

<u> 25</u>

107688	No. 25: IA-	25'IT	No. 26: IA-2 40' RT
DEPTH (FT.) SYMBOL UNIFIED SOIL CLASSIFICATION SPT	NOTE DESCRIPTION	9 6	SYMBOL UNIFIED SOI CLASSIFICATII SPT N BLOWS PER O D Z D Z
(MH) 3	(RESIDUAL SOIL) STIFF, MOTTLED REDDISH BROWN W BLACK STREAKS, CLAYEY SILT W SOME DECOMPOSED ROCK (SAPROLITE)	SOFT TO VERY SOFT, BROWN AND GRAY, BASALT, VERY CLOSELY FRACTURED, MODERATELY TO HIGHLY WEATHERED (SAPROLITE) VERY SOFT, REDDISH BROWN, CLINKER, HIGHLY TO COMPLETELY WEATHERED (SAPROLITE) MODERATELY HARD, GRAY, BASALT, CLOSELY FRACTURED,	DELEV. = 1014.73 FL SOFT, GRAY AND BROWN, BASALT, CLOSELY TO VERY CLOSELY FRACTURED, MODERATELY TO HIGHLY WEATHERED (AA) SOFT TO MODERATELY HARD, GRAY, BASALT, CLOSELY FRACTURED, MODERATELY WEATHERED (AA) STIFF, MOTTLED REDDISH BROWN W/BLACK, CLAYEY SILT W/ SOME DECOMPOSED ROCK (RESIDUAL SOIL) SOFT TO MODERATELY HARD, REDDISH BROWN BROWN-GRAY, VESICULAR BROWN-GRAY, VESICULAR BASALT, CLOSELY FRACTURED,
20 (MH) 1	VERY STIFF, MOTTLED GRAY & HO BROWN WITH SOME RED, CLAYEY	SLIGHTLY WEATHERED (AA) VERY HARD, GRAY, BASALT, CLOSELY FRACTURED, FRESH (AA) SOFT, REDDISH BROWN, CLINKER, HIGHLY TO COMPLETELY WEATHERED (SAPROLITE) SOFT, BROWN AND GRAY, BASALT, VERY CLOSELY FRACTURED, HIGHLY WEATHERED (AA)	(RESIDUAL SOIL) (RESIDUAL SOIL) (RESIDUAL SOIL) (MH) 25 (RESIDUAL SOIL) (MH) 25 (RESIDUAL SOIL) (MH) 25 (RESIDUAL SOIL) (MH) 26 (RESIDUAL SOIL) (MH) 27 (RESIDUAL SOIL) (MH) 28 (RESIDUAL SOIL) (MH) 27 (RESIDUAL SOIL) (MH) 28 (RESIDUAL SOIL) (MH) 29 (RESIDUAL SOIL) (MH) 20 (RESIDUAL SOIL) (MH) 20 (RESIDUAL SOIL) (MH) 