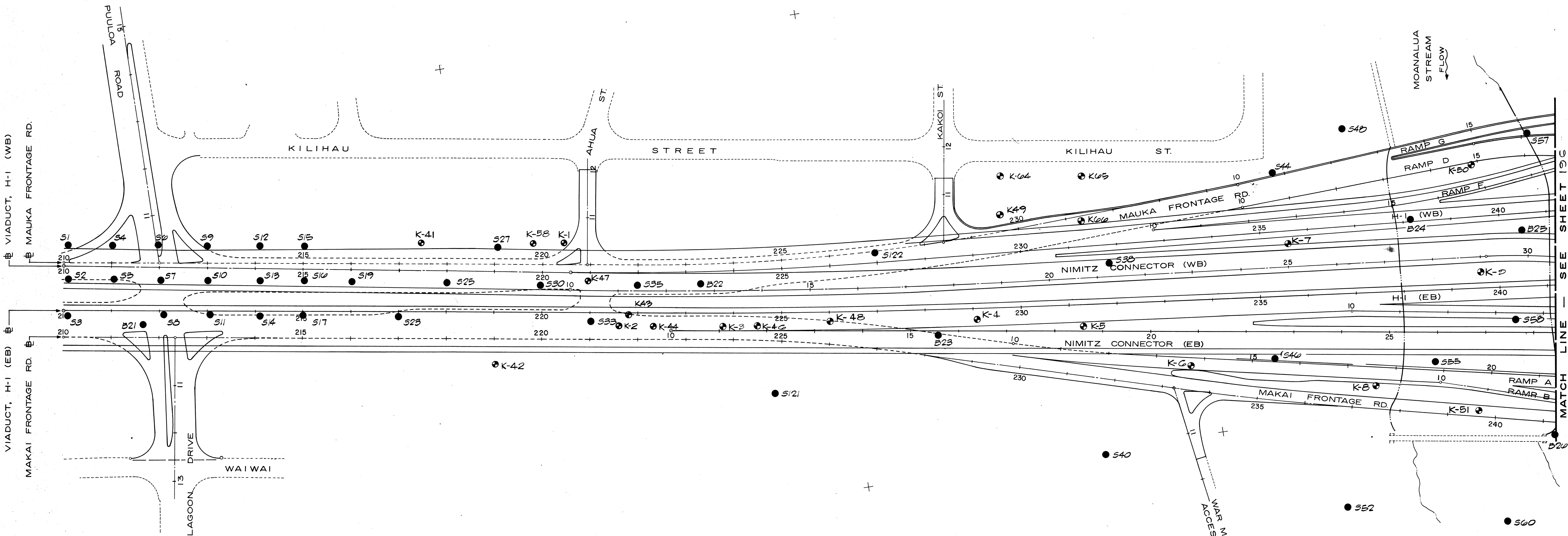
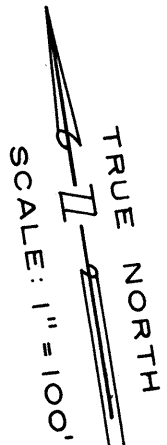


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(131):17	1977	215	394

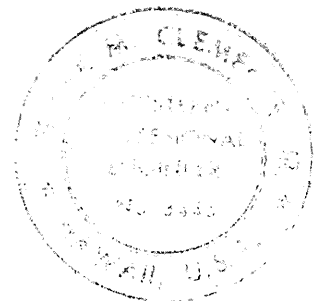


DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
TRACED BY	_____
NOTED BY	_____
CHECKED BY	_____
No.	_____

LEGEND

- VIADUCT STRUCTURE
- BELOW VIADUCT ON GRADE
- EXISTING

- BORING LOCATIONS
- "B" SERIES BORINGS DRILLED IN 1967
 - "S" SERIES BORINGS DRILLED IN 1970
 - "K" SERIES BORINGS DRILLED IN 1974



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
KEEHI INTERCHANGE
BORING LOCATION PLAN

INTERSTATE ROUTE H-1
PROJECT No. I-HI-1 (131):17
SCALE: 1" = 100' DATE: AUG. 31, 1977
SHEET No. 215 OF 394 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-HI-1(131):17	1977	217	394

