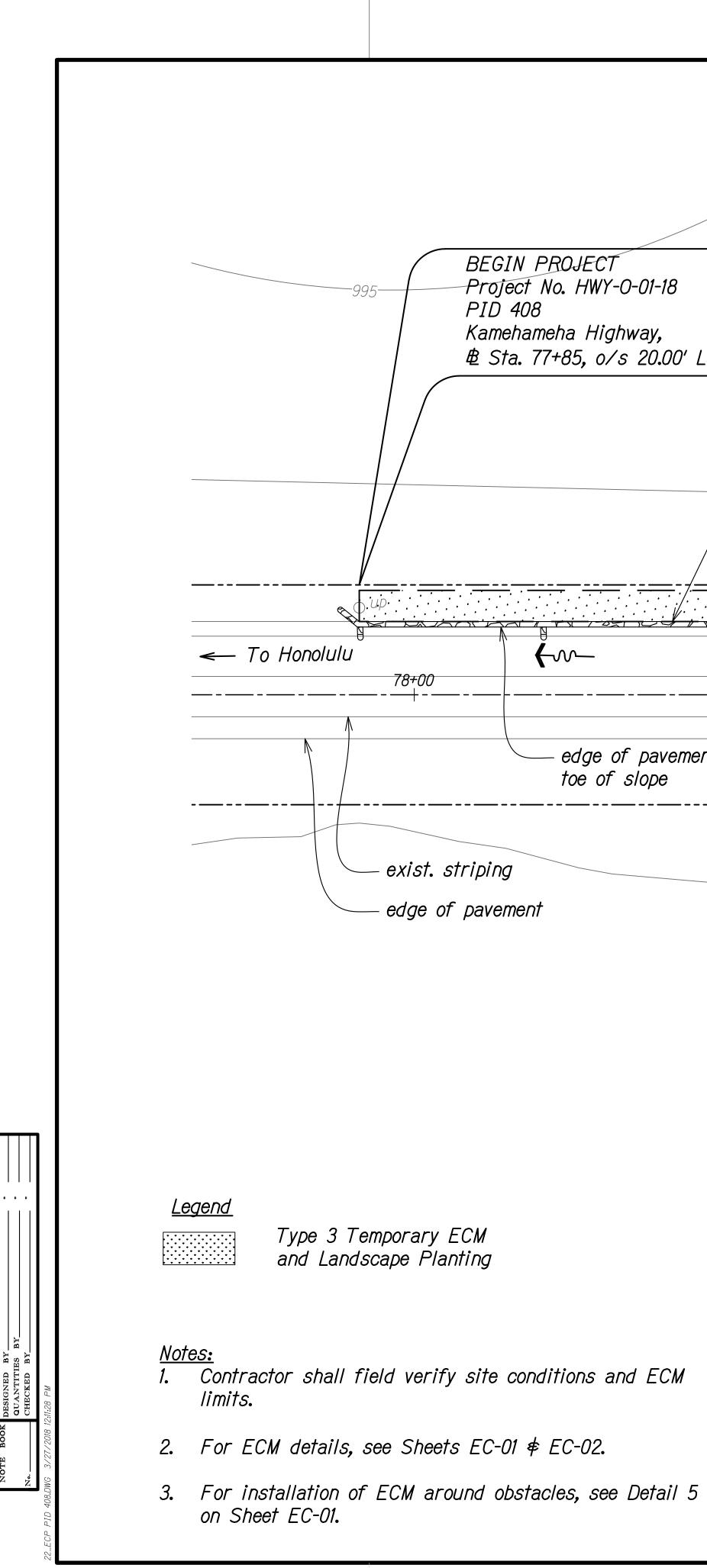
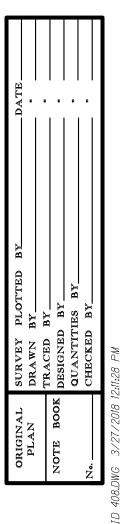
ATTACHMENT A-5

Topography and Drainage Patterns (Item C.8 of Form C) (This page intentionally left blank.)

