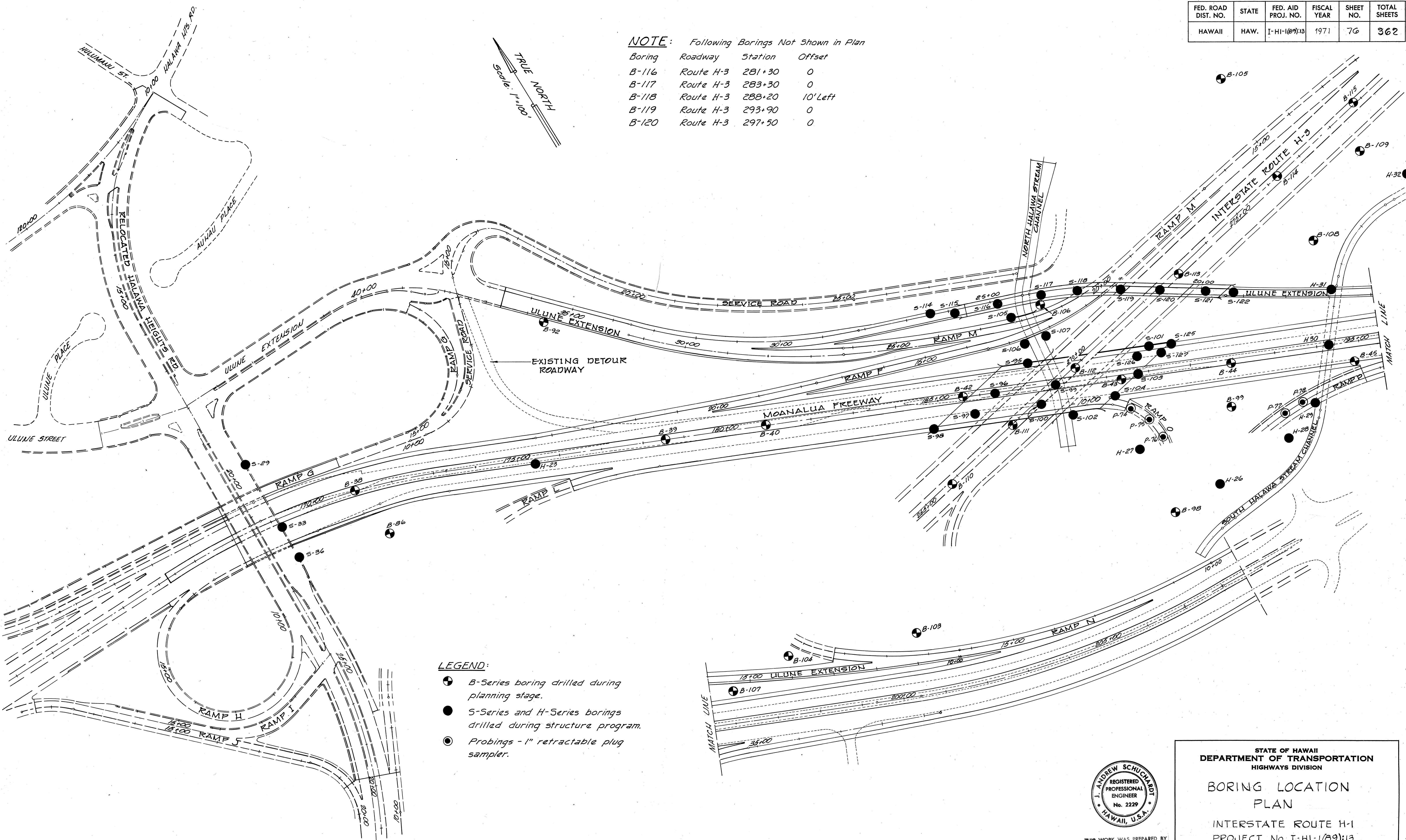
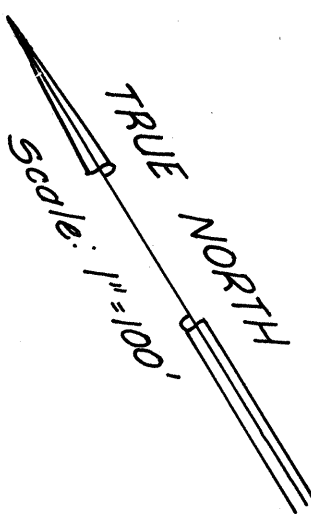


