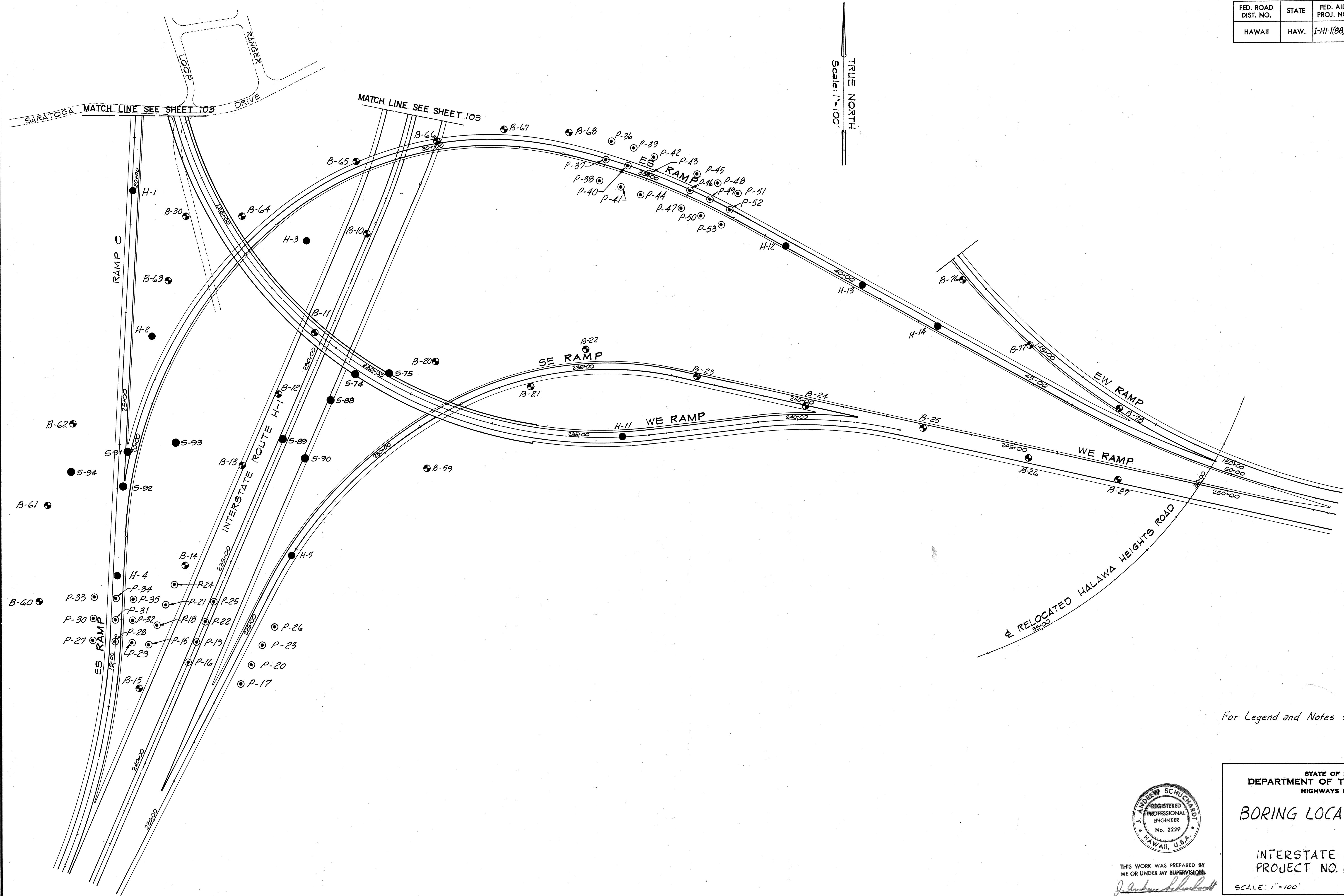
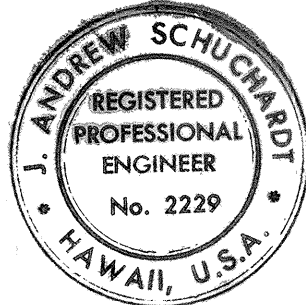


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(88):13	1971	105	457



ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DRAWN BY	
TRACED BY	
NOTED BY	
CHECKED BY	
NO.	

For Legend and Notes see Sheet No. 103



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J. Andrew Schuchardt

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

BORING LOCATION PLAN

INTERSTATE ROUTE H-1
PROJECT NO. I-HI-1(88):13
SCALE: 1" = 100' DATE: 7-17-70
SHEET No. 3 OF 11 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(88)13	1971	106	257

GENERAL NOTES

- NUMBER ADJACENT TO BORINGS REPRESENT BLOWS OF A 140 LB. HAMMER FALLING 30" PER FOOT OF PENETRATION OF SAMPLER, EITHER SPLIT SPOON (2" O.D. 1-3/8" I.D.) OR SHELBY TUBE, IDENTIFIED BY "SP" OR "SH" RESPECTIVELY. WHERE NEITHER "SP" NOR "SH" IS LISTED, THEN USE OF SPLIT SPOON SAMPLER IS UNDERSTOOD.
- WATER LEVEL
- * COHESION VALUE FROM UNCONFINED COMPRESSION TEST. (PSF)
- SOIL SYMBOL REPRESENTS A GENERALIZED CLASSIFICATION. SEE BORING LOGS FOR DETAILED CLASSIFICATION.
- NUMBER LISTED AT TOP OF EACH BORING IS ORIGINAL GROUND SURFACE ELEVATION.

ABBREVIATION

SH.	SHELBY
SP.	SPLIT SPOON
WH.	WEIGHT OF HAMMER
P	PUSH
HYD	HYDRAULIC
PR.	PRESS
NX.	% RECOVERY OF ROCK CORE

LEGEND

	GRAVEL BOULDERS		SCORIACEOUS LAVA
	SAND		ASH
	SILT		WEATHERED ROCK
	CLAY		TUFF
	MUCK OR ORGANIC SILT		BASALTIC ROCK

* COHESION VALUES ARE SHOWN FOR 'B'-SERIES BORINGS ONLY. ADDITIONAL VALUES FOR THE 'H' AND 'S'-SERIES BORINGS BASED ON UNCONFINED COMPRESSION AND TRIAXIAL COMPRESSION TESTS ARE AVAILABLE FOR CONTRACTOR'S USE.

PROBING LOGS ARE NOT DEPICTED. INSPECTOR'S BORING AND PROBING LOGS ARE AVAILABLE FOR CONTRACTOR'S USE.

LOGS OF ADDITIONAL BORINGS MADE AT SITES OF FUTURE STRUCTURES ARE AVAILABLE FOR CONTRACTOR'S USE.

FOR BORING LOCATIONS SEE SHEETS 103-105

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

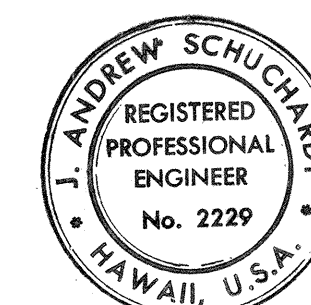
BORING LOGS

INTERSTATE ROUTE H-1
PROJECT NO. I-HI-1(88)13

SCALE: Vert. 1"=20'

