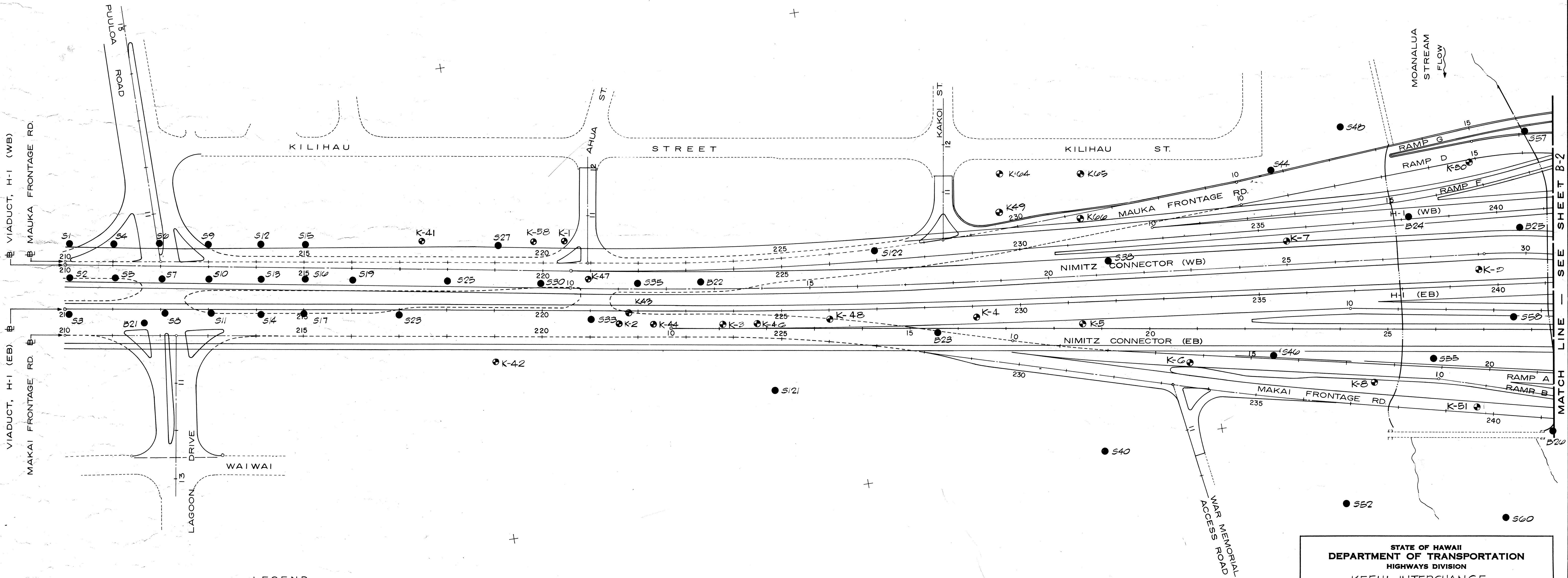
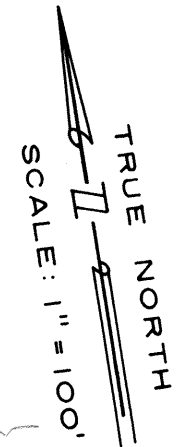


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(168):17	1982	46	145



LEGEND

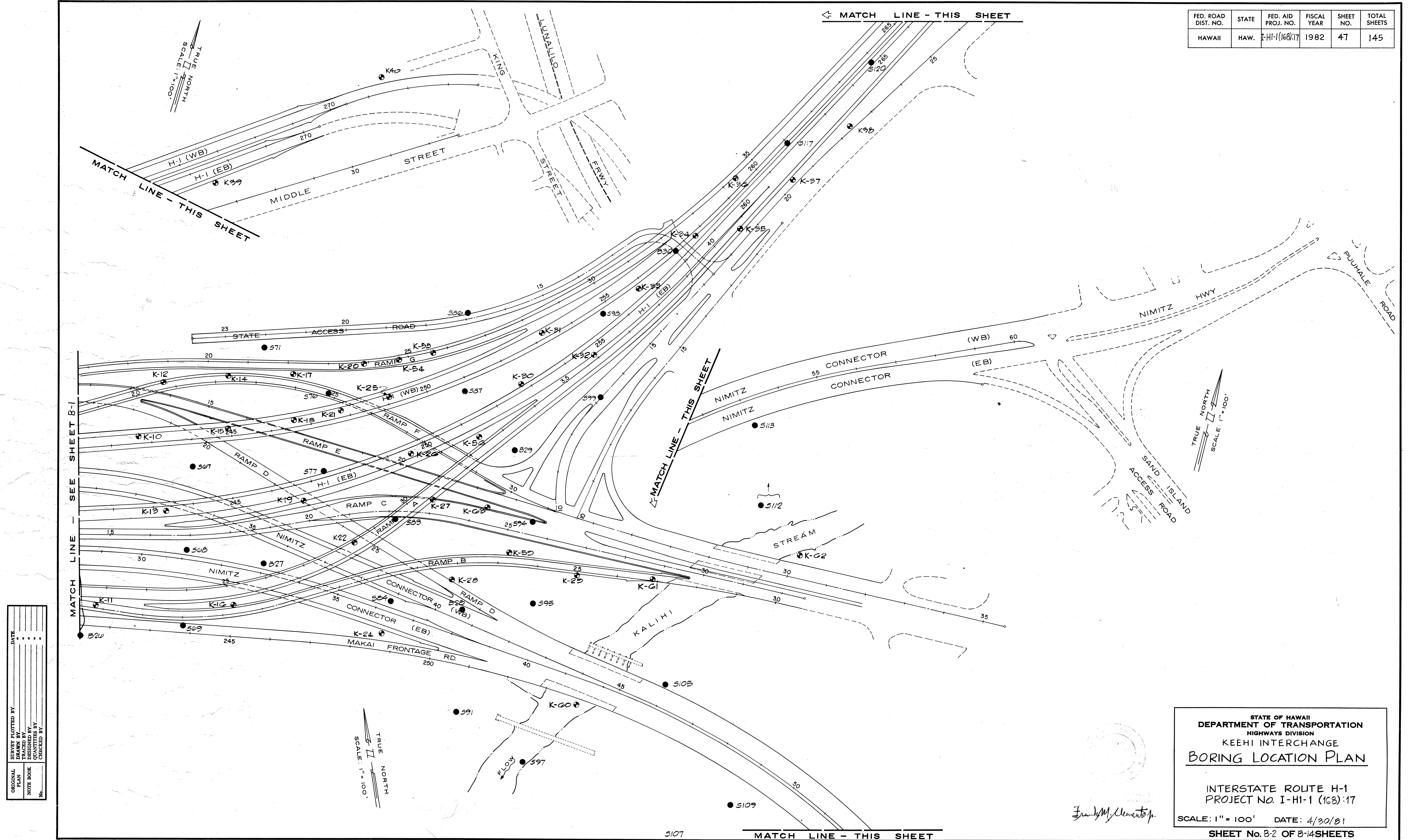
- VIADUCT STRUCTURE
- BELOW VIADUCT ON GRADE
- EXISTING

- 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 (168):17
SCALE: 1"=100' DATE: 4/30/81
SHEET No. B-1 OF B-14 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H1-1(168):17	1982	47	145



DATE	_____
SURVEYED BY	_____
DRAWN BY	_____
DESIGNED 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-HI-1(168):17	1982	48	145

GENERAL NOTES
AND LEGEND FOR
S & B BORINGS

S-24 BORING NUMBER

ORIGINAL GROUND SURFACE ELEVATION
92.2
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 SAMPLER, EITHER SPLIT SPOON (2" O.D., 138" 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 N VALUES GIVEN AT SPECIFIC DEPTHS. SOIL COLORS ARE NOT GIVEN. SEE INSPECTORS LOGS FOR DETAILED CLASSIFICATION. INSPECTORS 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 SET FORTH IN SUBSECTION 102.05 OF THE STANDARD SPECIFICATIONS.