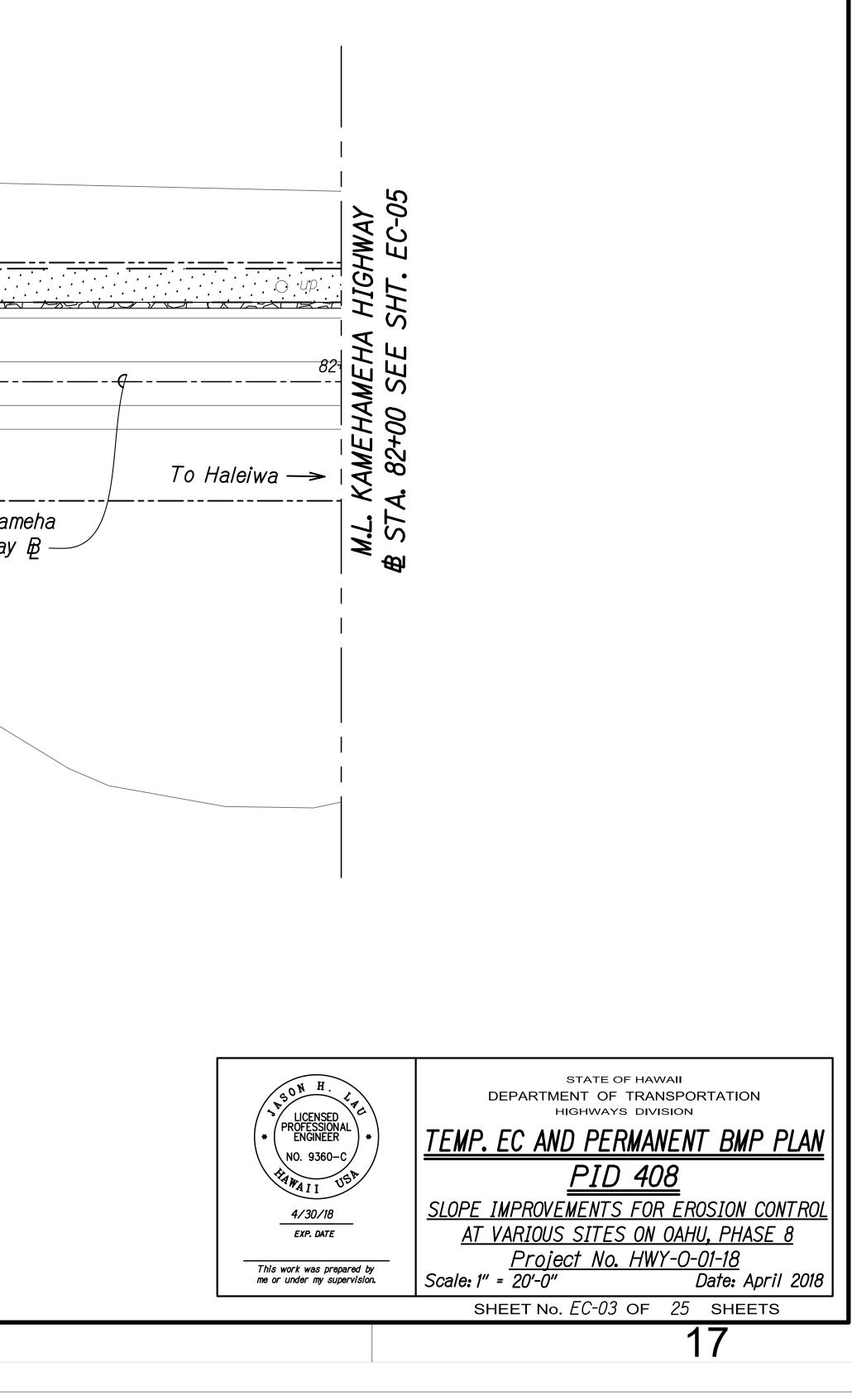


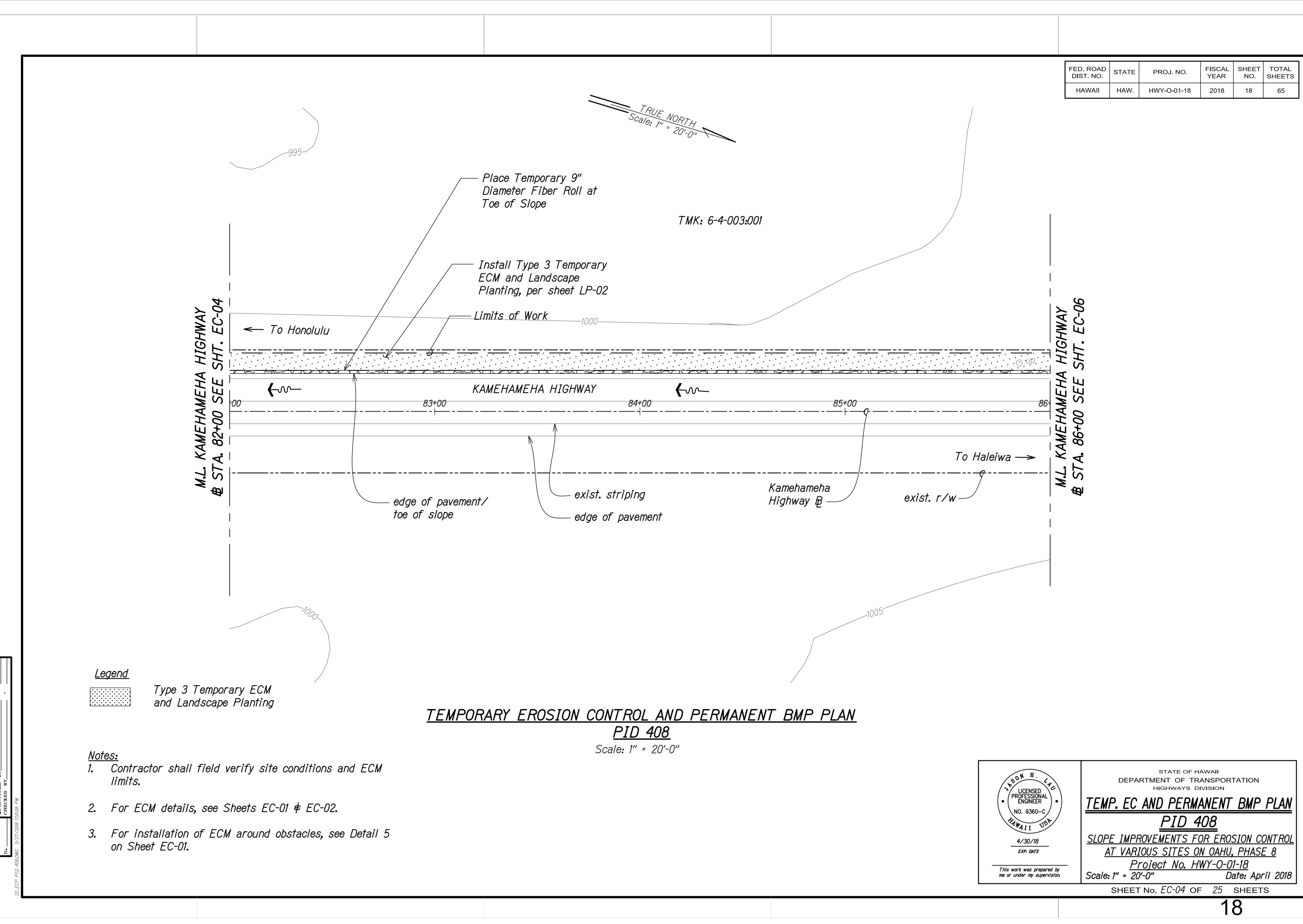


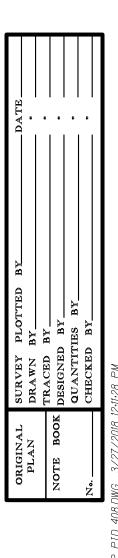
	TRUE NORTH Scale: 1" = 20'-0"	
18	Place Temporary 9" Diameter Fiber Roll at Toe of Slope	
00' Lt.		TMK: 6-4-003:001
	—— Install Type 3 Temporary ECM and Landscape Planting, per sheet LP-02	
	— Limits of Work	1000
	KAMEHAMEHA HIGHWAY	
	80+00	
/ement/ e	Place 4 Temporary Check Dams @ 50' o.c.	
1000	exist. r/w	Kameham Highway

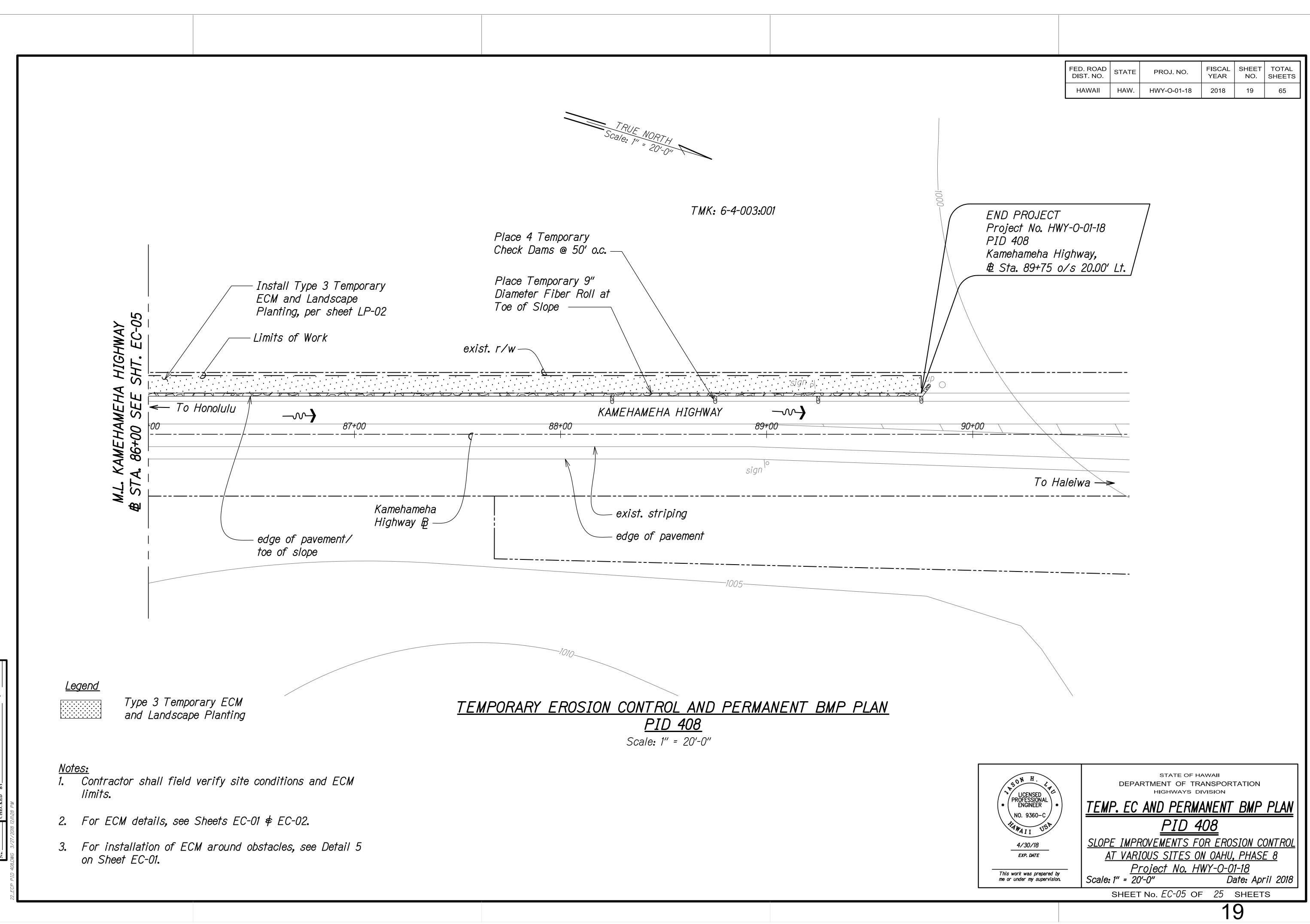
TEMPORARY EROSION CONTROL AND PERMANENT BMP PLAN <u>PID 408</u> Scale: 1" = 20'-0"