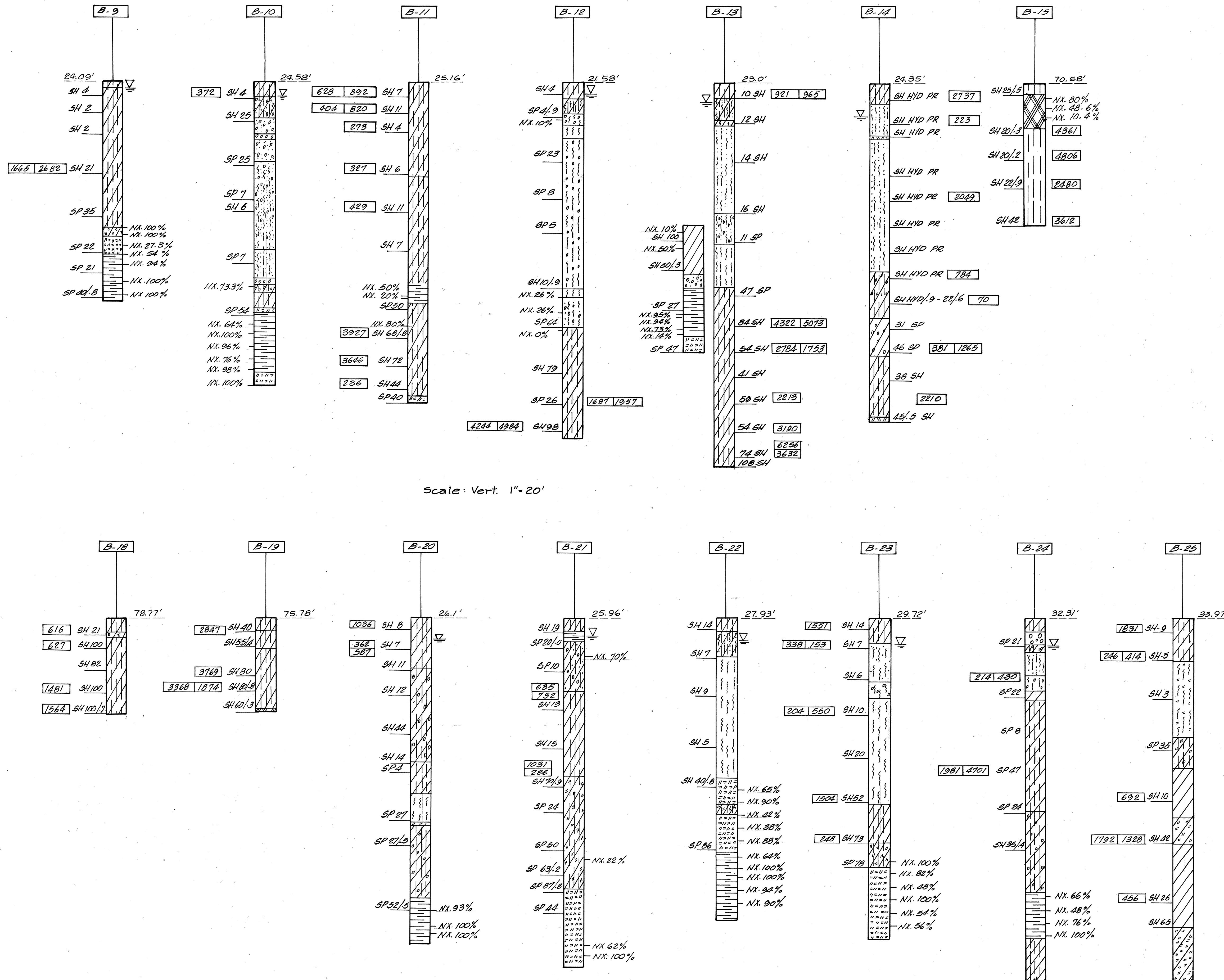
DATE: 7-17-70

SHEET No. 4 OF 11 SHEETS



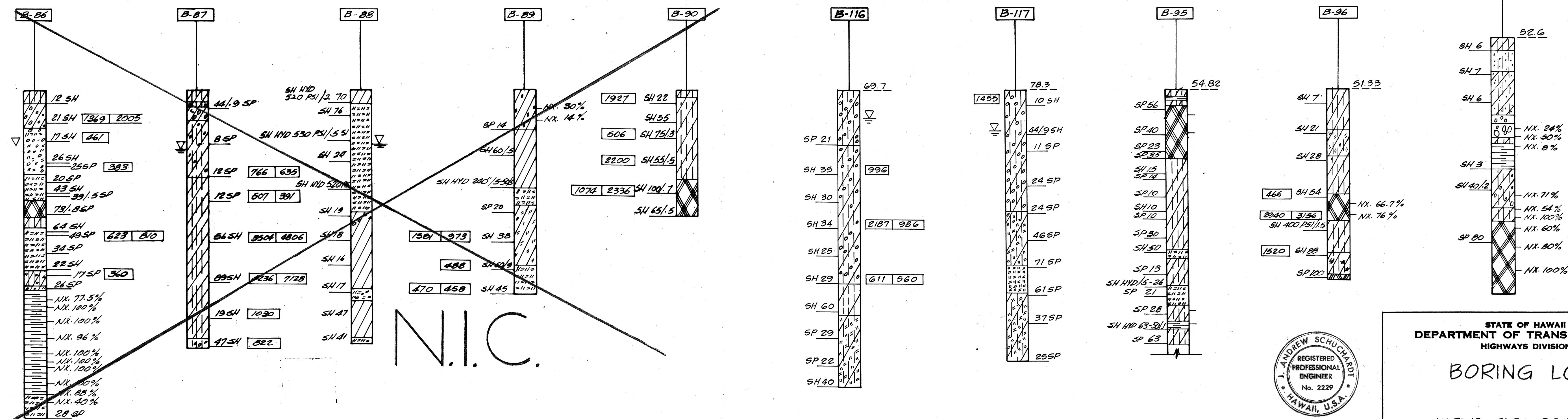
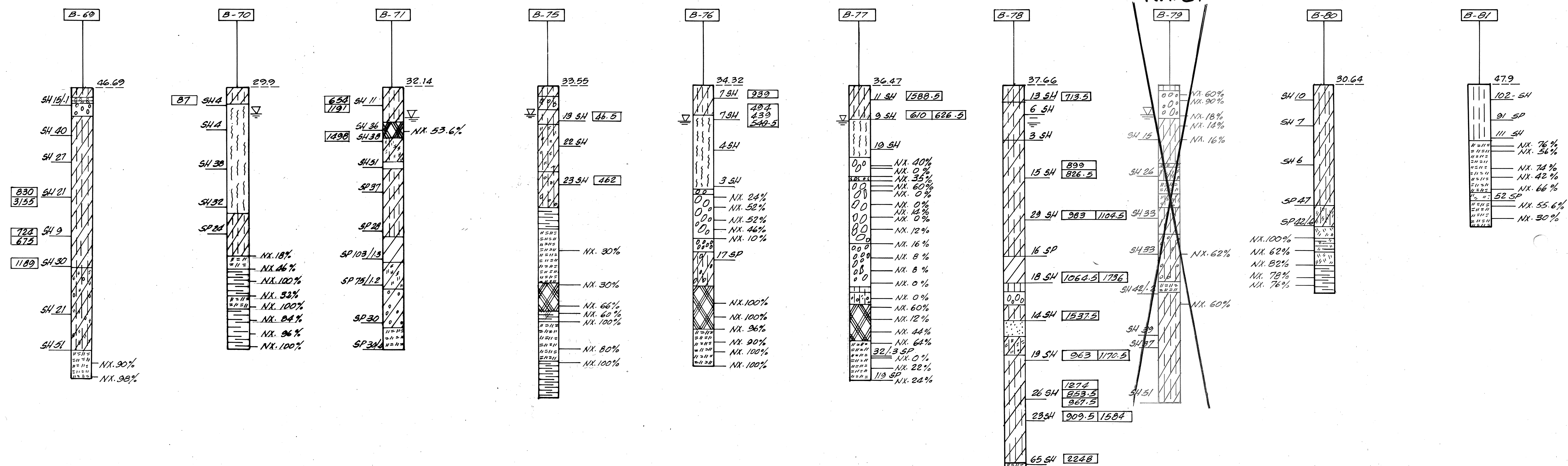
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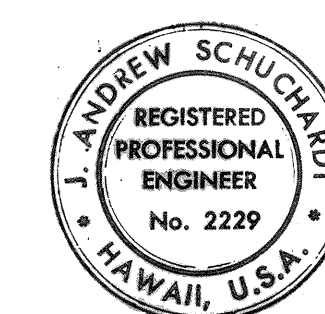


SURVEY PLANNED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
NO.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(88):13	1971	108	457



DATE	_____
SURVEY PLATTED BY	_____
DRAWN BY	_____
DESIGNED BY	_____
QUANTITIES BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
No.	_____



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

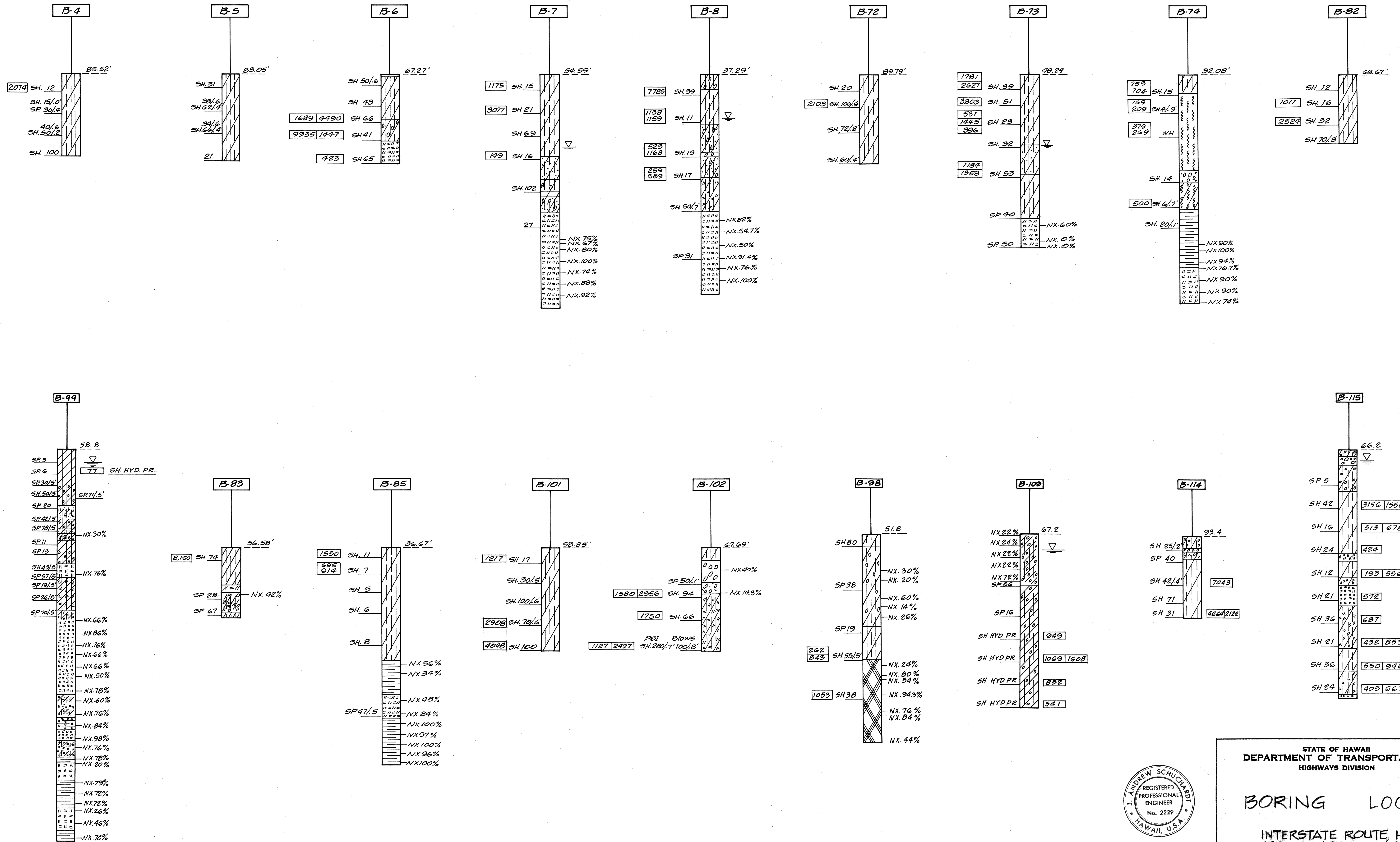
BORING LOGS

INTERSTATE ROUTE H-1
PROJECT NO. I-HI-1(88):13

SCALE: Vert. 1"=20' DATE: 7-17-70

SHEET No. 6 OF 11 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(88):13	1971	109	457