GENERAL NOTES AND LEGEND

S-24 ← BORING NUMBER

0.2' — ORIGINAL GROUND SURFACE ELEVATION

Nx 92% PERCENT OF ROCK CORE RUN RECOVERED

SH. SHELBY TUBE
HYD. HYDRAULICALLY PRESSED

▽ — WATER LEVEL

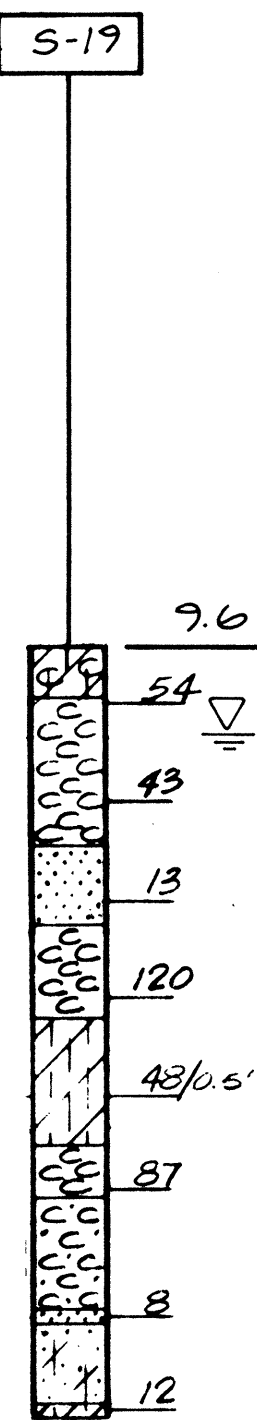
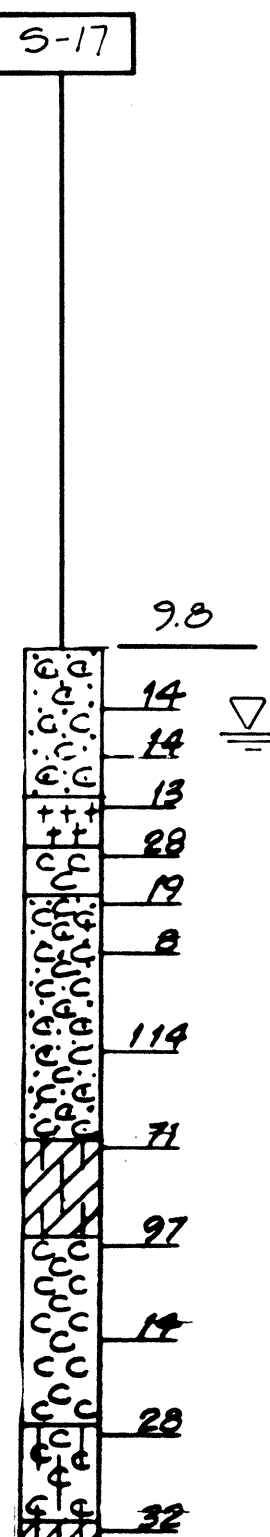
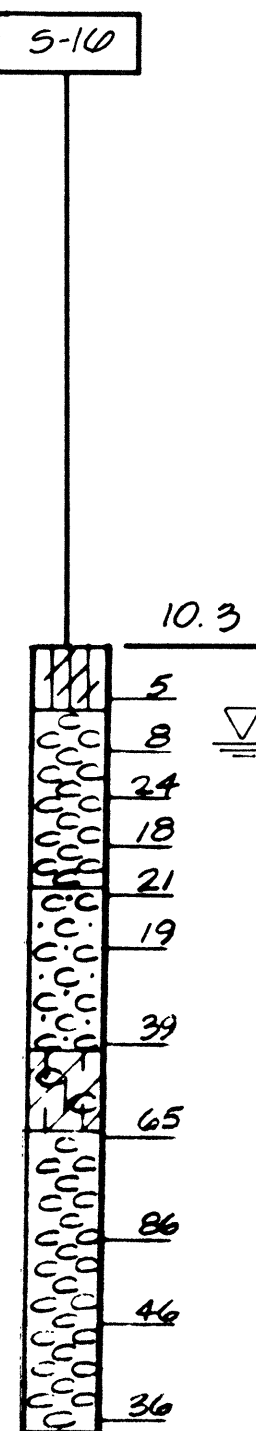
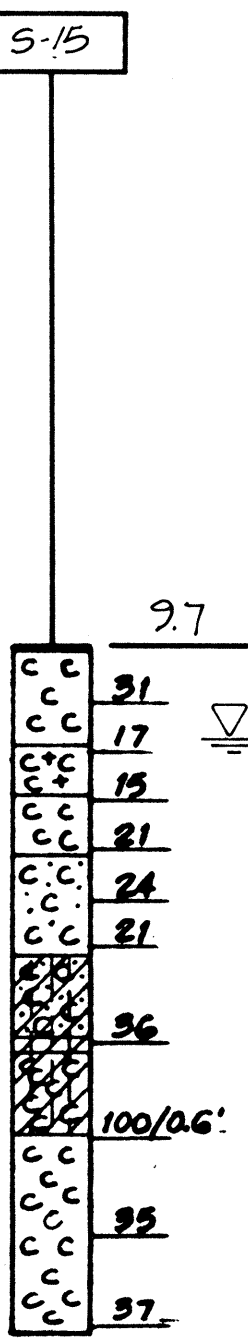
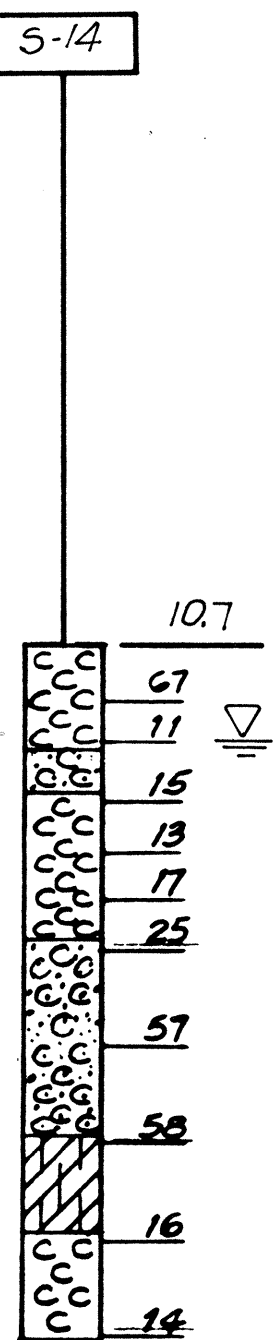
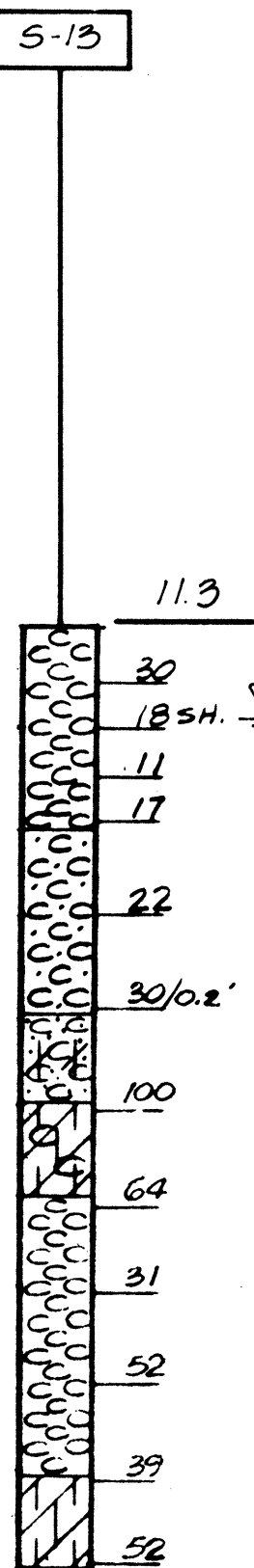
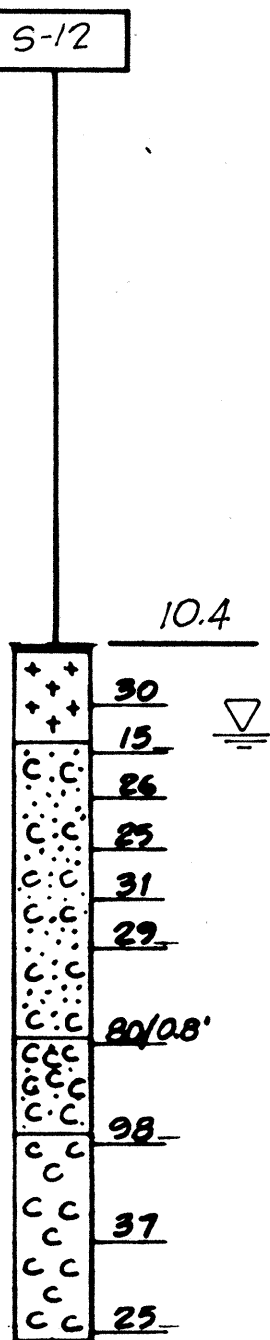
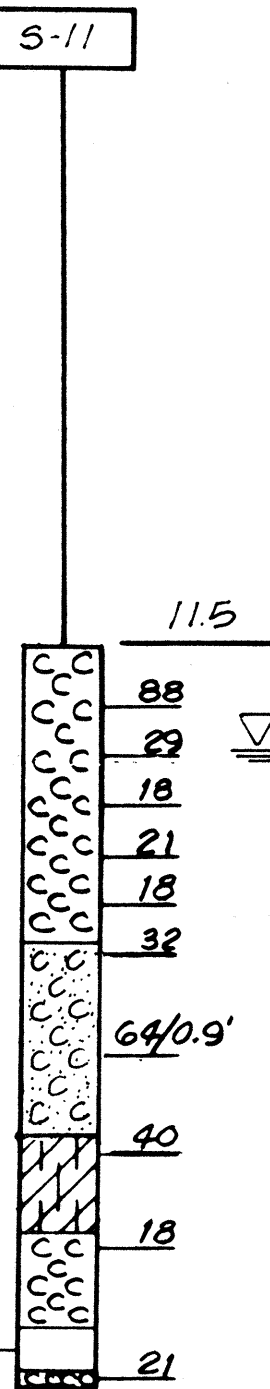
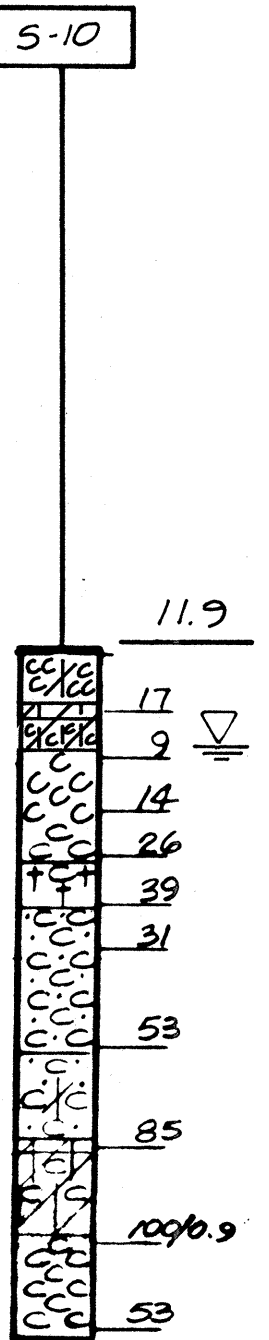