25 (RESIDUAL SOIL) (MH) 26 (RESIDUAL SOIL) (MH) 27 (RESIDUAL SOIL) (MH) 27 (RESIDUAL SOIL) (MH) 28 (RESIDUAL SOIL) (MH) 29 (RESIDUAL SOIL) (MH) 29 (RESIDUAL SOIL) (MH) 20 (RESIDUAL SOIL) (MH) 20 (RESIDUAL SOIL) (MH) 20 (RESIDUAL SOIL) (MH) 25 (RESIDUAL SOIL) (MH) 26 (RESIDUAL SOIL) (MH) 27 (RESIDUAL SOIL) (MH) 27 (RESIDUAL SOIL) (MH) 28 (RESIDUAL SOIL) (MH) 29 (RESIDUAL SOIL) (MH) 29 (RESIDUAL SOIL) (MH) 20 (RESIDUAL SOIL) (MH) 20 (RESIDUAL SOIL) (MH) 20 (RESIDUAL SOIL) (MH) 25 (RESIDUAL SOIL) (MH) 26 (RESIDUAL SOIL) (MH) 27 (RESIDUAL SOIL) (MEATHERED (AA) (MODERATELY HARD, GRAY, BASALT, VERY CLOSELY FRACTURED, MODERATELY WEATHERED (PAHOEHOE) (PAHOEHOE) (PAHOEHOE) (PAHOEHOE) (RESIDUAL SOIL)
25 (MH) 15 30 MH (4	YERY STIFF, MOTTLED BROWN, CLAYEY SILT WITH SOME DECOMPOSED ROCK (SAPROLITE) VERY STIFF, REDDISH BROWN, 120 22	VERY HARD, GRAY, BASALT, CLOSELY TO VERY CLOSELY ERACTURED, FRESH (AA) VERY SOFT, REDDISH BROWN AND GRAY, CLINKER, HIGHLY WEATHERED (SAPROLITE) SOFT TO VERY SOFT, BROWNISH GRAY, CLINKER, HIGHLY	MH (45) REDDISH BROWN W BLACK, CLAYEY SILT W SOME DEOMPOSED ROCK (RESIDUAL SOIL) MH (45) REDDISH BROWN W BLACK, CLAYEY SILT W SOME DEOMPOSED ROCK (RESIDUAL SOIL) SUIGHTLY TO MODERATELY WEATHERED (PAHOEHOE) SOFT, CLINKER? (NO RECOVERY) MODERATE LY HARD, GRAY, BASALT, VERY CLOSELY FRACTURED, SLIGHTLY TO MODERATELY WEATHERED (AA)