DATE	_____
DESIGNED BY	_____
DRAWN BY	_____
CHECKED BY	_____
NOTED BY	_____
NO.	_____



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

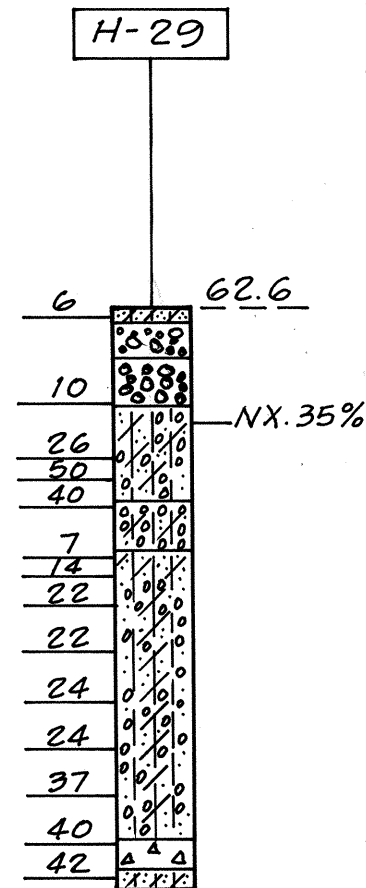
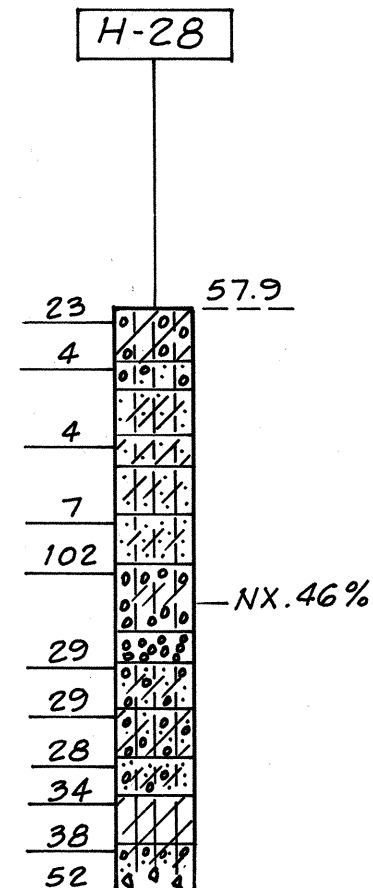
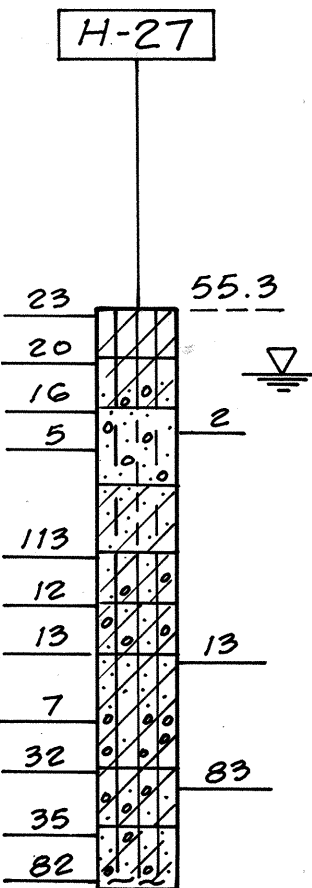
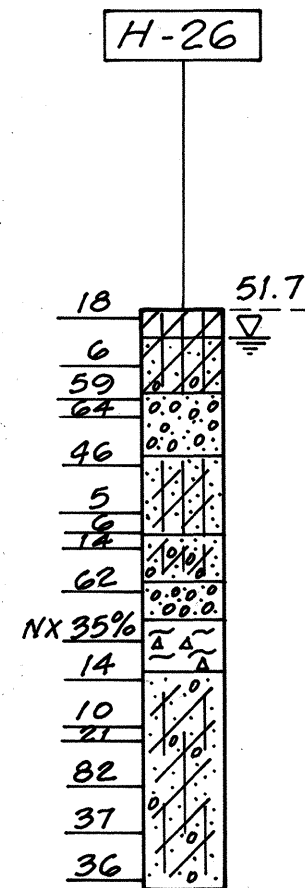
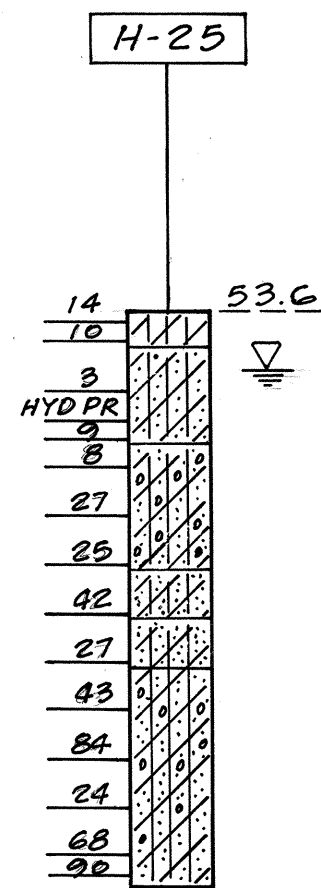
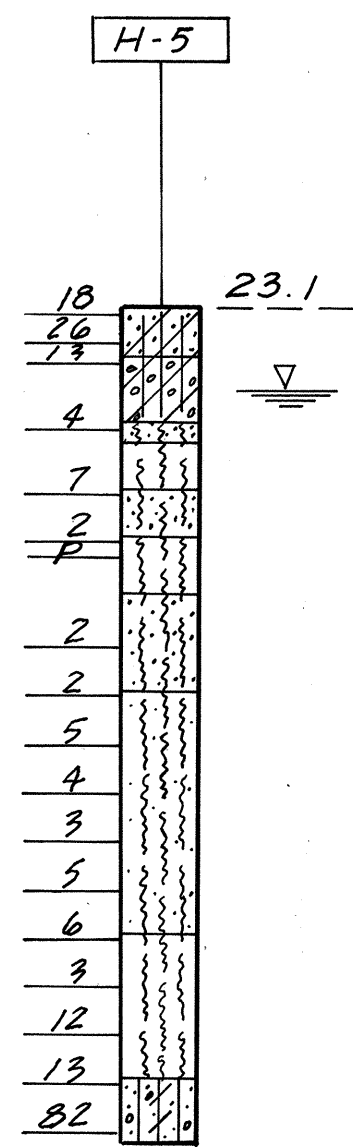
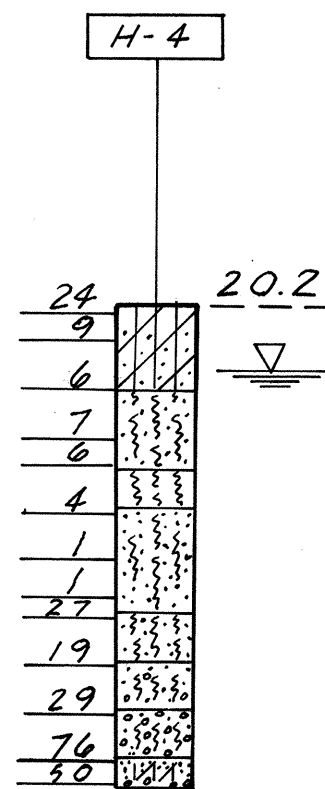
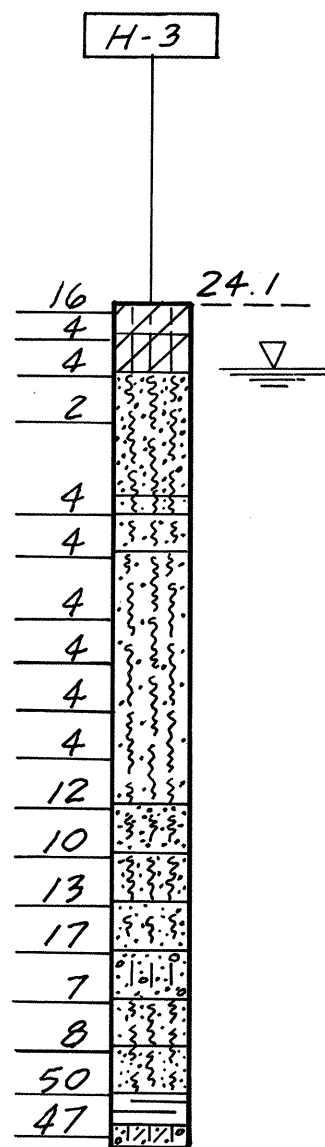
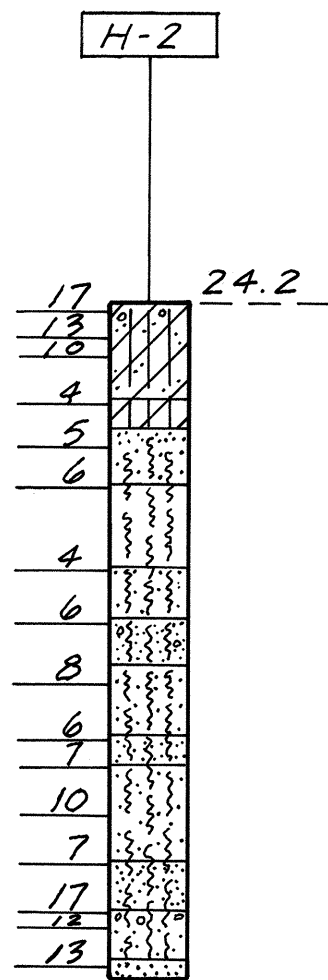
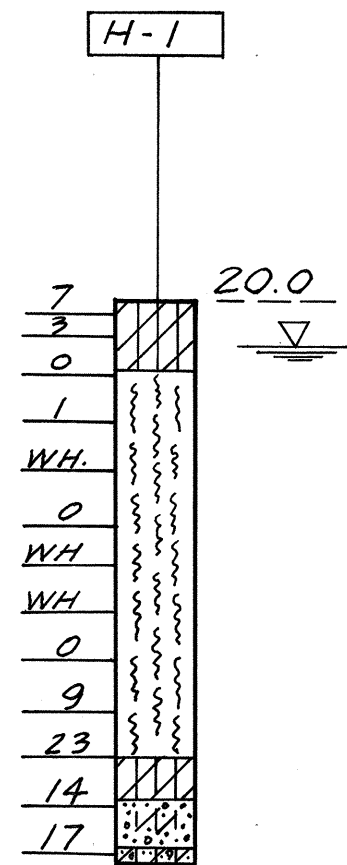
BORING LOGS