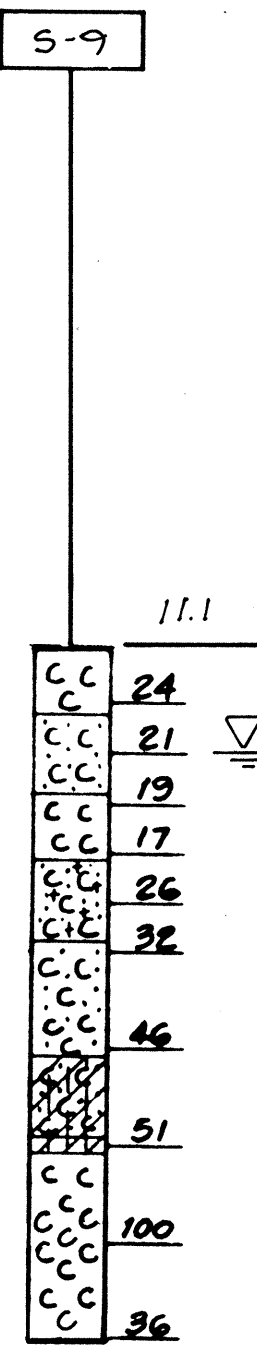
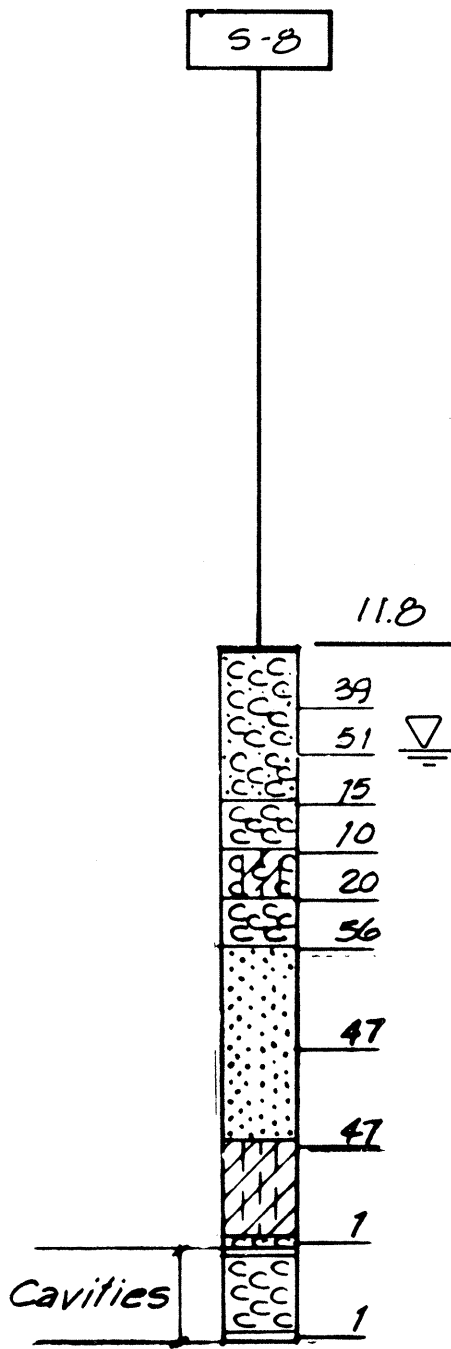
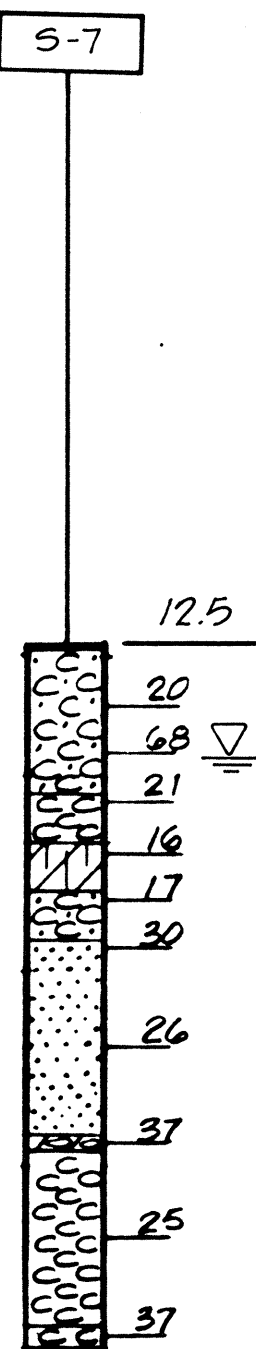
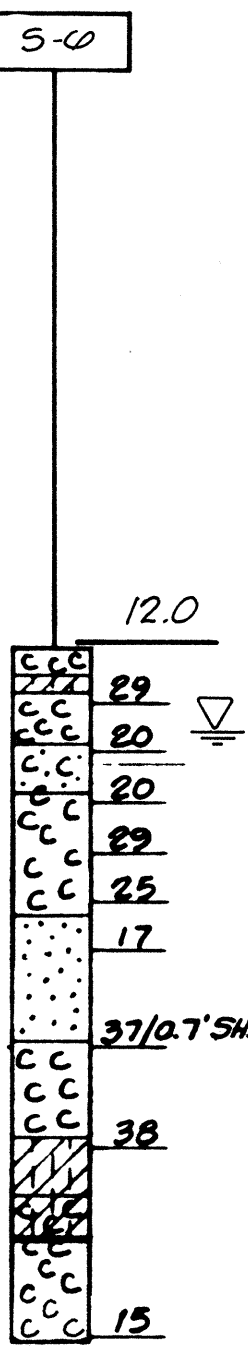
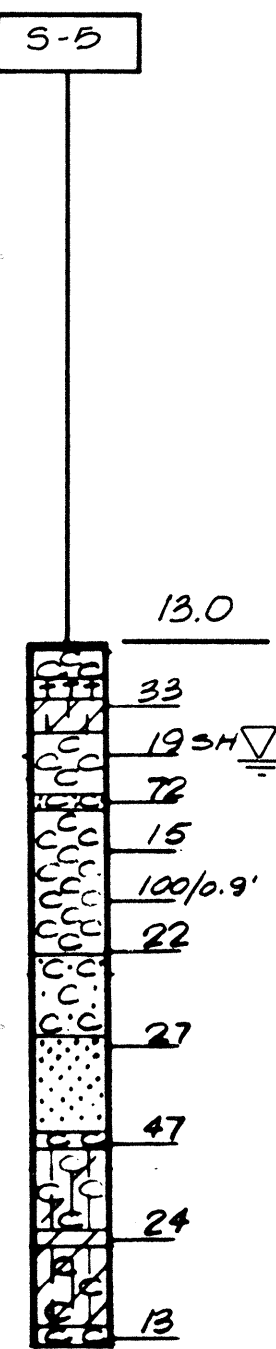
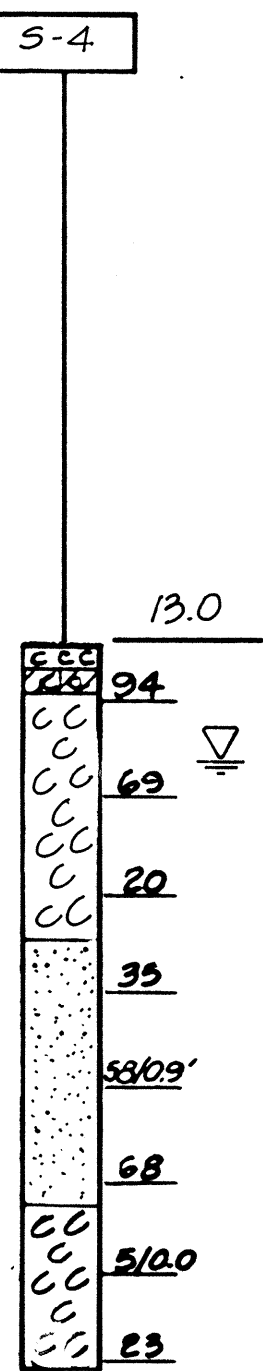
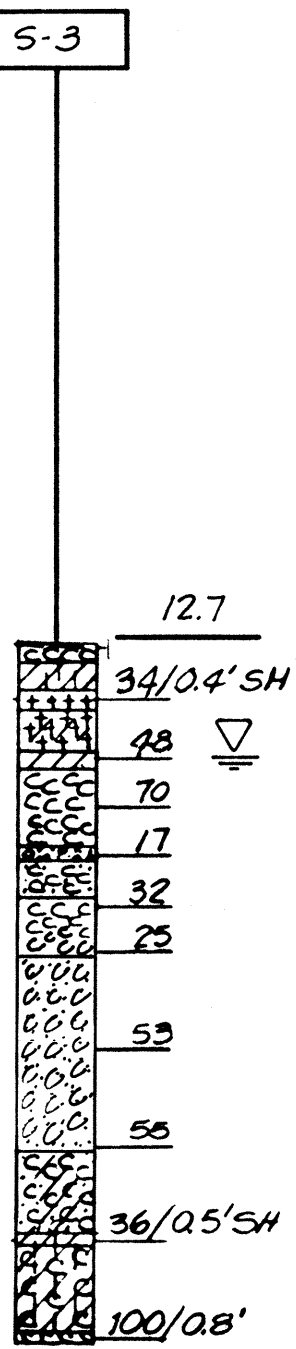
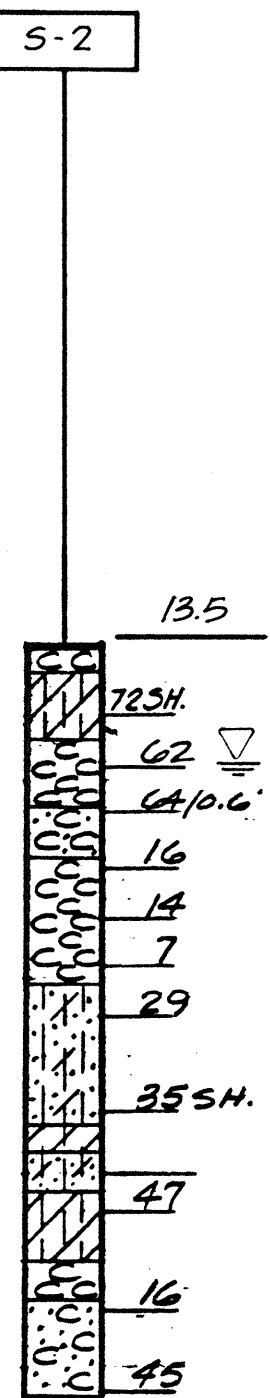
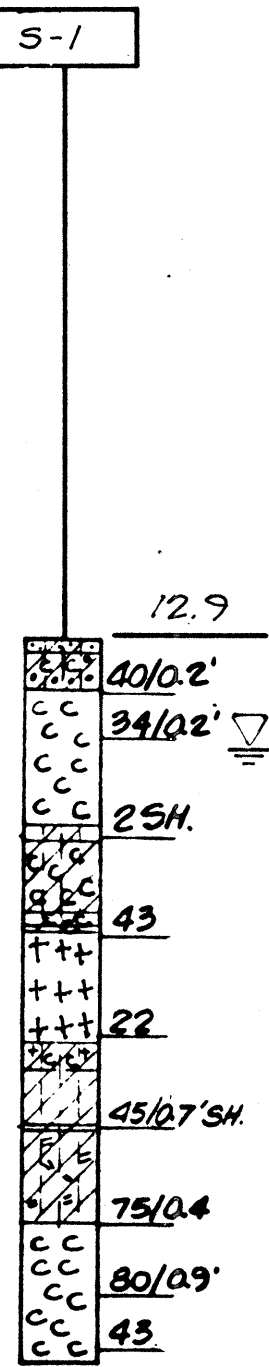
N — NUMBER OF BLOWS OF 140 LB. HAMMER FALLING 30" PER FOOT OF PENETRATION OF SAMPLE, EITHER SPLIT SPOON (2" O.D., 1 3/8" I.D.) OR SHELBY TUBE (SH.). WHERE SH. IS NOT LISTED, USE OF SPLIT SPOON SAMPLER IS UNDERSTOOD.