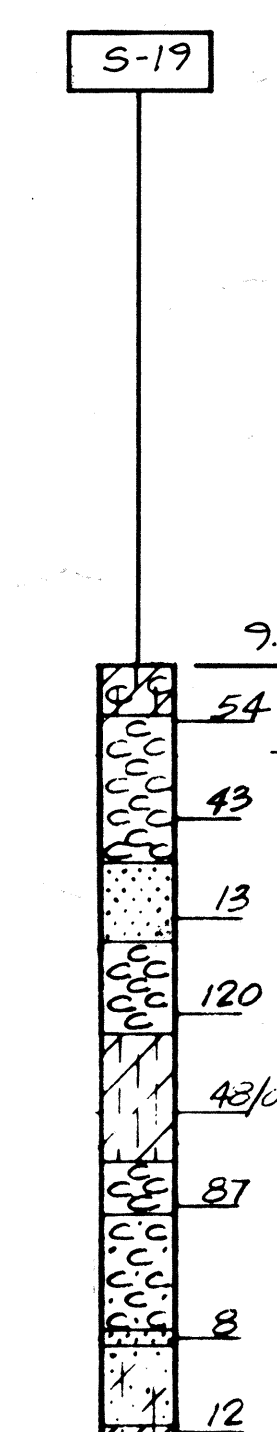
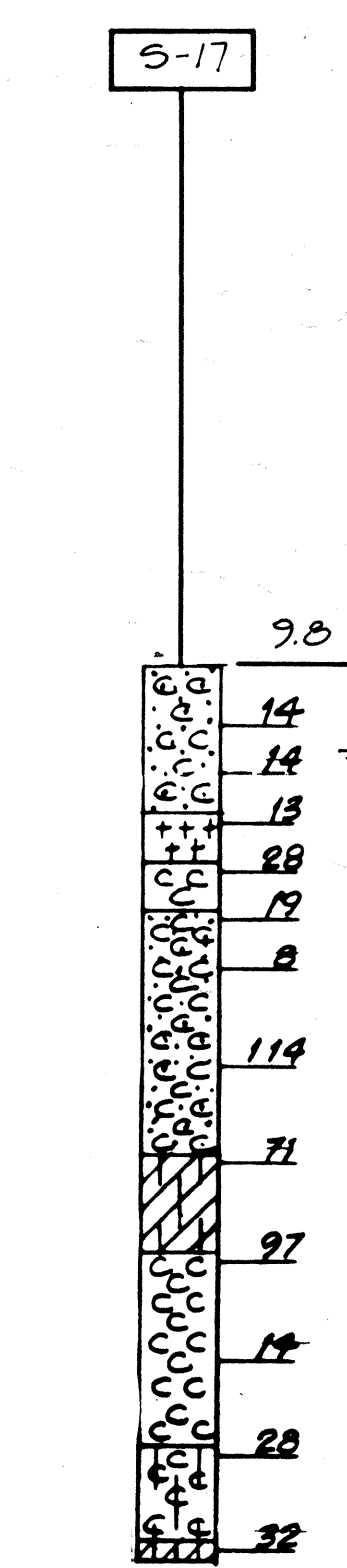
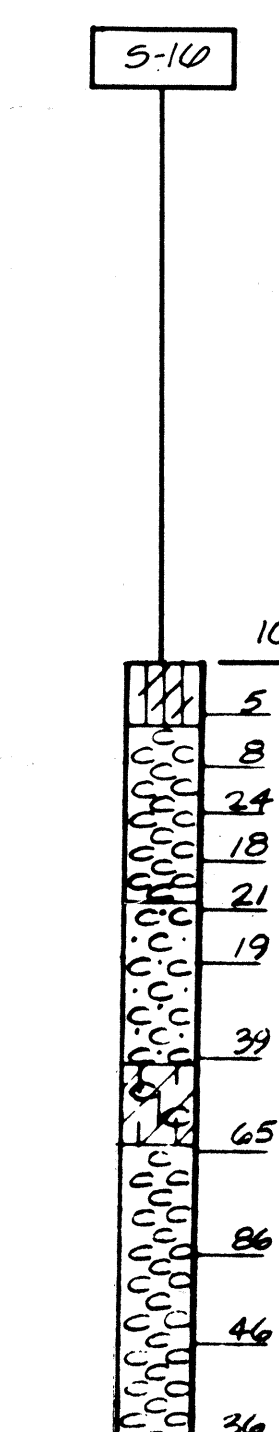
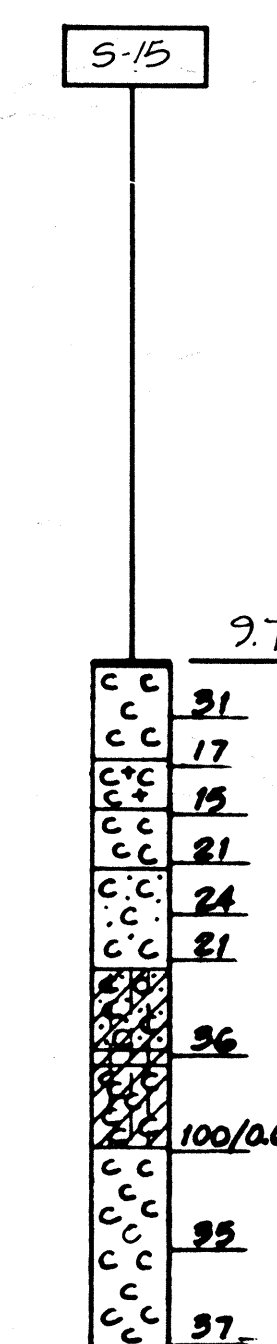
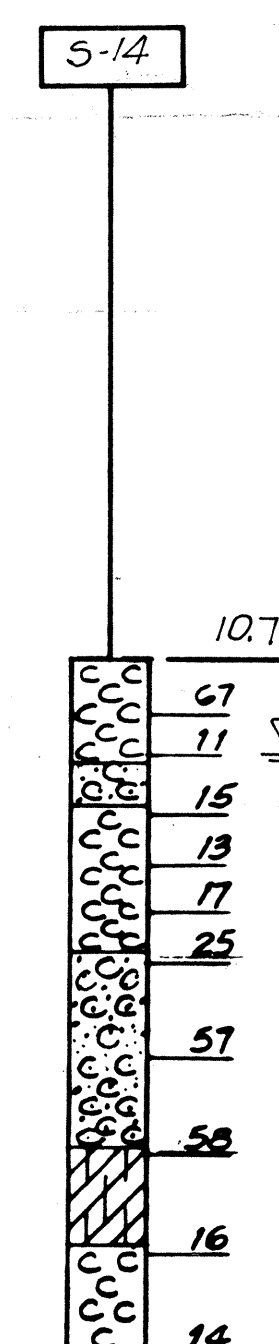
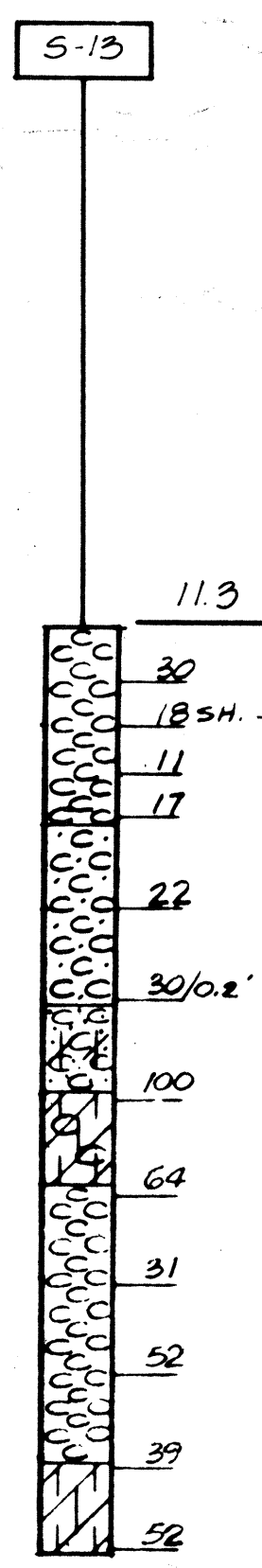
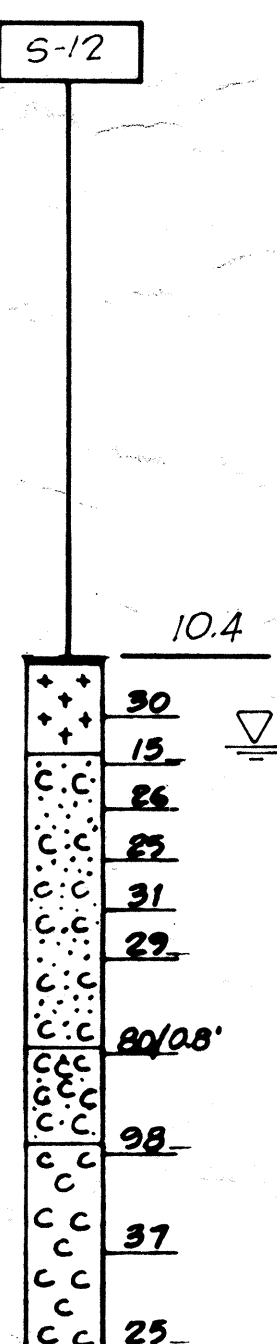
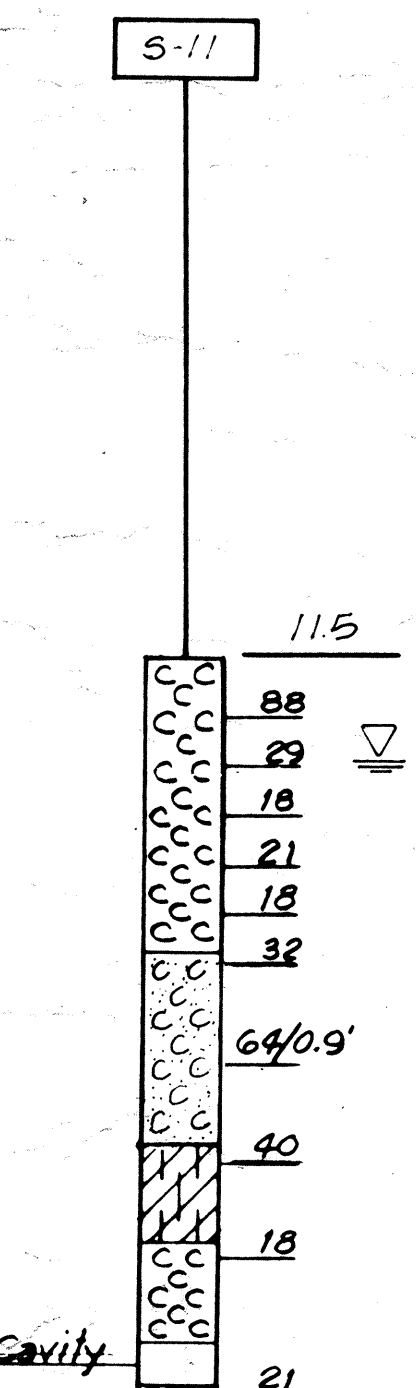
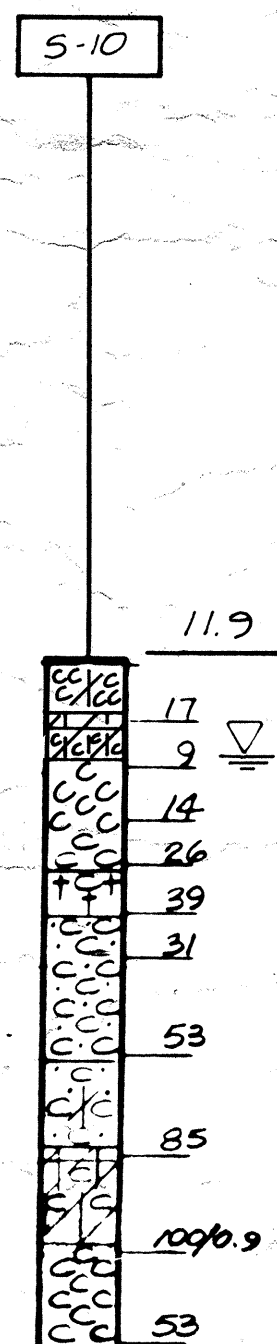
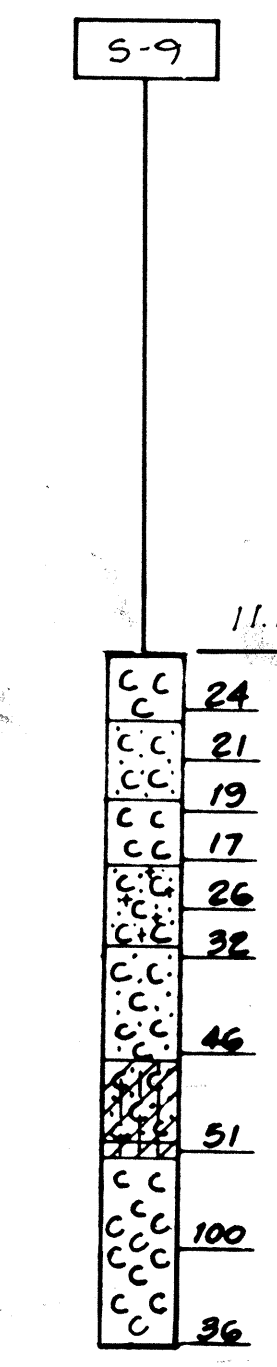
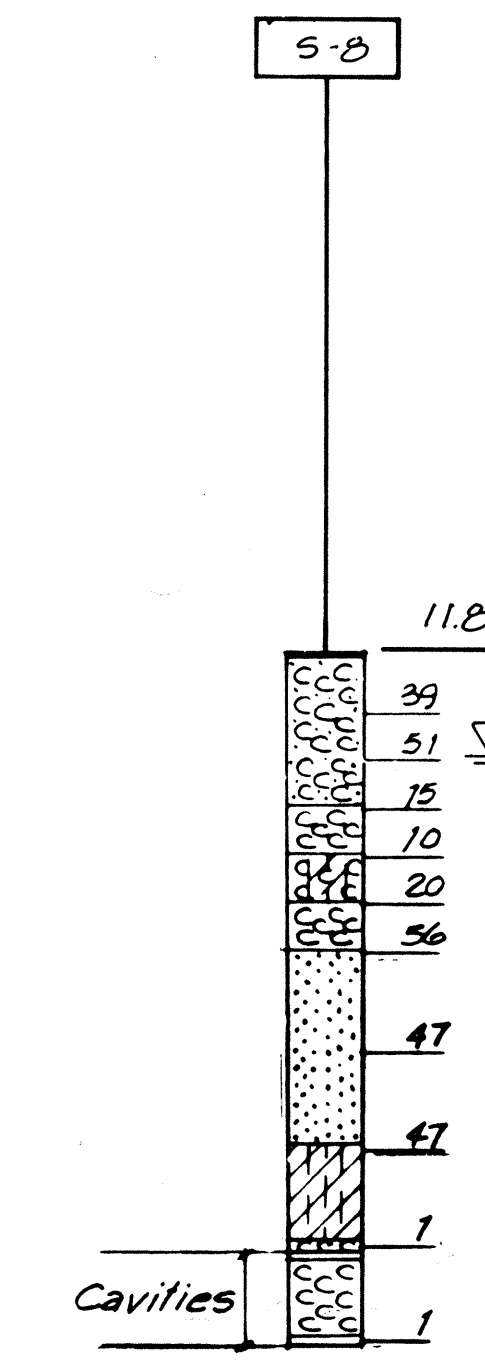
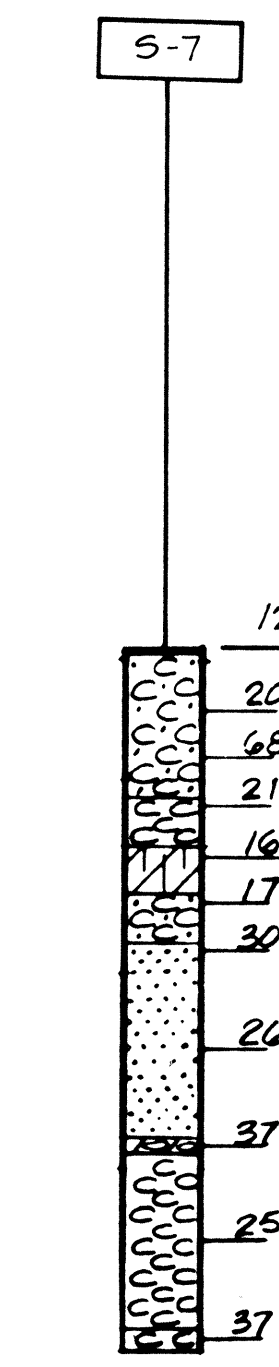
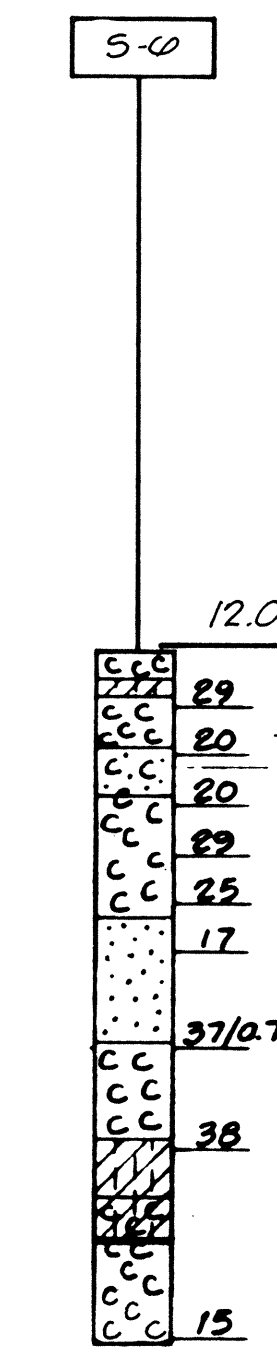
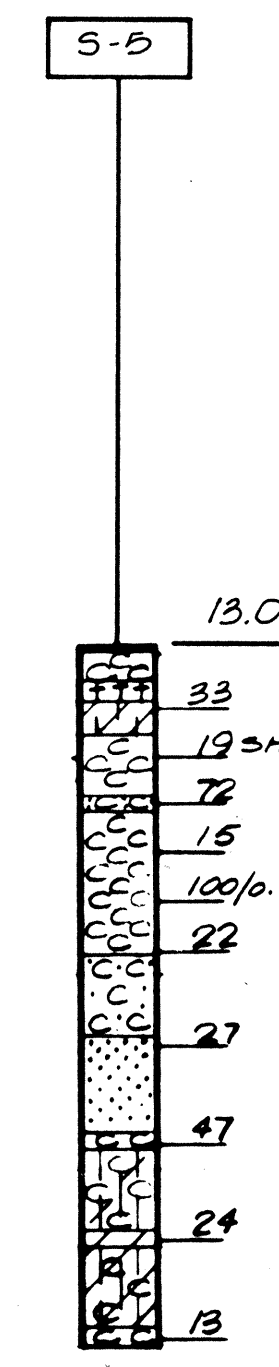
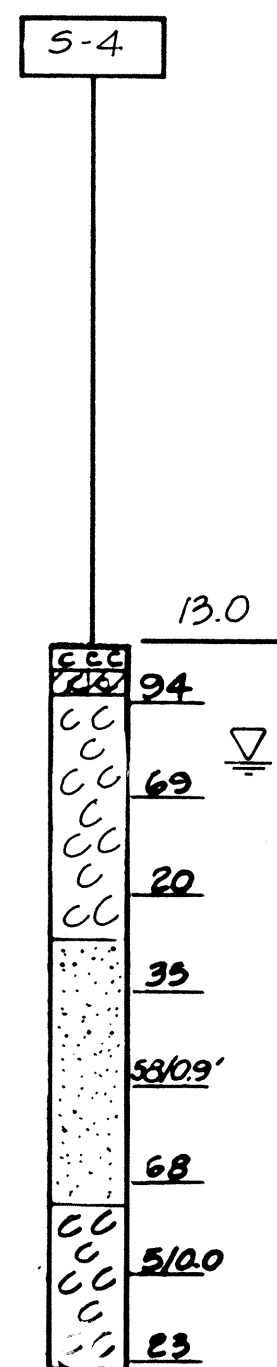
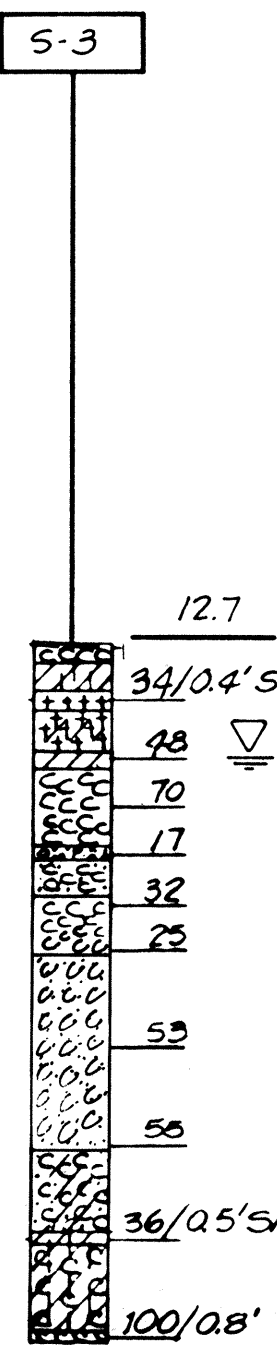
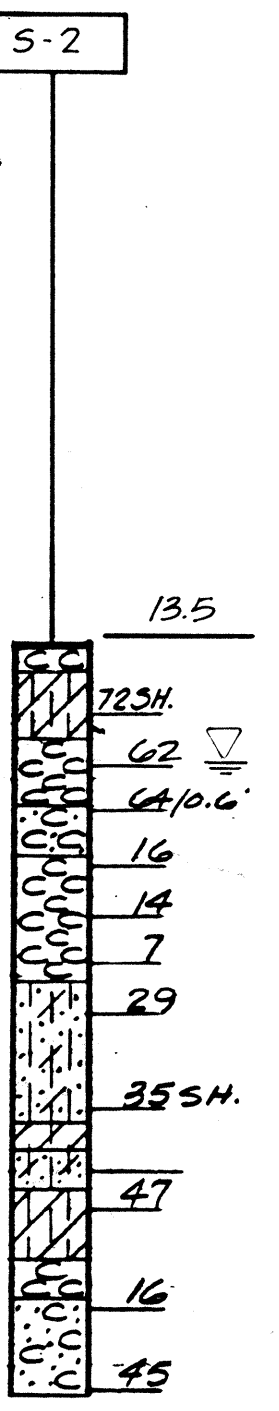
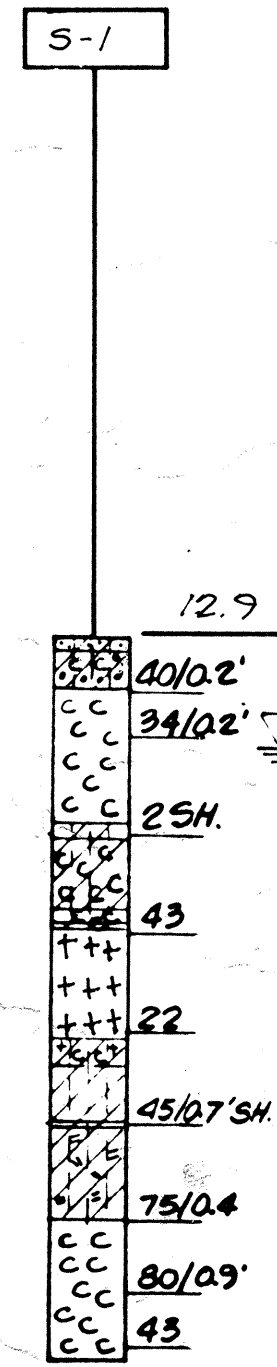
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