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-01-18	2018	17	65

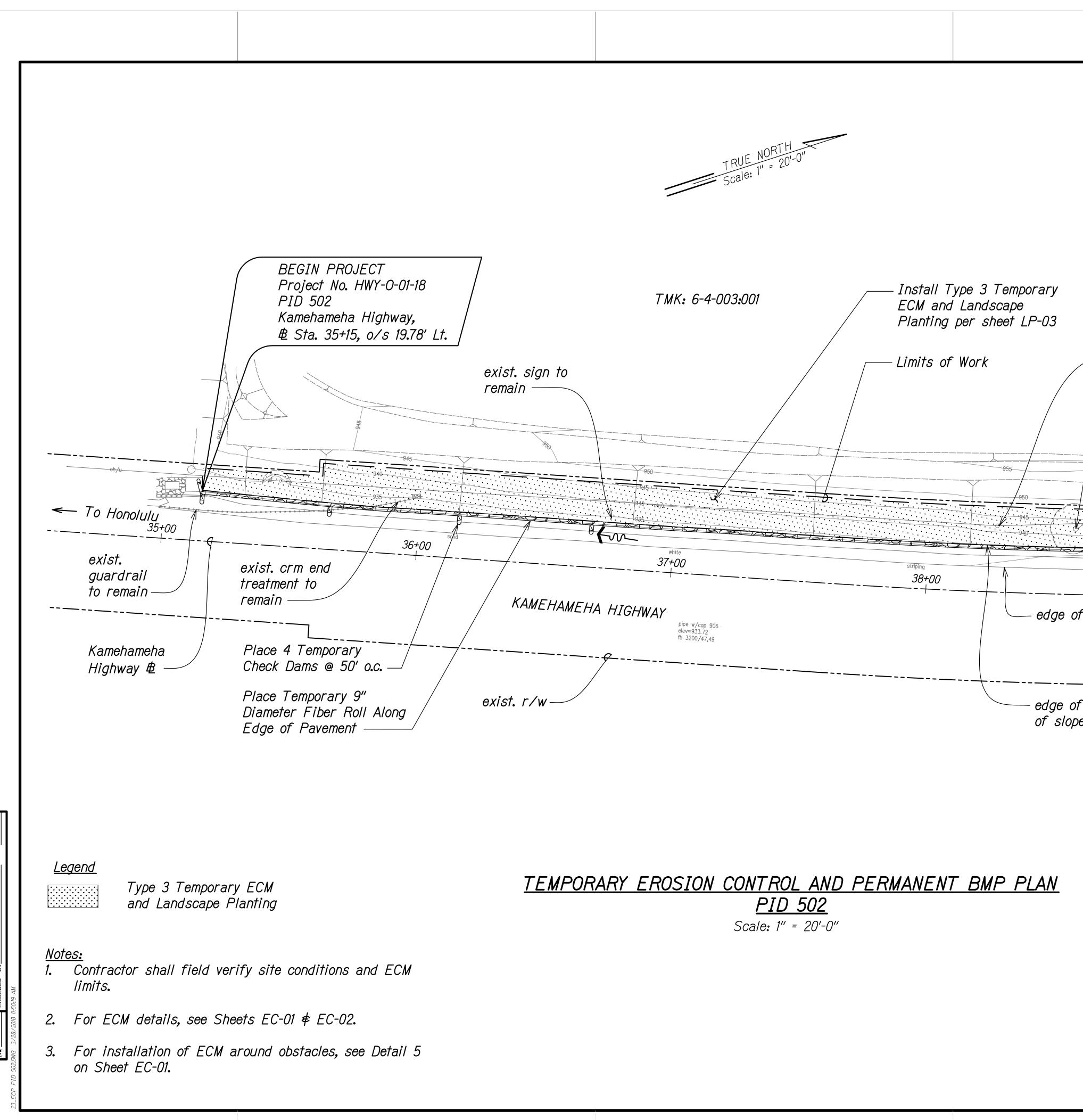






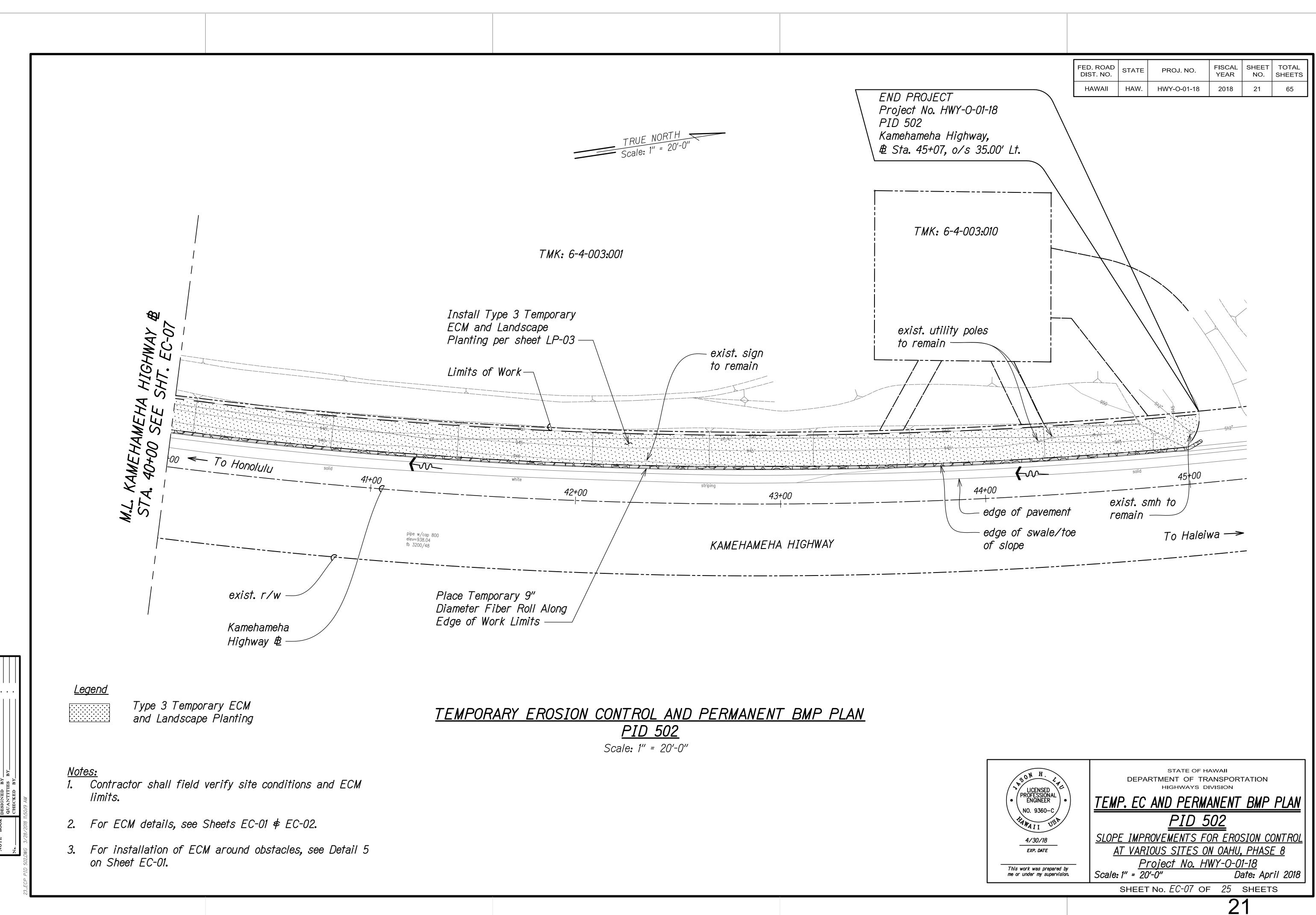


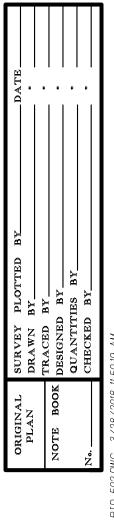


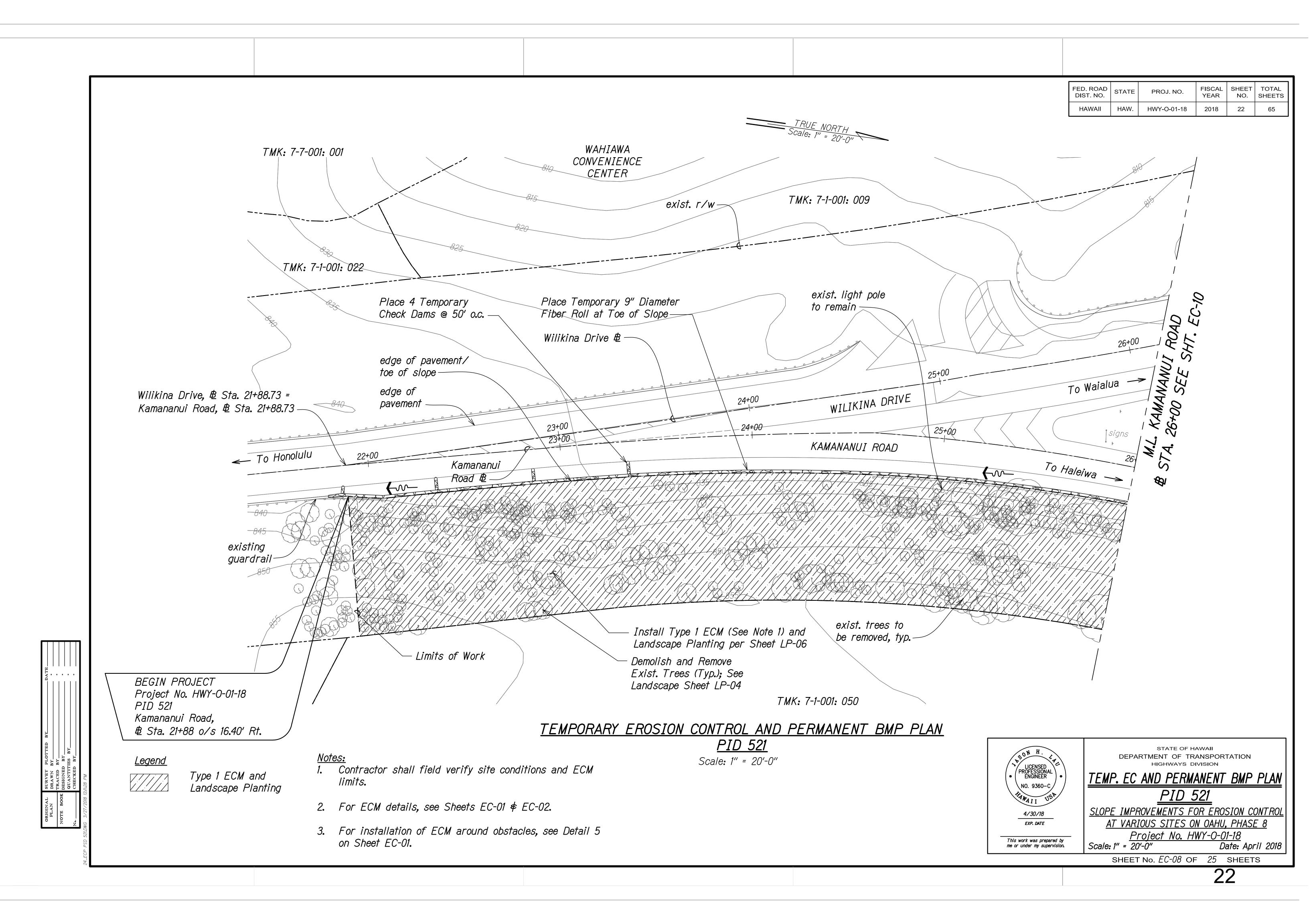


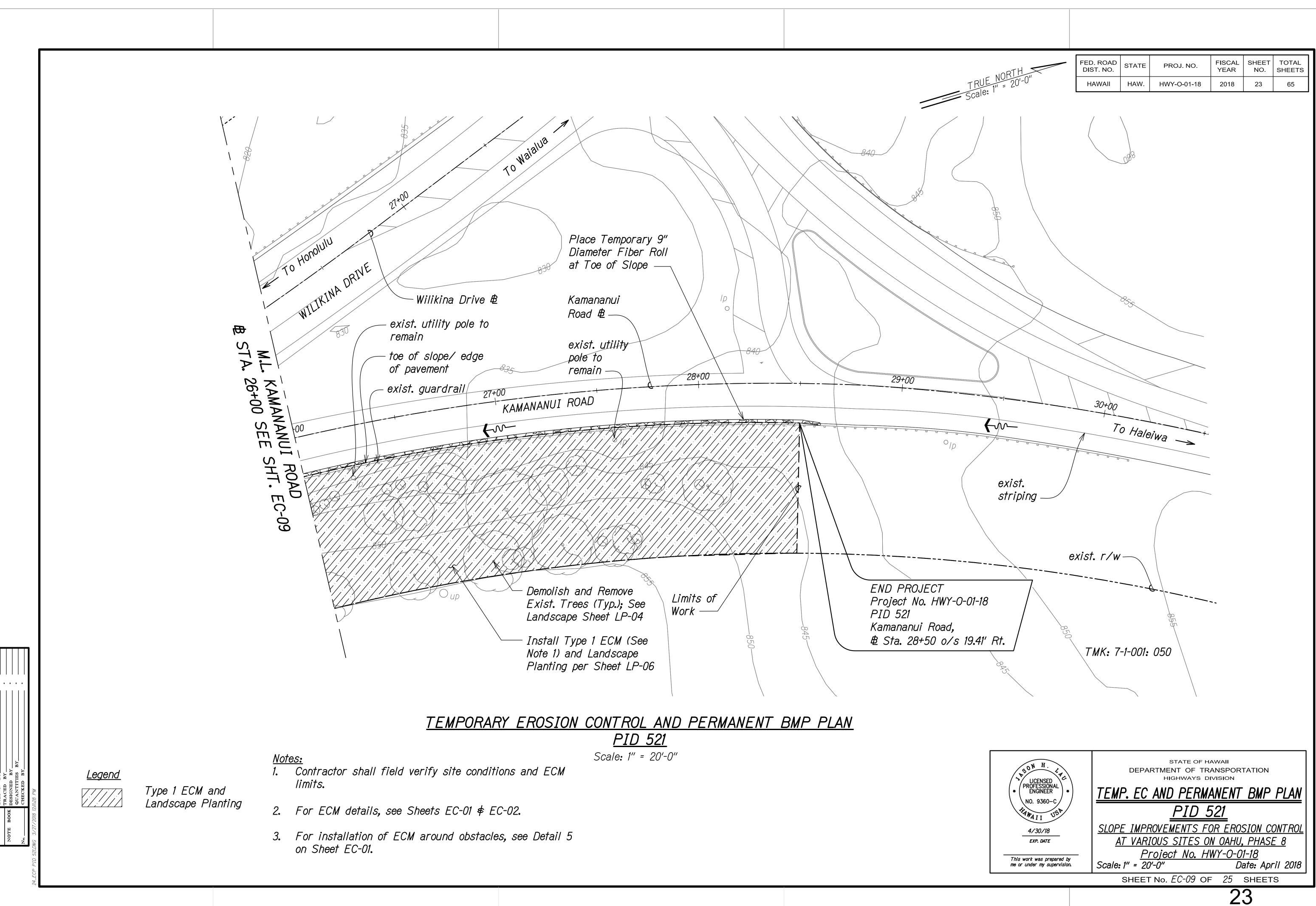


	FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	HAWAII	HAW.	HWY-O-01-18	2018	20	65
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exist. utility pole						
to remain			I			
Demolish and Remove			~			
Exist. Tree; See			ST			
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De						
	<		STATE OF H	AWAII		
NSON H	LA .	DEPA	RTMENT OF TR	ANSPOR	TATION	
LICENSI PROFESSIO ENGINEI NO. 9360		P <u>. EC</u>	AND PERM	ANENT	BMP	PLAN
	USA		<u>PID 5</u>			
4/30/10 EXP. DAT	8 <u>SLOP</u>		OVEMENTS FO			
	prepared by	<u>Pr</u>	<u>OUS SITES O</u> Toject No. H	<u> WY-O-O</u>	<u>1-18</u>	
me or under my	supervision. Scale:	1" = 20	΄-Ο΄΄ Νο. <i>ΕC-06</i> ΟΓ	D	ate: Api	ril 2018
		SHEEL	1NU. LU-UU UF	20		J
				2	U	