SOIL SYMBOLS REPRESENT A GENERALIZED CLASSIFICATION. FOR INSTANCE "TRACE" QUANTITIES ARE NOT DEPICTED IN GRAPHIC LOG. THE DELINEATION OF DENSITIES OF GRANULAR MATERIALS (LOOSE, MEDIUM, ETC.) AND CONSISTENCIES OF COHESIVE SOILS (SOFT, FIRM, STIFF, ETC.) ARE NOT SHOWN OTHER THAN THE VALUES GIVEN AT SPECIFIC DEPTHS. SOIL COLORS ARE NOT GIVEN. SEE INSPECTOR'S LOGS FOR DETAILED CLASSIFICATION. INSPECTOR'S LOGS AND LABORATORY TEST DATA ARE AVAILABLE FOR CONTRACTORS USE UPON REQUEST.

BORING LOGS AND TEST DATA ARE SUPPLIED FOR THE CONVENIENCE OF BIDDERS ONLY AND THEIR USE IS SUBJECT TO ALL THE CONDITIONS AND LIMITATIONS SET FORTH IN SUBSECTION 102.05 OF THE STANDARD SPECIFICATIONS.

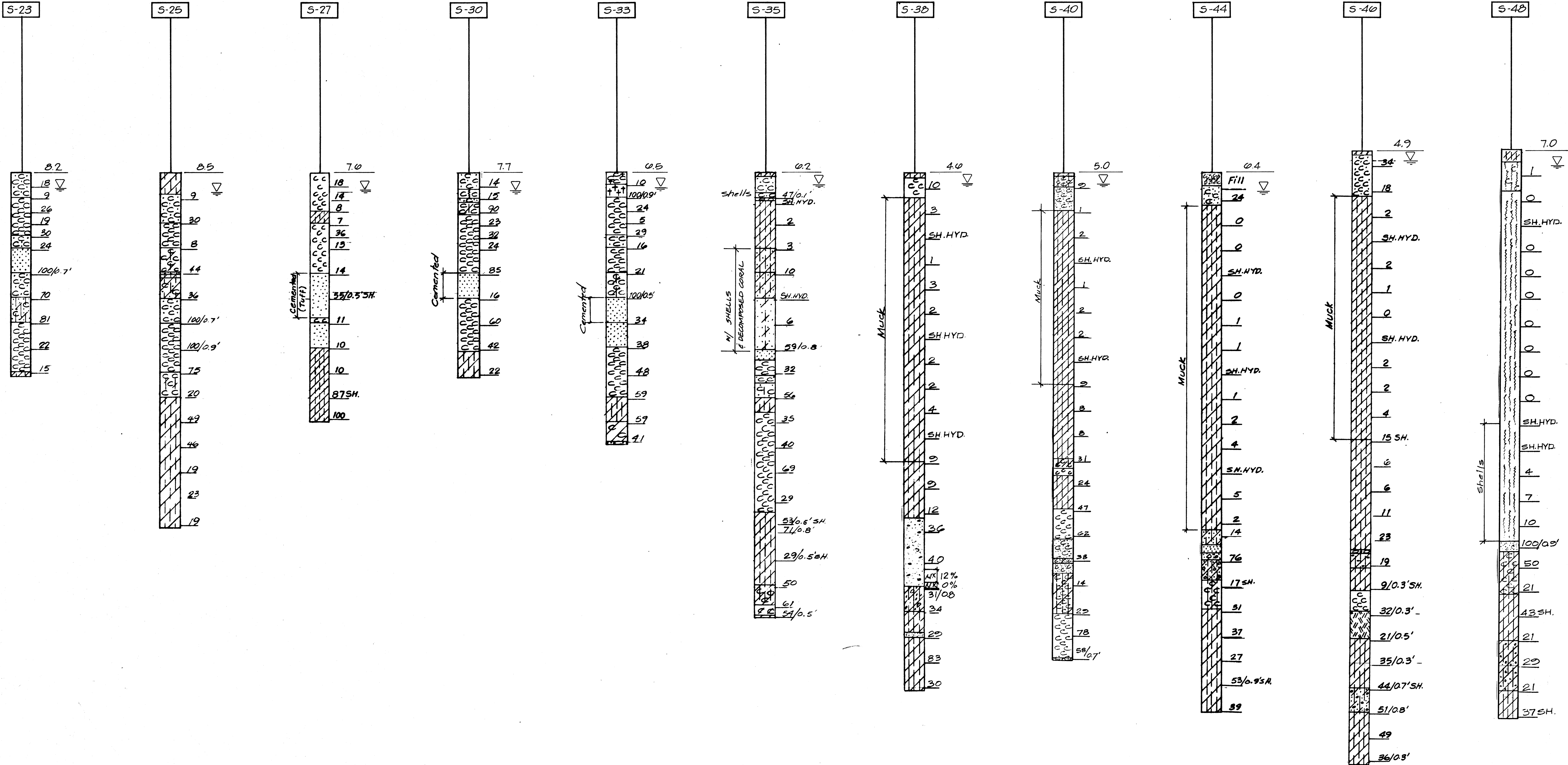
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION KEEHI INTERCHANGE BORING LOGS

INTERSTATE ROUTE H-1
PROJECT No. I-HI-1 (131):17
SCALE: 1"=20' VERT. DATE: AUG. 31, 1977
SHEET No. B-3 OF B-14 SHEETS

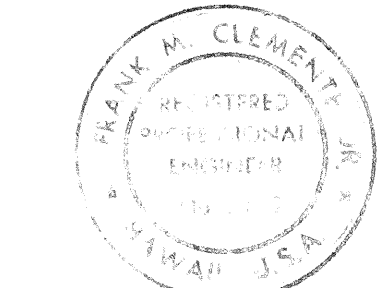


DATE	
SURVEY PLOTTED BY	
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
NO.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-HI-1(131)17	1977	218	394



SURVEY PLOTTED BY	DATE
DESIGNED BY	
NOTED BY	
CHECKED BY	
NO.	



