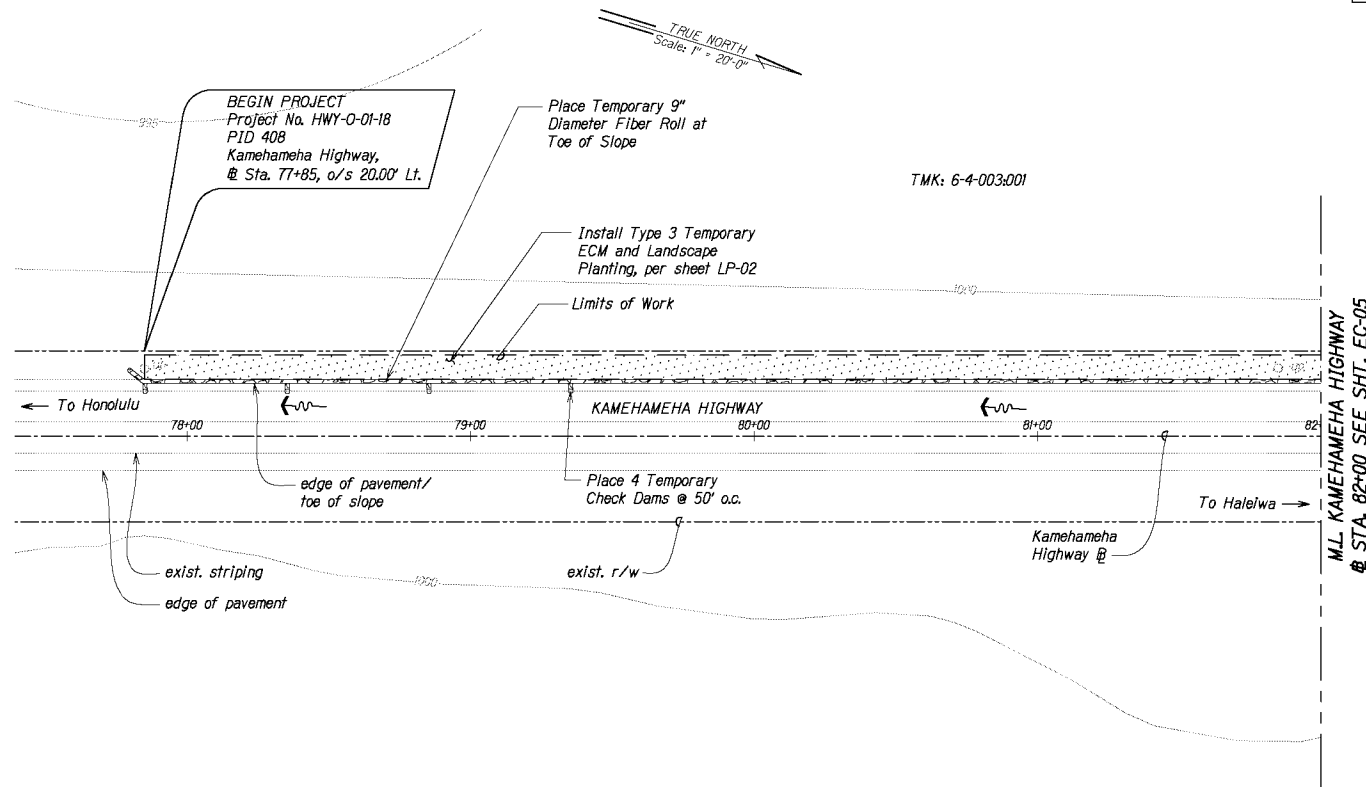


ATTACHMENT A-3

Site-Specific Best Management Plan and Drainage Maps *(Section 7.2.6.1, 7.2.6.2, and 7.2.6.8 of SWPPP)*

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



Legend

Type 3 Temporary ECM and Landscape Planting

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

- Notes:**
- Contractor shall field verify site conditions and ECM limits.
 - For ECM details, see Sheets EC-01 & EC-02.
 - For installation of ECM around obstacles, see Detail 5 on Sheet EC-01.