KEEHI INTERCHANGE
BORING LOGS

INTERSTATE ROUTE H-1
PROJECT No. I-HI-1 (168):17

SCALE: 1"=20' VERT. DATE: 4/30/81

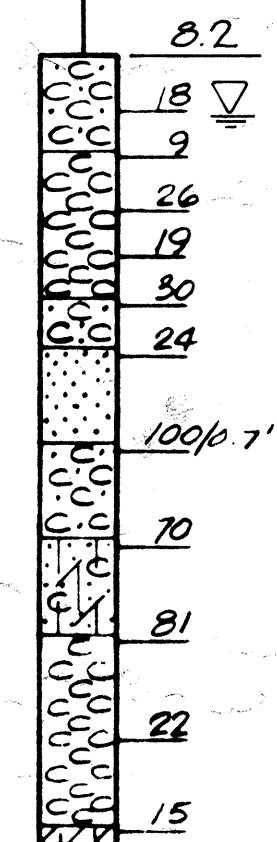
SHEET No. 8-3 OF 8-14 SHEETS



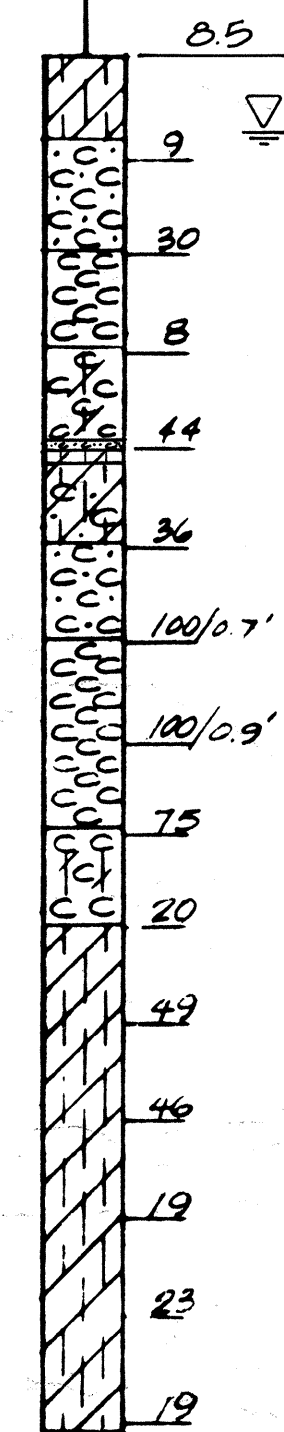
DATE	
SURVEY PLOTTED BY	
DRAWN BY	
TRACED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(168)17	1982	49	145