900	STIFF, MOTTLED BROWN, SANDY SILT WITH DECOMPOSED ROCK (SAPROLITE)	WEATHERED (SAPROLITE) HARD GRAY BASALT, VERY CLOSELY FRACTURED, HIGHLY WEATHERED (AA) VERY SOFT, RED AND VELLOW AND GRAY, CLINKER, HIGHLY WEATHERED HARD TO VERY HARD, GRAY VESCULAR BASALT, VERY	BROWNISH GRAY AND RED, 125 2 WEATHERED (MH) 18 SILTY CLAY (DECOMPOSED CLINKER) HARD, MOTILED GRAYISH BROWN, SILTY CLAY (SAPROLITE) HARD, MOTILED GRAYISH BROWN, BROWN AND GRAY, CLINKER, HIGHLY WEATHERED
	DENSE, MOTTLED BROWN, SILTY GRAVEL (DEOMPOSED ROCK) (SAPROLITE) VERY STIFF, MOTTLED REDDISH BROWN, CLAYEY SILT W DECOMPOSED ROCK (SAPROLITE) VERY STIFF, MOTTLED GRAYISH BROWN AND RED, CLAYEY SILT 145	CLOSELY FRACTURED, HIGHLY WEATHERED (AA) VERY SOFT TO SOFT, REDDISH BROWN & GRAY, CINDERY CLINKER, HIGHLY WEATHERED BASALT FRAGMENT HARD, GRAY, BASALT, CLOSELY FRACTURED, SLIGHTLY WEATHERED (AA)	HARD, MOTTLED BROWN W/BLACK, 135 SANDY SILT W/DECOMPOSED BASALT (SAPROLITE) HARD, RED AND GRAY W/BROWN, SILTY CLAY (DECOMPOSED CLINKER/SAPROLITE) WERY HARD, GRAY, BASALT, CLOSELY FRACTURED, FRESH (AA) ± G" VOID OR OPENING SOFT TO VERY SOFT, REDDISH BROWN AND GRAY, CLINKER, HIGHLY WEATHERED
GO (MH) 19	WIDECOMPOSED ROCK (SAPROLITE) WATER LEVEL 5-9-90 VERY DENSE, MOTTLED GRAYISH	SOFT, REDDISH BROWN-GRAY, CLINKER, HIGHLY WEATHERED HARD TO VERY HARD, GRAY, BASALT, CLOSELY FRACTURED, SLIGHTLY WEATHERED TO FRESH (AA) VERY HARD, GRAY, BASALT, CLOSELY FRACTURED, FRESH (AA)	(MH) 17 WRED, CLAYEY SILT (SAPROLITE) DENSE, MOTTLED BROWNISH- GRAY, SILTY SAND (DECOMPOSED CLINKER/SAPROLITE) MEDIUM DENSE, BROWN & GRAY, 155 MEDIUM DENSE, BROWN & GRAY, 155 MEDIUM DENSE, BROWN & GRAY, 155 END OF BORING @ 153