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
IN CHARGE	
PROJECT NO.	
PROJECT NAME	
PROJECT LOCATION	
PROJECT DATE	

4/30/18
EXPI. DATE

This work was prepared by me or under my supervision.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

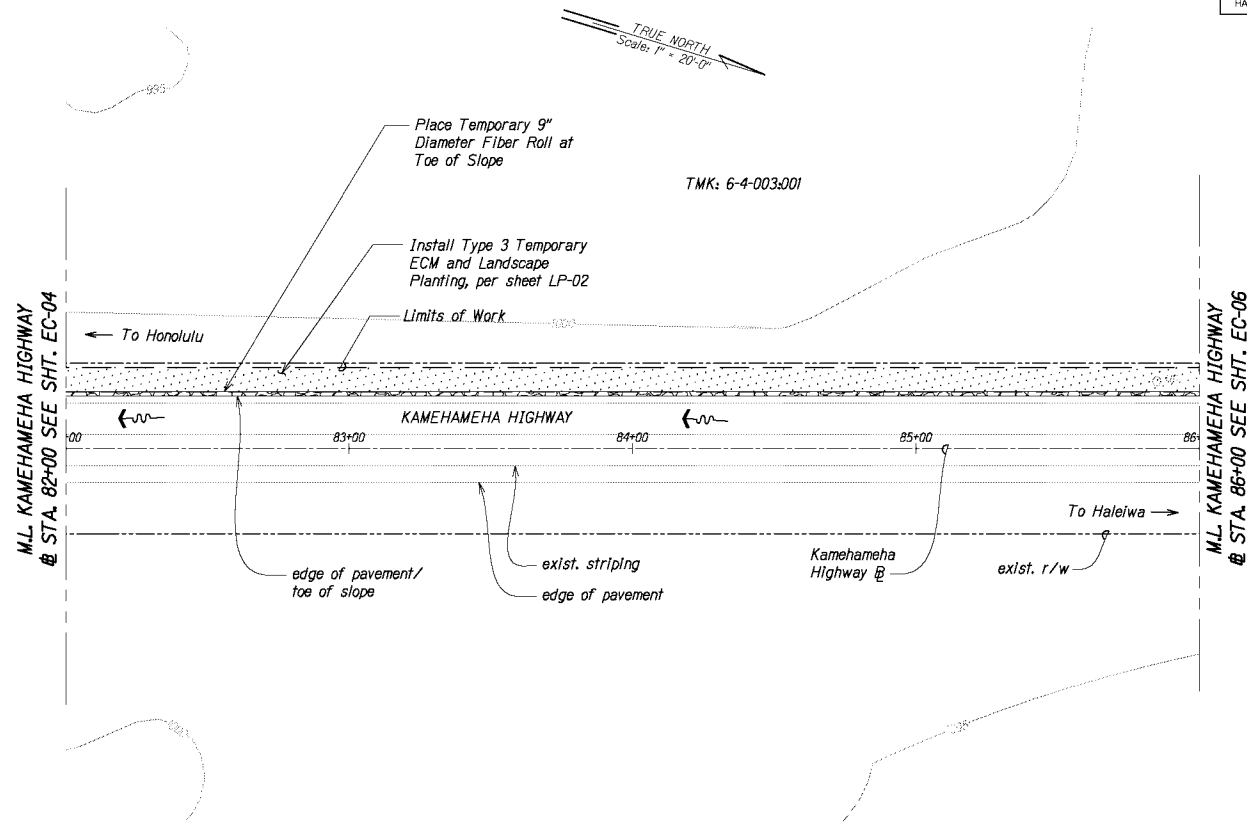
TEMP. EC AND PERMANENT BMP PLAN
PID 408

SLOPE IMPROVEMENTS FOR EROSION CONTROL
AT VARIOUS SITES ON OAHU, PHASE 8

Project No. HWY-O-01-18
Scale: 1" = 20'-0" Date: April 2018

SHEET No. EC-03 OF 25 SHEETS

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



Legend

Type 3 Temporary ECM and Landscape Planting

TEMPORARY EROSION CONTROL AND PERMANENT BMP PLAN **PID 408**

Scale: 1" = 20'-0"

Notes:

- Contractor shall field verify site conditions and ECM limits.
- For ECM details, see Sheets EC-01 & EC-02.
- For installation of ECM around obstacles, see Detail 5 on Sheet EC-01.