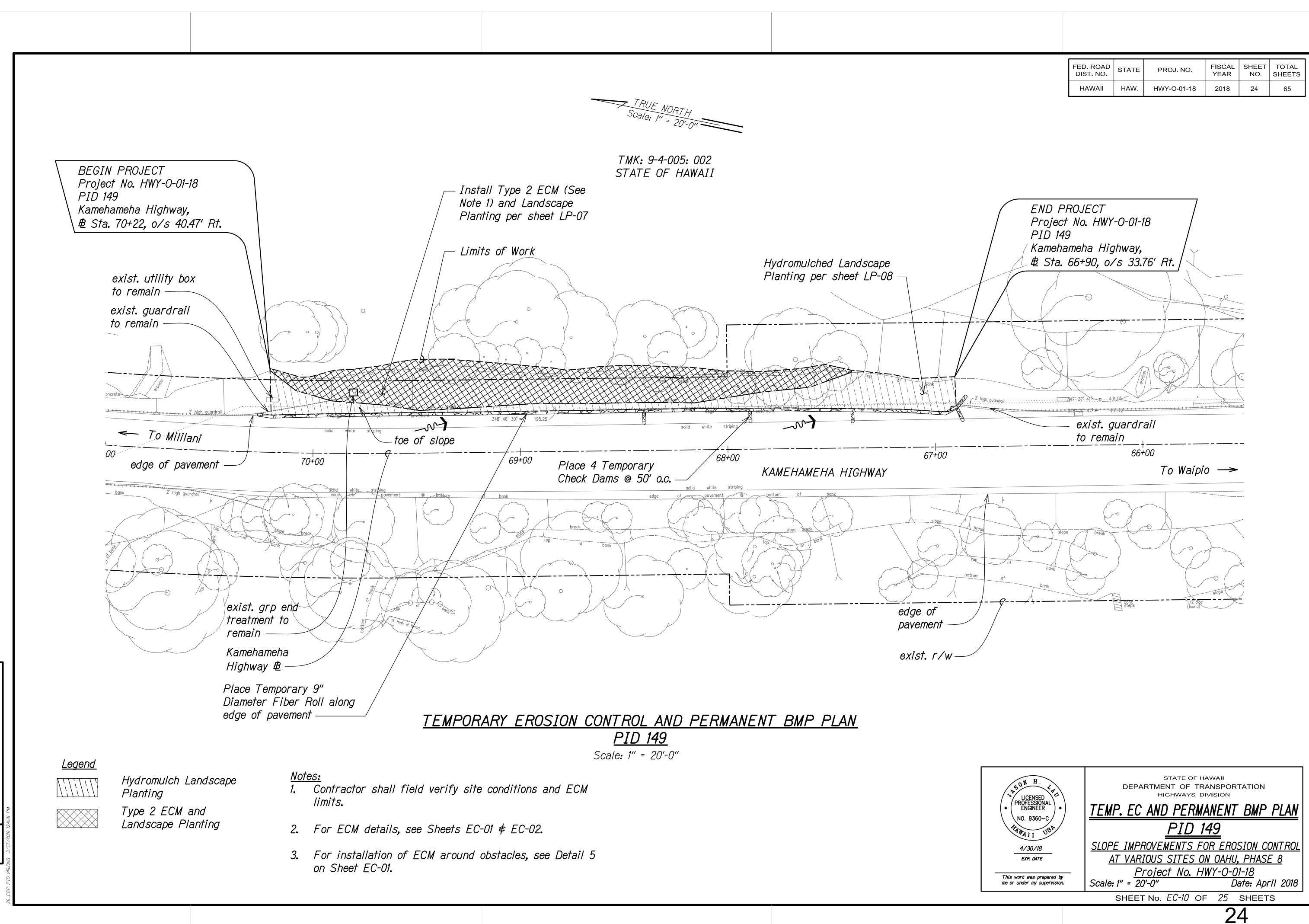


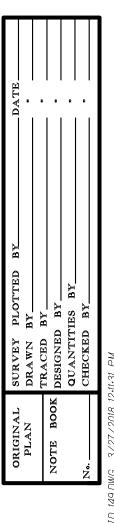




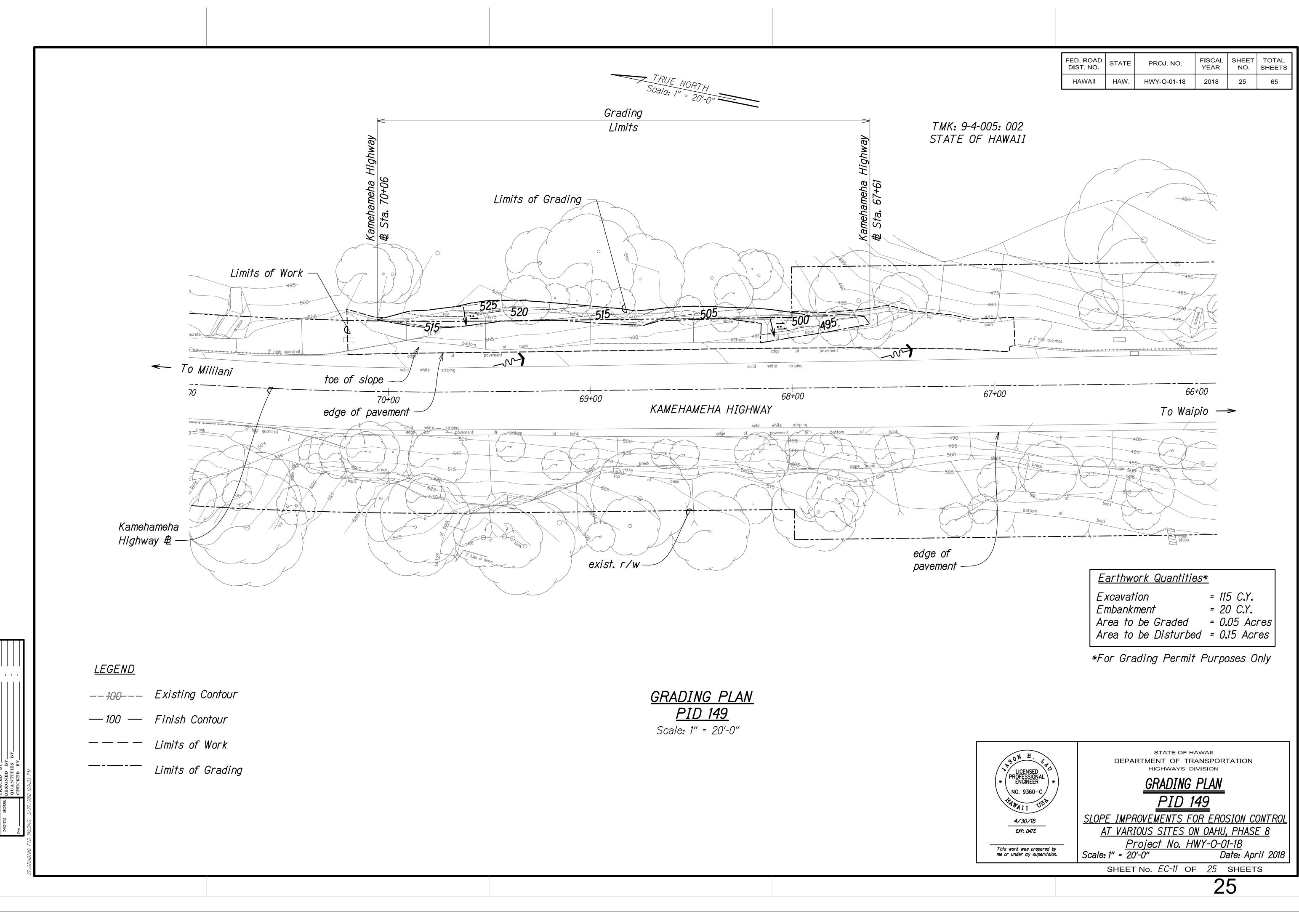


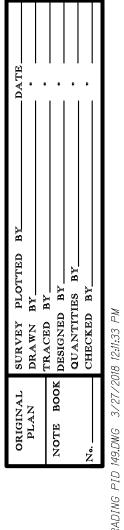
5 • • • • • PLO BY____ BY___ D___BY___ CIES SURVEY DRAWN TRACED DESIGNED QUANTIT ORIGINA PLAN VOTE BO

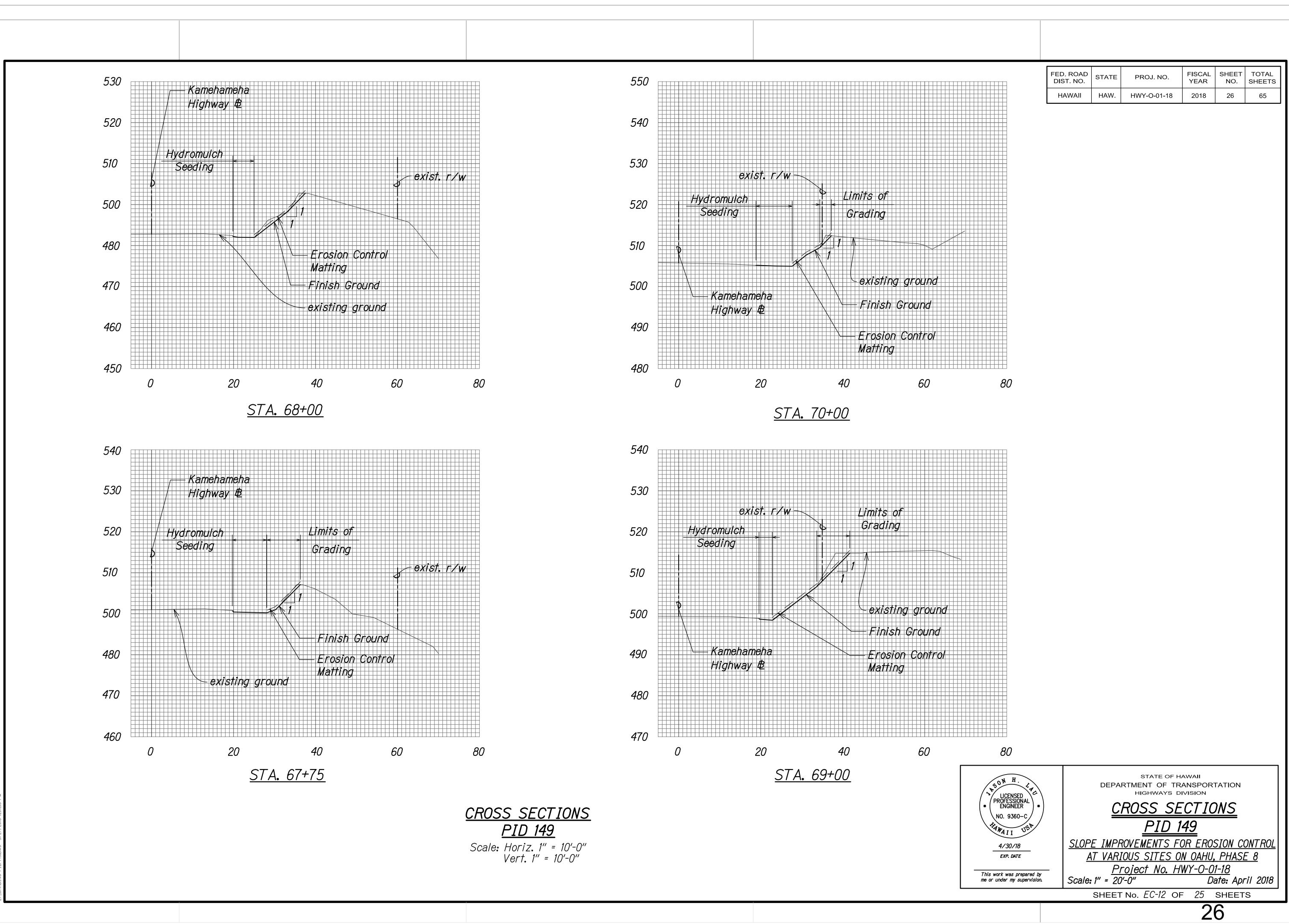




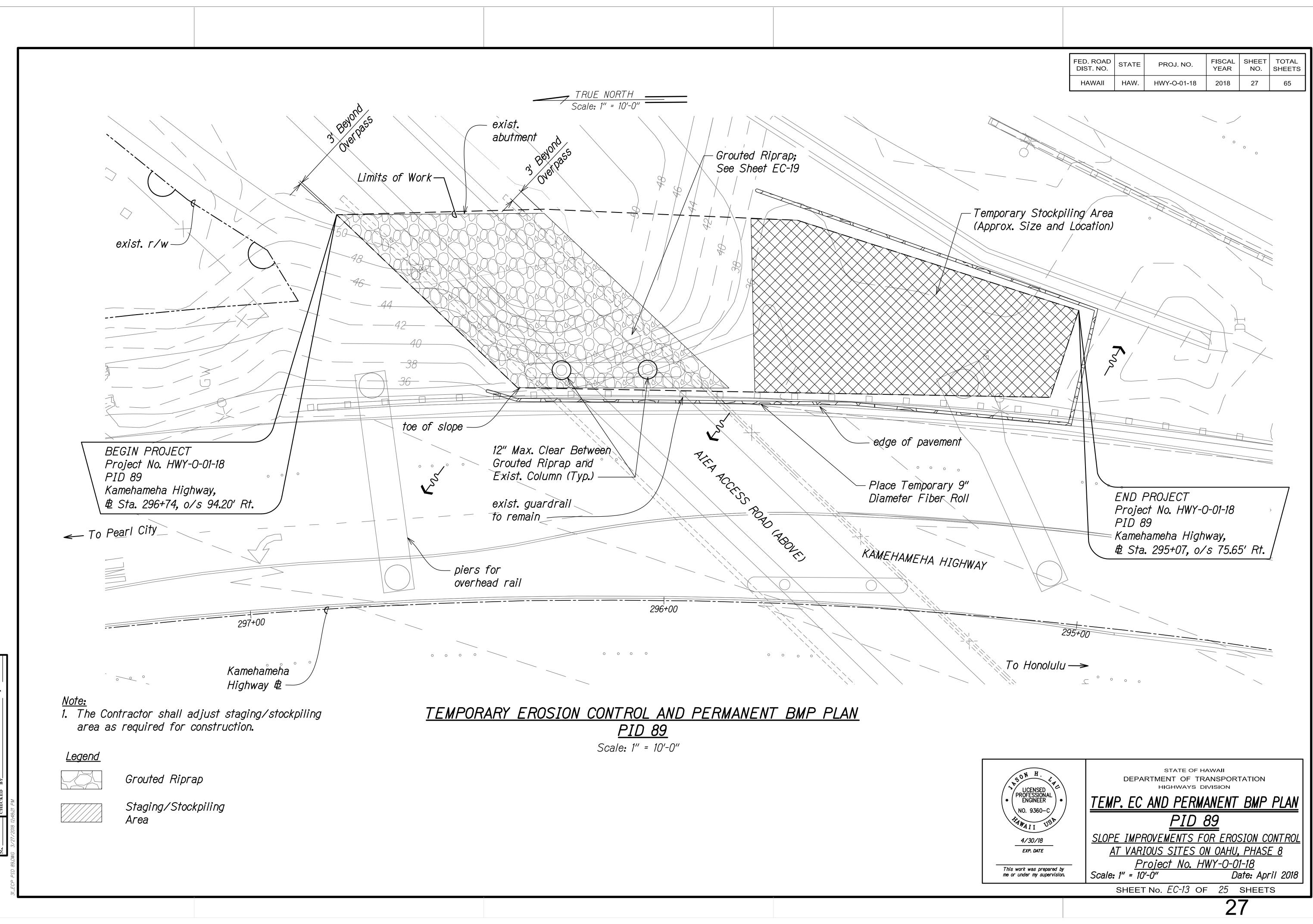
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-01-18	2018	24	65

