPLIT SPOON 100% REC. 1.5-2/5-2/5 BLOWS/FOOT SPLIT SPOON 73.3% REC 5/5-6/5-1/5 BLOWS/FOOT VERY SOFT BLACK MUCK WITH SOME SAND AND FINE GRAVEL LOOSE SAND AND GRAVEL SOFT GRAY SILTY MUCK SOFT GRAY SILTY MUCK AND SOME SAND VERY SOFT MUCK (-)20 (-)40 PISTON 55% REC. PISTON 65% REC. PISTON 12.5% REC. (-)40SPLIT SPOON 100% REC. 1/5-2/5-1/5 BLOWS/FOOT SPLIT SPOON 100% REC. 2/5-2/5-2/5 BLOWS/FOOT SOFT GRAY SILTY MUCK SANDY MUCK AND SILT SPLIT SPOON 100% REC. 2/5-8/5-19/5 BLOWS/FOOT VERY SOFT MUCK WITH TRACES OF SHELLS VERY SOFT MUCK WITH TRACES OF SHELLS (-)30(-)50SANDY MUCK AND GRAVEL (-)50 PISTON 0% REC. PISTON 50% REC. PISTON 70% REC. SPLIT SPOON 53.3% REC. SPLIT SPOON 100% REC. 15-15 BLOWS/FOOT (-)60 SPLIT SPOON 100% REC 1/5-1/5-2/5 BLOWS/FOOT SOFT BROWN SILTY CLAY (-)40FIRM BROWN SILTY CLAY (-)60VERY SOFT MUCK WITH TRACES OF SHELLS AND SAND VERY SOFT MUCK WITH TRACES OF SHELLS AND SAND PISTON 100% REC. PISTON 0% REC. SMALL COBBLES LODGE IN FRONT OF SAMPLER SPLIT SPOON 100% REC. 5/5-8/5-12/5 BLOWS/FOOT PISTON 0% REC. STIFF BROWN SILTY CLAY SPLIT SPOON 100% REC. (-)50 SPLIT SPOON 100% REC. 1/5-2/5-2/5 BLOWS/FOOT PISTON 0% REC. SOFT BLACK SANDY MUCK WITH TRACES OF SHELLS SOFT BLACK MUCK WITH TRACES OF SHELLS VERY SOFT MUCK WITH TRACES OF SHELLS VERY STIFF BROWN SILTY CLAY FIRM GRAY CLAY WITH TRACES OF SHELLS SPLIT SPOON 66.7% REC. 8/5-15/.5-18/.5 BLOWS/FOOT (-)80 PISTON 75% REC. (-)60DENISON 95% REC. SOFT MUCK WITH TRACES OF SHELLS (-)80STIFF GRAY CLAY WITH TRACES OF SHELLS STIFF GRAY CLAY WITH TRACES OF SHELLS STIFF BROWN SILTY CLAY SPLIT SPOON 100% REC. 9/5-19/5 BLOWS/FEET PISTON 90% REC. DENISON 100% REC. SPLIT SPOON 100% REC. 12/5-14/5-15/5 BLOWS/FOOT SPLIT SPOON 100% REC. 5/5-9/5-12/5 BLOWS/FOOT STIFF GRAY CLAY WITH TRACES OF SHELLS AND SOME GRAVEL HIT ROCK (-)90SPLIT SPOON 100% REC. 37/5-5/1-1% BLOWS/FEET STIFF BROWN SILTY CLAY VERY COMPACT SAND AND GRAVEL, LITTLE GRAY CLAY DENISON 95% REC. SMALL BOULDER (-)80 SPLIT SPOON 100% REC. 6/5-9/5-14/5 BLOWS/FOOT STIFF BROWN SILTY CLAY (-)100DENISON 0% REC. SPLIT SPOON 7/.5-12/.5-21/.5 BLOWS/FOOT STIFF BROWN SILTY CLAY WITH A LITTLE LAYER OF GRAY CLAY (-)90 DENISON 95% REC. VERY STIFF BROWN SILTY CLAY DENISON 75% REC. (-)110 -SPLIT SPOON 100% REC. 195-195-295 BLOWS/FOOT STIFF BROWN SILTY CLAY SPLIT SPOON 100% REC. 7.5-9.5-12.5 BLOWS/FOOT (-)100 -BORING 5-7 DEPTH INFEET

0

(e) 10

SURVEY DRAWN TRACED DESIGNE

DESCRIPTION SURFACE ELEV. +14.3

FIRM BROWN SILTY CLAY, SOME GRAVEL, TRACE OF STONE STIFF BROWN SILTY CLAY, LITTLE GRAVEL AND STONE SPLIT SPOON 80% REC. 9.5-9.5-9,5 BLOWS/FOOT FIRM BROWN SILTY CLAY PISTON 05% REC. SPLIT SPOON 7.5-3/5-4/5 BLOWS/FOOT

SOFT BROWN SILTY CLAY

FIRM MUCK WITH COARSE SAND AND GRAVEL PISTON 50% REC.