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(89):13	1971	76	362

NOTE: Following Borings Not Shown in Plan

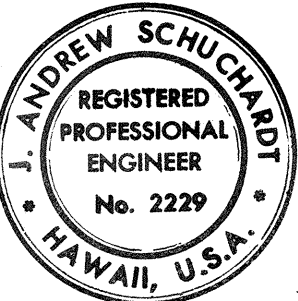
Boring	Roadway	Station	Offset
B-116	Route H-3	281+30	0
B-117	Route H-3	283+30	0
B-118	Route H-3	288+20	10' Left
B-119	Route H-3	293+90	0
B-120	Route H-3	297+50	0



LEGEND:

- B-Series boring drilled during planning stage.
- S-Series and H-Series borings drilled during structure program.
- ⊗ Probing - 1" retractable plug sampler.

SURVEY PLANNED BY	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
QUANTITIES BY	
CHECKED BY	
NO.	



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

BORING LOCATION
PLAN
INTERSTATE ROUTE H-1
PROJECT No. I-HI-1(89):13
SCALE: 1"=100'
DATE: Oct 30, 1970
SHEET No. 76 OF 362 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(89)13	1971	77	362

GENERAL NOTES

1. NUMBERS 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.

2.  WATER LEVEL
* 3.  COHESION VALUE FROM UNCONFINED COMPRESSION TEST. (PSF)

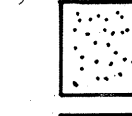
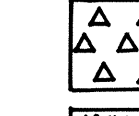
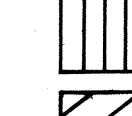
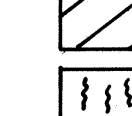
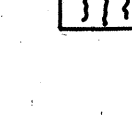
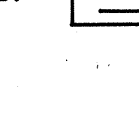
4. SOIL SYMBOL REPRESENTS A GENERALIZED CLASSIFICATION. SEE BORING LOGS FOR DETAILED CLASSIFICATION.

5. 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		SCORIAECOUS 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. INSPECTORS BORING AND PROBING LOGS ARE AVAILABLE FOR CONTRACTOR'S USE.

FOR BORING LOCATIONS SEE SHEET P1

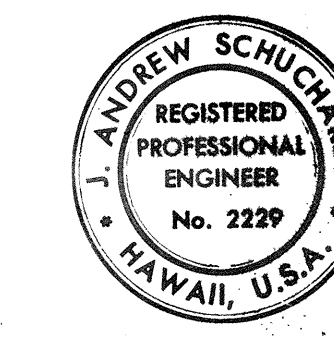
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