INTERSTATE ROUTE H-1
PROJECT NO. I-HI-1 (88):13

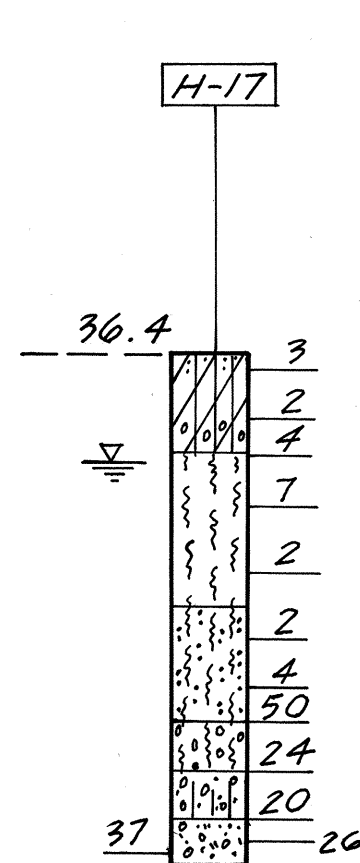
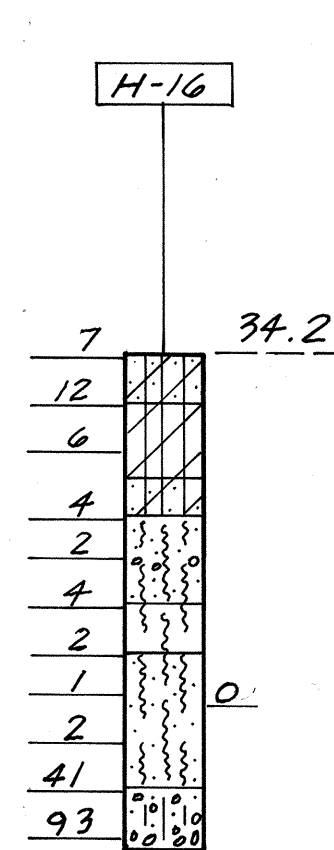
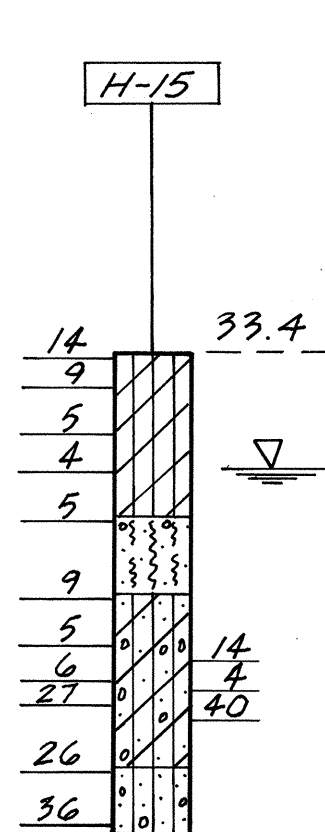
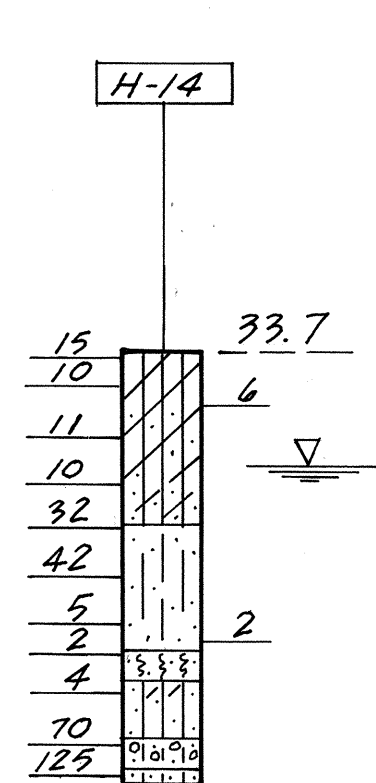
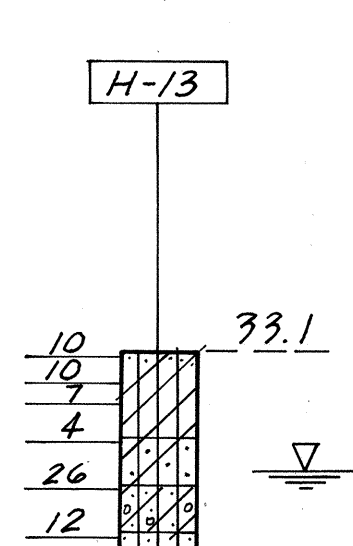
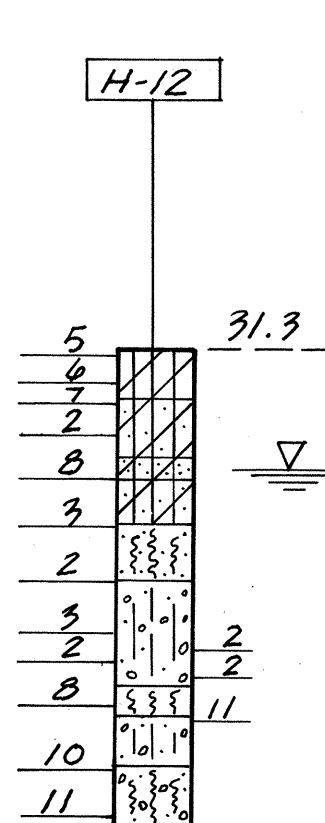
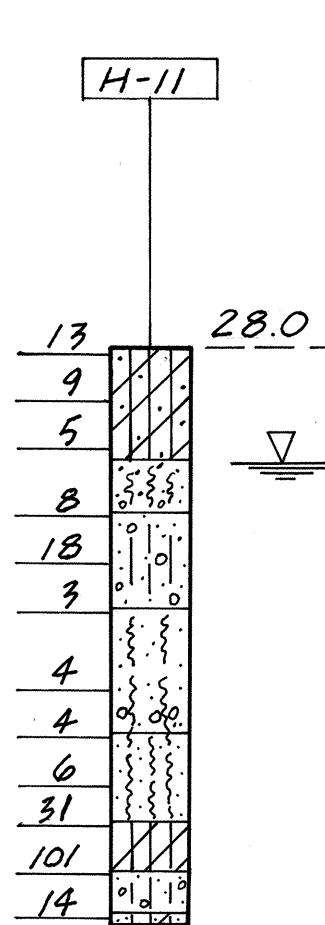
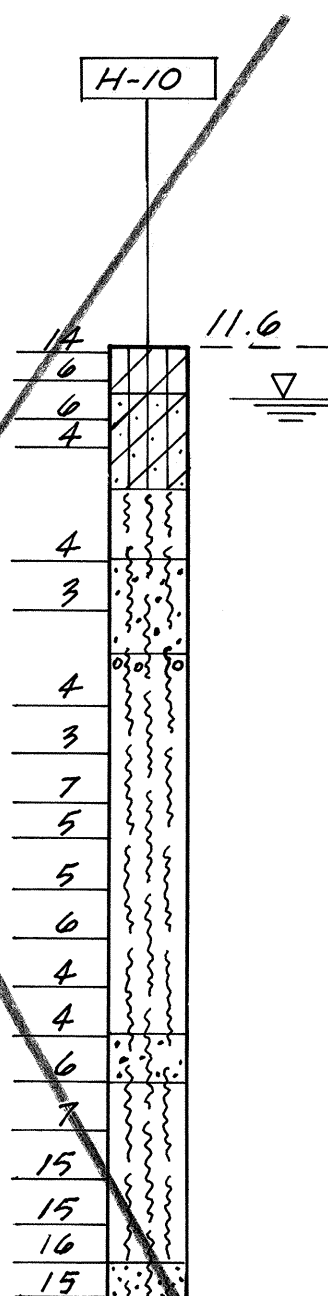
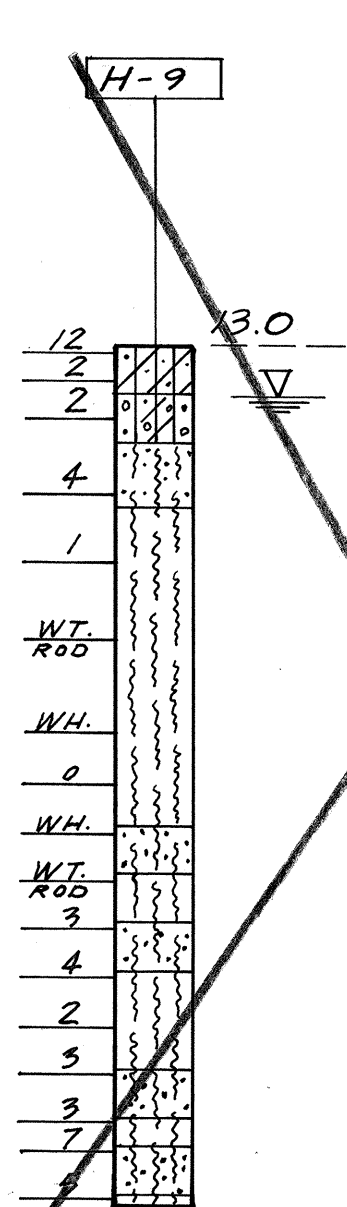
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SHEET No. 7 OF 11 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(88):13	1971	110	457



Scale: Vert. 1"=20'



N.I.C.

DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
DESIGNED BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
No.	_____



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Andrew Schuchardt

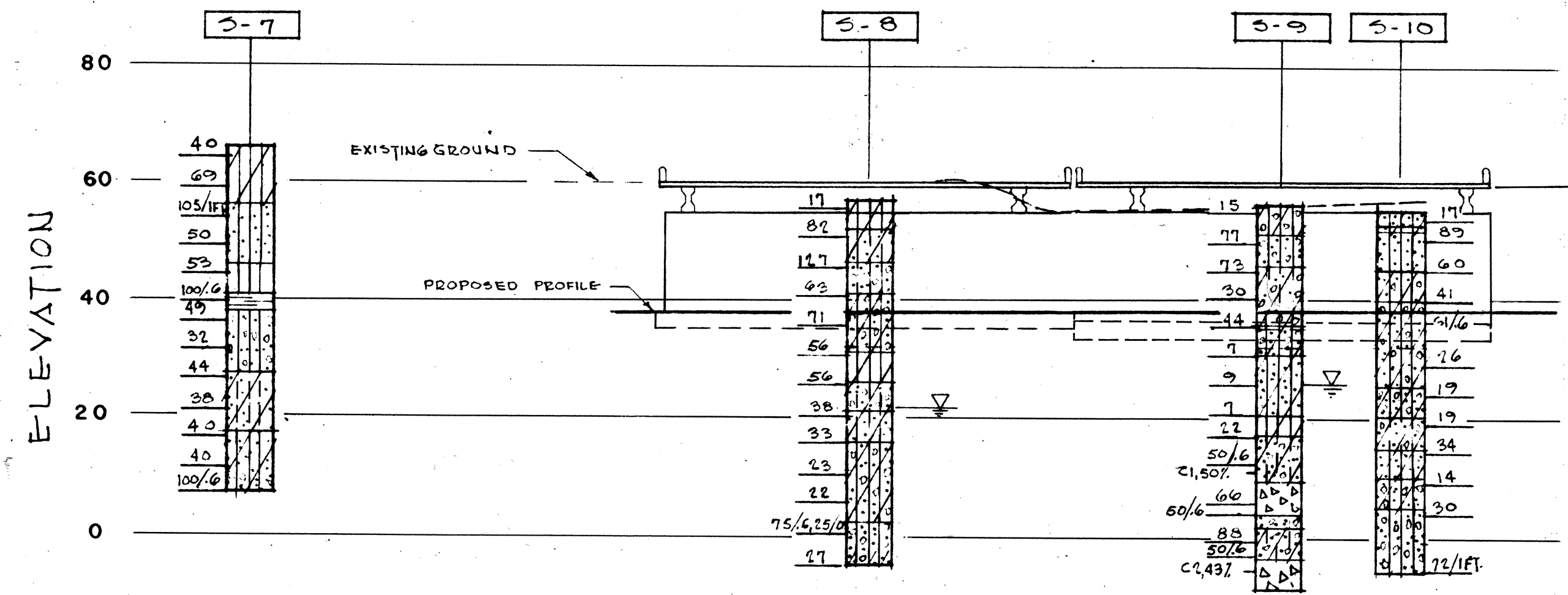
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

BORING LOGS

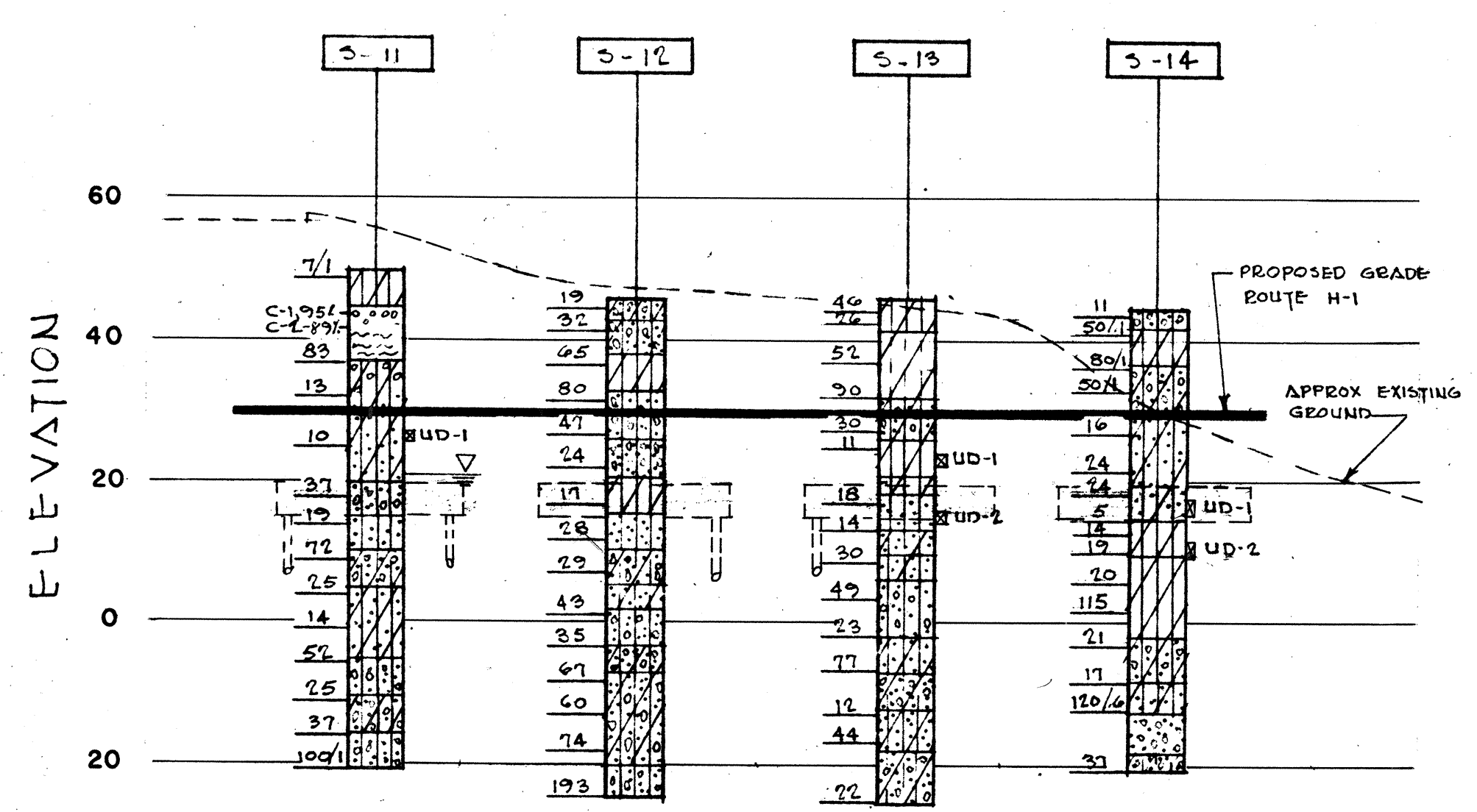
INTERSTATE ROUTE H-1
PROJECT NO. I-HI-1(88):13
SCALE: Vert. 1"=20' DATE: 7-17-70

SHEET No. 8 OF 11 SHEETS

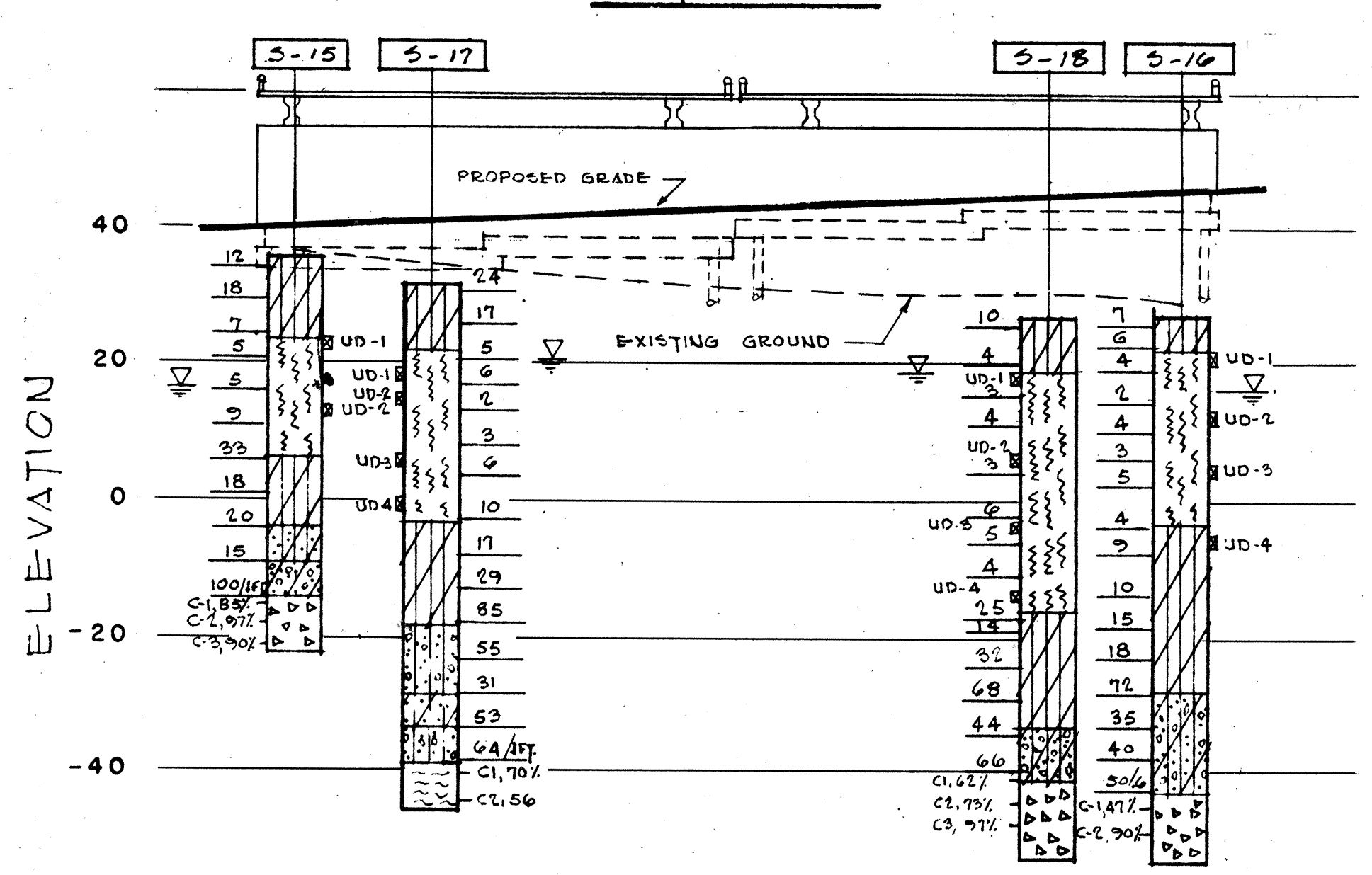
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(88)13	1971	111	457