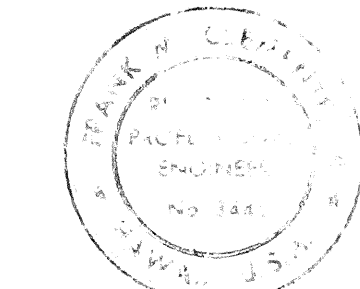
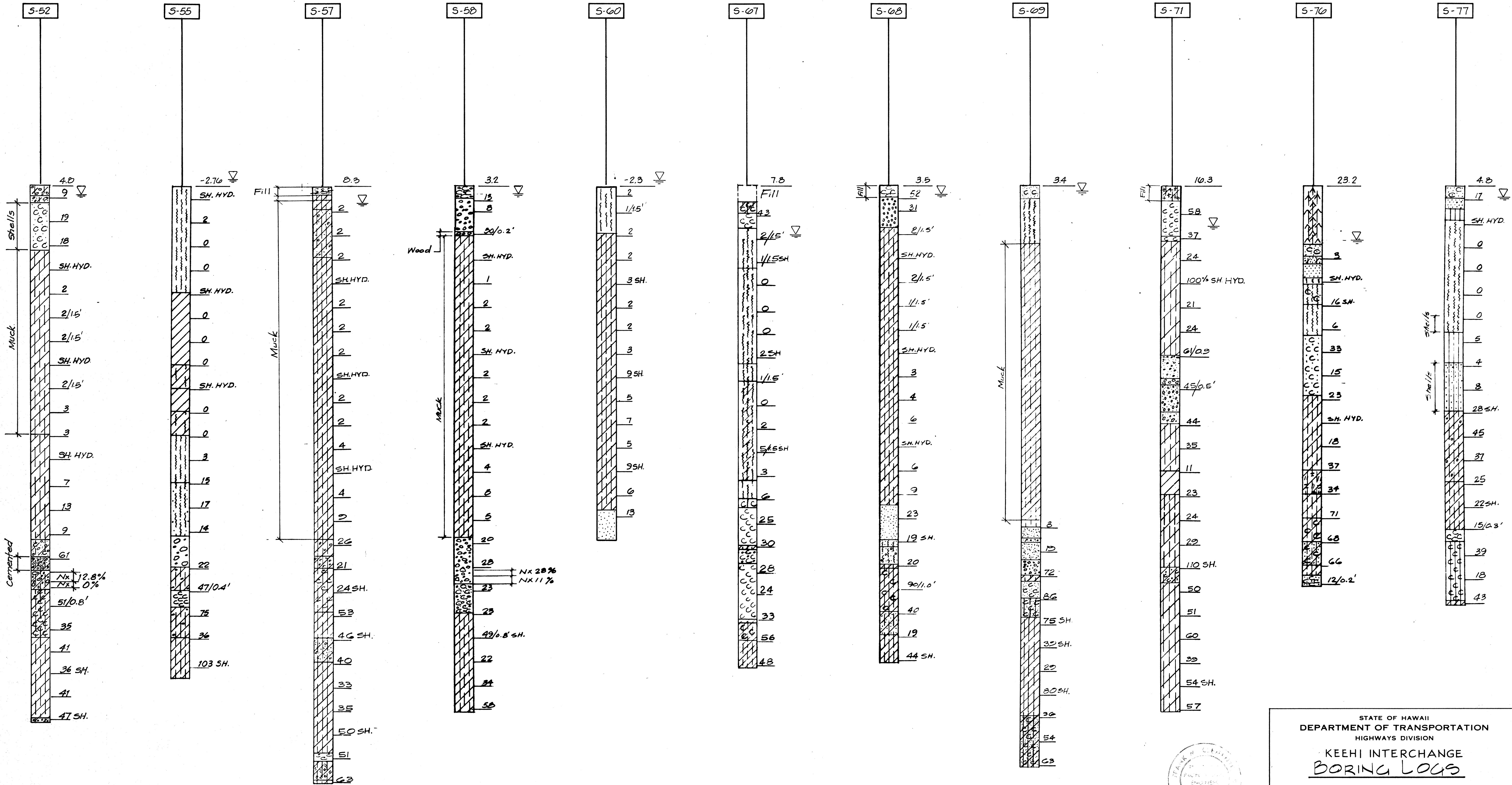
THIS BORING WAS PREPARED BY
ME OR UNDER MY SUPERVISION
Frank M. Clement

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

KEEHI INTERCHANGE
BORING LOGS

INTERSTATE ROUTE H-1
PROJECT NO. I-HI-1 (131)17
SCALE: 1"=20' VERT. DATE: AUG. 31, 1977
SHEET NO. B-4 OF B-14 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(131):17	1977	219	394



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**KEEHI INTERCHANGE
BORING LOGS**

INTERSTATE ROUTE H-1
PROJECT NO. I-HI-1 (131):17

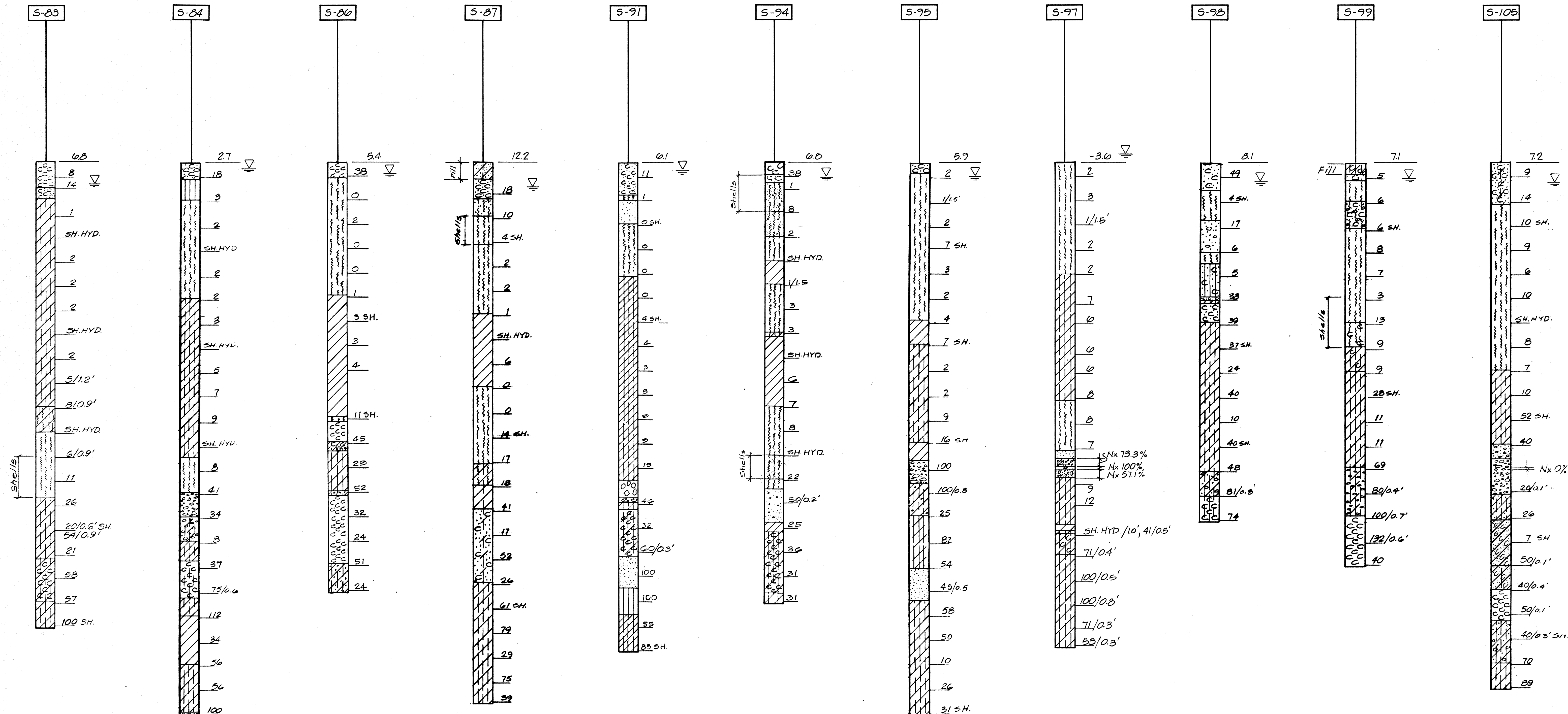
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SHEET NO. B-5 OF B-14 SHEETS

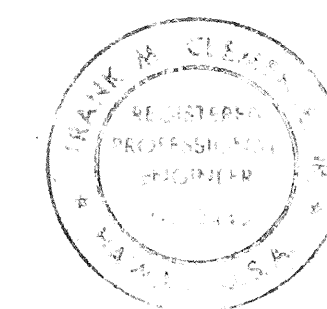
Frank M. Clements

DATE: _____
SURVEY PLOTTED BY: _____
DRAWN BY: _____
CHECKED BY: _____
ORIGINAL PLAN: _____
NOTE BOOK: _____
NO. _____

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H-1(13):17	1977	220	394



SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
CHECKED BY	
NO.	