BORING LOGS

INTERSTATE ROUTE H-1
PROJECT NO I-HI-1(89)13

SCALE: 1"=20' DATE: Oct. 30, 1970

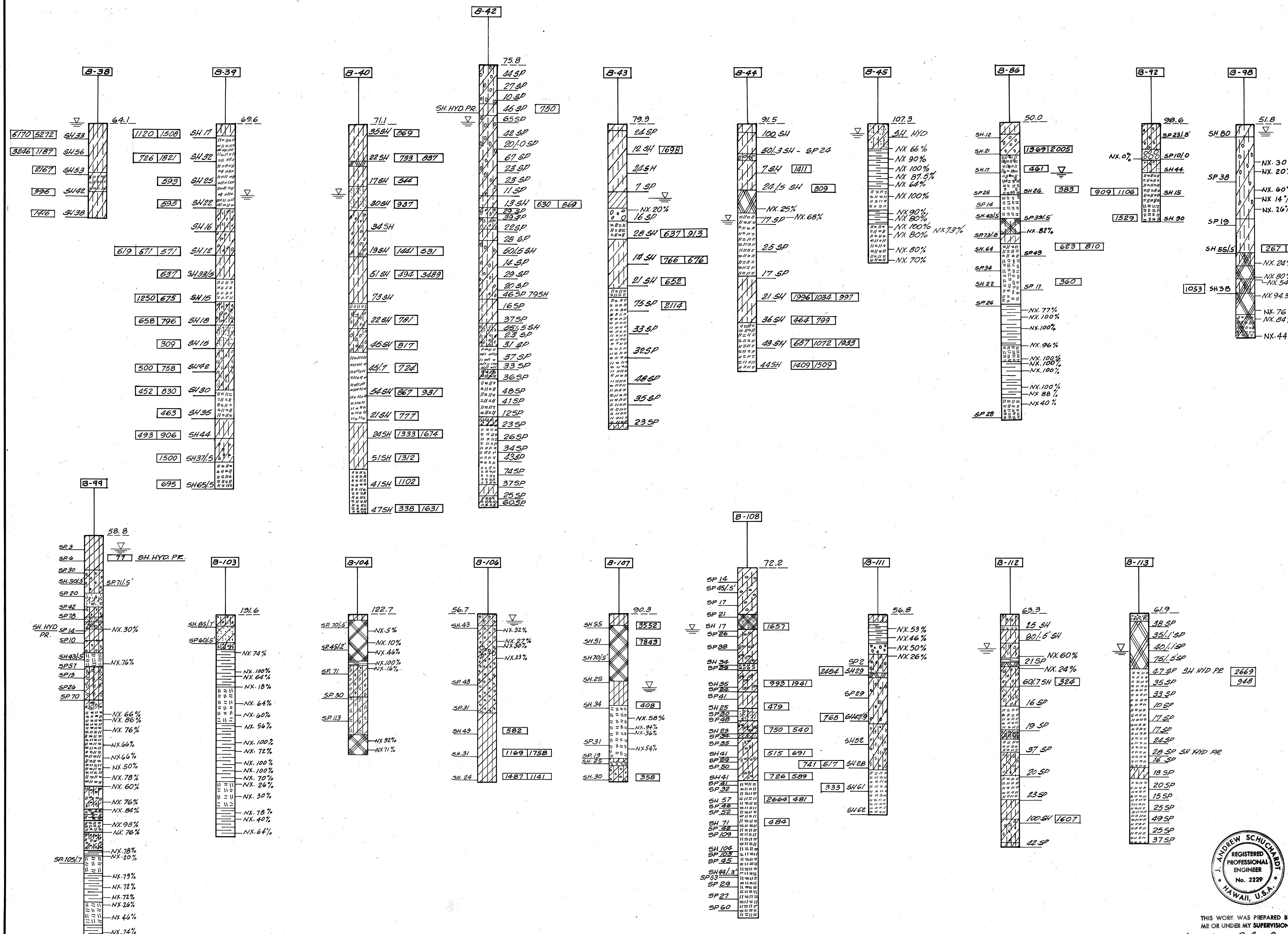
SHEET No. P2 OF 5 SHEETS



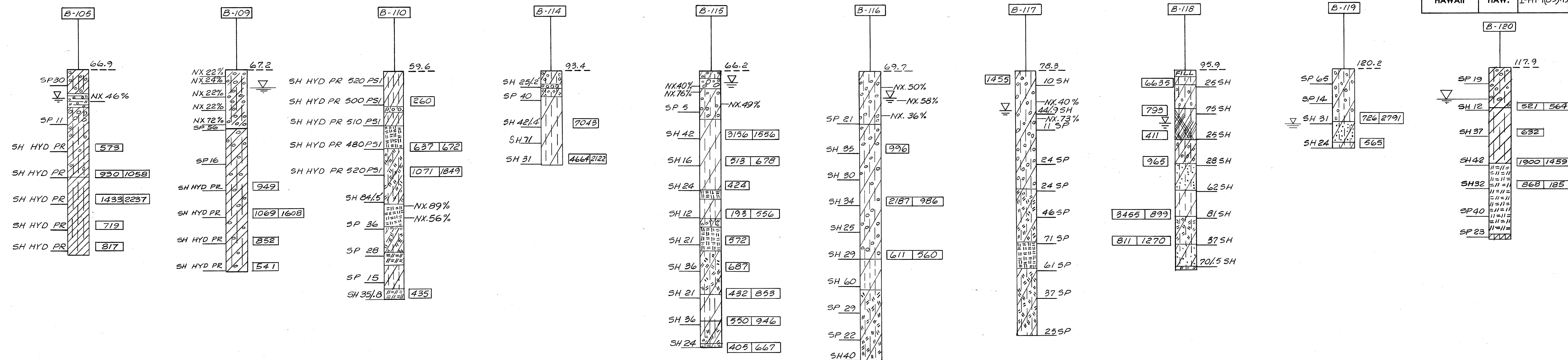
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DATE	
DESIGNED BY	
CHECKED BY	
NOTED BY	
ORIGINAL PLAN	
NO.	

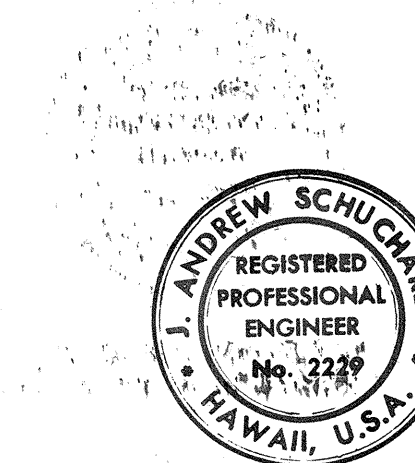


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(89)13	1971	78	362



ORIGINAL PLAN	SURVEY PLOTTED BY.....	DATE.....
NOTE BOOK	DRAWN BY.....	".....
	TRACED BY.....	".....
	DESIGNED BY.....	".....
	QUANTITIES BY.....	".....
No.	CHECKED BY.....	".....