SECTION A-A



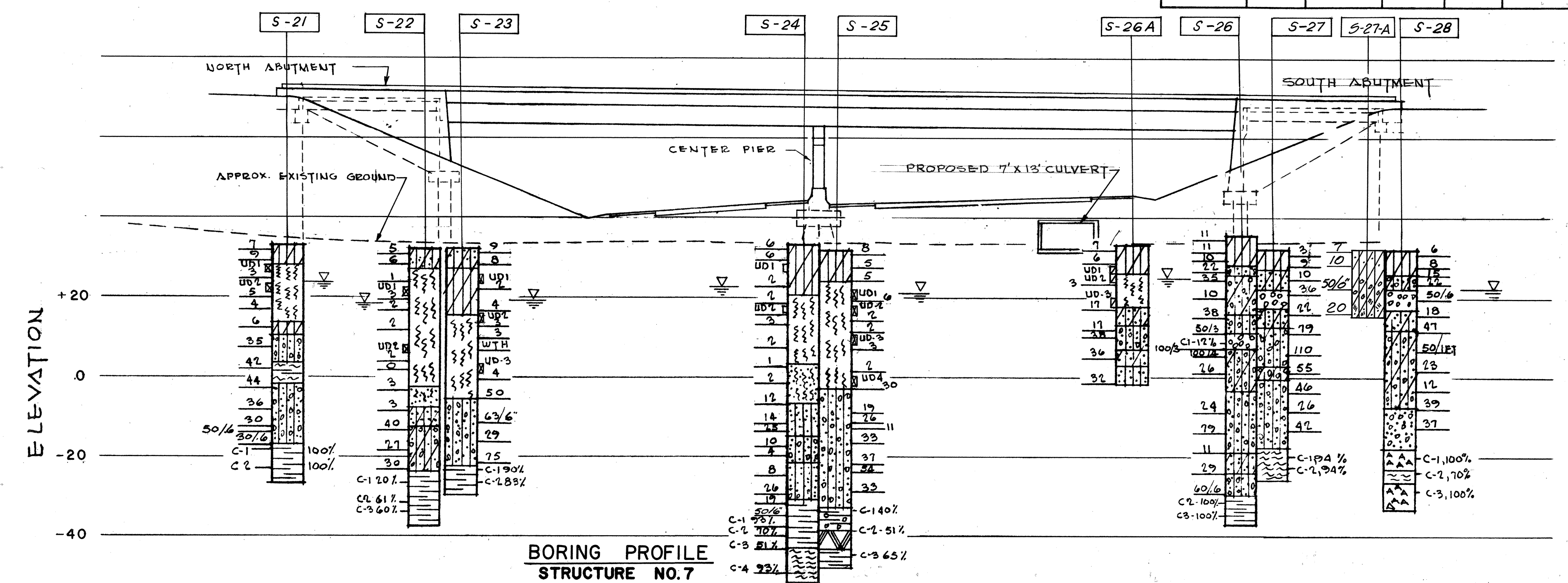
SECTION B-B



SECTION C-C

STRUCTURE NO.2
MOANALUA ROAD OVER ROUTE H-1

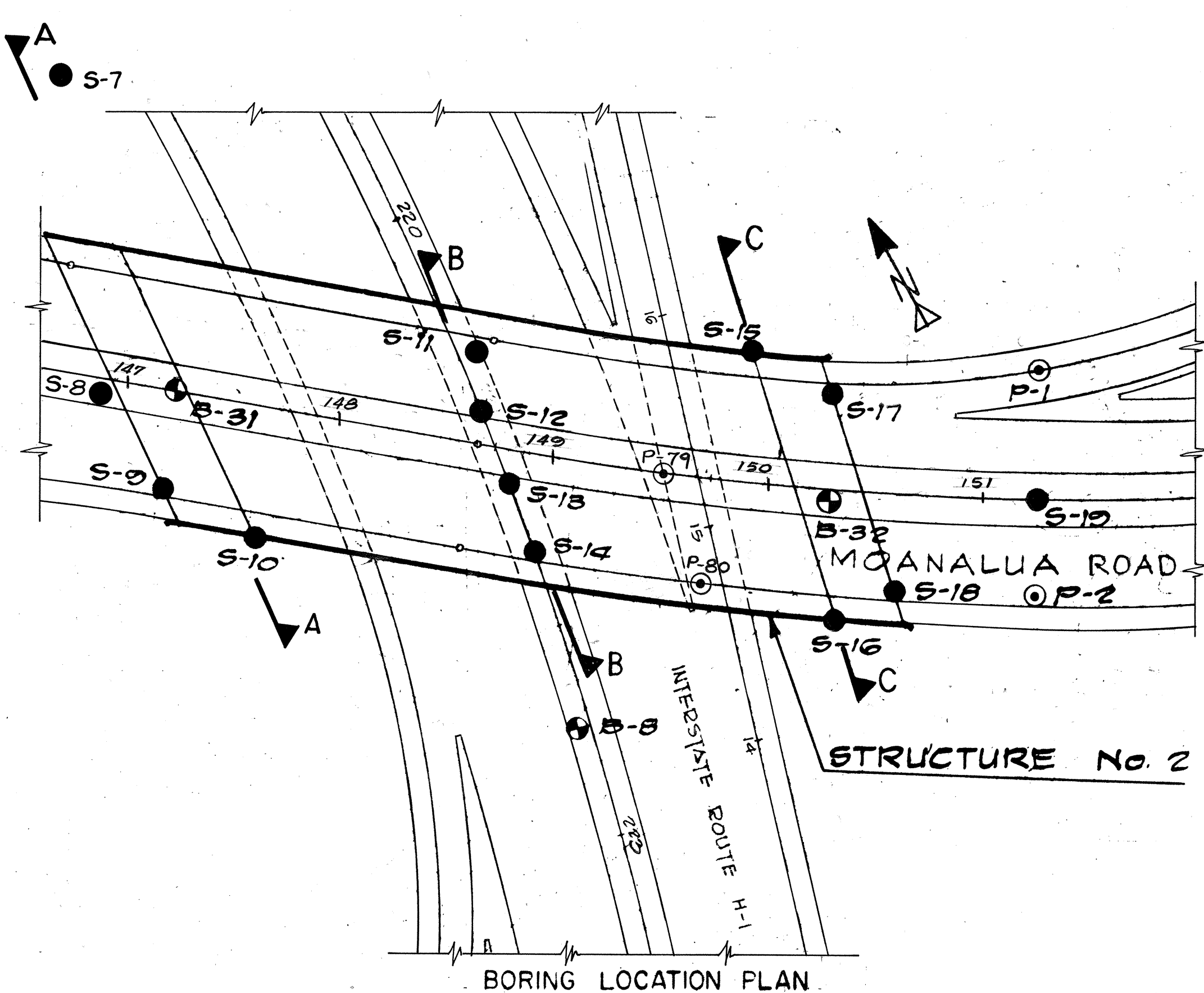
SCALE
1" = 20'-0"