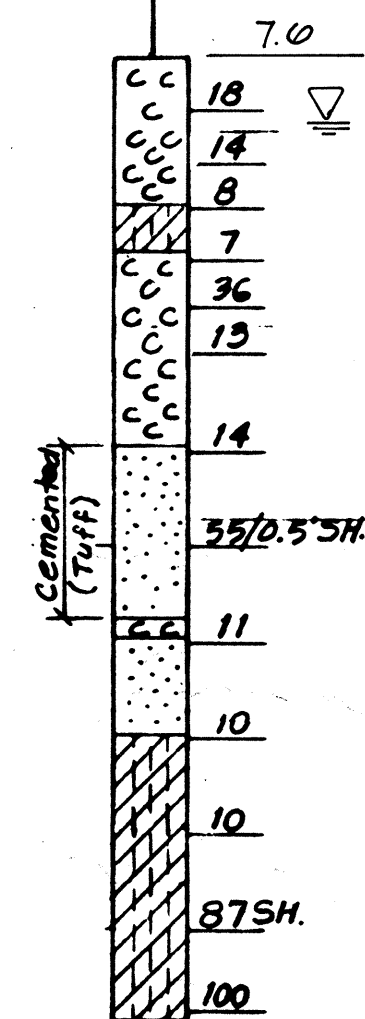
S-23



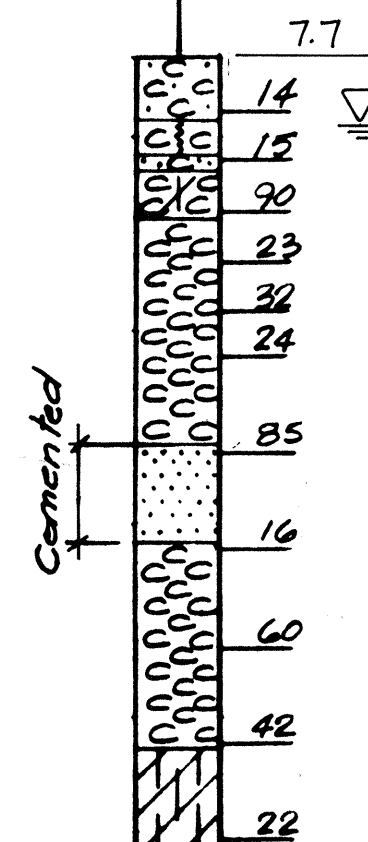
S-25



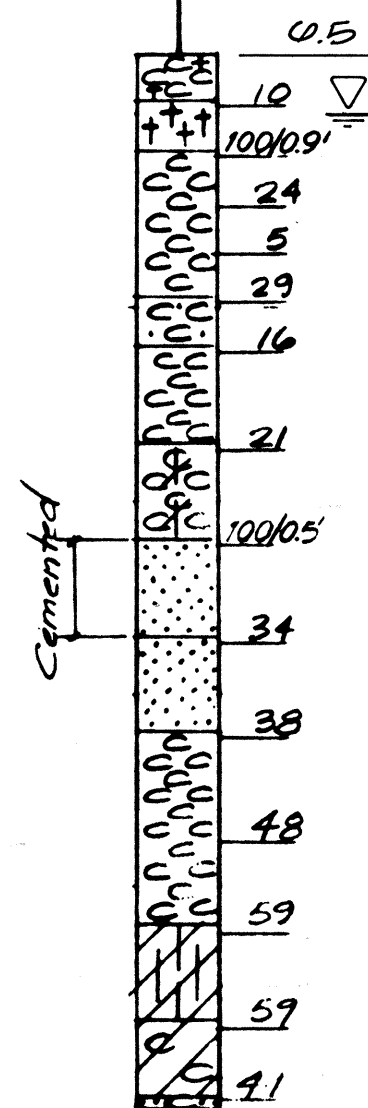
S-27



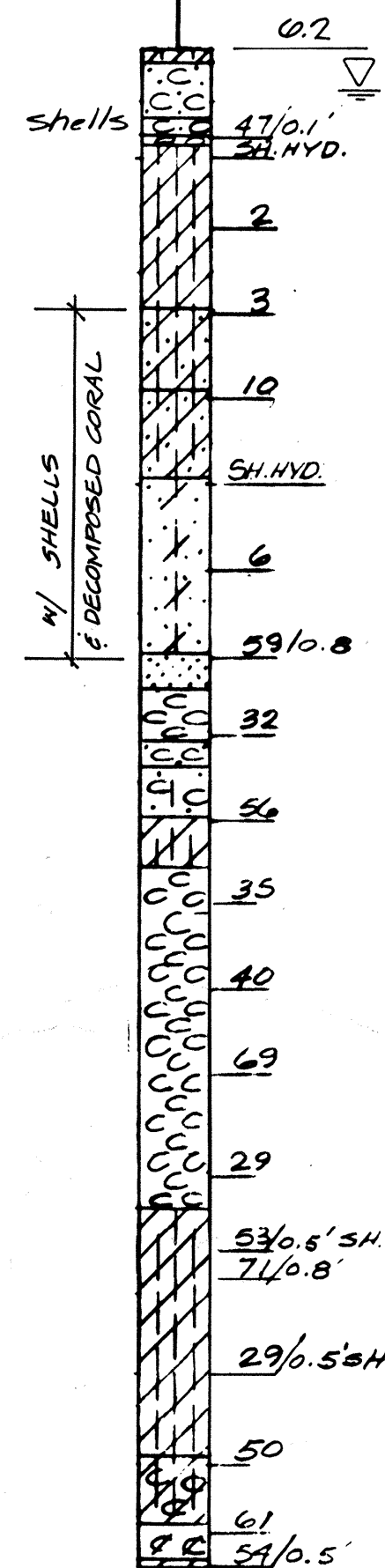
S-30



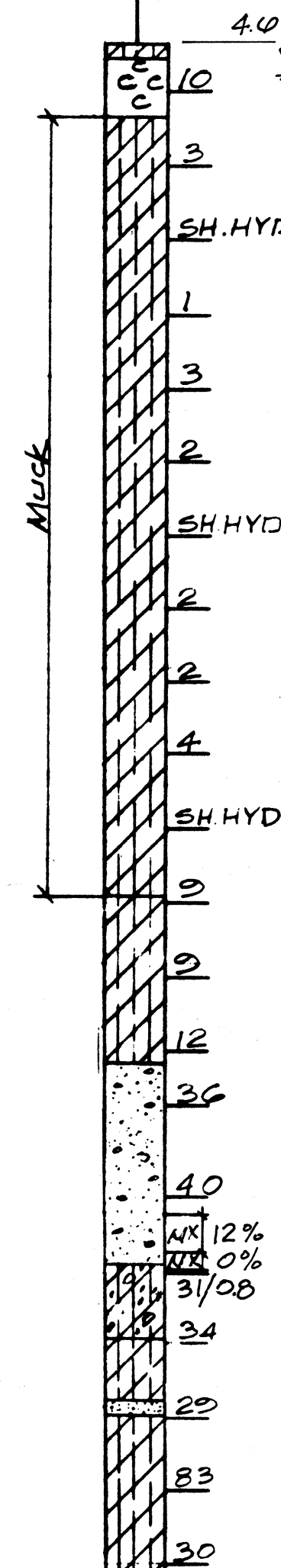
S-33



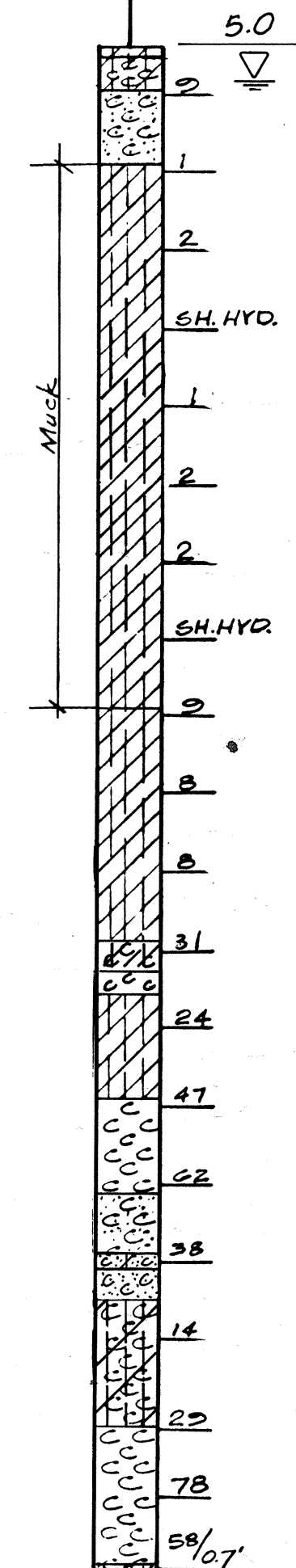
S-35



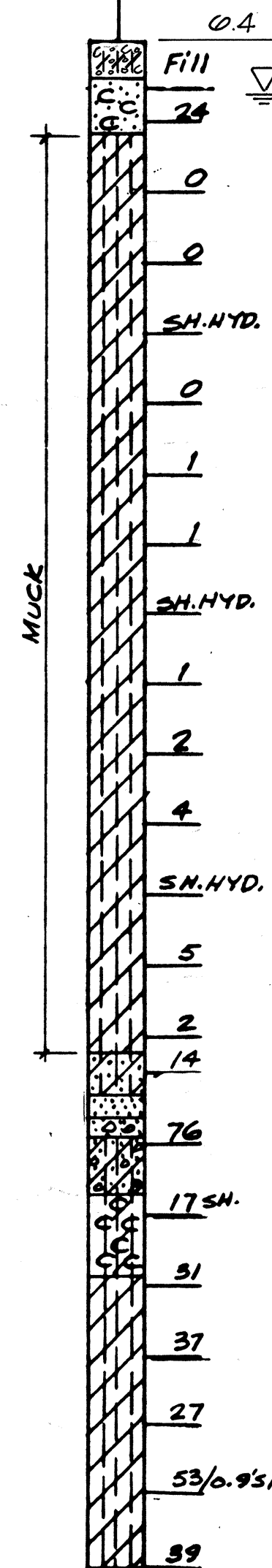
S-38



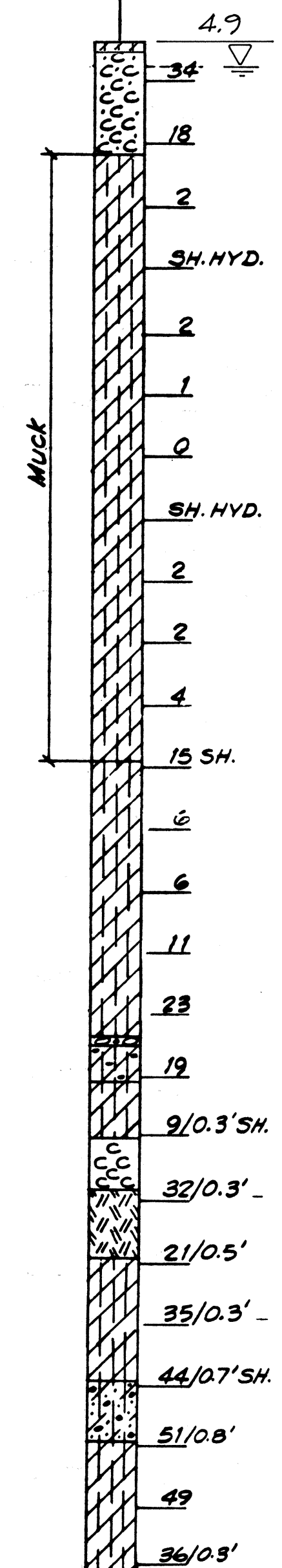
S-40



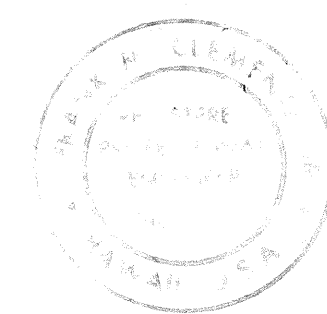
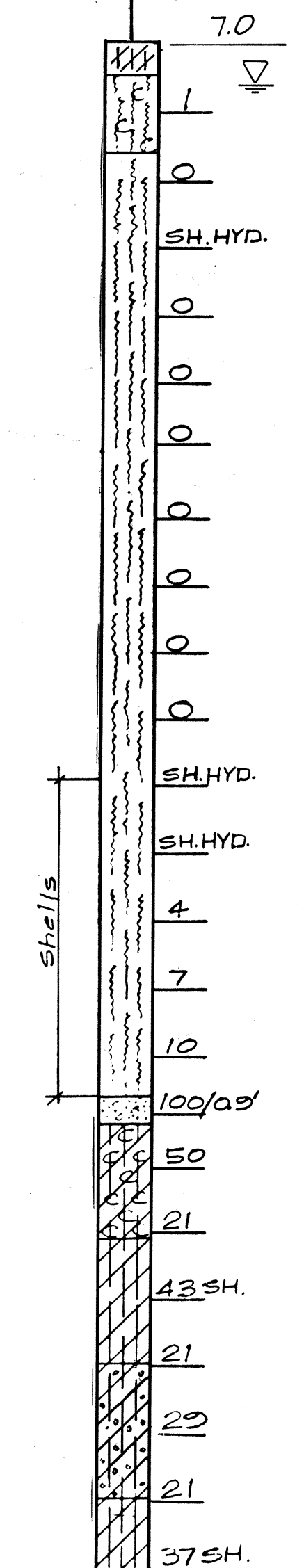
S-44



S-46



S-48



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

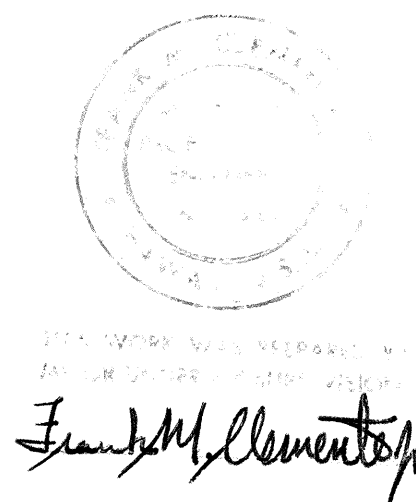
KEEHI INTERCHANGE
BORING LOGS

INTERSTATE ROUTE H-1
PROJECT No. I-HI-1(168)17
SCALE: 1"=20' VERT. DATE: 4/30/81

SHEET NO. 8-4 OF 8-14 SHEETS

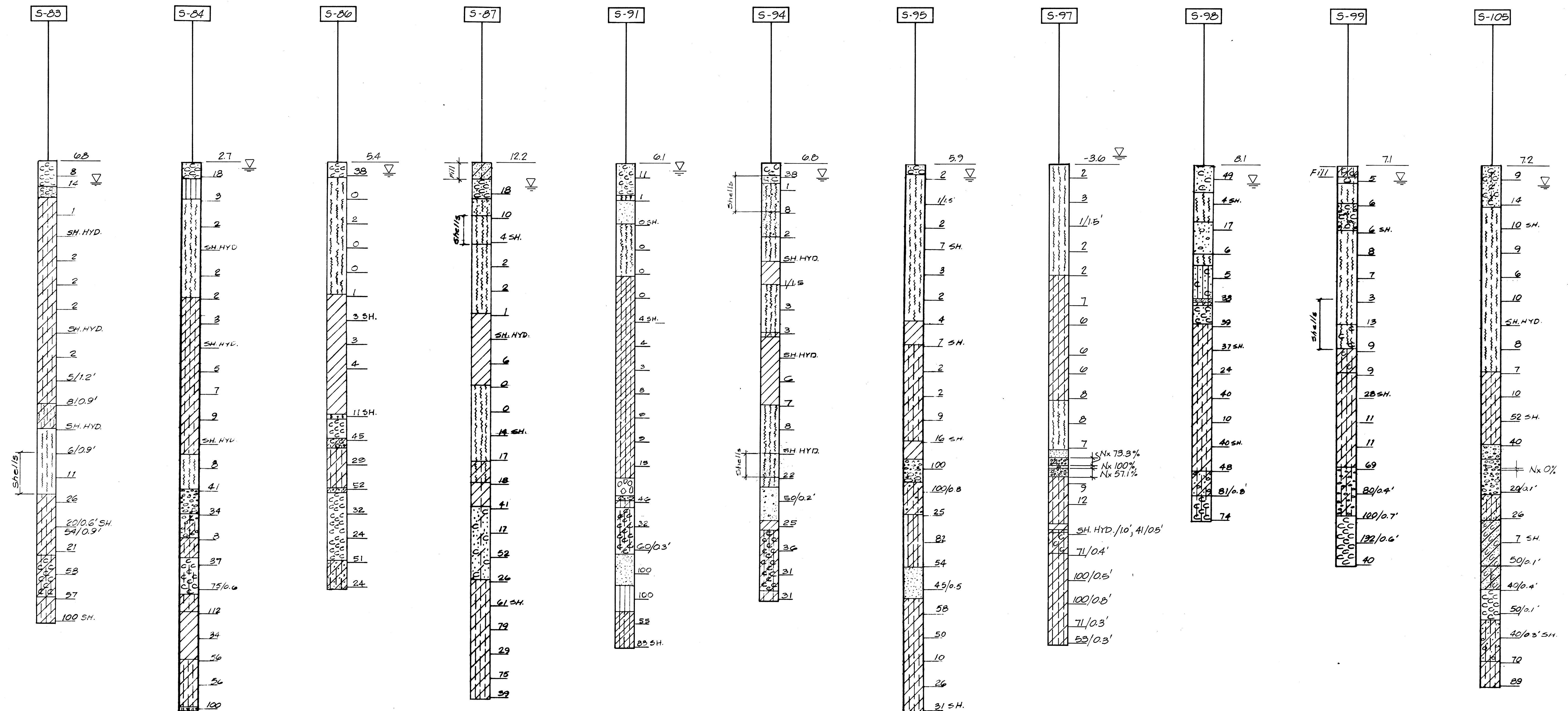
SURVEY PLOTTED BY	DATE
DRAWN BY	
NOTED BY	
CHECKED BY	
NO.	