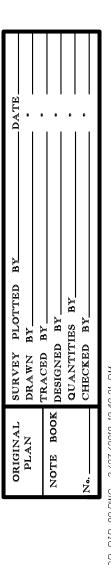


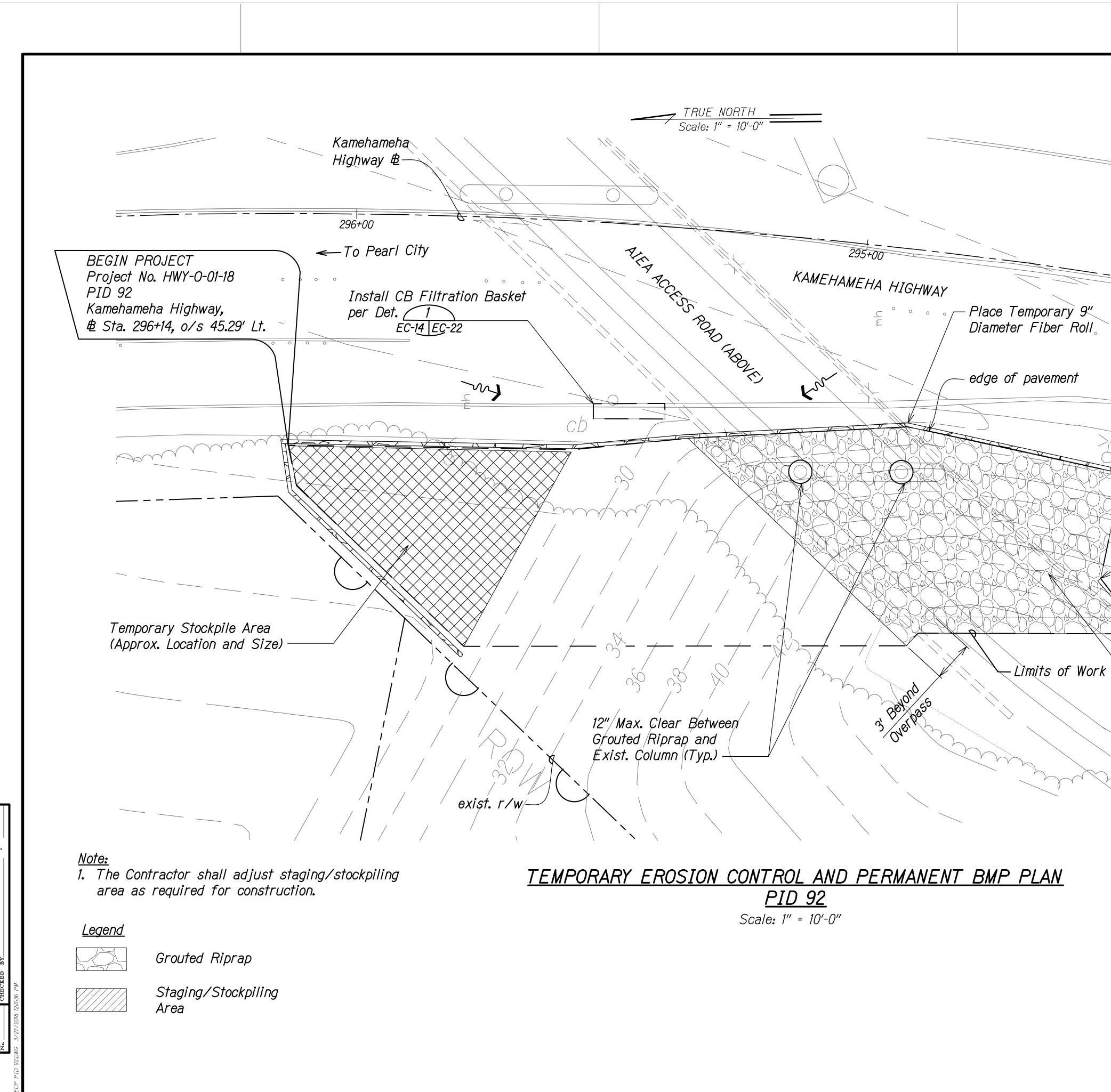




ORIGINAL	SURVEY	SURVEY PLOTTED BY	BY DATE	
PLAN	DRAWN BY_	BY	E	
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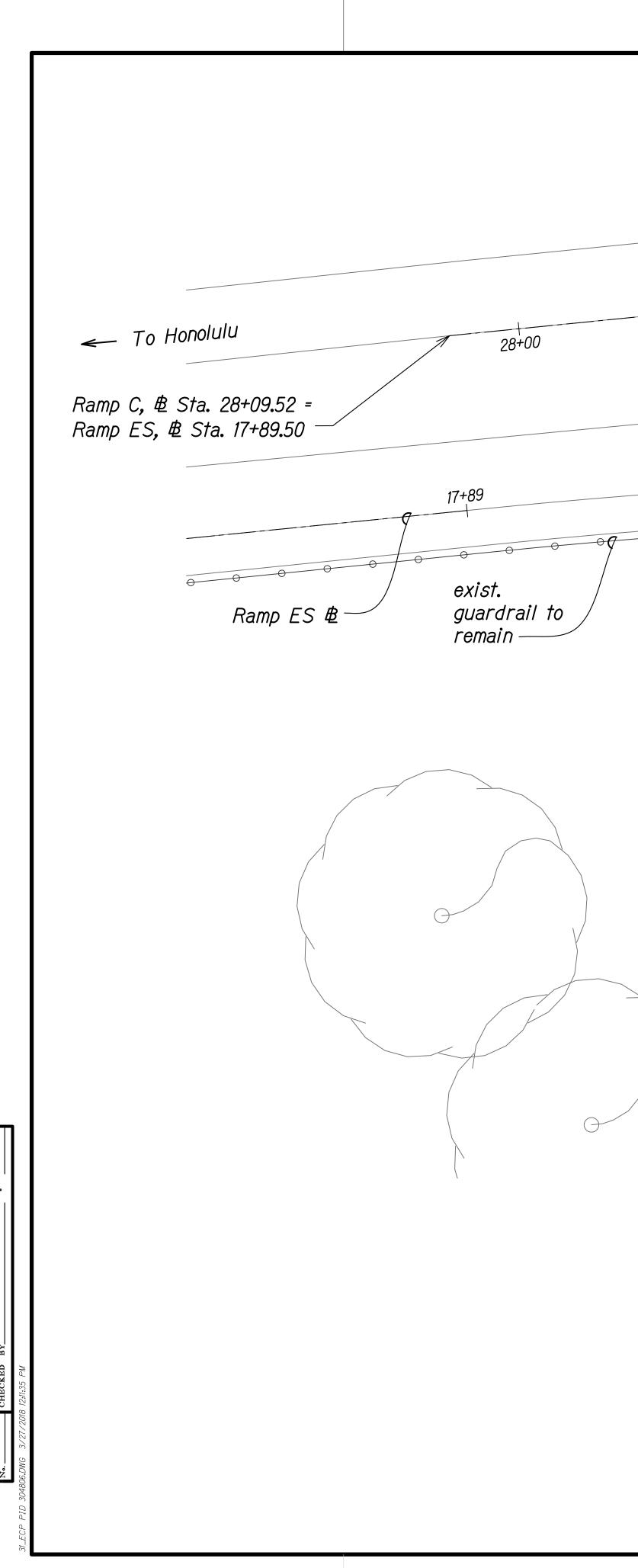