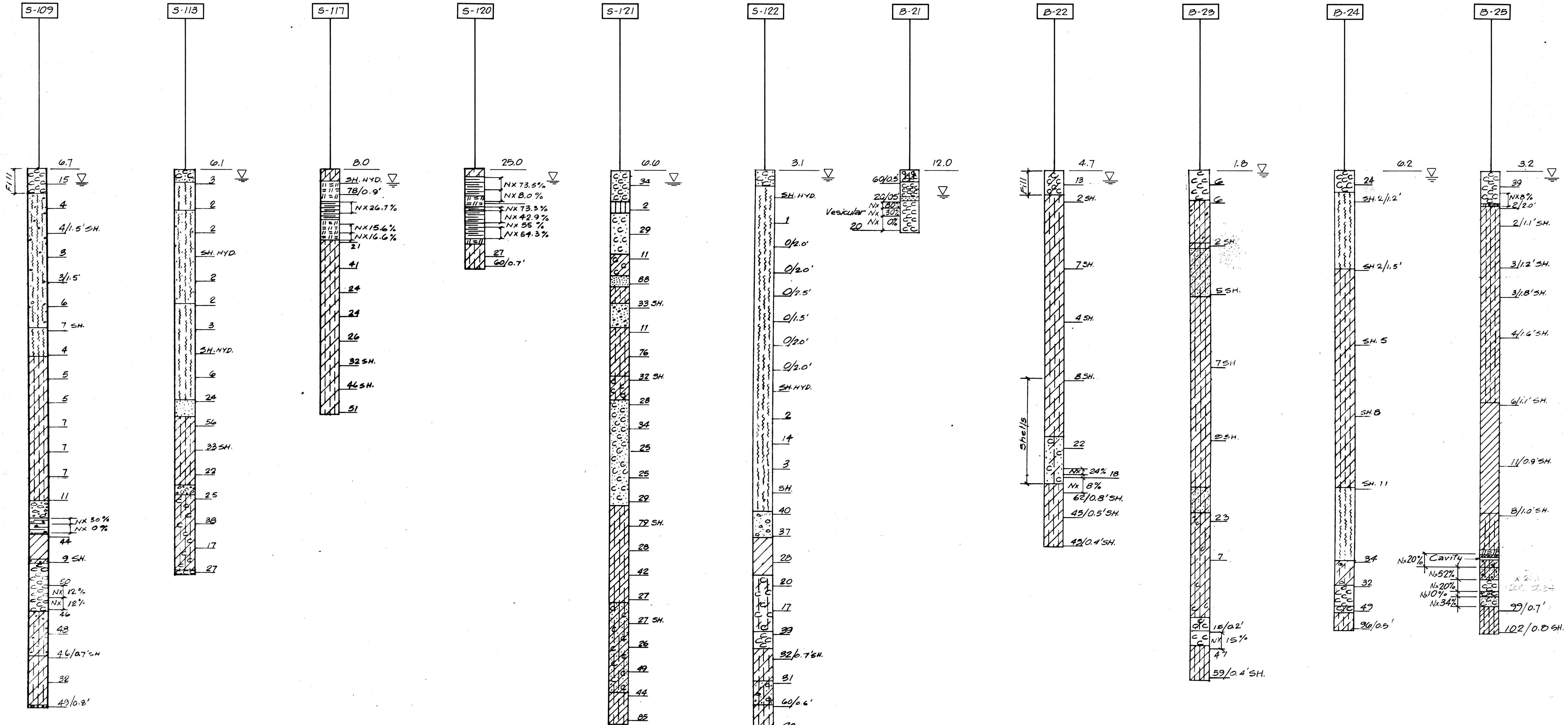
James M. Clements

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

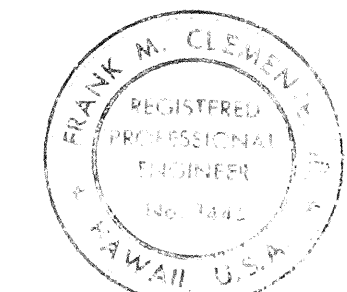
KEEHI INTERCHANGE BORING LOGS

INTERSTATE ROUTE H-1
PROJECT NO. I-H-1 (13):17
SCALE: 1"=20' VERT. DATE: AUG. 31, 1977
SHEET NO. B-6 OF B-14 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(131):17	1977	221	394



SURVEY PLOTTED BY	DATE
DESIGNED BY	
NOTED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
NO.	

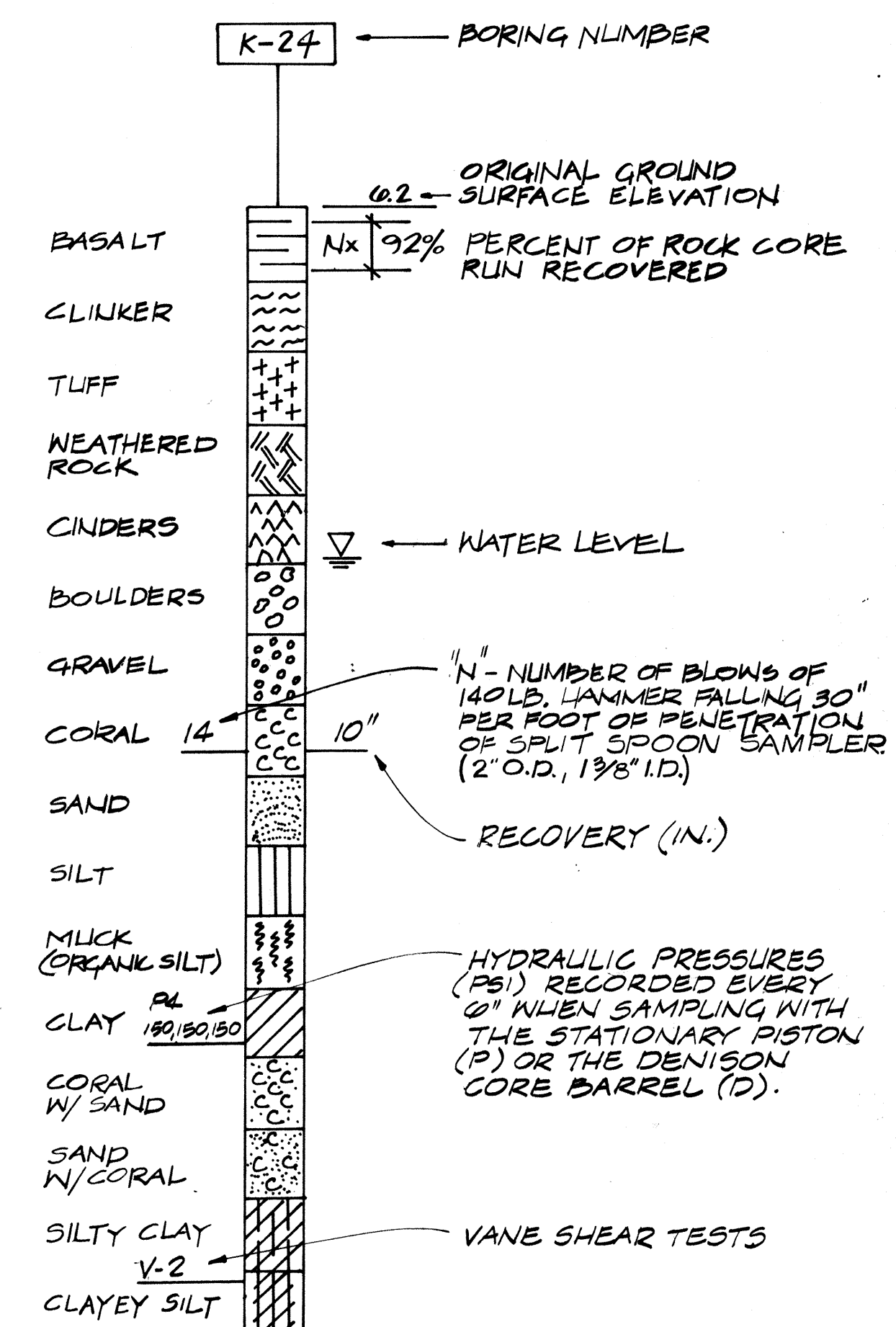


INTERPRETED BY
Frank M. Clever

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
KEEHI INTERCHANGE
BORING LOGS

INTERSTATE ROUTE H-1
PROJECT NO. I-HI-1 (131):17
SCALE: 1"=20' VERT. DATE: AUG. 31, 1977
SHEET NO. 8-7 OF 8-14 SHEETS

GENERAL NOTES AND LEGEND



HYDRAULIC PRESSURES (PSI) RECORDED EVERY 6" WHEN SAMPLING WITH THE STATIONARY PISTON (P) OR THE DENISON CORE BARREL (D).