ORIGINAL PLAN	SURVEY PLOTTED BY _____	DATE _____
	DRAWN BY _____	11 _____
	TRACED BY _____	12 _____
	DESIGNED BY _____	13 _____
	QUANTITIES BY _____	14 _____
NOTE BOOK	CHECKED BY _____	15 _____
	NO. _____	



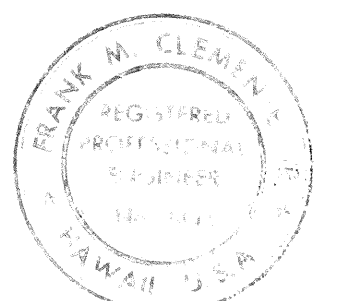
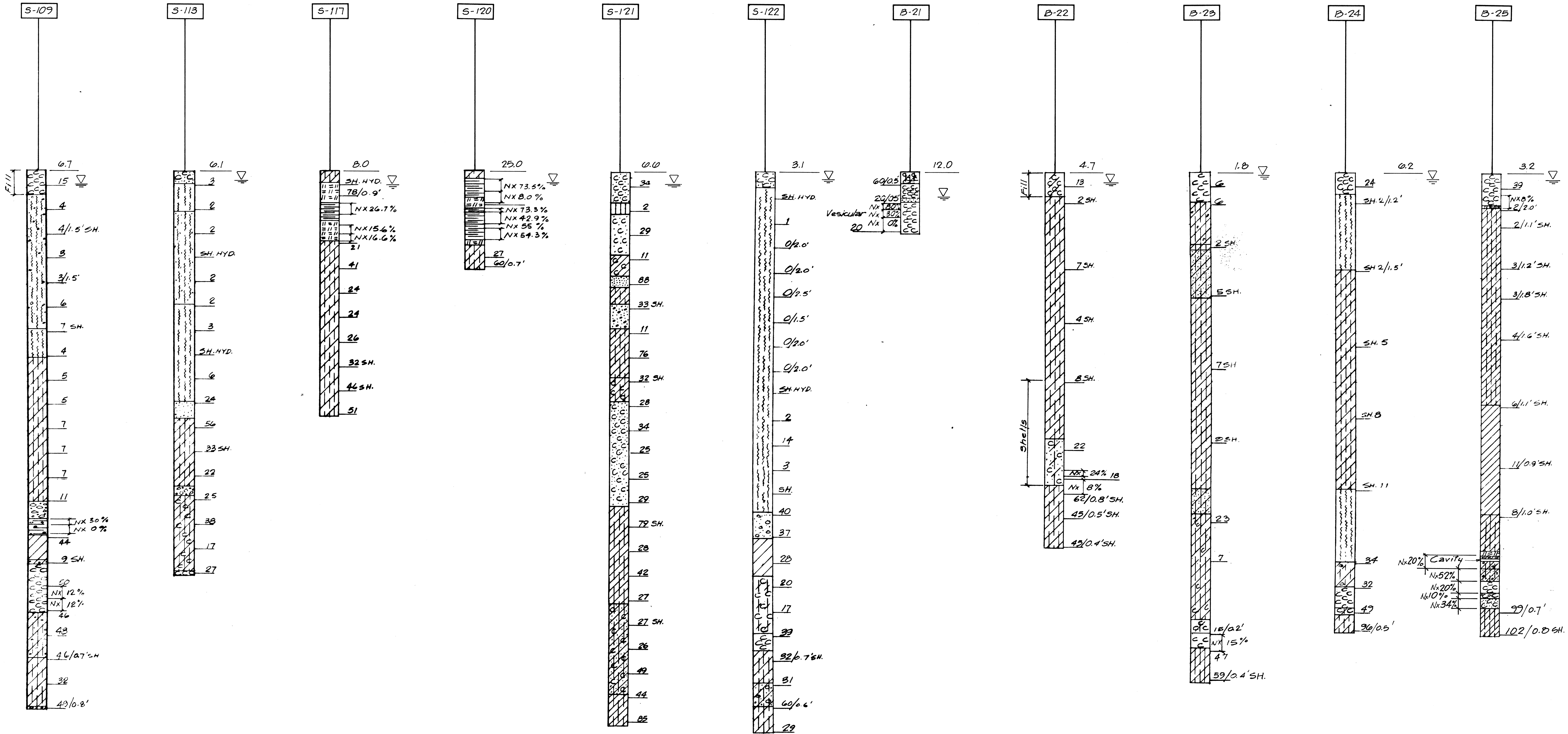
PRINTED ON NO. 1000H CLEARPRINT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(168):17	1982	51	145



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
KEEHI INTERCHANGE
BORING LOGS
INTERSTATE ROUTE H-1
PROJECT NO. I-HI-1 (168):17
SCALE: 1"=20' VERT. DATE: 4/30/81
SHEET NO. 51 OF 145 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(168):17	1982	52	145

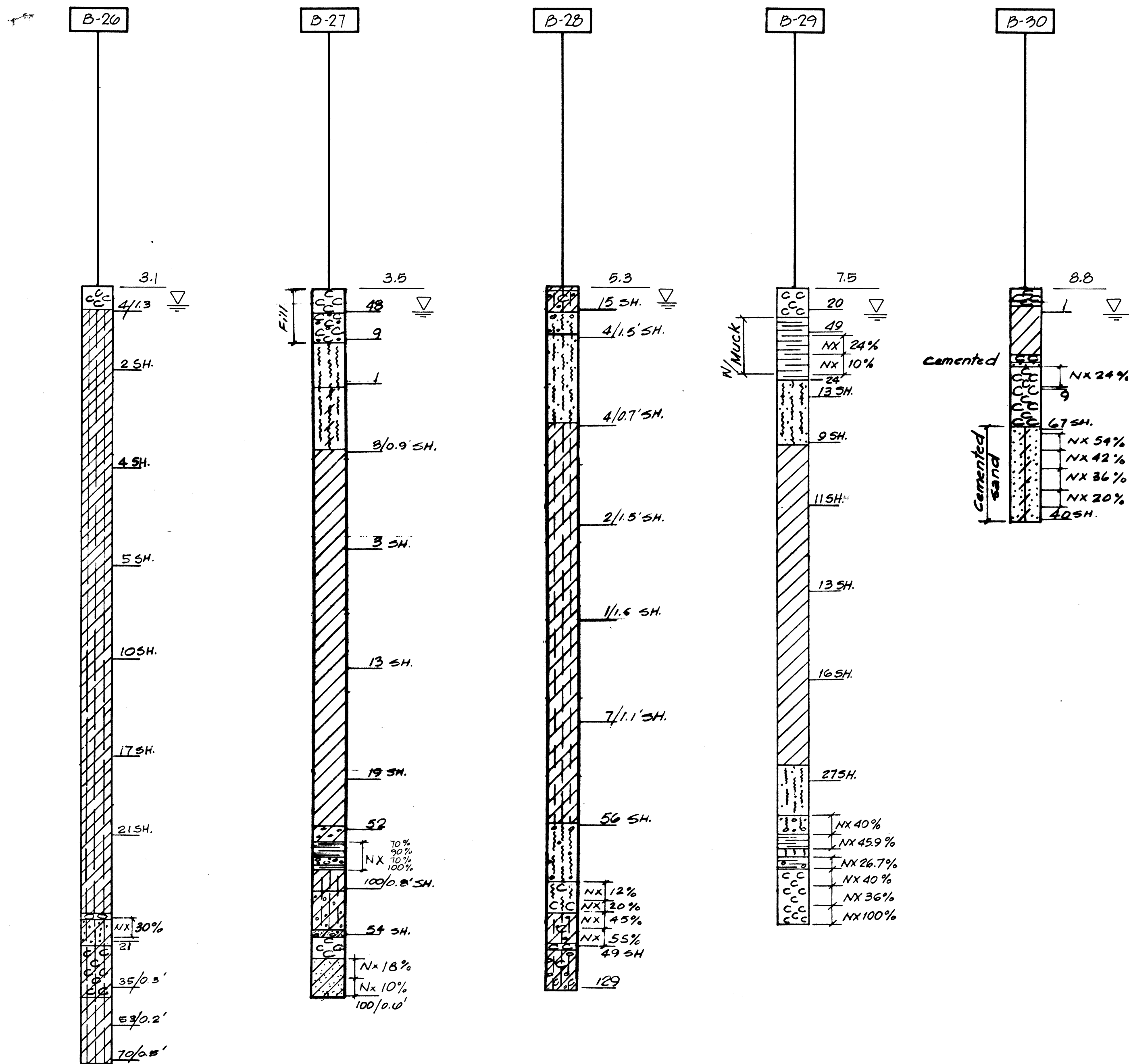


STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
KEEHI INTERCHANGE
BORING LOGS

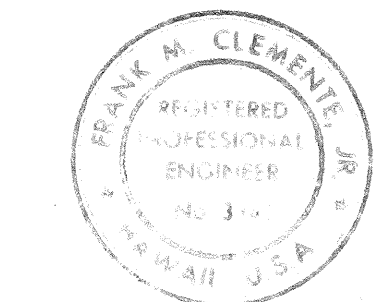
INTERSTATE ROUTE H-1
PROJECT NO. I-HI-1 (168):17
SCALE: 1"=20' VERT. DATE: 4/30/81
SHEET No. B-7 OF B-14 SHEETS

SURVEY PLOTTED BY	DATE
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.	I-HI-1(168):17	1982	53	145