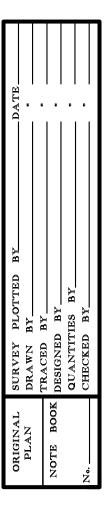




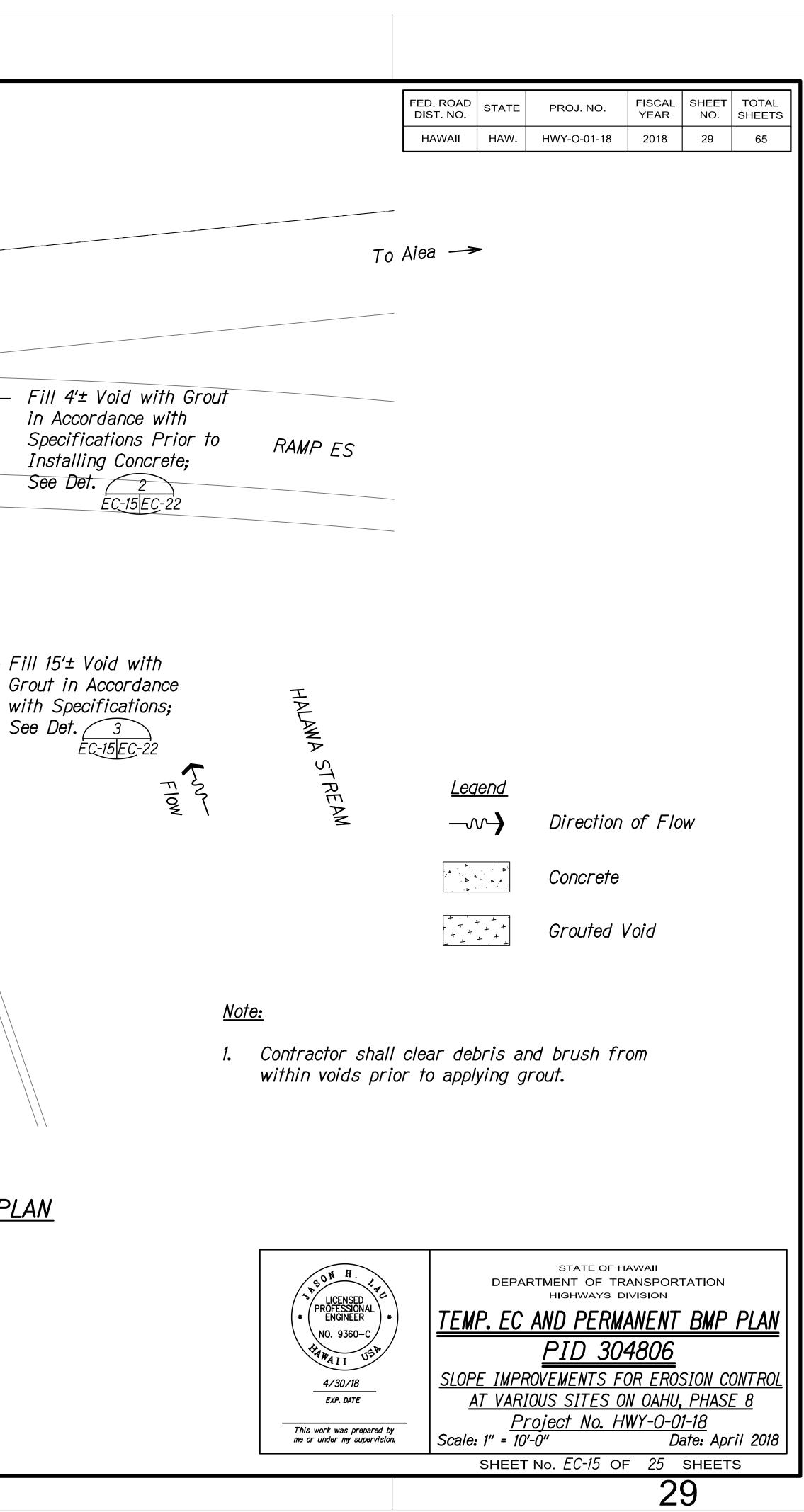
€ $\overline{1}$ | | | | | |PLO' BY___ BY__ D BY_ TIES O BY_ SURVEY DRAWN TRACED DESIGNED QUANTIT CHECKED ORIGINA PLAN IOTE BO

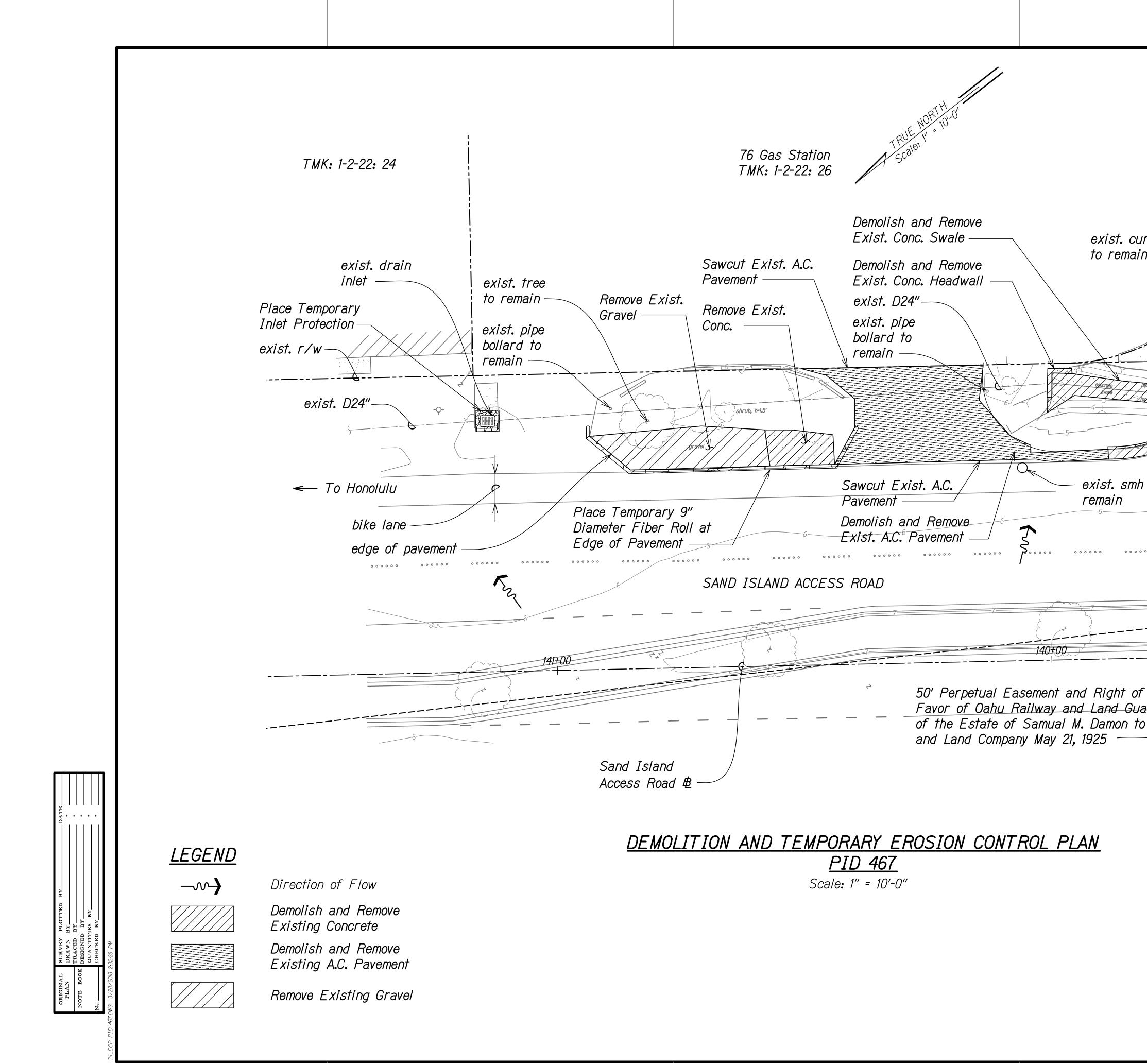
FED. ROAD DIST. NO. STATE FISCAL SHEET TOTAL YEAR NO. SHEETS PROJ. NO. SHEETS HWY-O-01-18 2018 28 HAW. HAWAII 65 с о \bigcirc END PROJECT Project No. HWY-O-01-18 PID 92 Kamehameha Highway, ₿ Sta. 294+44, o/s 37.98' Lt. 294+00 To Honolulu --> Kamehameha Highway, ₿ Sta. 294+44, o/s 58.87' Lt. Kamehameha Highway, 38 ₿ Sta. 294+35, o/s 67,70' Lt. \mathcal{A} AJ. exist. abutment Grouted Riprap; See Sheet EC-20 STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION LICENSED PROFESSIONAL ENGINEER TEMP. EC AND PERMANENT BMP PLAN **∖NO. 9360-C** <u>PID 92</u> AWAII SLOPE IMPROVEMENTS FOR EROSION CONTROL 4/30/18 EXP. DATE AT VARIOUS SITES ON OAHU, PHASE 8 <u>Project No. HWY-O-01-18</u> This work was prepared by me or under my supervision. Scale: 1" = 10'-0" Date: April 2018 SHEET No. EC-14 OF 25 SHEETS 28