BORING PROFILE
STRUCTURE NO.7

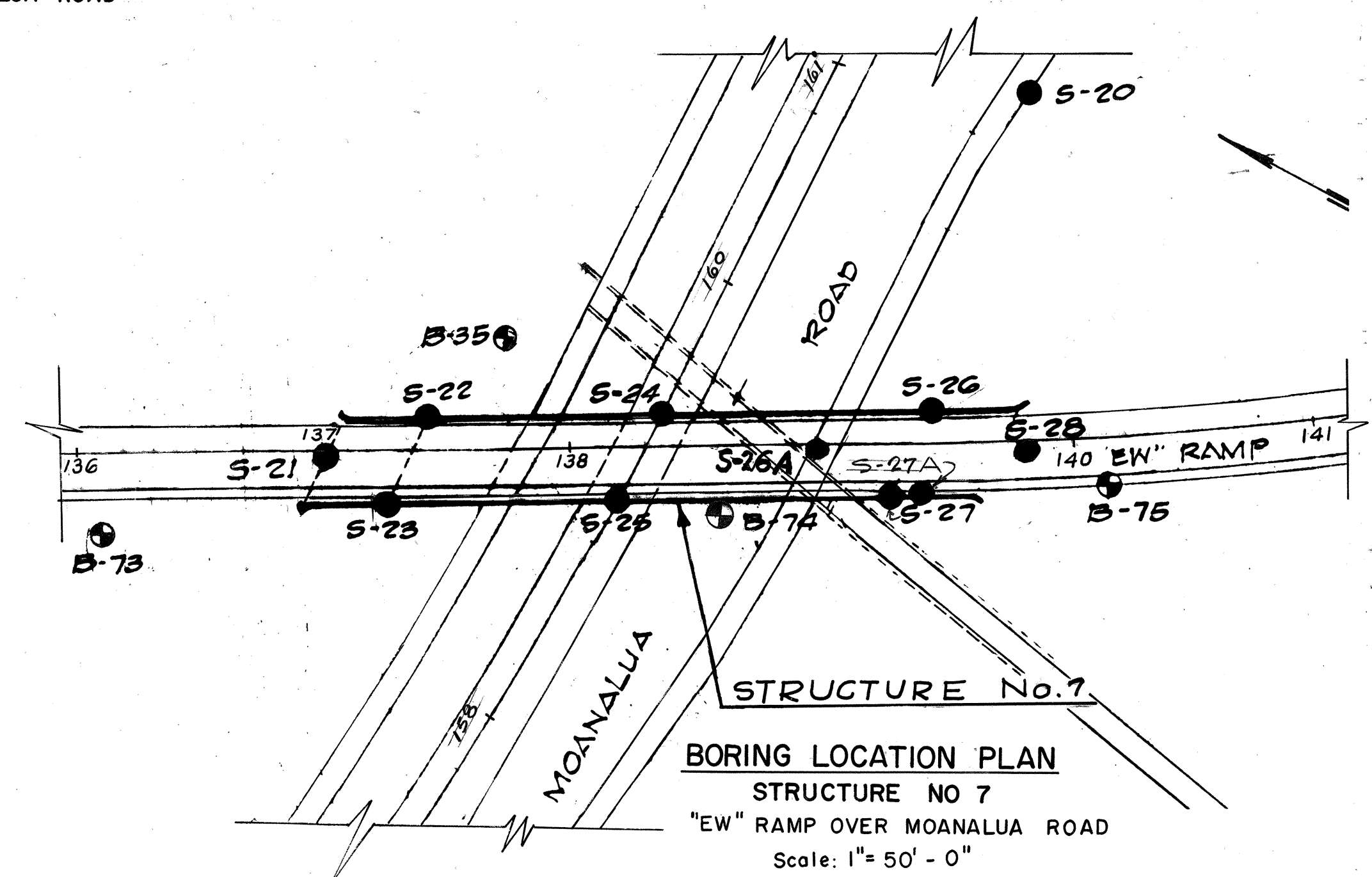
"EW" RAMP OVER MOANALUA ROAD

SCALE
1" = 20'-0"



STRUCTURE NO.2
MOANALUA ROAD OVER ROUTE H-1

Scale: 1" = 50'



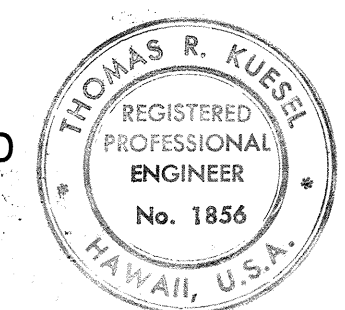
BORING LOCATION PLAN
STRUCTURE NO.7

"EW" RAMP OVER MOANALUA ROAD

Scale: 1" = 50' - 0"

NOTES FOR S-SERIES BORINGS

1. C-1, C-2, ETC. IS CORE RUN NO. % IS CORE RECOVERY.
2. UD-1, UD-2, ETC. INDICATES UNDISTURBED SAMPLE RECOVERED.
3. FOR GENERAL NOTES, AB-BREVIATIONS AND LEGEND SEE SHEET 106



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T.R. Kuesel

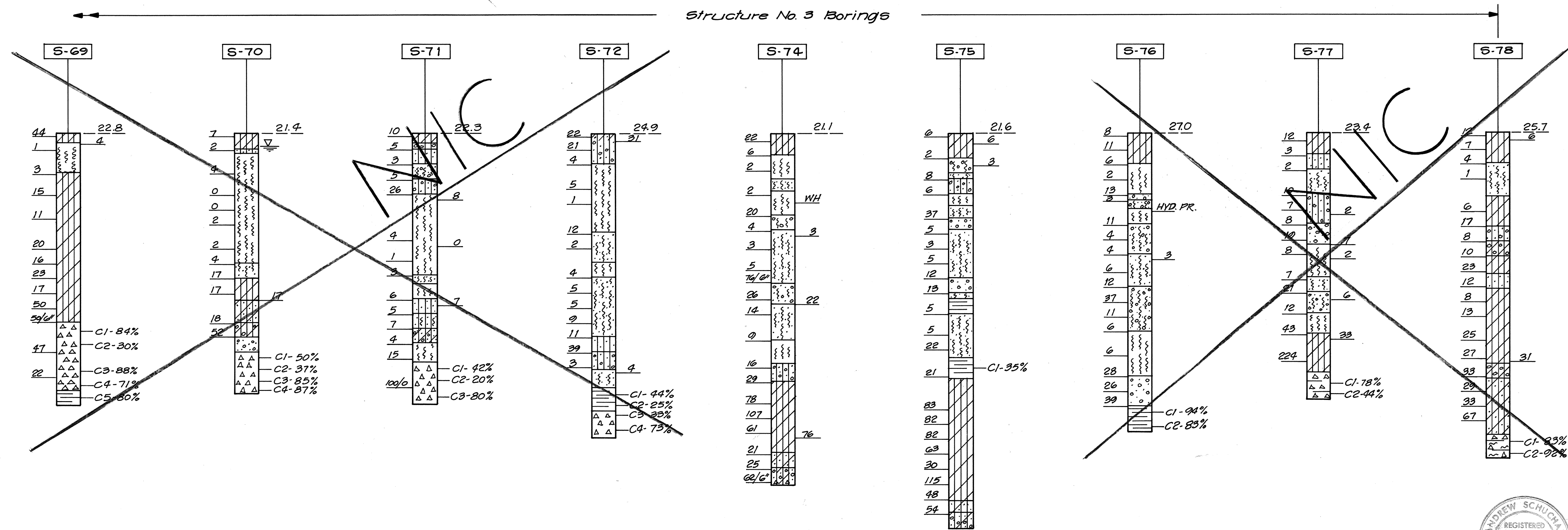
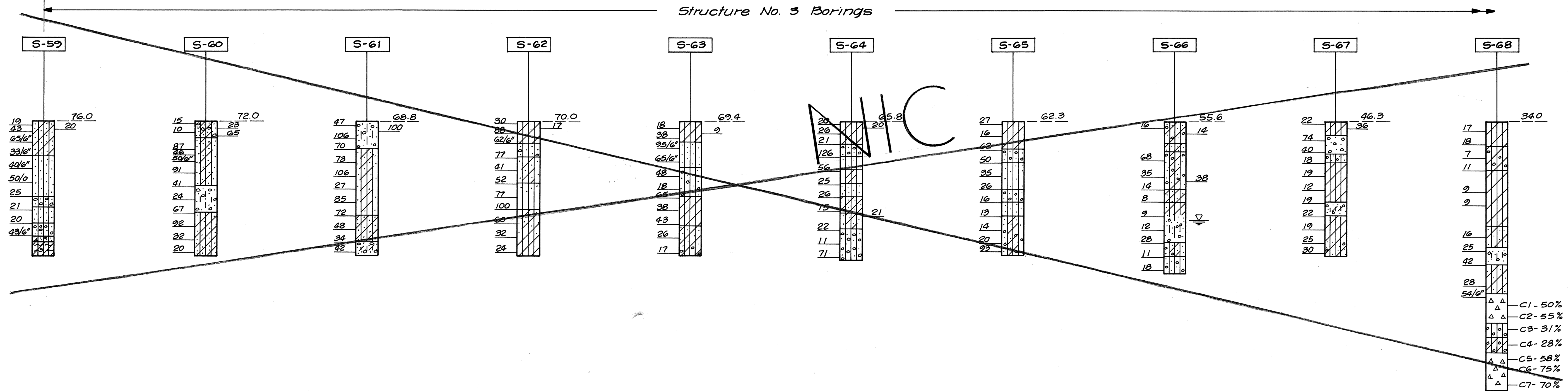
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

BORING LOGS

INTERSTATE ROUTE H-1
PROJECT NO. I-HI-1(88)13
SCALE: AS NOTED
DATE: 7-17-70

DATE: 7-17-70
DRAWN BY: [Signature]
CHECKED BY: [Signature]
DESIGNED BY: [Signature]
NOTED BY: [Signature]
ORIGINAL PLAN
NOTE BOOK

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(88):13	1971	112	457



Notes for S-Series Borings:
 1. C-1, C-2, etc. is Core Run No.
 % is Core Recovery

DATE: _____
 SURVEY PLOTTED BY: _____
 PLAN: _____
 DESIGNED BY: _____
 NOTE BOOK: _____
 CHECKED BY: _____
 No. _____

THIS WORK WAS PREPARED BY
 MR. J. ANDREW SCHUCHART
 REGISTERED PROFESSIONAL ENGINEER
 No. 2229
 HAWAII, U.S.A.