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



THIS WORK WAS APPROVED BY
Frank M. Clemente
 REGISTERED PROFESSIONAL ENGINEER
 NO. 344
 STATE OF HAWAII

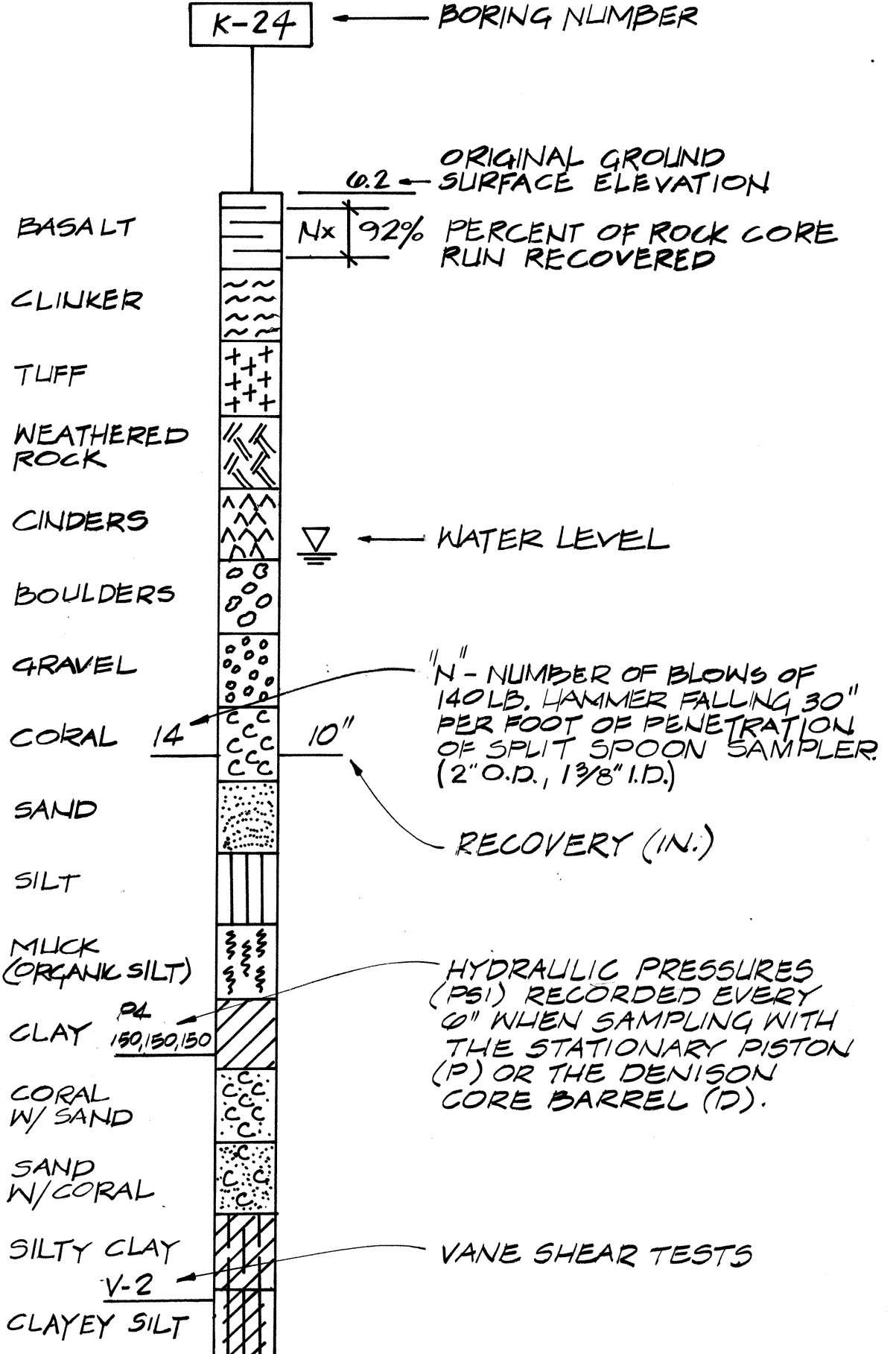
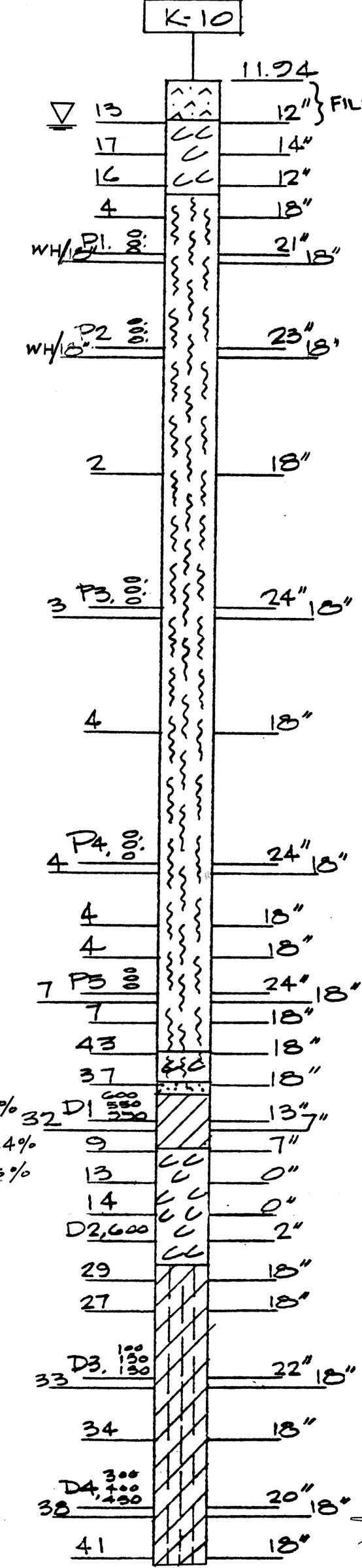
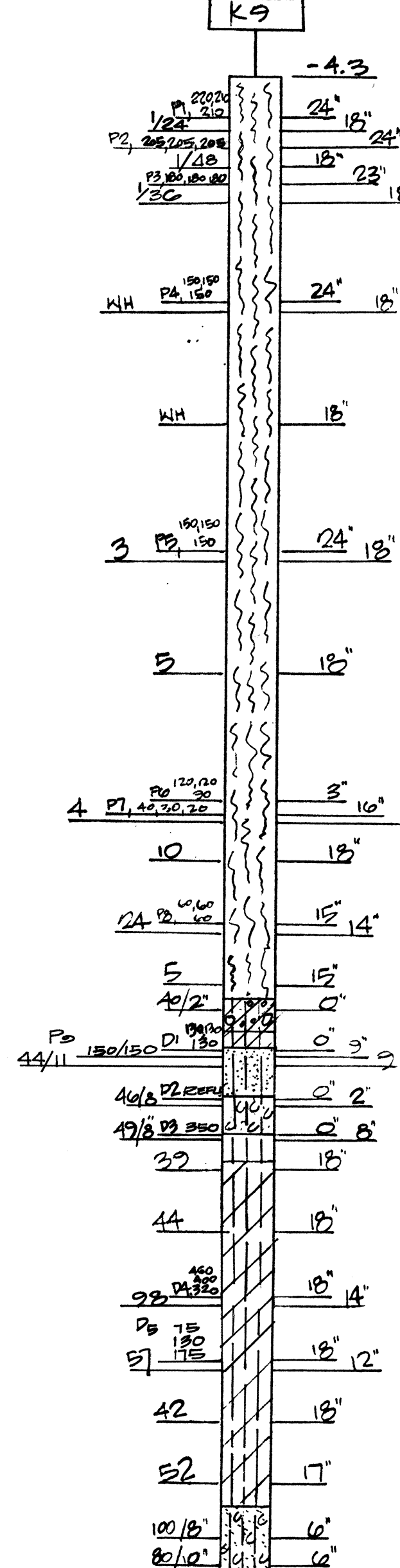
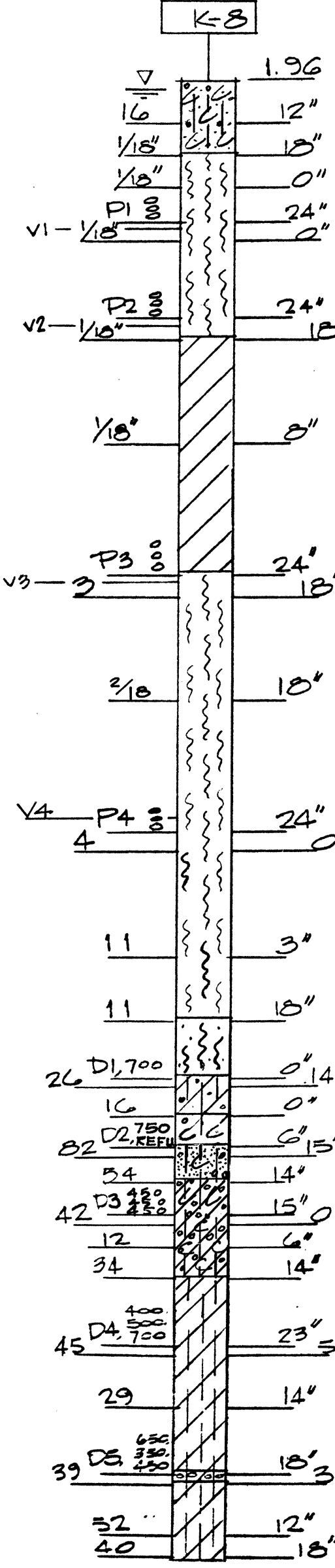
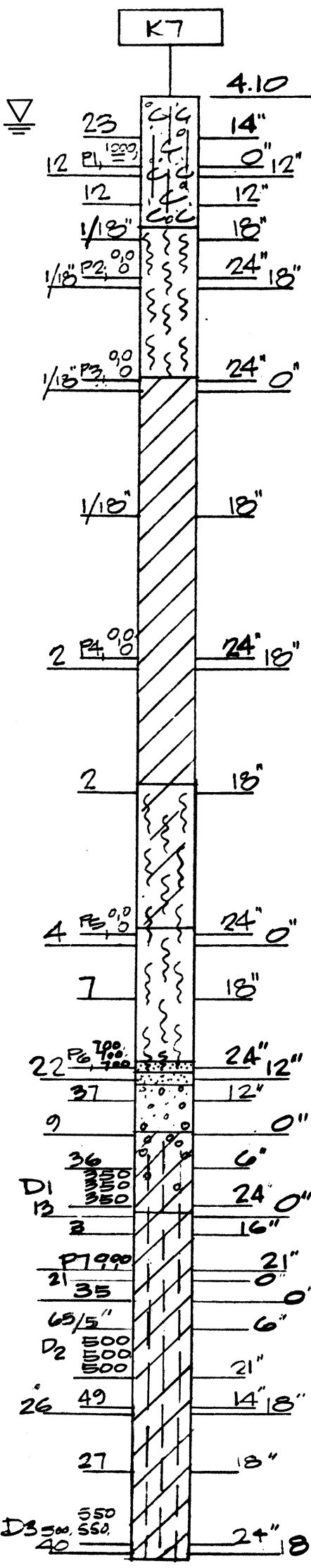
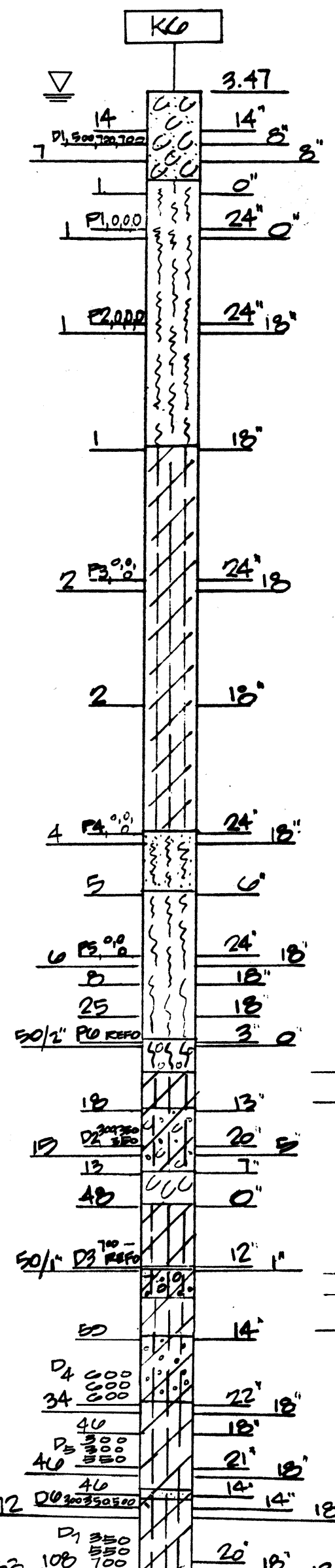
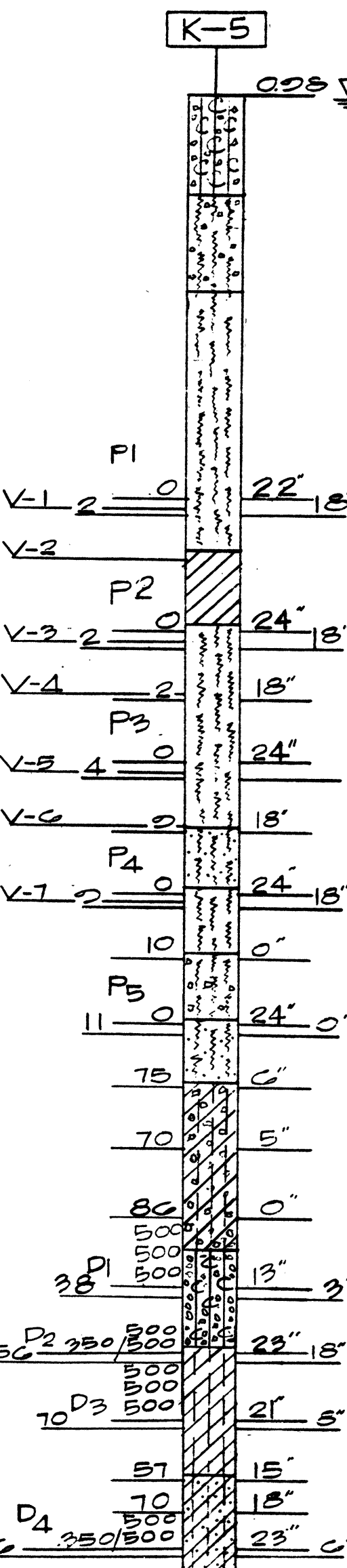
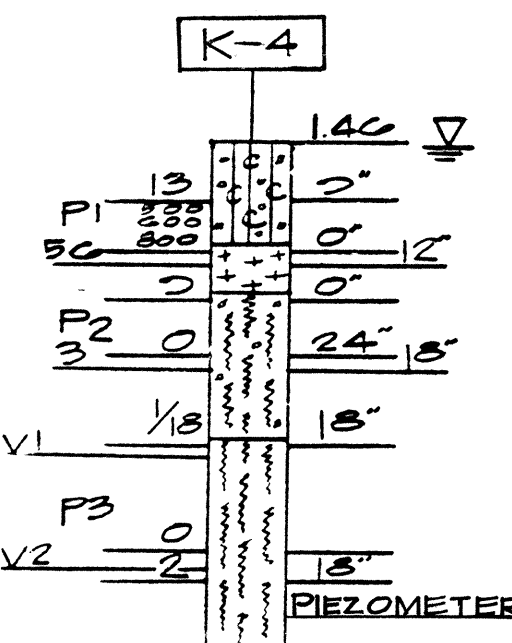
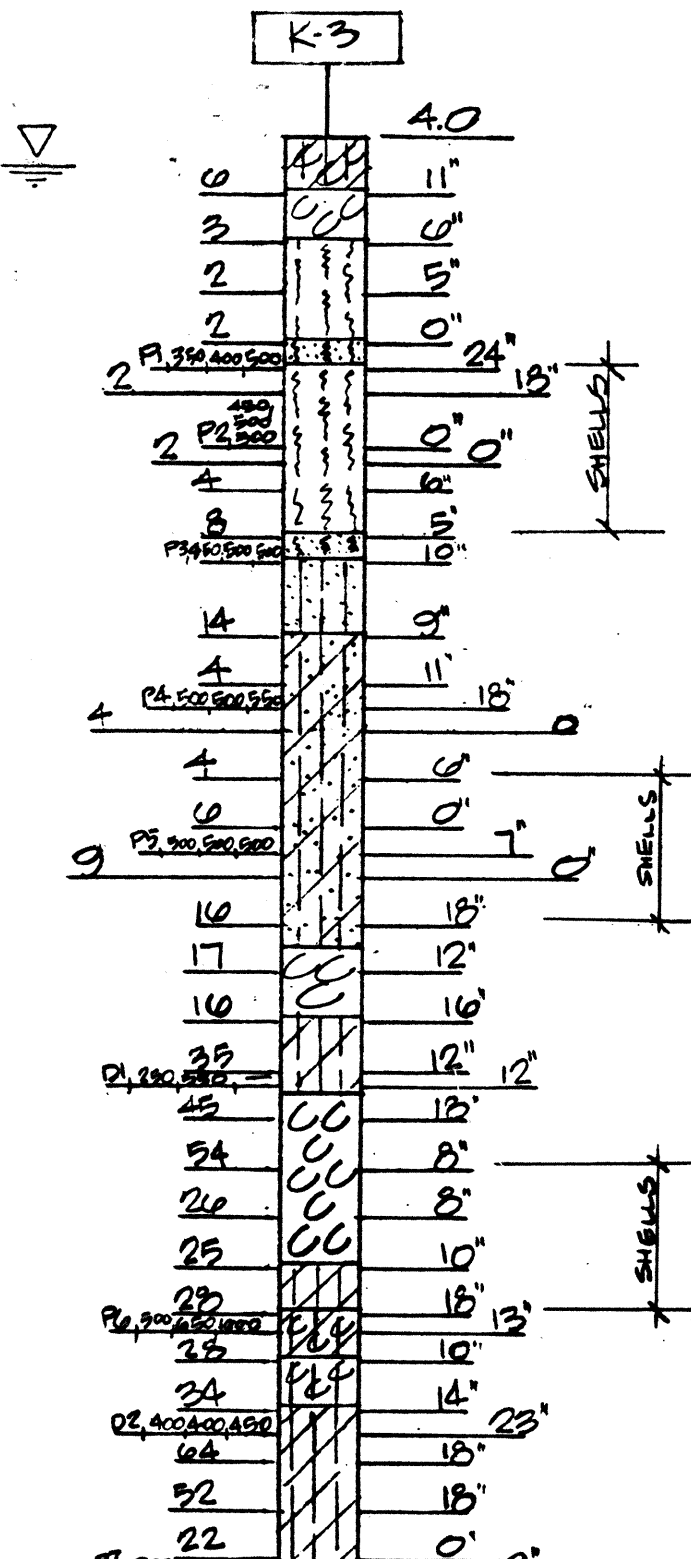
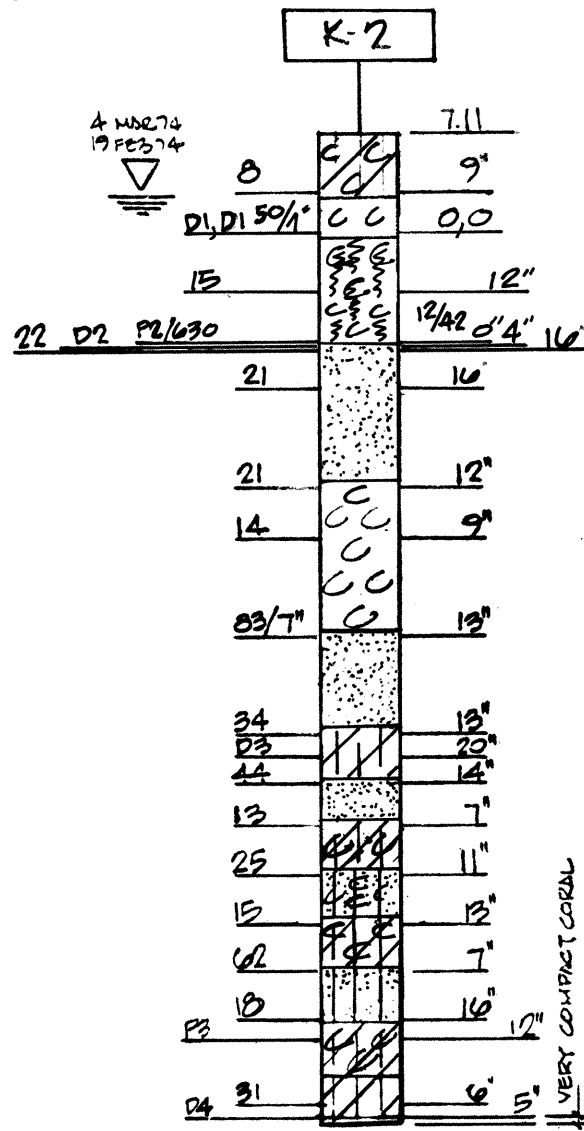
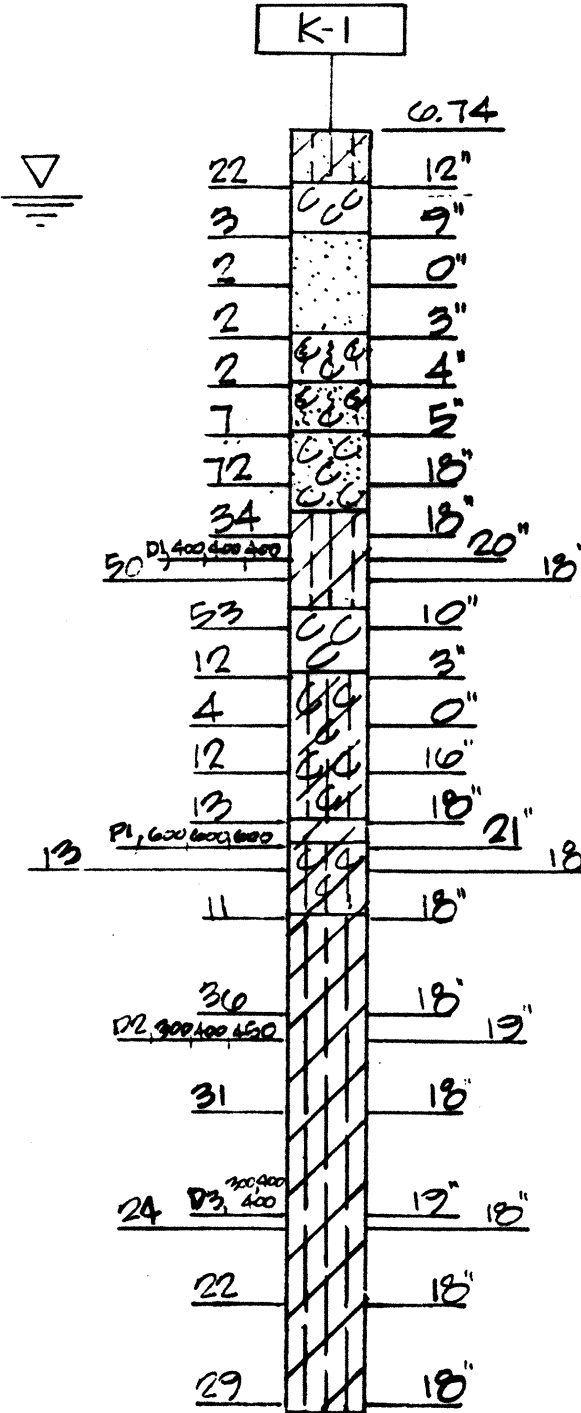
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