SPLIT SPOON 4/5-9/5-19/5 BLOWS/FOOT 66.7% REC. FIRM BROWN SILTY CLAY, SOME CORAL FINES

VERY STIFF BROWN SILTY CLAY, LITTLE GRAVEL SPLIT SPOON 9/5-14/5-18/5 BLOWS/FOOT PISTON 40% REC.

VERY STIFF BROWN SILTY CLAY SPLIT SPOON 12/5 - 22/5 - 30/5 BLOWS / FOOT



STATE OF HAWAII DEPARTMENT OF TRANSPORTATION



THIS WORK WAS PREPARED IN ME

BORING LOGS

FED. AID FISCAL PROJ. NO. YEAR

HAW. #4-078-1(17) 1977 4

MOANALUA ROAD PULLOA I.O. TO MIDDLE ST. - UNIT 2 F.A. Proj. No. FF-078-1(17)
F-FF-078-1(17) SCALE: AS SHOWN DATE: JAN, 14, 1977

SHEET NO. 3 OF 5 SHEETS

HAW. FF-078-1(17) 1977 5 BORING 5-11 BORING M-2 BORING M-I DEPTH DEPTH IN FEET INFEET DESCRIPTION SURFACE ELEV. +12.8 DESCRIPTION SURFACE ELEV. + 14.3 DESCRIPTION SURFACE ELEV, + 15.1 STIFF BROWN SILTY CLAY WITH A LITTLE GRAVEL AND BLACK SAND SOFT REDDISH BROWN SILTY CLAY AGGREGATE BASE COURSE STIFF BRN. SILTY CLAY WITH A LITTLE GRAVEL SOFT BRN SANDY CLAY DENISON 55% REC. PISTON 900 PSI SPLIT SPOON 26 BLOWS/FOOT FIRM BROWN SILTY CLAY SPLIT SPOON 10.5-30.5-10.5 BLOWS/FOOT BEACH SAND SPLIT SPOON 20% REC. 12/5-9/5-5/5 BLOWS/FOOT FIRM BROWN SILTY CLAY LOOSE BRN. SAND AND SOME BRN. SILTY CLAY SOFT BROWN SILTY CLAY SOFT REDDISH BRN. SILTY CLAY FIRM BROWN SILTY CLAY WITH SOME COBBLES DENISON 90% REC. SPLIT SPOON 4 BLOWS/FOOT MED. COMPACT BEACH SAND VERY SOFT BLACK CLAY SOFT BROWN SILTY CLAY WITH TRACE OF SAND FIRM BROWN CLAY $(-)10^{\circ}$ SPLIT SPOON 3/5-3/5 BLOWS/FOOT 33% REC. SOFT GRAY MUCK WITH TRACE OF SHELLS AND GRAVEL PISTON 650 PSI (-)10 VERY SOFT BLACK CLAY TRACE OF VERY FINE SAND AND SHELLS MEDIUM COMPACT SANDY MUCK WITH SOME GRAVEL (-)10 SPLIT SPOON 15 BLOWS/FOOT PISTON 50% REC. FIRM BROWN CLAY WITH A TRACE OF REDDISH AND DECOMPOSED WOOD SPLIT SPOON 67% REC. 2/5-2/5-2/5 BLOWS/FOOT PISTON 0.0 % REC. BRN SILTY CLAY (-)20VERY SOFT BLACK CLAY, TRACE OF VERY FINE SAND MED. COMPACT SANDY MUCK WITH TRACE OF FINE (-)20PISTON 850 PSI PISTON 85% REC. (-) 20 GRAVEL AND SHELLS SPLIT SPOON 10 BLOWS/FOOT SPLIT SPOON 1.5-2.5-1.5 BLOWS/FOOT 33% REC. MEDIUM COMPACT SANDY MUCK AND GRAVEL PISTON 100% REC. VERY SOFT BLACK CLAY TRACE OF CORAL AND SHELLS FIRM GRAY SILTY MUCK WITH TRACE OF GRAVEL AND SHELLS PISTON 600 PSI (-)30 (-)30COMPACT GRAVEL, TRACE OF FINE SAND AND BROWN SILT PISTON 100% REC. SPLIT SPOON 14 BLOWS/FOOT (-)30FIRM BROWN CLAY PISTON 100% REC. MEDIUM COMPACT SANDY MUCK, GRAVEL AND SHELLS DENISON 100% REC. FIRM GRAY SILTY MUCK WITH TRACE OF SHELLS PISTON 1000 PSI SPLIT SPOON 100% REC. 4/5-4/5 