70	VERY SOFT, MOTTLED REDDISH BROWN AND GRAY, CLINKER, 165	MODERATELY HARD TO SOFT, REDDISH BROWN TO GRAY, WELL CEMENTED CLINKER, MEDIUM FRACTURE, MODERATELY WEATHERED VERY HARD, GRAY, BASALT, CLOSELY FRACTURED, FRESH (AA) END OF BORING @ 1631	GRAVEL (DECOMPOSED ROCK) GROUND WATER NOT MEASURED HOLE CAVED IN MEDIUM DENSE, BROWNISH GRAY, SILTY GRAVEL AND SAND (DECOMPOSED ROCK) VERY DENSE, REDDISH BROWN AND GRAY SILTY SAND
СНЕСКЕВ ВУ	HIGHLY WEATHERED (SAPROLITE) VERY SOFT, MOTTLED BROWN ISH GRAY BASALT, VERY CLOSELY FRACTURED, MODERATELY WEATHERED (SAPROLITE) SOFT TO VERY SOFT, BROWN AND GRAY, BASALT, VERY CLOSELY FRACTURED,	WATER LEVEL 5-9-90 57.0'±	DECOMPOSED CLINKER/ SAPROLITE) SOFT, GRAY, BASALT, HIGHLY WEATHERED (AA) HARD, GRAY, BASALT, CLOSELY TO VERY CLOSELY FRACTURED MODERATELY TO HIGHLY WEATHERED VERY SOFT, REDDISH BROWN
90 ×	MODERATELY TO HIGHLY WEATHERED (SAPROLITE)		WEATHERED WEATHERED

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR		
HAWAII	HAW.	IH3- (71)	1991	26	618



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

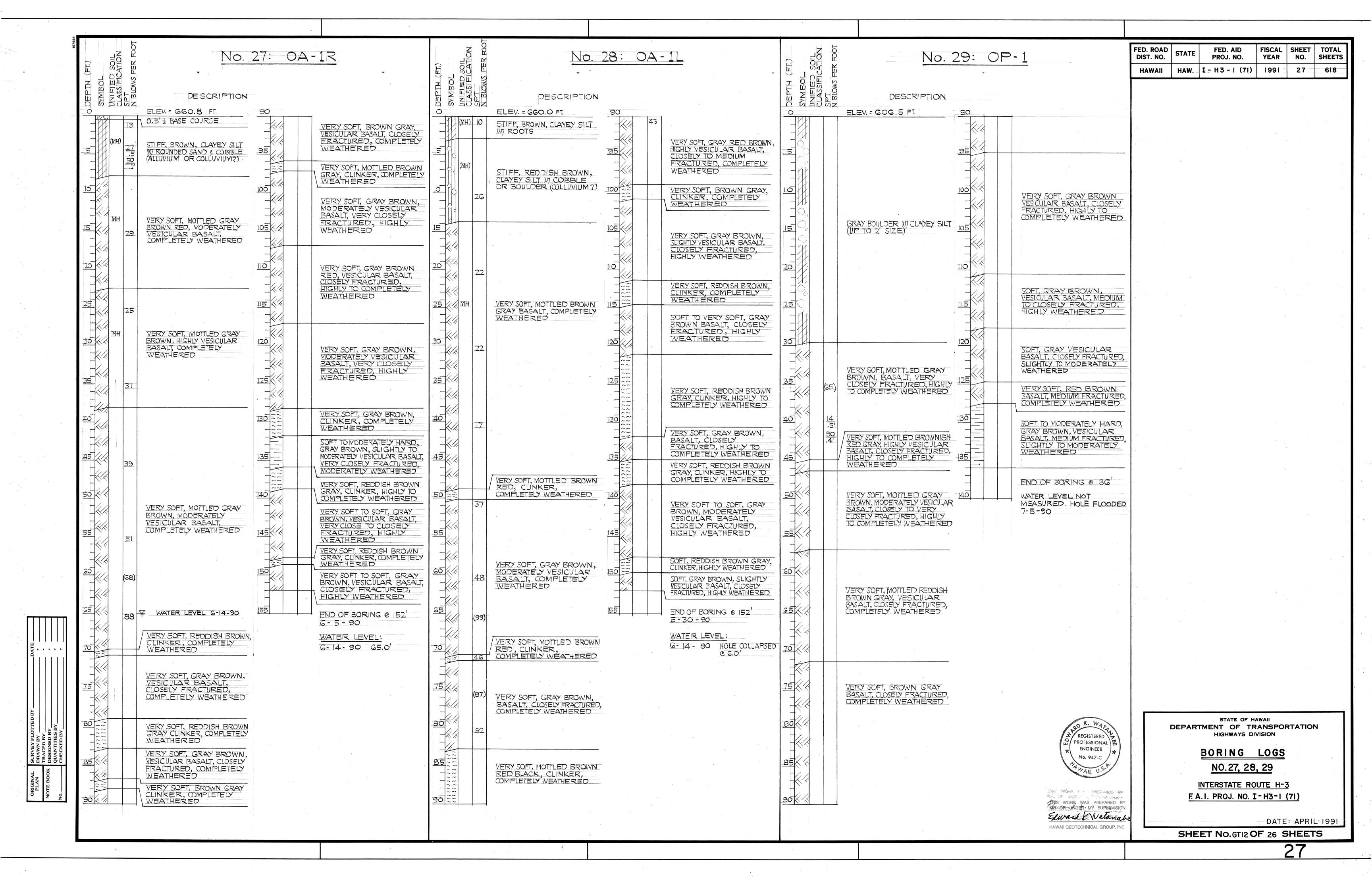
BORING LOGS

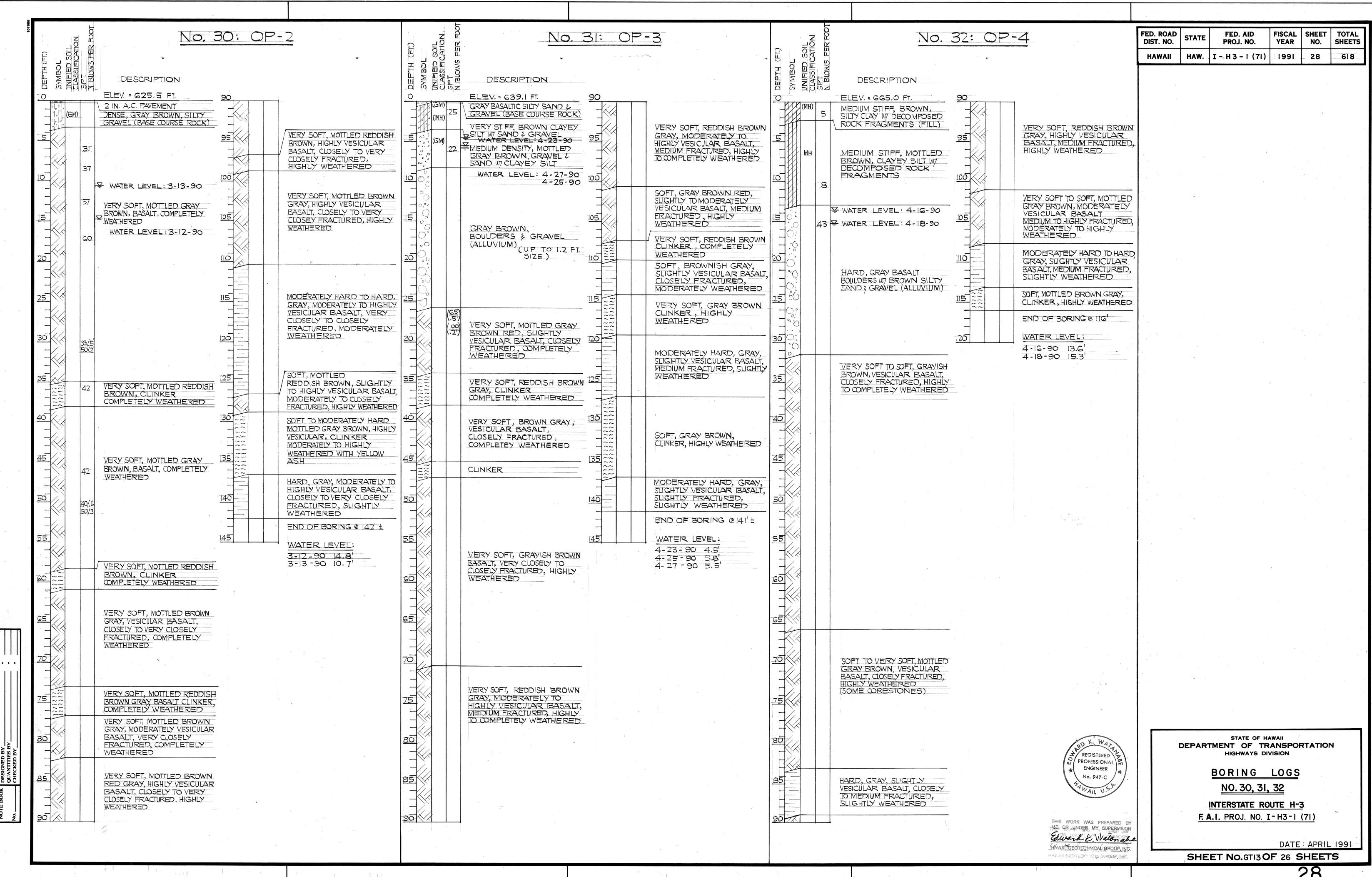
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INTERSTATE ROUTE H-3

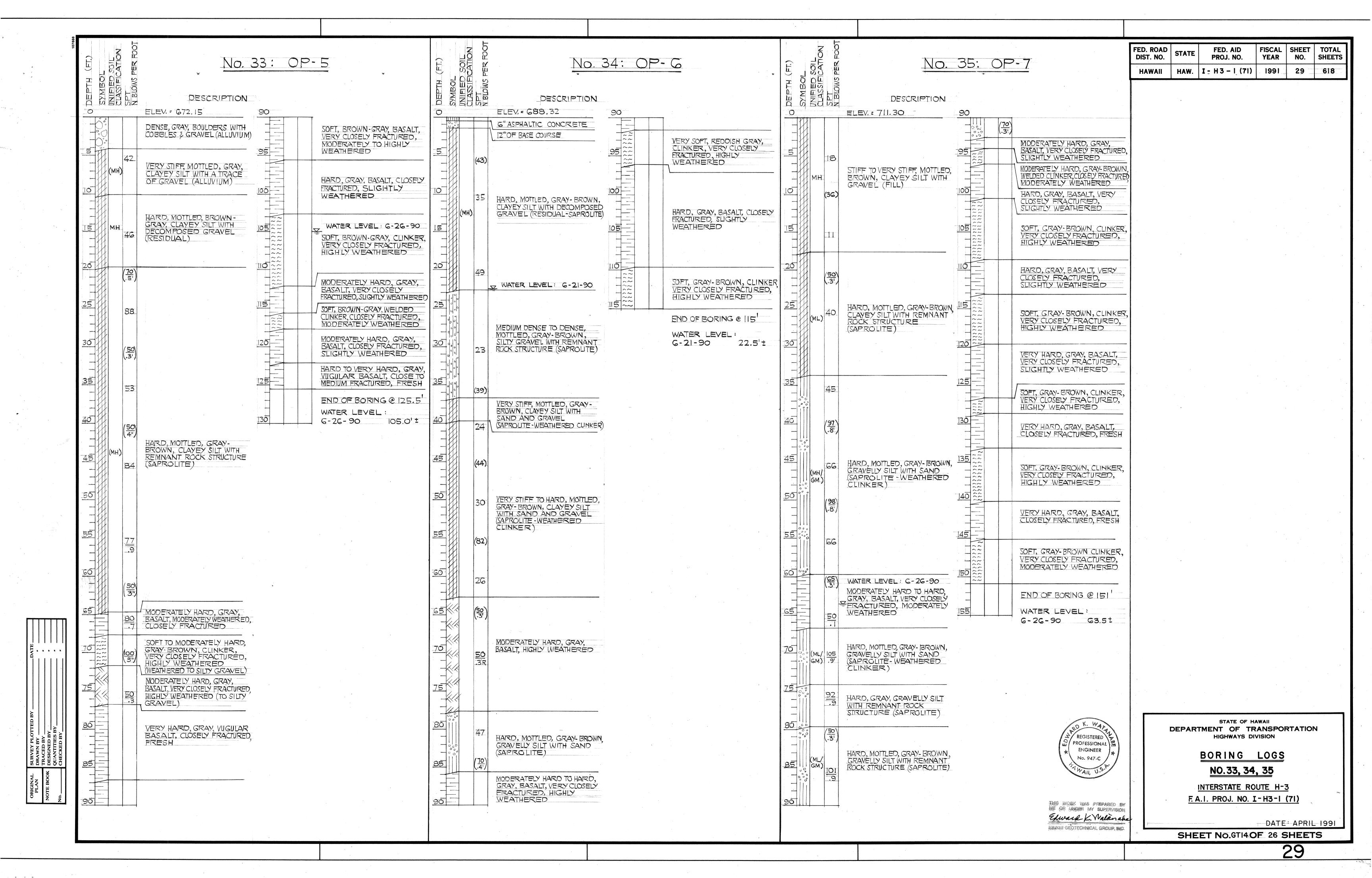
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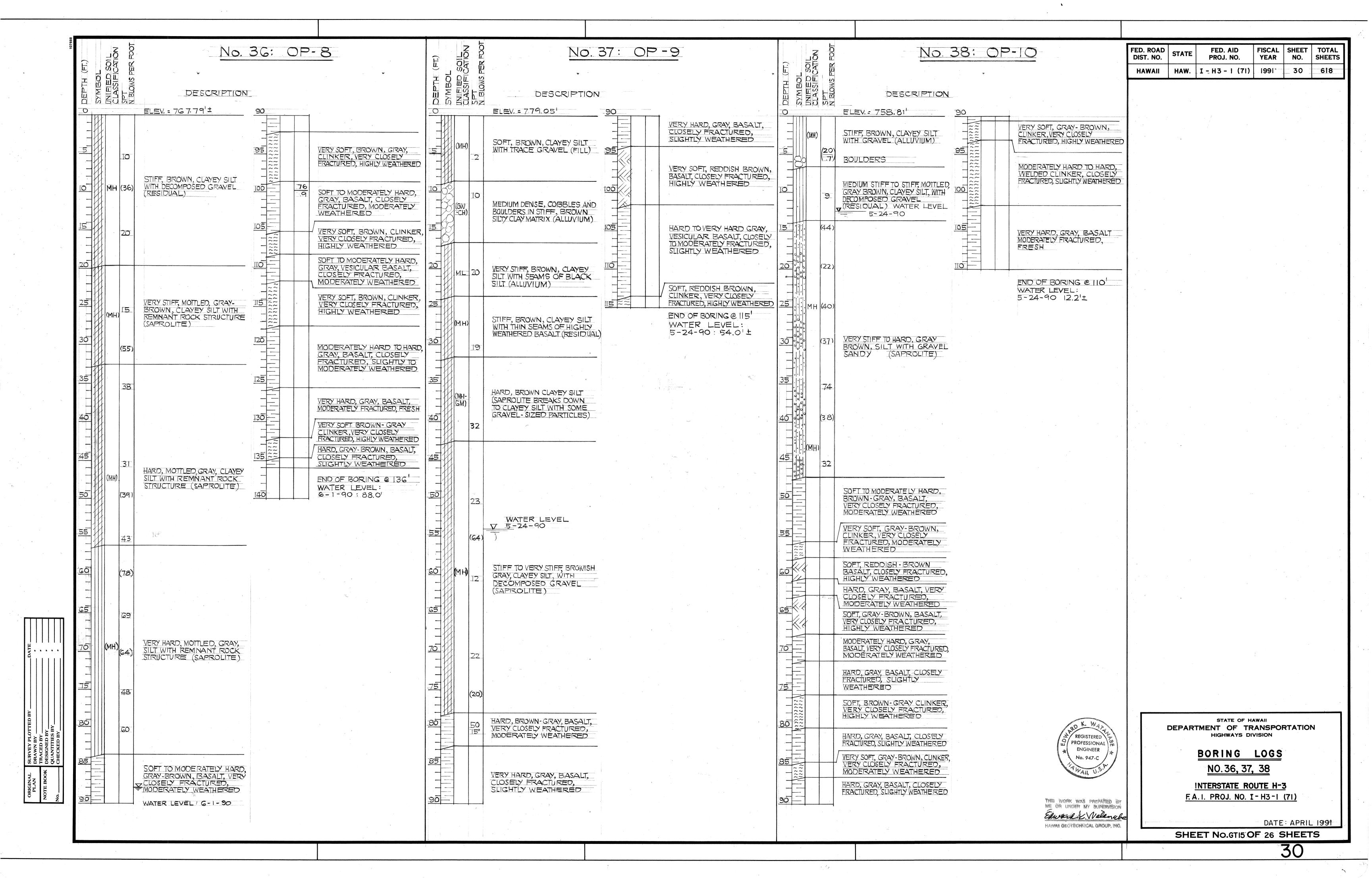
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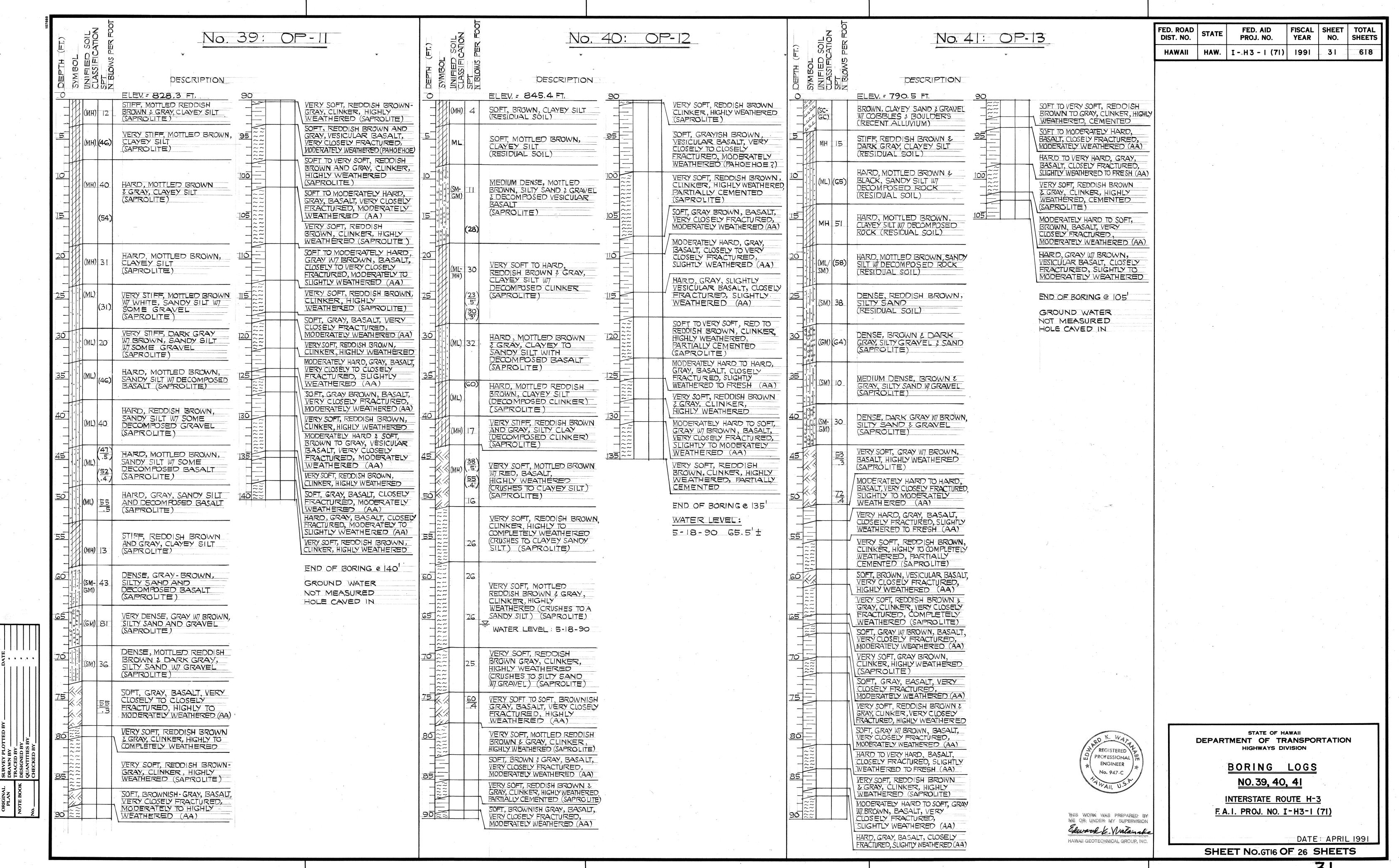
SHEET NO.GTII OF 26 SHEETS

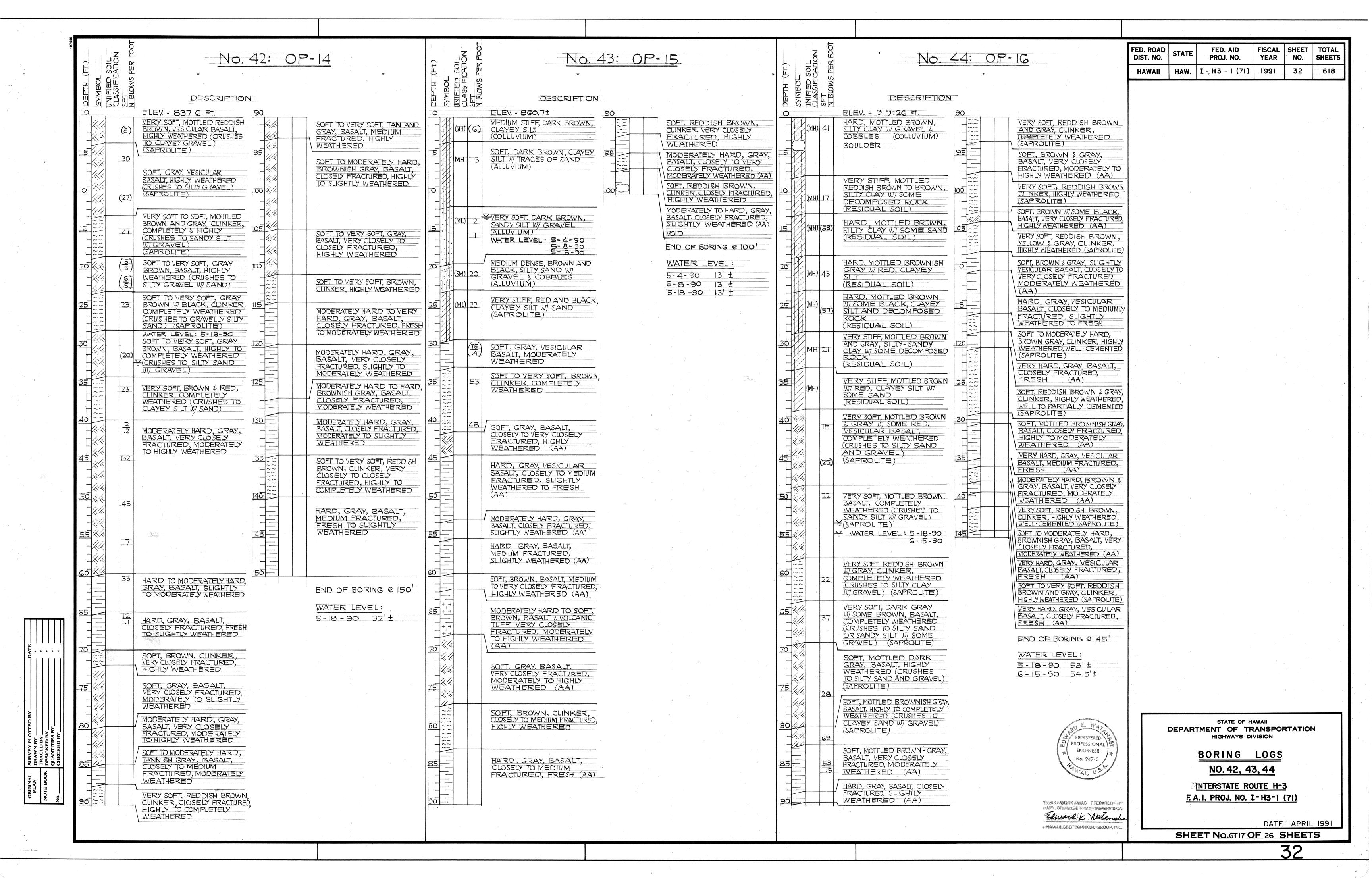


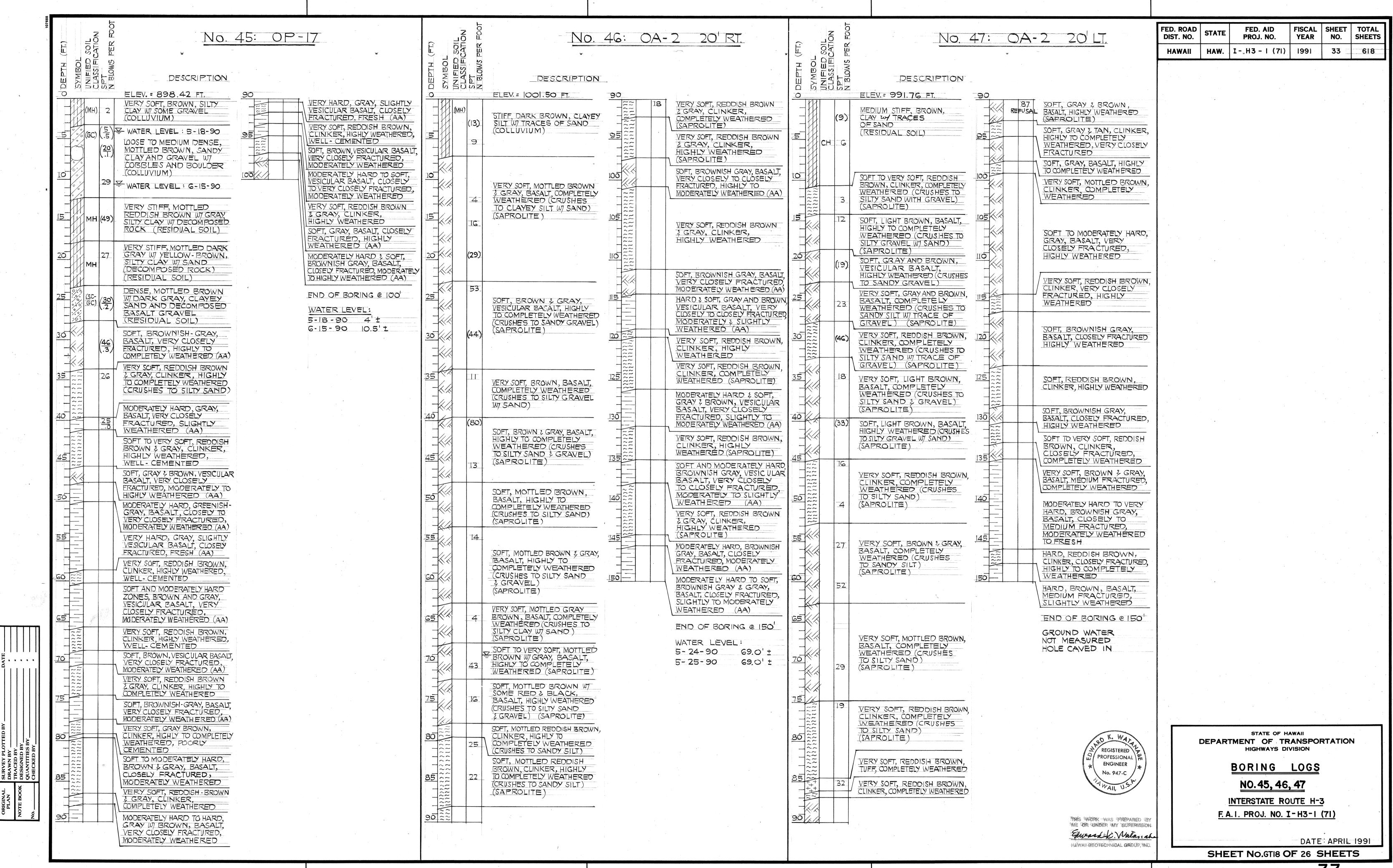


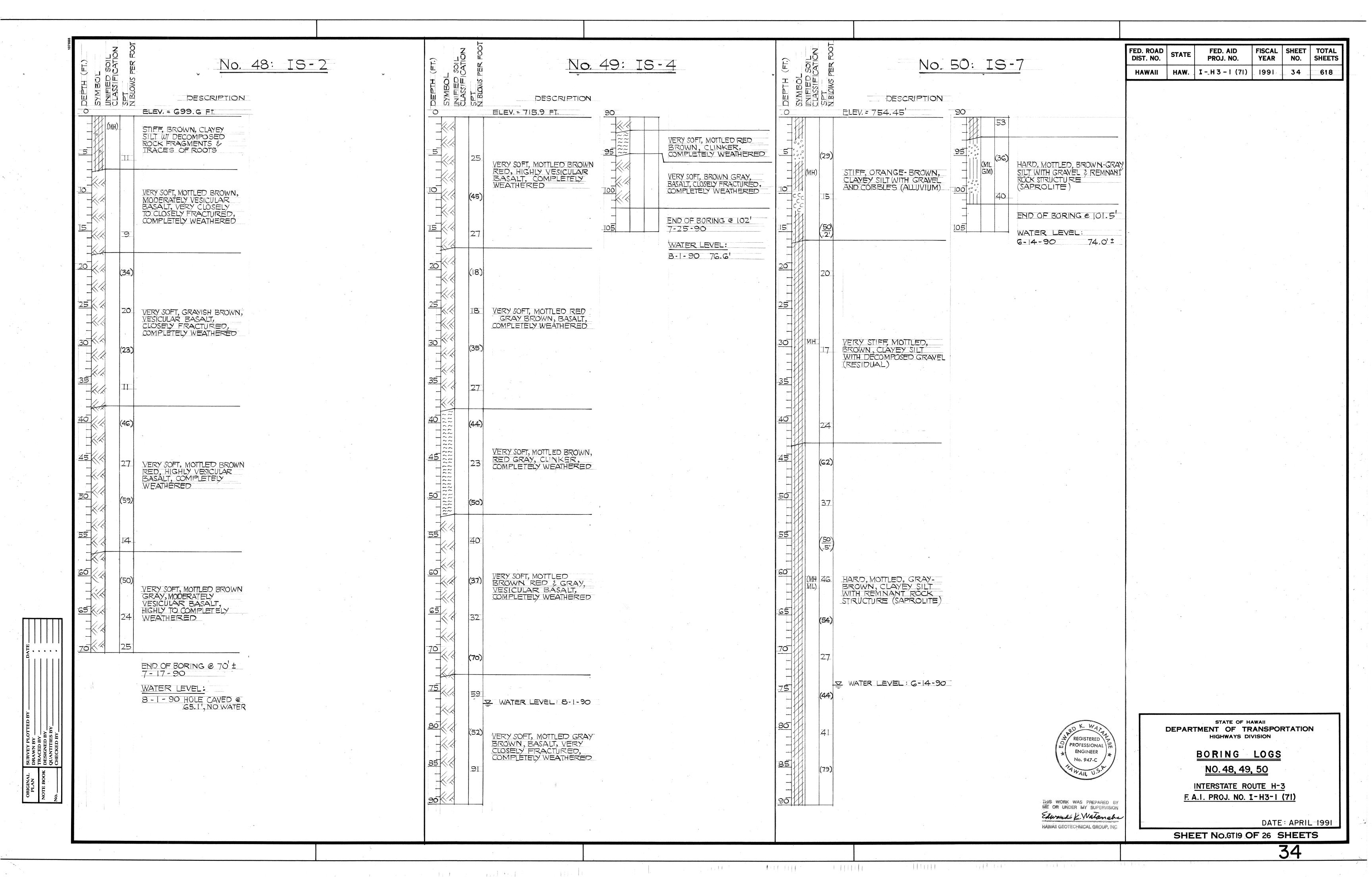


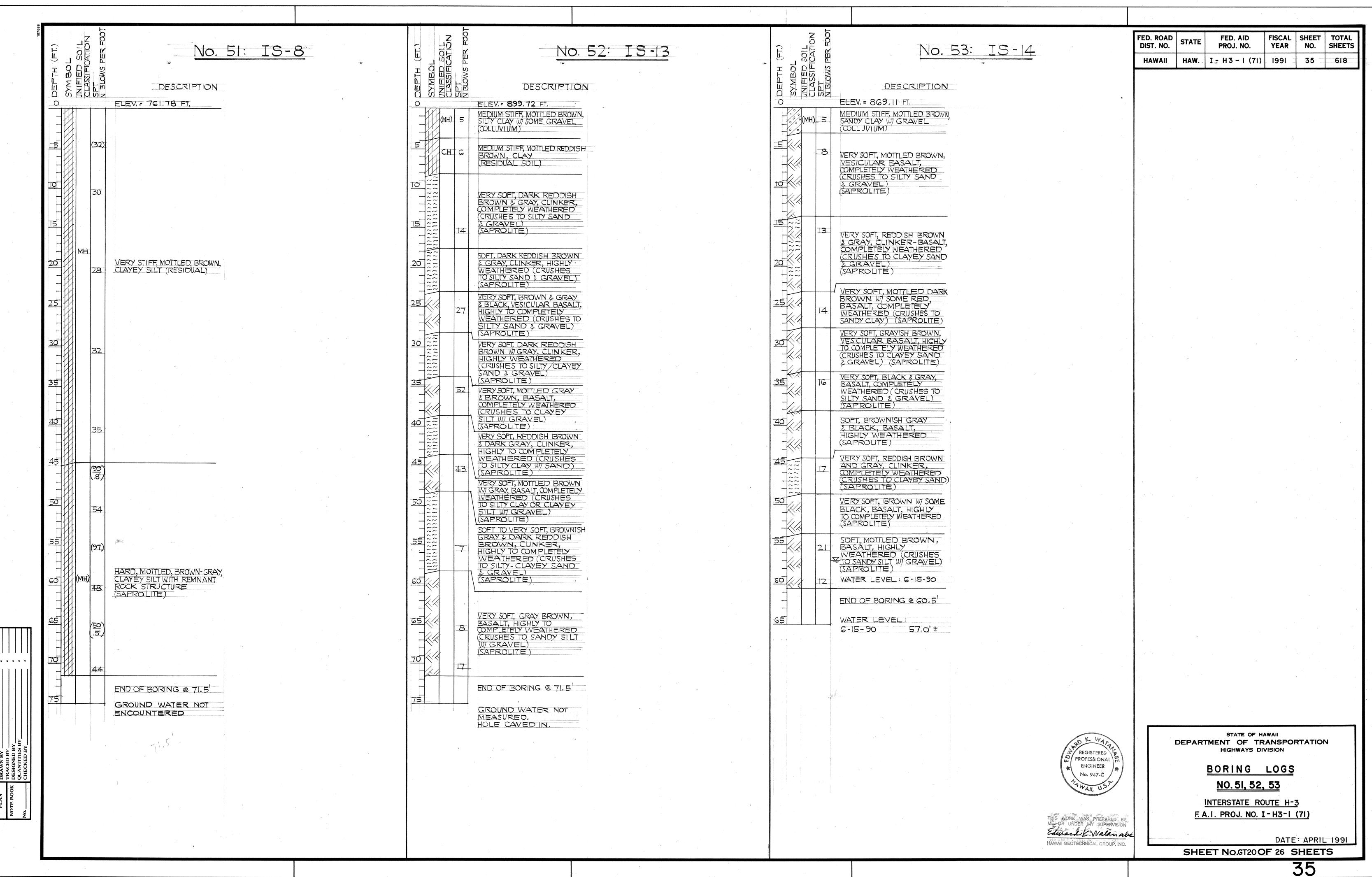