 KEEHI INTERCHANGE
 BORING LOGS

 INTERSTATE ROUTE H-1
 PROJECT NO. I-HI-1 (168):17
 SCALE: 1"=20' VERT. DATE: 4/30/81
 SHEET NO. 8-8 OF 8-14 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H-1(168):17	1982	54	145

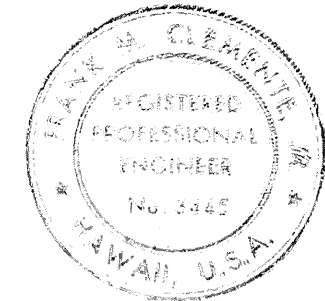
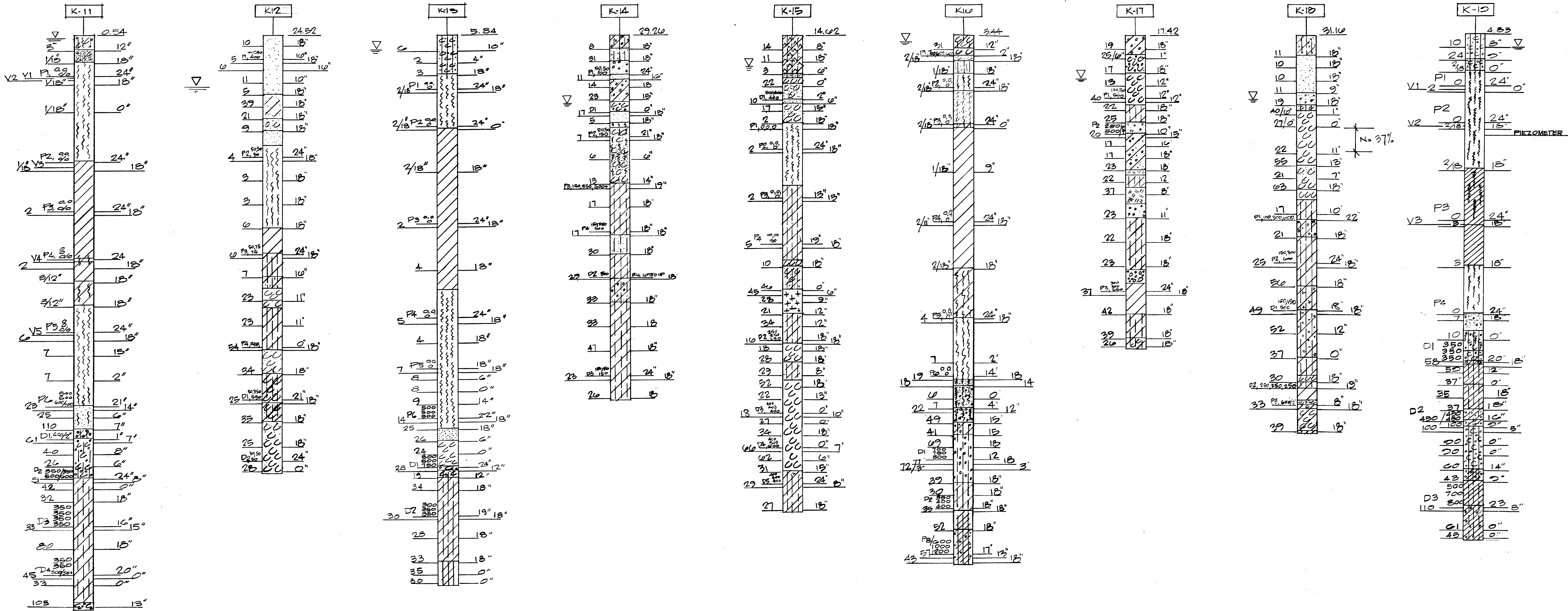
GENERAL NOTES
AND LEGEND FOR
K BORINGS