BLOWS/FOOT MED, COMP BRN. GRAVELY SAND AND BRN. SILTY CLAY SOFT BROWN SILTY CLAY SPLIT SPOON 16 BLOWS/FOOT (-)40 | DENISON 100% REC. PISTON 100% REC. FIRM BROWN SILTY CLAY SPLIT SPOON 100% REC. 13/5-14/5-13/5 BLOWS/FOOT FIRM GRAY SILTY MUCK AND COMPACT SAND WITH TRACE OF SHELLS PISTON 1000 PSI STIFF BROWN SILTY CLAY SPLIT SPOON 5 BLOWS/FOOT SPLIT SPOON 32 BLOWS/FOOT (-)50 DENISON 100% REC. SOFT GRAY MUCK WITH TRACE OF SHELLS VERY COMP. BRN. GRAVELY SAND AND A LITTLE BRN. SILTY CLAY (-)50 SPLIT SPOON 100% REC. 12/5-14/5-13/5 BLOWS/FOOT SPLIT SPOON 31 BLOWS/FOOT COMP HIGHLY WEA, GRAVEL AND SAND WITH SOME BRN AND FIRM GRAY SILTY MUCK WITH TRACE OF SHELLS (-)60 + GRAY SILTY CLAY PISTON 100% REC. (-)60SPLIT SPOON 22 BLOWS/FOOT (-)60 PISTON 750 PSI PISTON 0% REC. FIRM BRN. SILTY CLAY WITH TRACE OF SAND STIFF BROWN SILTY CLAY SPLIT SPOON 15 BLOWS/FOOT BORING M-3 SOFT BROWN SILTY CLAY SPLIT SPOON 39 BLOWS/FOOT (-)70 + DEPTH STIFF BROWN SILTY CLAY, GRAVEL AND SAND VERY STIFF BROWN SILTY CLAY (-)70 IN FEET DENISON 40% REC. PISTON 1500 PSI DESCRIPTION SURFACE ELEV. + 17.1 SPLIT SPOON 24 BLOWS/FOOT (-)80VERY STIFF BROWN SILTY CLAY WITH LITTLE FINE GRAVEL STIFF BRN. SILTY CLAY WITH SOME GRAVEL AND SAND SOFT BROWN SILTY CLAY STIFF GRAY SILTY CLAY WITH TRACE OF SHELLS (-)80 + GRAVEL AND SAND FIRM BROWN SILTY CLAY AND GRAVEL DENISON 100% REC. PISTON 1250 PSI SOFT BROWN SILTY CLAY 0 SPLIT SPOON 25 BLOWS/FOOT STIFF BRN AND GRAY CLAY AND BRN . SILTY CLAY PISTON 400 PSI (-)90STIFE GRAY SILTY CLAY SPLIT SPOON 24 BLOWS/FOOT SOFT BROWN SILTY CLAY WITH A LITTLE SAND (-)90 =-STIFF GRAY SILTY WITH TRACE OF SHELLS STIFF BRN CLAY AND BRN SILTY CLAY SPLIT SPOON 8 BLOWS / FOOT DENISON 100 % REC. SAND AND GRAVEL SOFT MUCK 0 SPLIT SPOON 28 BLOWS/FOOT PISTON 1000 PSI FIRM BROWN SILTY CLAY (-)100FIRM BROWN SILTY CLAY BOULDER STIFF BROWN SILTY CLAY NX = 0% REC. (-)10HIGHLY WEATHERED GRAVEL AND BROWN SILTY CLAY DENISON 100% REC. SPLIT SPOON 25 BLOWS/FOOT (-)110 + SPLIT SPOON 29 BLOWS/FOOT STIFF BROWN SILTY CLAY WITH A LITTLE SAND DENISON 100% REC. (-)20STIFF BROWN SILTY CLAY WITH SOME SAND DENISON 100% REC. STIFF SPOON II BLOWS/FOOT (-)120MEDIUM COMPACT SANDY SILT AND CLAY MEDIUM COMPACT SAND AND BROWN SILTY CLAY SPLIT SPOON 22 BLOWS/FOOT DENISON 100% REC. (-)30MED. COMP. SAND AND GRAVEL WITH A LITTLE BRN. SILTY CLAY (-)130MEDIUM COMPACT GRAVEL AND SANDY SILT WITH SOME BROWN CLAY SPLIT SPOON 13 BLOWS/FOOT

MEDIUM COMPACT SAND AND SANDY SILT WITH SOME BROWN CLAY

DENISON 55% REC.