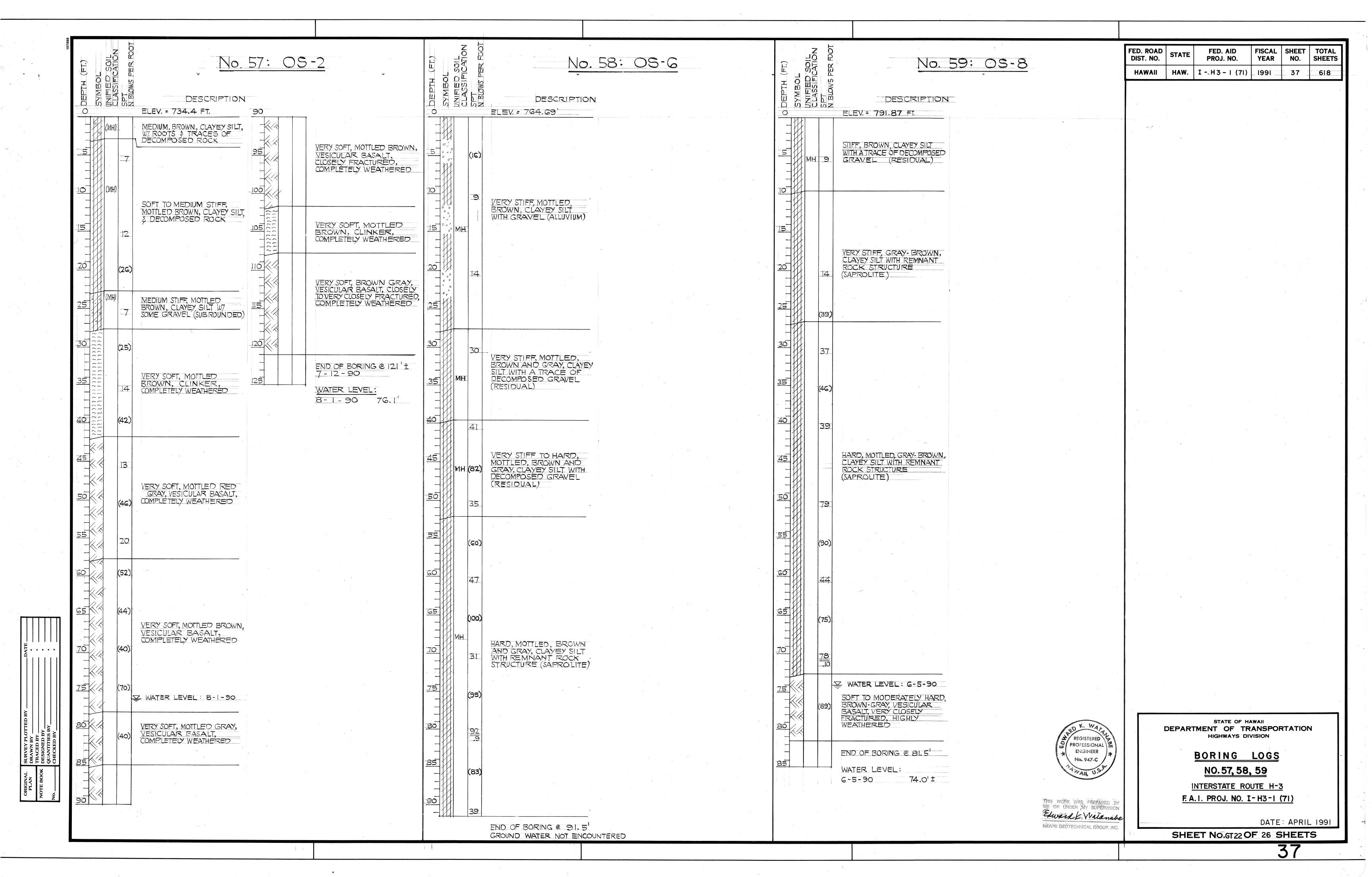








	(H. 100 No. 54: IS-15 No. 54: IS-15	FF 70° 2	5: IS-16	NO. 50 ATION SOIL ATION SOIL SATION O. 50		ED. ROAD STATE FED. AID FISCAL SHEET TOTAL SHEETS HAWAII HAW. I H3-I (71) 1991 36 618
	SYMBOL UNIFIED UNIFIED CLASSIFI SPT N BIOWS	SYMBOL UNIFIED CLASSIFI SPT SPT SPT SPT SPT N BLOWS		SYMBOL UNIFIED CLASSIFIC SPT N BLOWS I		
	SOFT, MOTITED BROWN W GRAY, VESICULAR BASALT, HIGHLY WEATHERED (CRUSHES TO CLAYEY SILT W) GRAVEL)	ELEV. = 902.60 FT. SOFT, MOTTLED BROWN SILTY CLAY WI TRACES OF GRAVEL (COLLUVIUM)		(MH) 3 SOFT TO VERY SOFT, MOTTLED BROWN SULTY CLAY		
	VERY SOFT, REDDISH BROWN, CLINKER, COMPLETELY WEATHERED (CRUSHES	MH 5 MEDIUM STIFF, MOTILED BROWN W GRAY, SILTY CLAY AND SOME DECOMPOSED GRAVEL (COLLUVIUM)		BROWN, SILTY CLAY (RESIDUAL SOIL)		
	WEATHERED (CRUSHES TO SILTY CLAY) (SAPROLITE)	VERY SOFT, REDDISH BROWN, CLINKER, COMPLETELY WEATHERED (CRUSHES TO CLAYEY SAND AND GRAVEL)		MEDIUM STIFF, MOTTLED BROWN EGRAY, SILTY CLAY W SOME GRAVEL (RESIDUAL SOIL)		
	VERY SOFT, GRAY & REDDISH BROWN, CLINKER - BASALT, COMPLETELY WEATHERED (CRUSHES TO SILTY CLAY) (SAPROLITE)	SAPROLITE) VERY SOFT, REDDISH BROWN, WITH BROWN, CLINKER, COMPLETELY WEATHERED (CRUSHES TO CLAYEY SAND AND GRAVEL) (SAPROLITE)		DENSE, MOTTLED BROWN SCRAY, SILTY SAND RESIDUAL SOIL)		
	VERY SOFT, MOTTLED BROWN W GRAY, VESICULAR BASALT, COMPLETELY WEATHERED (CRUSHES TO CLAYEY SILT W GRAVEL)	SOFT TO VERY SOFT, MOTTLED BROWN W BLACK, VESICULAR BASALT, HIGHLY WEATHERED		DENSE, MOTTLED BROWN EGRAY, SANDY SILT WITH DECOMPOSED ROCK		