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
KEEHI INTERCHANGE
BORING LOGS
INTERSTATE ROUTE H-1
PROJECT NO. I-H-1 (168):17
SCALE: 1"=20' VERT. DATE: 4/30/81
SHEET NO. B-9 OF B-14 SHEETS

DATE
DRAWN BY
CHECKED BY
DESIGNED BY
NOTED BY
QUANTITIES BY
CHECKED BY

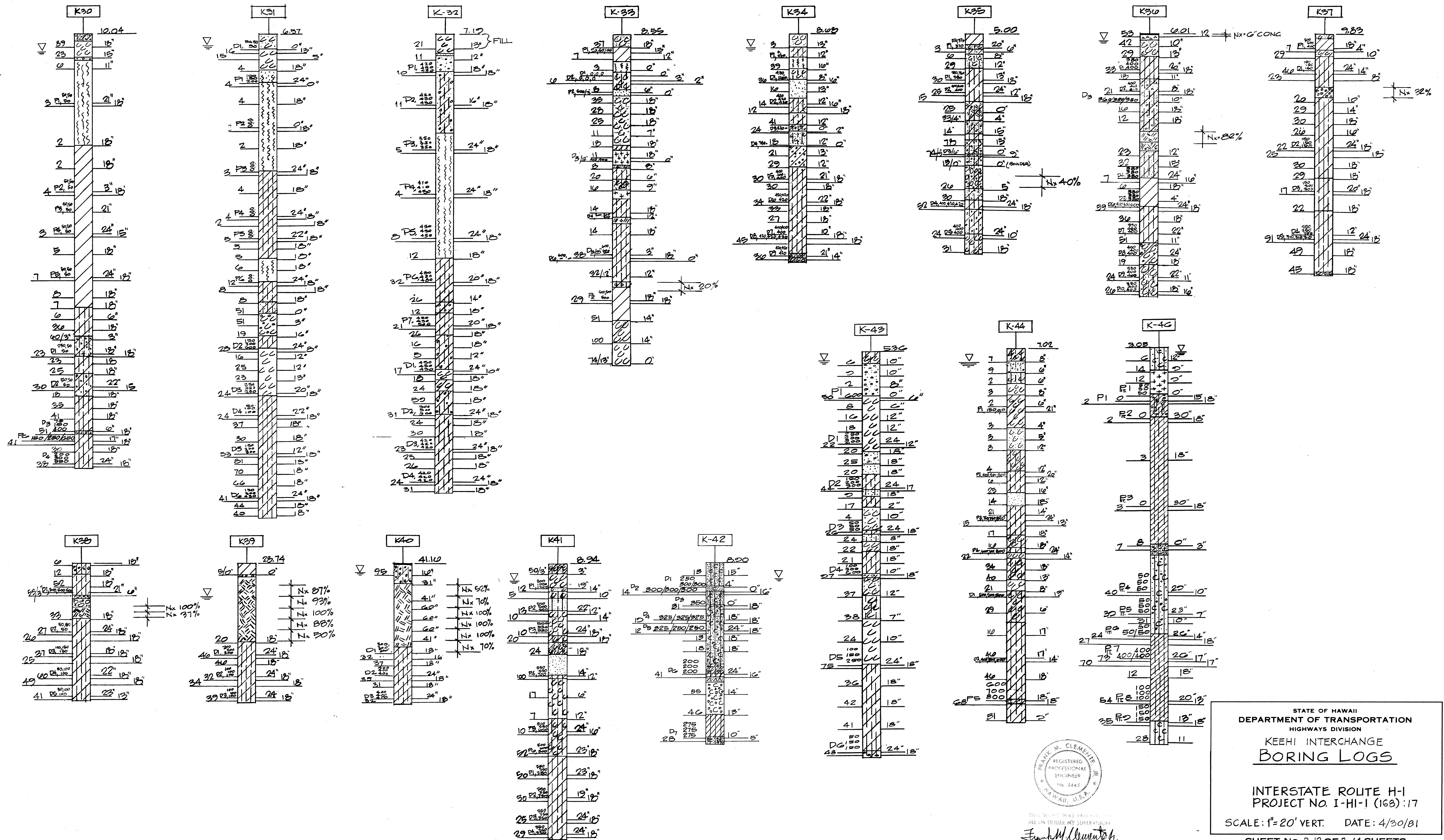
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(168):17	1982	55	145



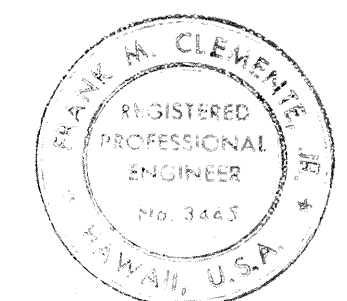
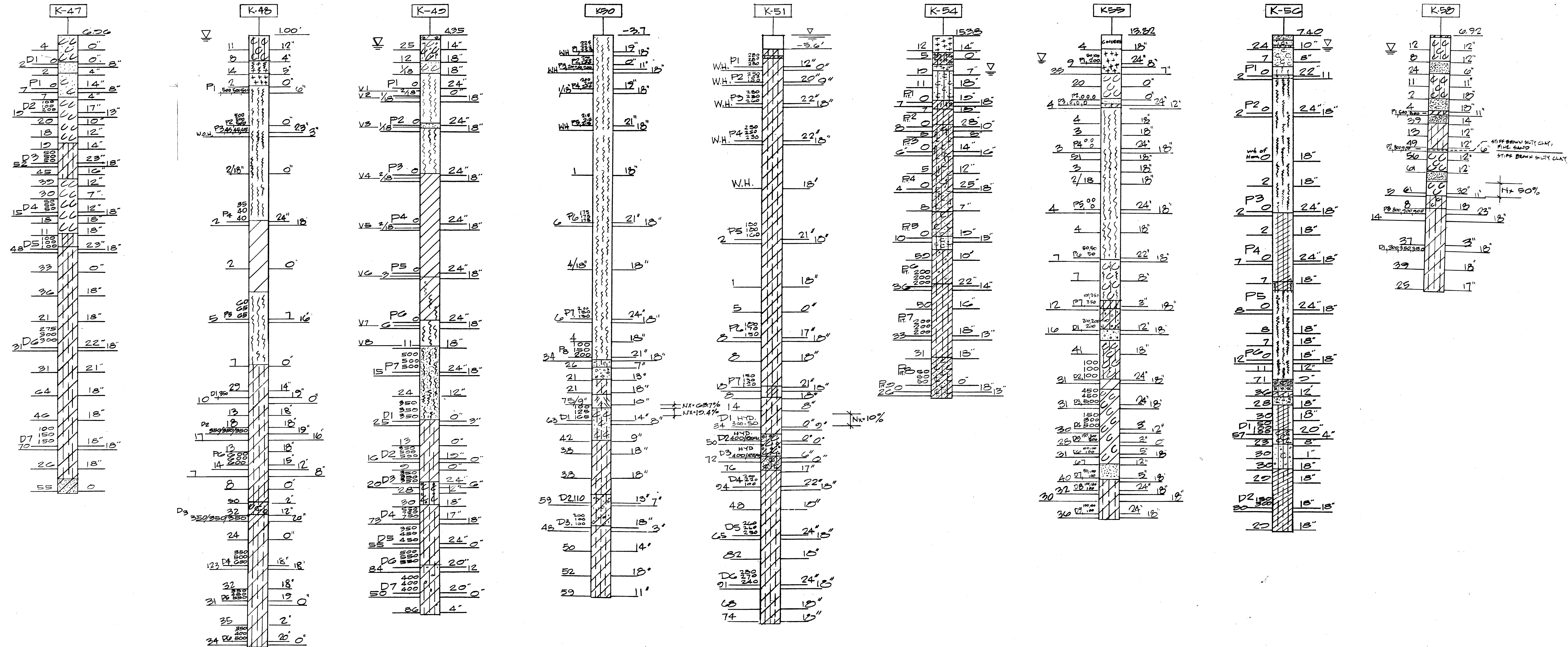
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**KEEHI INTERCHANGE
BORING LOGS**
INTERSTATE ROUTE H-1
PROJECT NO. I-HI-1 (168):17
SCALE: 1"=20' VERT. DATE: 4/30/81
SHEET NO. 8-10 OF 8-14 SHEETS

Frank J. Clemente

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(168):17	1982	57	145



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(168):17	1982	58	145



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

KEEHI INTERCHANGE
BORING LOGS

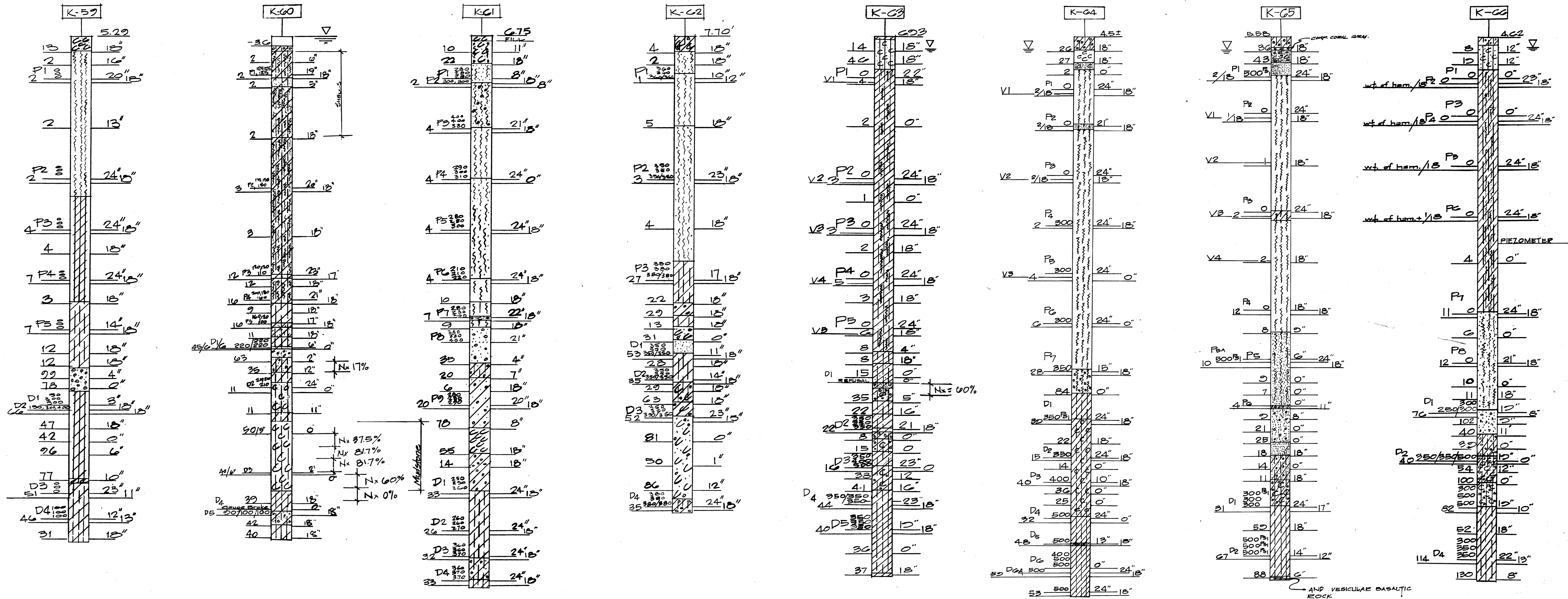
INTERSTATE ROUTE H-1
PROJECT No. I-HI-1 (168):17

SCALE: 1"=20' VERT. DATE: 4/30/81

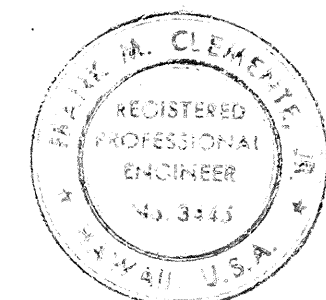
SHEET No. 58 OF 8-14 SHEETS.

THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION
Frank M. Mendenhall

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(168):17	1982	59	145



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



THIS WORK WAS PREPARED BY
Frank M. Clemente
 REGISTERED PROFESSIONAL ENGINEER
 NO. 43,343
 HAWAII, U.S.A.

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

KEEHI INTERCHANGE BORING LOGS

INTERSTATE ROUTE H-1
 PROJECT NO. I-HI-1 (168):17

SCALE: 1" = 20' VERT. DATE: 4/30/81

SHEET NO. 8-14 OF 8-14 SHEETS