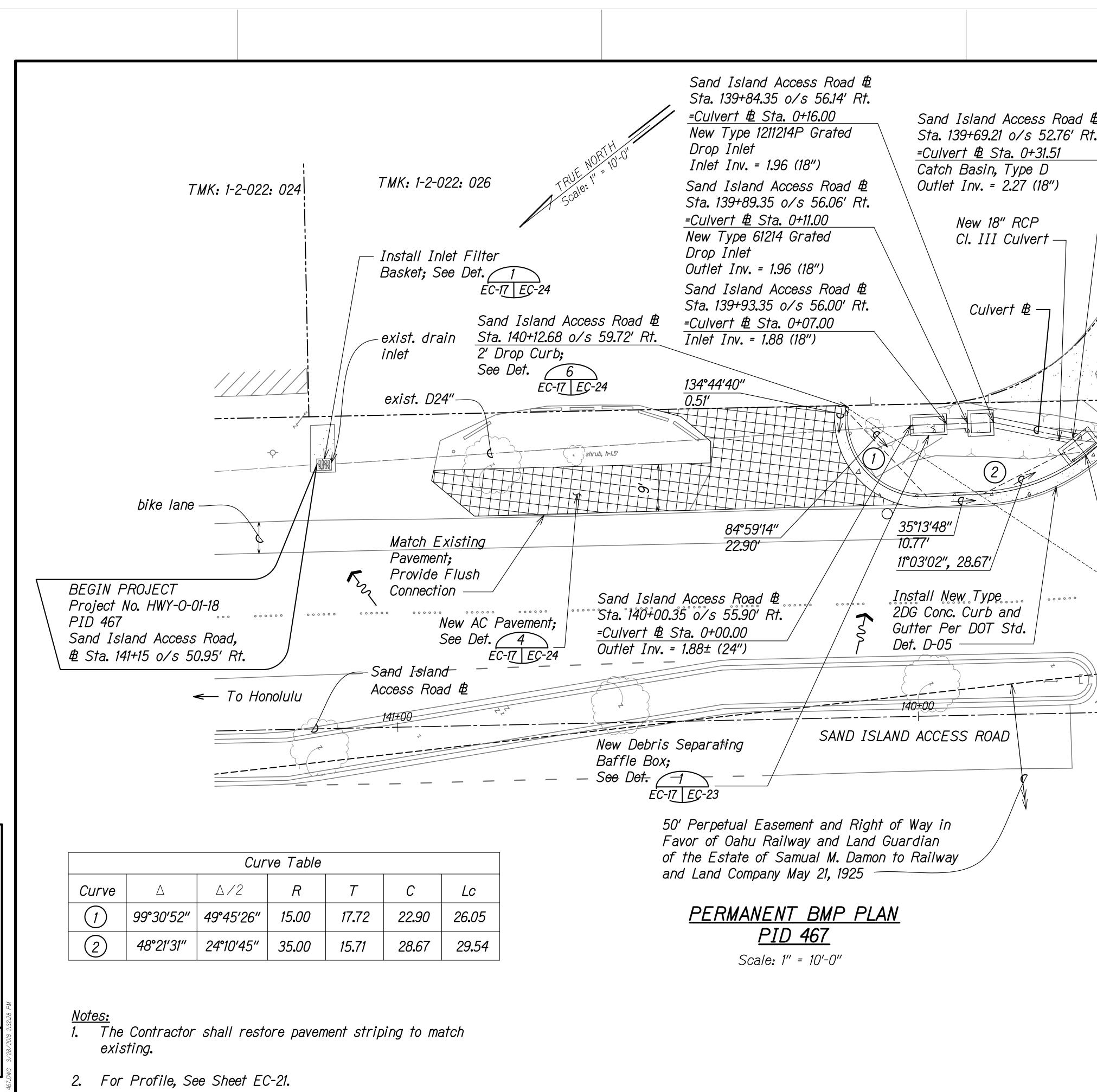


TRUE NORTH Scale: 1" = 10'-0" 27+00 RAMP C Ramp C 🕏 2' exist. riprap to remain. exist. a.c. outfall to remain m BEGIN PROJECT Project No. HWY-O-01-18 PID 304806 Ramp C, ₿ Sta. 27+00, o/s 39.3'± Lt. END PROJECT Project No. HWY-0-01-18 PID 304806 Ramp C, m ₿ Sta. 26+92, o/s 72.8'± Lt. exist. conc. channel wall to remain -G TEMPORARY EROSION CONTROL AND PERMANENT BMP PLAN <u>PID 304806</u> Scale: 1" = 10'-0"



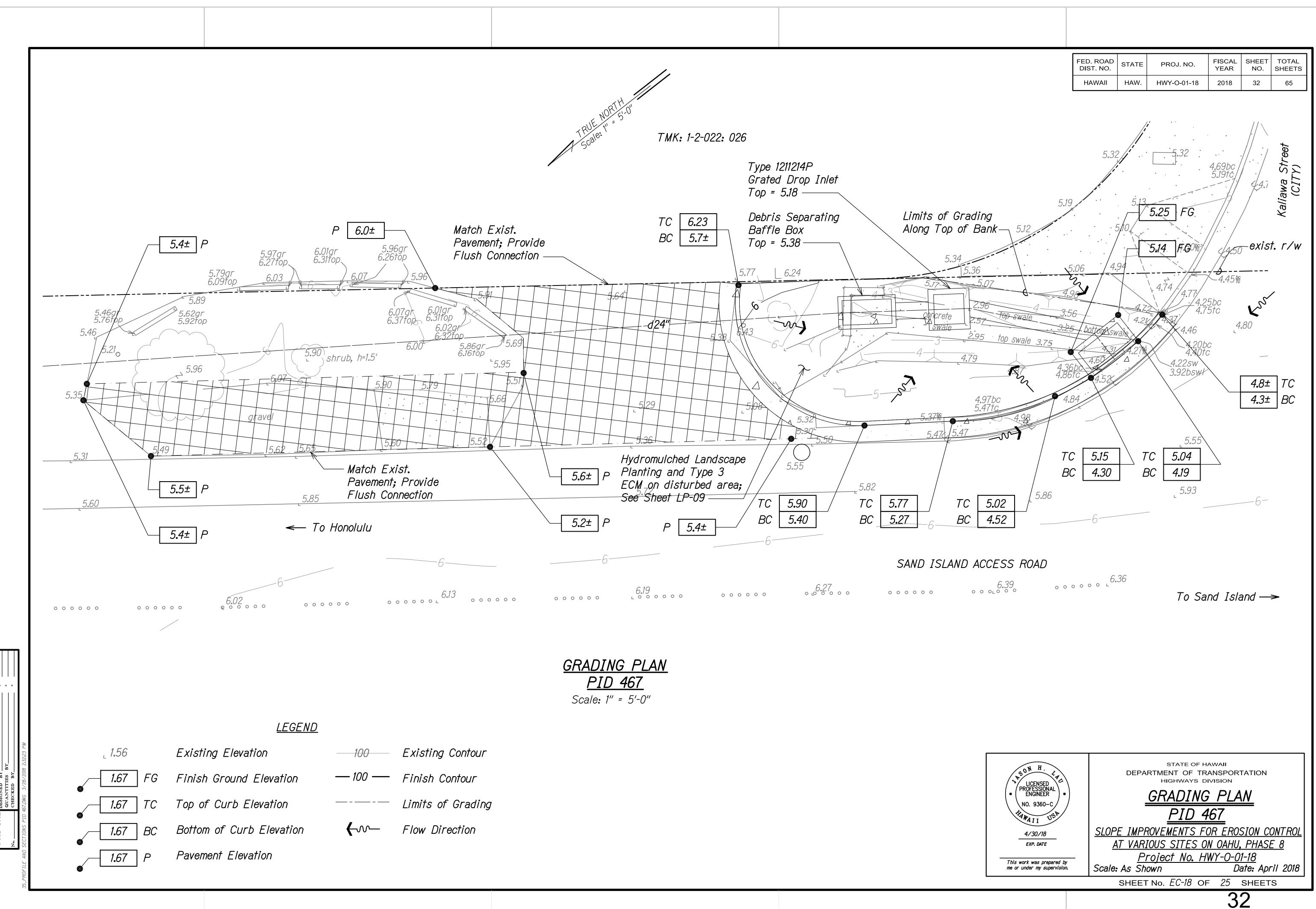


		FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
		HAWAII	HAW.	HWY-O-01-18	2018	30	65
b ramp	Left Sawcut C and Gutte Demolish Exist. Con and Gutte	and Remo nc. Curb) 	State City			
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	\sim						
Way in Ardian Railway	To Sand	Island —	>				
	H. H. H. H. H. H. H. H. H. H.	<u></u> <u>SLOP</u>	D <mark>EMOLI</mark> De Impr	STATE OF H RTMENT OF TR HIGHWAYS D TION AND PID 4 ROVEMENTS F	ANSPOR IVISION TEMP. 467 OR EROS	<u>EC P</u>	ONT ROL
	EXP. DATE This work was prepared by me or under my supervision.	_		<u>'OUS SITES O</u> roject No. H '-0''	<u>WY-O-0</u>	<u>1-18</u>	<u>E 8</u> ril 2018
				No. <i>EC-16</i> OF		SHEET	
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				1		
	FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
ф	HAWAII	HAW.	HWY-O-01-18	2018	31	65
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	274°20'07 (Tie: Ben	•	k to End of	.		
			b and Gutte			
\ To Sand Is			<u>BENCHM</u> ST. MON		ER)	
			Elev. =			
\	nd of					
New Conc. Curb and						
Sand Island Access						
\ Sta. 139+66.81 o∕s 49. \=Culvert ฿ Sta. 35.51	.56° AT.					
Install Catch Basin,						
Per DOT Std. Det. H-	-01D					
SON H.			STATE OF H RTMENT OF TR			
			HIGHWAYS D	IVISION		
(* ([*] ENGINEER NO. 9360-C		PERN	<u>IANENT</u>	<u>BMP</u>	PLA	<u>//</u>
HAWAII USP				<u>467</u>		
4/30/18			OVEMENTS F			
EXP. DATE	_		<u>OUS SITES O</u> Toject No. H	-		
This work was prepared by me or under my supervision.		1'' = 10'	2-0"	Da	ate: Apr	ril 2018
		SHEET	No. <i>EC-1</i> 7 OI	- 25	SHEET	S
				3	I	



ATF. ORIGINAL SURVEY PLOTTED P PLAN DRAWN BY TRACED BY NOTE BOOK DESIGNED BY QUANTITIES BY CHECKED BY

GRADING PLAN
<u>PID 467</u>
Scale: 1" = 5'-0"