FOR GENERAL NOTES, ABBREVIATIONS
AND LEGEND, SEE SHEET P2



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E. Arthur Hubbard

**STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION**

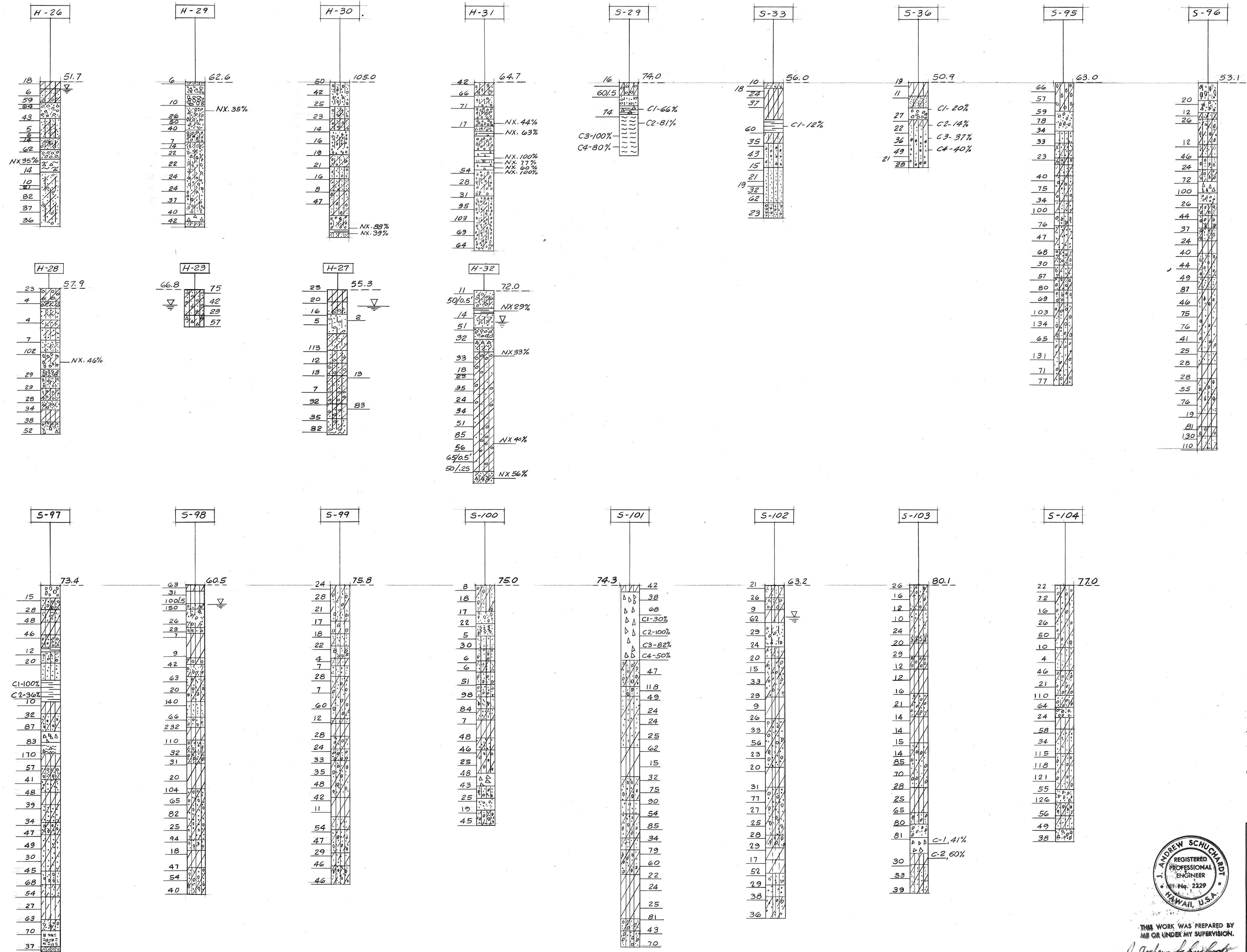
BORING LOGS

INTERSTATE ROUTE H-1
PROJECT No. I-HI-1(89):13

SCALE: VERT. 1" = 20' DATE: Oct. 30, 1970

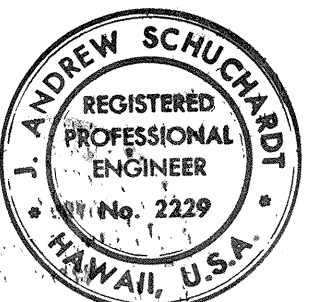
SHEET No. P3 OF 5 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(89):13	1971	79	362



FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET P2

NOTE FOR S-SERIES BORINGS:
C-1, C-2, ETC. ARE CORE RUN NUMBERS.
% IS CORE RECOVERY.