	25 ~ 23 VERY SOFT, REDDISH BROWN	SAPROLITE) VERY SOFT, REDDISH BROWN SERAY, CLINKER (CRUSHES TO SILTY CLAY) (SAPROLITE)		(RESIDUAL SOIL) 25 (MH) 13 STIFF, MOTTLED REDDISH		
	SERAY, CLINKER, COMPLETELY WEATHERED (CRUSHES TO SILTY CLAY W) GRAVEL) (SAPROLITE)	SOFT, BROWNISH GRAY WI BLACK & RED, VESICULAR BASALT, HIGHLY TO MODERATELY		BROWN WITH SOME GRAY, SILTY CLAY (RESIDUAL SOIL)		
	VERY SOFT, MOTTLED BROWN, YESICULAR BASALT, COMPLETELY WEATHERED (CRUSHES TO SILTY SAND	WEATHERED (SAPROLITE) VERY SOFT, BROWN & GRAY, BASALT, HIGHLY TO COMPLETELY WEATHERED (CRUSHES TO CLAYEY SILT WGRAVEL) (SAPROLITE)		VERY STIFF, MOTTLED BROWN W/GRAY SILTY CLAY WITH SOME DECOMPOSED ROCK (RESIDUAL SOIL)		
	AND GRAVEL) (SAPROLITE) VERY SOFT, MOTTLED BROWN	WGRAVEL) (SAPROLITE) VERY SOFT, BROWN W SOME WHITE, VESICULAR BASALT, HIGHLY WEATHERED (CRUSHES TO SILTY SAND W) GRAVEL) (SAPROLITE)		SOFT, MOTILED BROWN WI SOME RED & BLACK, BASALI, COMPLETELY WEATHERED		
	W GRAY, VESICULAR BASALT, COMPLETELY WEATHERED (CRUSHES TO SILTY SAND AND GRAVEL) (SAPROLITE)	(CRUSHES TO SILTY SAND W) GRAVEL) (SAPROLITE) 45 SOFT, GRAY WITH SOME BROWN, VESICULAR BASALT, HIGHLY WEATHERED		45 22 7 VERY SOFT, REDDISH BROWN		
	SOFT TO VERY SOFT, BROWN, BASALT, HIGHLY WEATHERED (CRUSHES JOSILTY SAND & GRAVEL)	(SAPROLITE) 50 44 SOFT, GRAY, VESICULAR BASALT, MODERATELY TO		AND GRAY, CLINKER, COMPLETELY WEATHERED (CRUSHES TO SILTY SAND WITH GRAYEL) (SAPROLITE)		
	JOSILTY SAND & GRAVEL) (SAPROLITE) SOFT, BROWN, VESICULAR BASALT, HIGHLY WEATHERED (CRUSHES TO SILTY GRAVEL & SAND)	HIGHLY WEATHERED (SAPROLITE) FIND OF BORING @ 51.5'		VERY SOFT, BROWN & GRAY, BASALT, COMPLETELY WEATHERED (CRUSHES TO SILTY SAND W GRAVEL)		