VANE SHEAR TESTS

KEEHI INTERCHANGE BORING LOGS

INTERSTATE ROUTE H-1
PROJECT NO. I-HI-1 (131):17

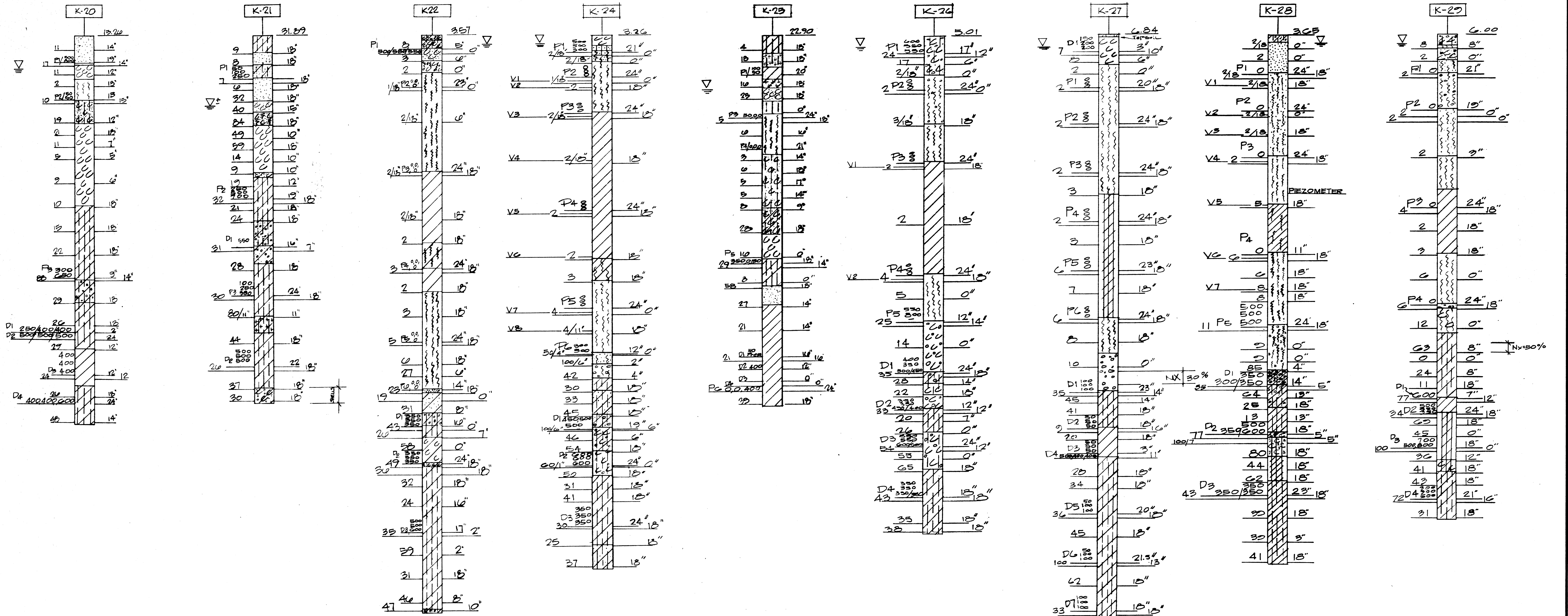
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SHEET No. 89 OF 8-14 SHEETS

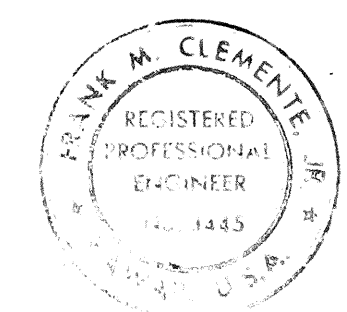
223

ORIGINAL PLAN	SURVEY PLOTTED BY _____	DATE _____
	DRAWN BY _____	_____
	TRACED BY _____	_____
	DESIGNED BY _____	_____
	QUANTITIES BY _____	_____
	CHECKED BY _____	_____

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(131)17	1977	225	394



DATE _____
 SURVEY PLOTTED BY _____
 PLAN _____
 DESIGNED BY _____
 NOTE BOOK _____
 QUANTITIES BY _____
 CHECKED BY _____
 NO. _____

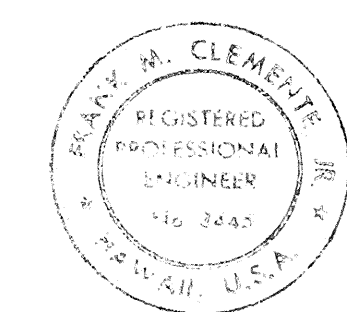
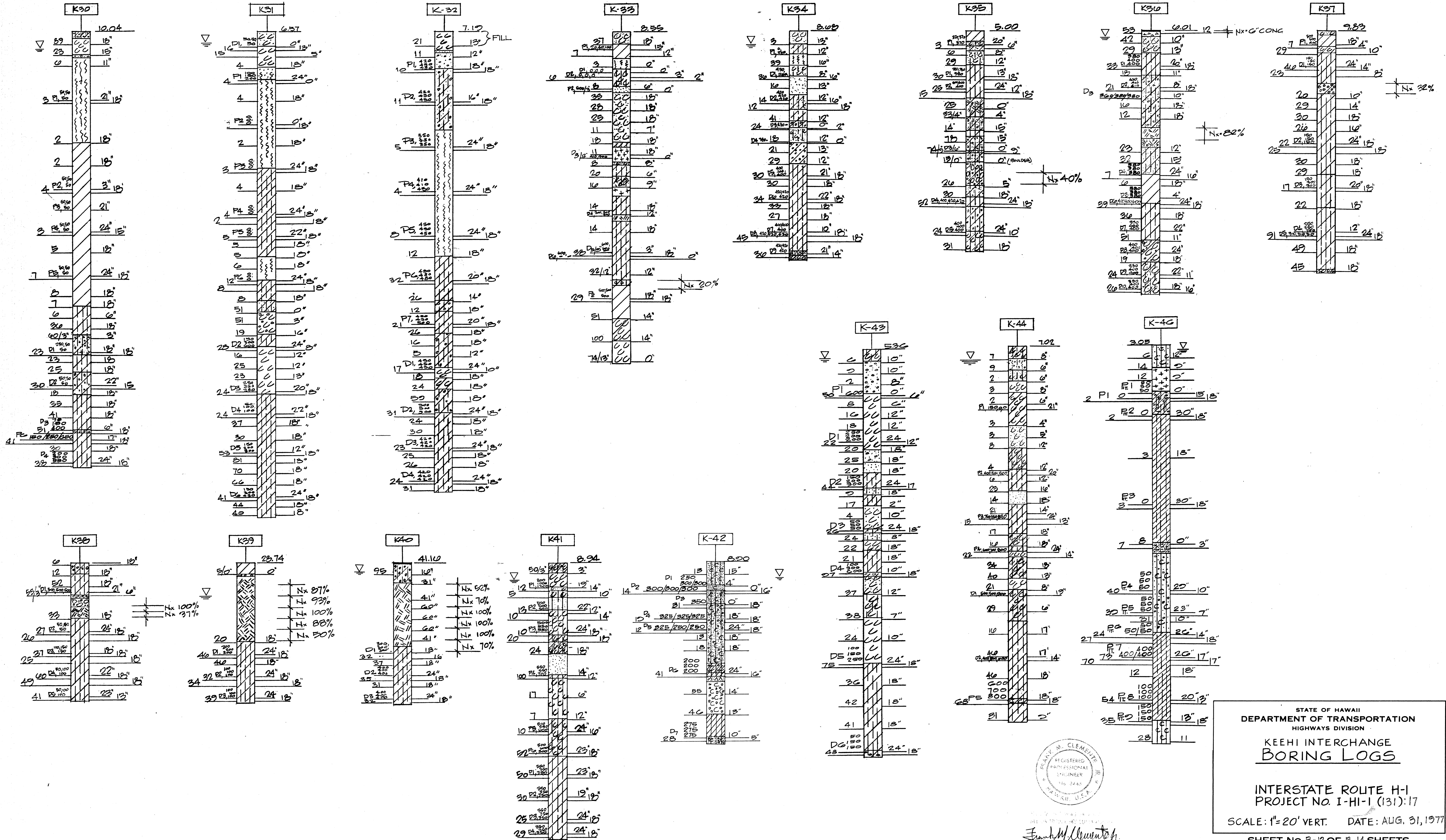


THIS WORK WAS PREPARED BY
 ME & R. UNDER MY SUPERVISION
Frank M. Clemente

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
 KEEHI INTERCHANGE
 BORING LOGS