SPLIT SPOON 27 BLOWS/FOOT

MED. COMP. SAND AND BRN. SILTY CLAY

SPLIT SPOON 16 BLOWS/FOOT

SPLIT SPOON 12 BLOWS/FOOT

SPLIT SPOON 22 BLOWS/FOOT

FIRM BROWN CLAYEY SILT WITH A LITTLE BLACK SILT

PISTON 1100 PSI

PISTON GOO PST

PISTON 900 PSI

(-68)

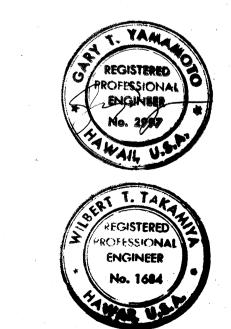
FIRM BROWN SILTY CLAY

STIFF BROWN SILTY CLAY

(-)40 +

(-)50

(-)60

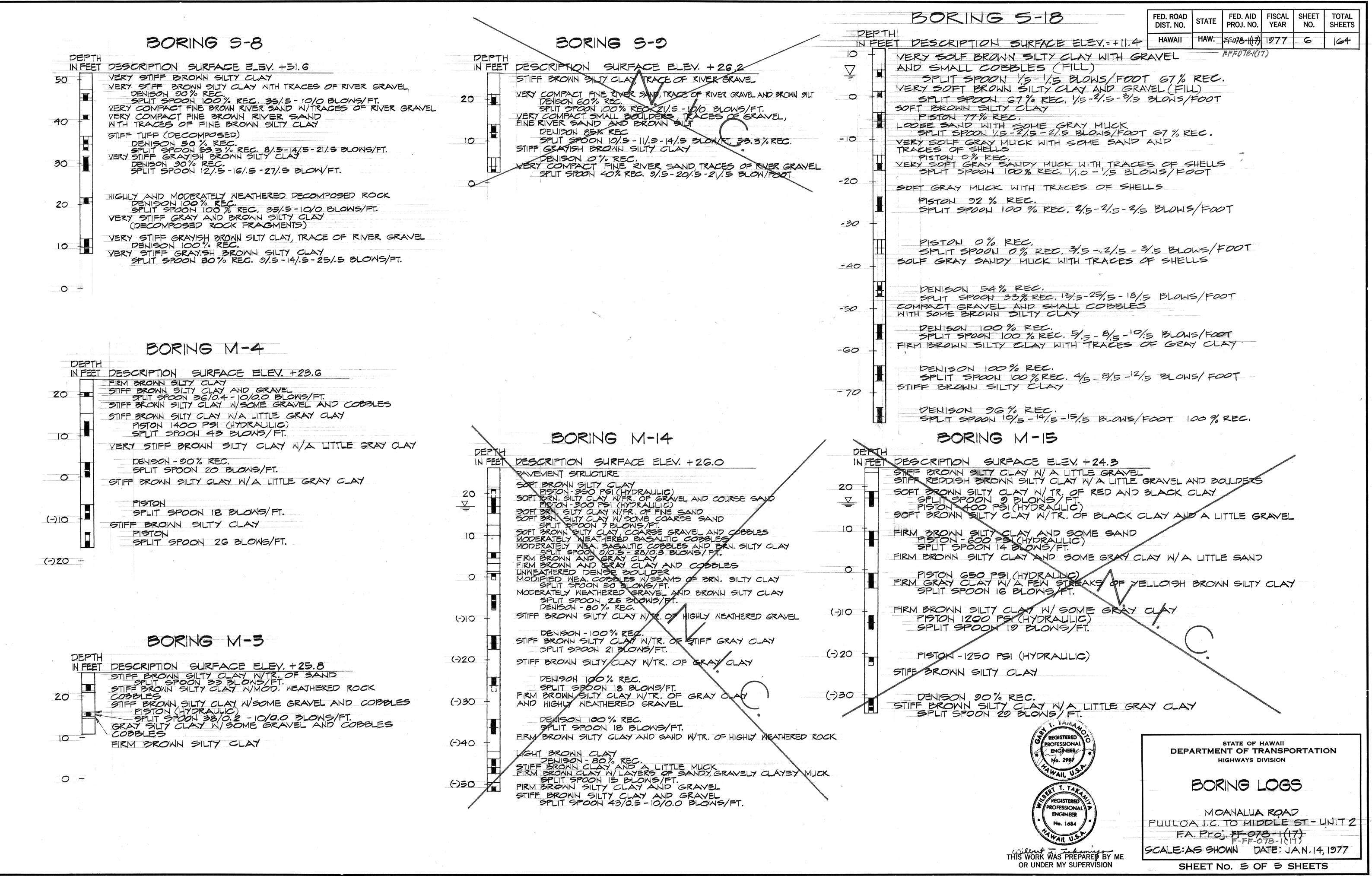


THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

BORING LOGS

MOANALUA ROAD
PUULOA I.C. TO MIDDLE ST.-UNIT 2
F.A. Proj. No. FF-078-1(17)
F-FF-078-1(17)

SCALE; AS SHOWN DATE: JAN. 14,1977
SHEET NO. 4 OF 5 SHEETS



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