	VERY SOFT, REDDISH BROWN, CLINKER, COMPLETELY	WATER LEVEL: G-15-90 49.5'±		SILTY SAND WGRAVEL)		
	MODERATELY HARD TO SOFT, GRAY, BASALT,			SOFT, BROWN W GRAY, VESICULAR BASALT, HIGHLY WEATHERED (AA)		
	MODERATELY WEATHERED TO END OF BORING e 68.7			70		
	GROUND WATER NOT MEASURED HOLE CAVED IN			VERY SOFT, REDDISH BROWN, CLINKER, COMPLETELY WEATHERED (CRUSHES TO		
				SILTY CLAY) VERY SOFT, BROWNISH GRAY, BASALT, COMPLETELY WEATHERED (CRUSHES TO SILTY SAND & GRAVEL)	S K. WAY	STATE OF HAWAII
TRACED BY DESIGNED BY QUANTITIES BY CHECKED BY				END OF BORING @ 80.5' WATER LEVEL:	REGISTERED PROFESSIONAL ENGINEER No. 947-C	DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION BORING LOGS
NOTE BOOK				6-15-90 71.0'±	THIS WORK WAS PREPARED BY	NO. 54, 55, 56 INTERSTATE ROUTE H-3 F. A.I. PROJ. NO. I-H3-I (71)
					THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION ELLIPITY WATER ARE HAWAII GEOTECHNICAL GROUP, INC.	DATE: APRIL 1991 SHEET NO.GT21 OF 26 SHEETS
						76



•	92							
	C) OIL VION	No. 60: 05-11	T.) A FOOT A FOOT	No. 61: 05-12		No. 62: OS-	FEI DI	D. ROAD STATE FED. AID FISCAL SHEET TOTAL SHEETS
	TH (F) BOL FIED S	SWO M	TH (F) SOL SIFICA SWS PER	**************************************	HH (FT.) 30L ED SOL SIFICATIONS PER		-	IAWAII HAW. I - H3 - I (71) 1991 38 618
	O DEPTH SYMBO UNIFIEC CLASSIF SPT	DESCRIPTION ELEV. = 854.04 FT.	DESCI DESCI DESCI DESCI		SYMI UNIF CLASS SPT SPT	DESCRIPTION LEV. = 880.0 FT.		