INTERSTATE ROUTE H-1
 PROJECT NO. I-HI-1 (131)17
 SCALE: 1"=20' VERT. DATE: AUG. 31, 1977
 SHEET NO. 8-11 OF B-14 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-HI-1(131):17	1977	226	394



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

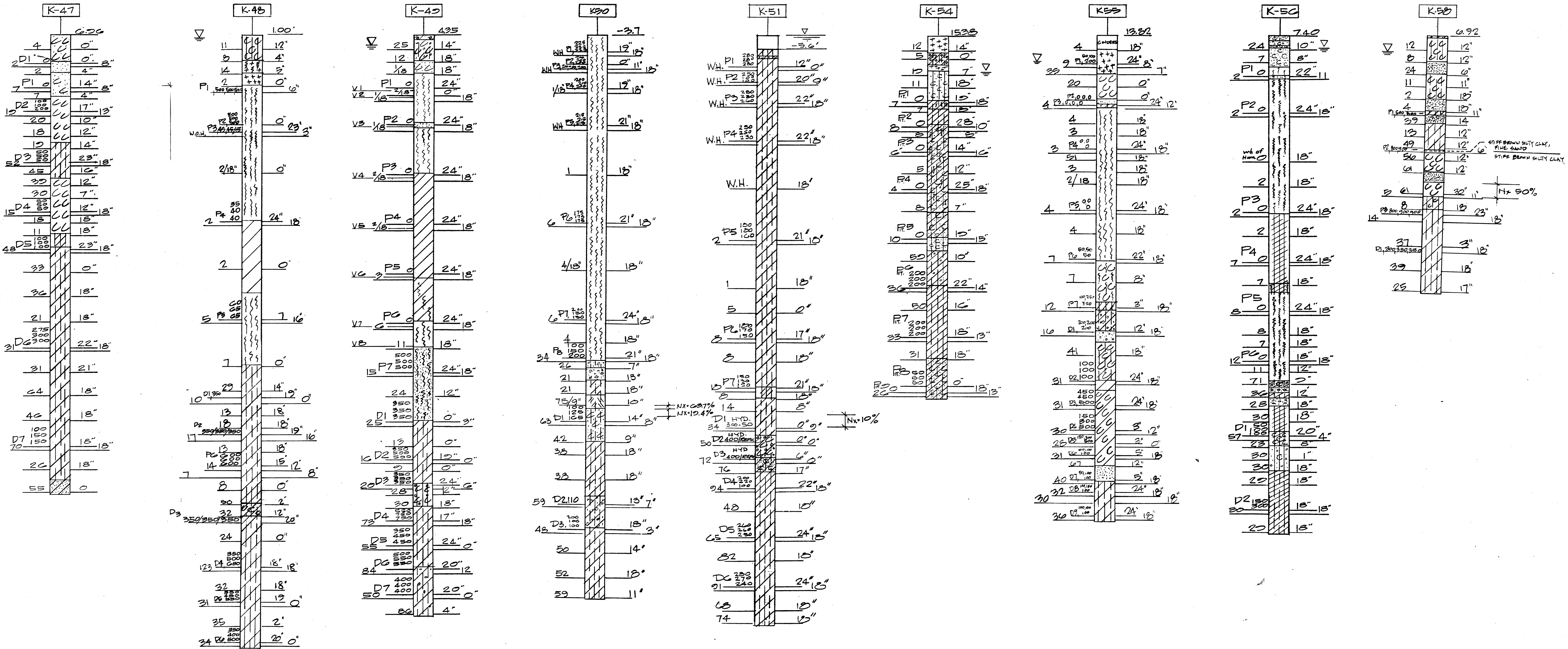
KEEHI INTERCHANGE
BORING LOGS

INTERSTATE ROUTE H-1
PROJECT NO. I-HI-1 (131):17

SCALE: 1"=20' VERT. DATE: AUG. 31, 1977

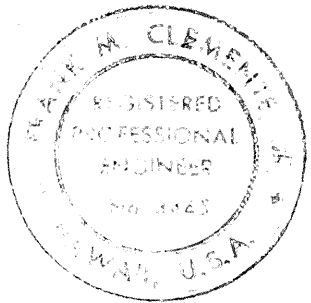
SHEET NO. B-12 OF B-14 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-HI-1(131):17	1977	227	394



SURVEY PLOTTED BY	DATE
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ORIGINAL PLAN	
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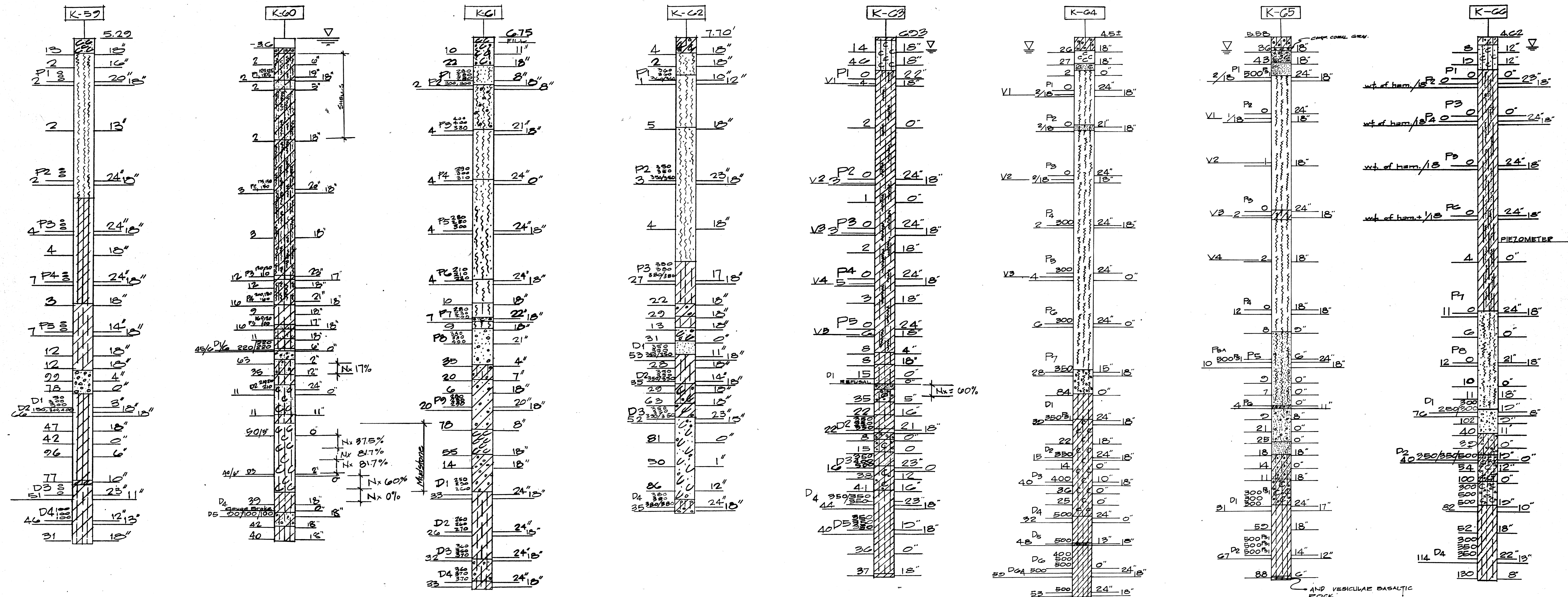
THIS WORK WAS PREPARED BY
AS OR UNDER MY SUPERVISION
Frank M. Clemente

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

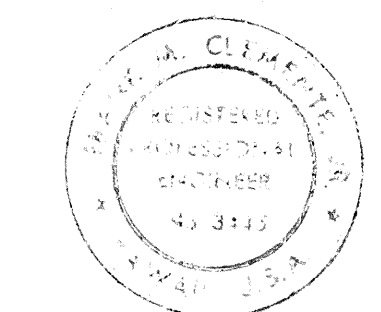
KEEHI INTERCHANGE
BORING LOGS

INTERSTATE ROUTE H-1
PROJECT NO. I-HI-1 (131):17
SCALE: 1"=20' VERT. DATE: AUG. 31, 1977
SHEET NO. 8-13 OF 8-14 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(131):17	1977	228	394



DATE
SURVEY PLOTTED BY
DRAWN BY
CHECKED BY
NOTE BOOK
QUANTITIES BY
No.



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
KEEHI INTERCHANGE
BORING LOGS
INTERSTATE ROUTE H-1
PROJECT NO. I-HI-1 (131):17
SCALE: 1" = 20' VERT. DATE: AUG. 31, 1977
SHEET NO. B-14 OF B-14 SHEETS