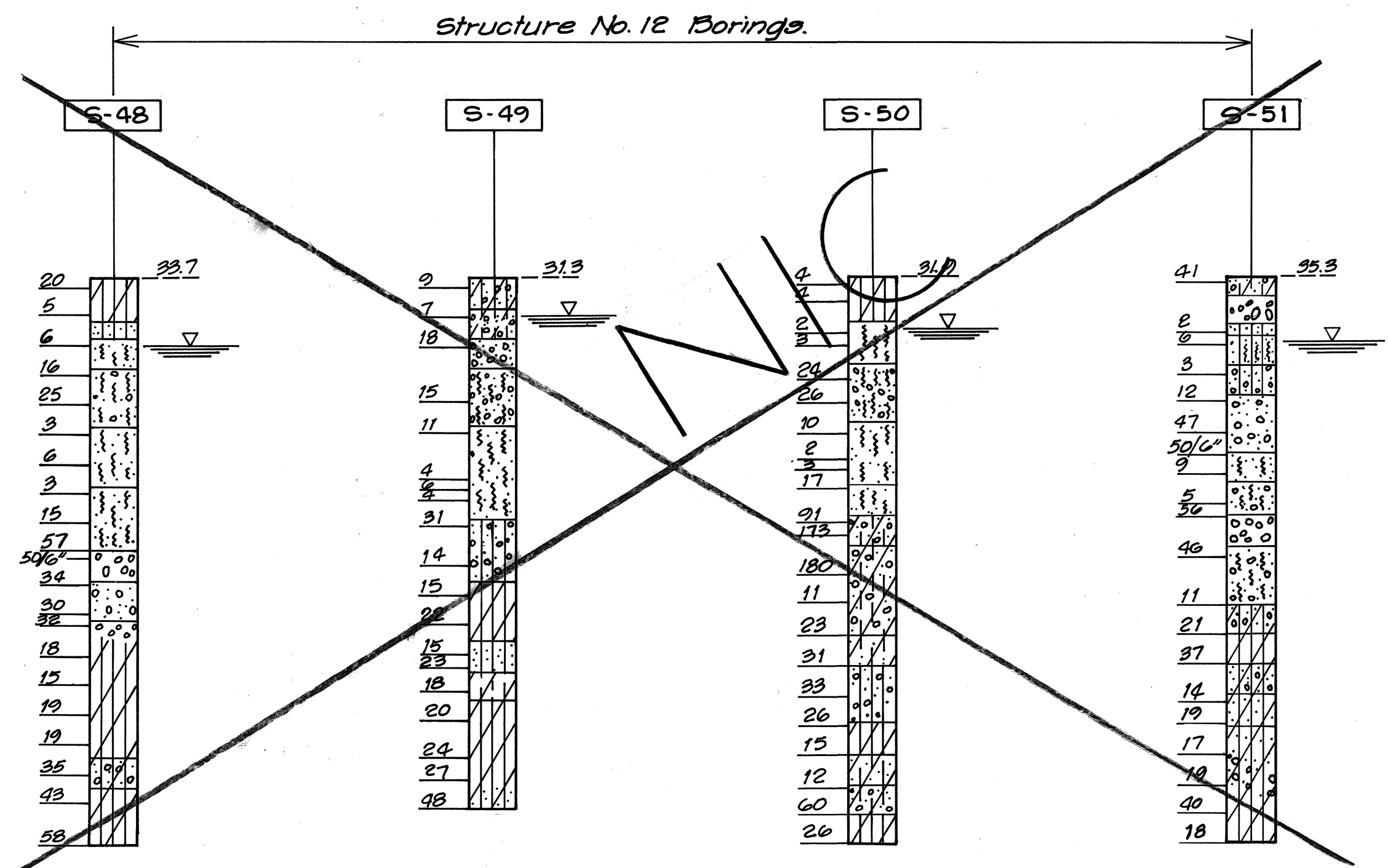
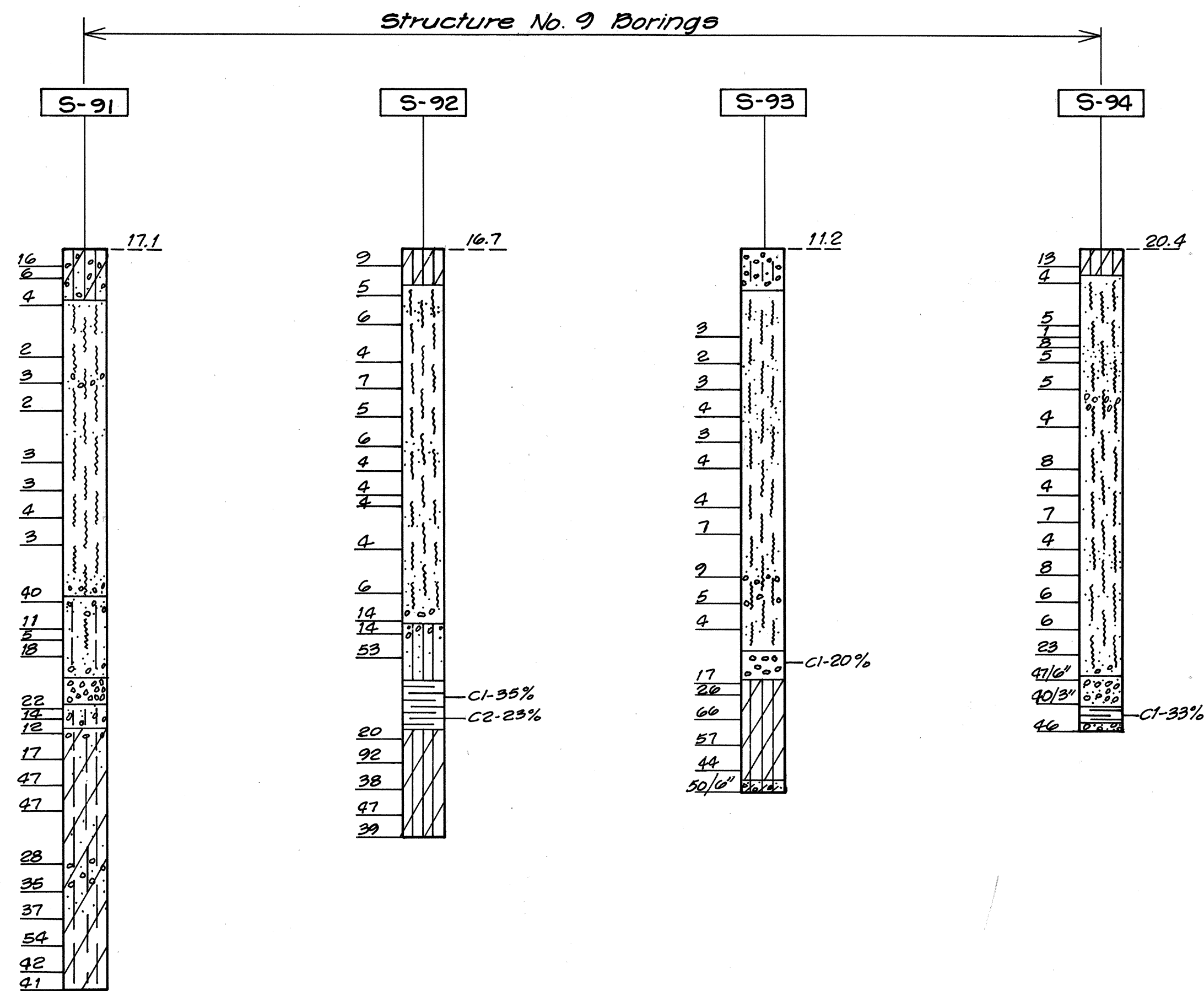
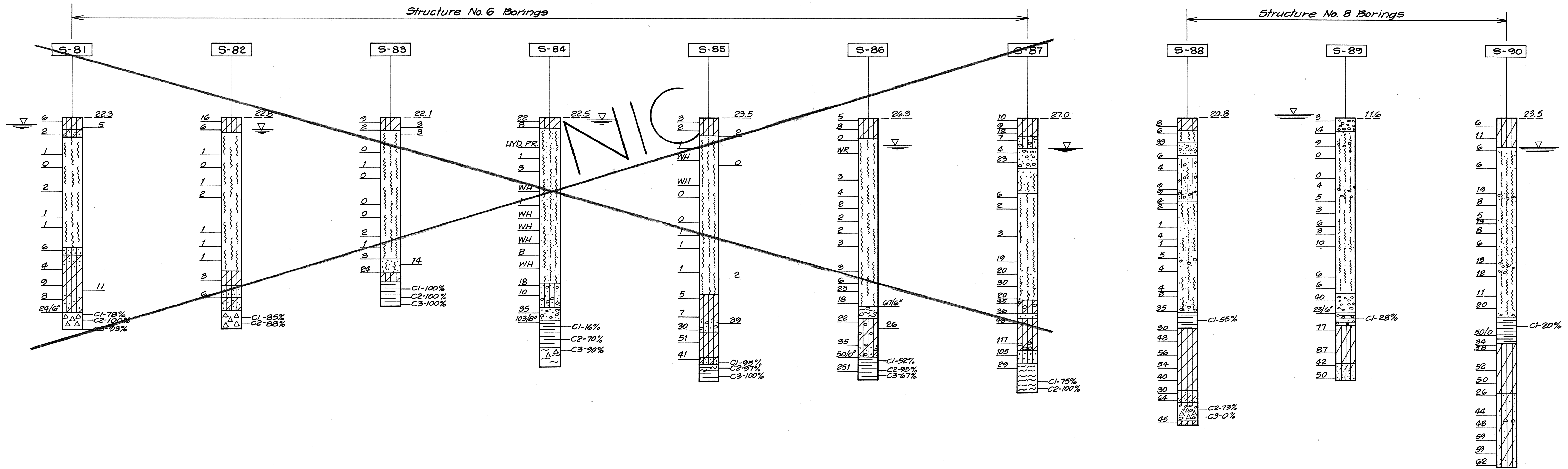
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

BORING LOGS

INTERSTATE ROUTE H-1
 PROJECT NO. I-HI-1(88):13

SCALE: VERT. 1"=20' DATE: Jul. 17, 1970
 SHEET NO. 10 OF 11 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(88):13	1971	113	457

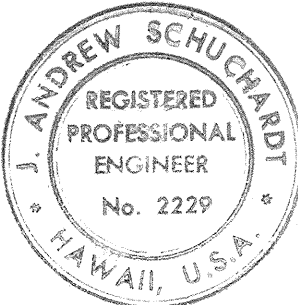


Note for S-Series Borings:
1. C1, C2, etc. is Core Run No.
% is Core Recovery

DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
TRACED BY	_____
CHECKED BY	_____
NOTE BOOK	_____
No.	_____

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J. Andrew Schuchard



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

BORING LOGS

INTERSTATE ROUTE H-1
PROJECT NO I-HI-1(88):13
SCALE: VERT. 1"=20' DATE: Jul. 17, 1970
SHEET No. 11 OF 11 SHEETS