		VERY SOFT, REDDISH BROWN W GRAY, CLINKER, COMPLETELY WEATHERED	(MH) 7 MEDIUM STIFF, BRO		6			
	5 (4)	COMPLETELY WEATHERED (CRUSHES TO SILTY CLAY) (SAPROLITE) VERY SOFT, MOTTLED BROWN &	5 SILTY CLAY (COLLUVIUM)		MH- BI	IEDIUM STIFF, MOTTLED ROWN, SILTY CLAY W) RACES OF GRAVEL OLLUVIUM)		
		VERY SOFT, MOTTLED BROWN & GRAY, VESICULAR BASALT, COMPLETELY WEATHERED (CRUSHES TO CLAYEY SILT) (SAPROLITE)	MH) STIFE MOTTED BE			30 E E O V 1 O 1 V 1)		
		SOFT, BROWN W SOME BLACK & RED, VESICULAR BASALT, HIGHLY TO MODERATELY	STIFF, MOTTLED BE SANDY CLAY WY GRA (RESIDUAL SOIL)	OWN, VEL	M BF	MEDIUM DENSE, MOTTLED ROWN & GRAY, SILTY AND & GRAVEL WI OBBLES & BOULDER DECOMPOSED BASALT)		
	15 ~~ 15	WEATHERED (SAPROLITE) VERY SOFT, REDDISH BROWN	VERY SOFT, REDDISH EGRAY, CLINKER COMPLETELY WEATHE (CRUSHES TO SANDY (SAPROLITE)	BROWN	15 GM) 27 CC	OBBLES & BOULDER DECOMPOSED BASALT) COLLUVIUM)		
		EGRAY, CLINKER, COMPLETELY WEATHERED (CRUSHES TO SANDY SILT OR CLAY)			H4 B2	ARD & SOFT, GRAY & BROWN, ASALT		
		VERY SOFT GRAVISH BROWN	SOFT, BROWN W/B VESICULAR BASAL	ACK,		OULDERS? OR ROCK ORMATION)		
	25 29	WIBLACK, YESICULAR BASALT, HIGHLY TO COMPLETELY WEATHERED (CRUSHES TO CLAYEY SILT WI GRAVEL) (SAPROLITE)	SOFT, BROWN W/B VESICULAR BASAL HIGHLY WEATHERE (CRUSHES TO SAND) CLAY WITH GRAYEL (SAPROLITE)	SILT/	25 BI	ERY SOFT, MOTTLED ROWN W/ WHITE, BASALT, OMPLETELY WEATHERED RUSHES TO CLAYEY SILT)		
·		GRAVEL) (SAPROLITE)				SAPROLITE)		
	30	SOFT, BROWN W ORANGE & BLACK, VESICULAR BASALT, HIGHLY TO	VERY SOFT, REDDISH GRAY, CLINKER, COMPLETELY WEATH (CRUSHES TO SANDY (SAPROLITE)	ERED Clay)	30 2 2 9 VE	ERY SOFT, GRAY W BROWN,		
	35	BASALT, HIGHLY TO MODERATELY WEATHERED (SAPROLITE)	35 34		35 35 S	LINKER, COMPLETELY VEATHERED (CRUSHES D SANDY SILT) APROLITE)		
	10		VERY SOFT, MOTTLE BROWN W GRAY, B COMPLETELY WEATH (CRUSHES TO SAND) W GRAVEL)	SALT, ERED SILT				
		SOFT TO VERY SOFT, MOTTLED BROWN & GRAY, CLINKER, HIGHLY TO COMPLETELY	(SAPROLITE)		15 VE	ERY SOFT, MOTTLED BROWN J SOME WHITE, BASALT, OMPLETELY WEATHERED TRUSHES TO SILTY SAND) SAPROLITE)		
	45 % 20	SOFT TO VERY SOFT, MOTTLED BROWN & GRAY, CLINKER, HIGHLY TO COMPLETELY WEATHERED (CRUSHES TO CLAYEY SILT W/ SOME SAND & GRAVEL) (SAPROLITE)	45 23 VERY SOFT, REDDISH AND GRAY, CLINK	BROWN	45	RUSHES TO SILTY SAND) SAPROLITE)		
		(SAPROLITE)	COMPLETELY WEAT	HERED SAND	VE	FRY COFT BROWN & GRAY		
· .	50 22 22 22 22 22 22 22 22 22 22 22 22 22	VERY SOFT, REDDISH BROWN WIGRAY, CLINKER, HIGHLY WEATHERED (CRUSUES				ERY SOFT, BROWN & GRAY, LINKER, COMPLETELY JEATHERED (CRUSHES O SILTY SAND)		
	55 22 39	WGRAY, CLINKER, HIGHLY WEATHERED (CRUSHES TO SILTY SAND) (SAPROLITE)	55 END OF BORING		\sim \sim \sim \sim \sim \sim \sim \sim	ERY SOFT, MOTTLED BROWN ISOME WHITE, BASALT, DMPLETELY WEATHERED		
, ×			NOT MEASURED HOLE CAVED IN		G	OMPLETELY WEATHERED RUSHES TO SILTY SAND WY RAVEL) (SAPROLITE)		
	SO	SOFT TO VERY SOFT, BROWN ' W) GRAY, BASALT, HIGHLY TO COMPLETELY WEATHERED				ERY SOFT, MODERATELY ARD, BROWN & GRAY, ESICULAR BASALT, DMPLETELY TO HIGHLY		
	<u>65</u>	CRUSHES TO SANDY SILT WIGRAVEL) (SAPROLITE)			$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	AND & GRAVEL) (SAPROLITE)		
						ERY SOFT, REDDISH BROWN 7 SOME GRAY, CLINKER, DMPLETELY WEATHERED RUSHES TO SILTY CLAY		
	70 \(\hat{z}\)\(z	SOFT, REDDISH BROWN & GRAY, CLINKER WI BASALT, HIGHLY WEATHERED (CRUSHES TO SILTY SAND & GRAVEL)			-2\\(\$A	SILTY SAND) APROLITE)		
	75	(SAPROLITE) SOFT, GRAY, VESICULAR BASALT, HIGHLY WEATHERED (CIRUSHES TO SILTY SAND			75	OFT TO MODERATELY HARD, RAY, VESICULAR BASALT, ODERATELY WEATHERED (AA)		
		SAPROLITE)			w.	ND OF BORING @ 70.7' ATER LEVEL:		
A BY D BY ED BY TIES BY 3D BY	80 K	SOFT, REDDISH BROWN & GRAY, CLINKER, HIGHLY WEATHERED, WELL-CEMENTED				- 5 - 90 54,5'±	REGISTERED PROFESSIONAL PRO	STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
DRAWN BY	85	SOFT TO MODERATELY HARD, BROWN & GRAY, VESICULAR BASALT, CLOSELY FRACTURED, MODERATELY TO SLIGHTLY WEATHERED (AA)					ENGINEER No. 947-C	<u>BORING LOGS</u> <u>NO. 60, 61, 62</u>
OTE BOOK							WAII, U.	INTERSTATE ROUTE H-3
Ζž	<u>36</u> ≋≋	VERY SOFT, REDDISH BROWN & GRAY, CLINKER, HIGHLY WEATHERED					THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION Edward Walands	F. A. I. PROJ. NO. I-H3-I (71)
		END OF BORING @ 90' GROUND WATER NOT MEASURED. HOLE CAVED IN					HAWAII GEOTECHNICAL GROUP, INC.	SHEET NO.GT23 OF 26 SHEETS
					t .			38