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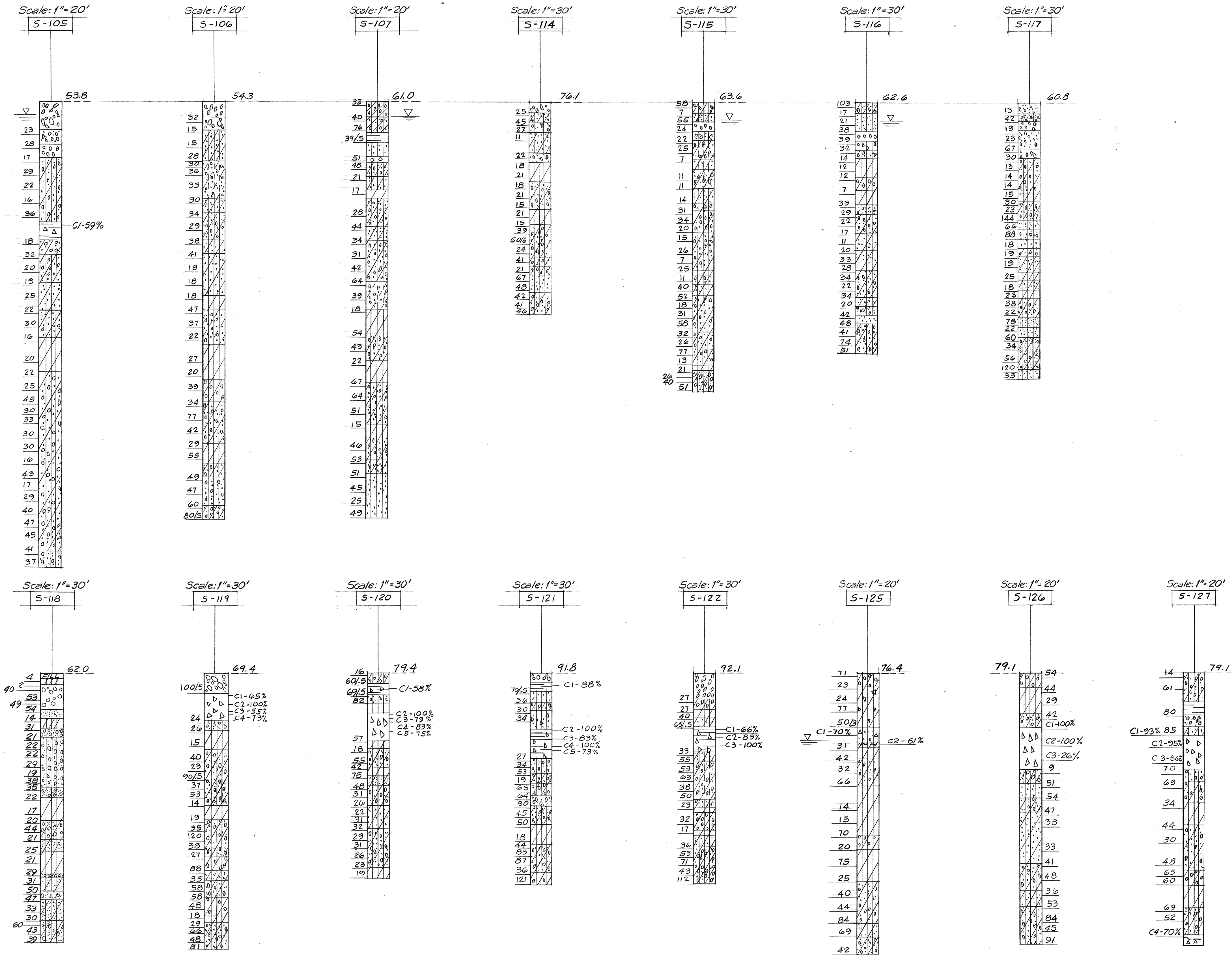
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

BORING LOGS
INTERSTATE ROUTE H-1
PROJECT NO. I-HI-1(89):13

SCALE: VERT. 1"=20' DATE: Oct. 30, 1970
SHEET No. P4 OF 5 SHEETS

ORIGINAL PLAN	DATE
DRAWN 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(89):13	1971	80	362



FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET P2

NOTE FOR S-SERIES BORINGS:
C-1, C-2, ETC. ARE CORE RUN NUMBERS.
% IS CORE RECOVERY.

DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
DESIGNED 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(89):13

SCALE: AS NOTED DATE: Oct. 30, 1970

SHEET No. 80 OF 5 SHEETS

80