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
IN CHARGE	
PROJECT NO.	
DATE	

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HIGHWAYS DIVISION

TEMP. EC AND PERMANENT BMP PLAN
PID 408
SLOPE IMPROVEMENTS FOR EROSION CONTROL
AT VARIOUS SITES ON OAHU, PHASE 8
Project No. HWY-O-01-18
Scale: 1" = 20'-0" Date: April 2018

SHEET No. EC-04 OF 25 SHEETS

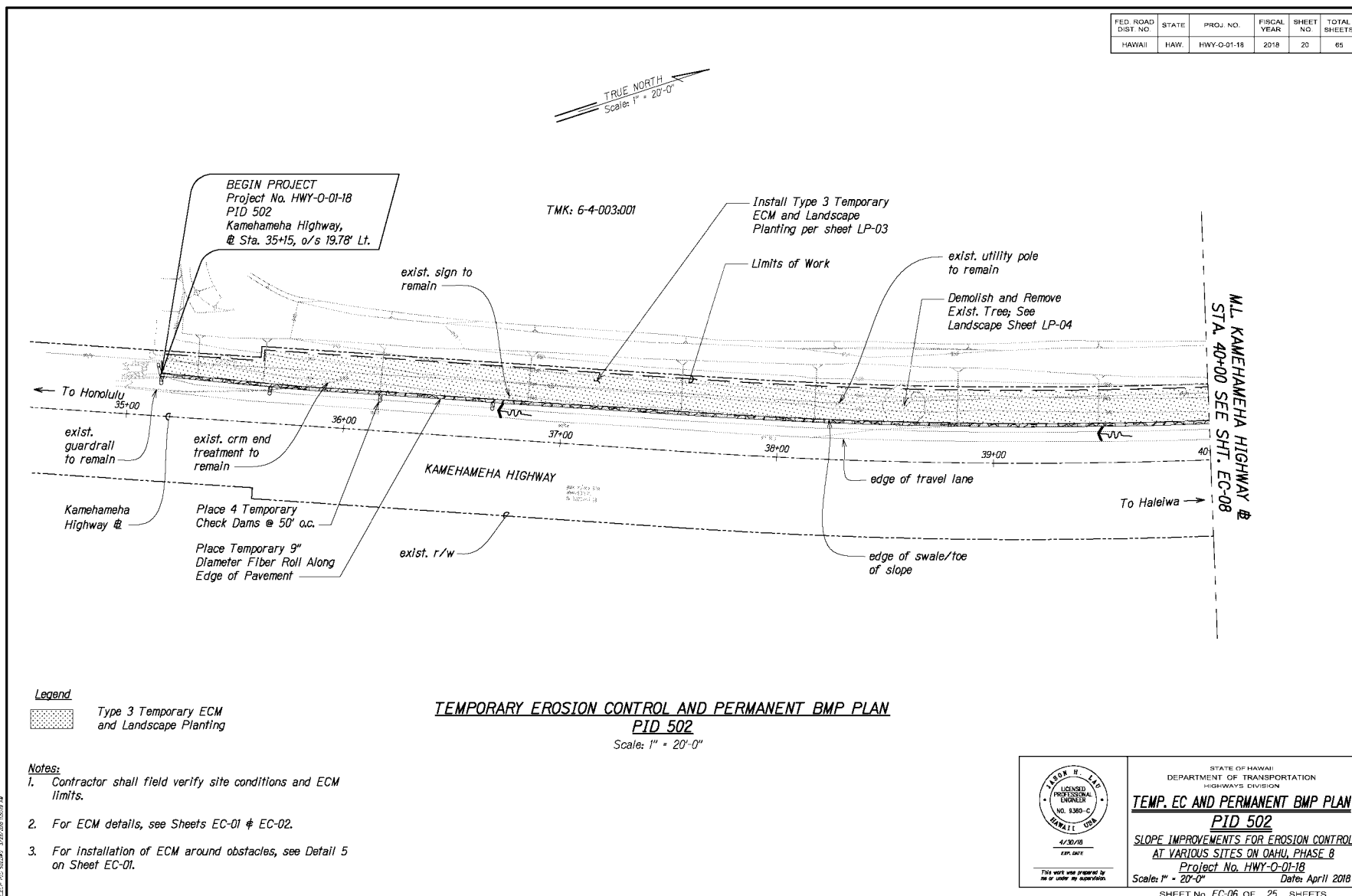
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-01-18	2018	19	65

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

Legend
 [Hatched Box] Type 3 Temporary ECM and Landscape Planting

Notes:
 1. Contractor shall field verify site conditions and ECM limits.
 2. For ECM details, see Sheets EC-01 & EC-02.
 3. For installation of ECM around obstacles, see Detail 5 on Sheet EC-01.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-01-18	2018	20	65



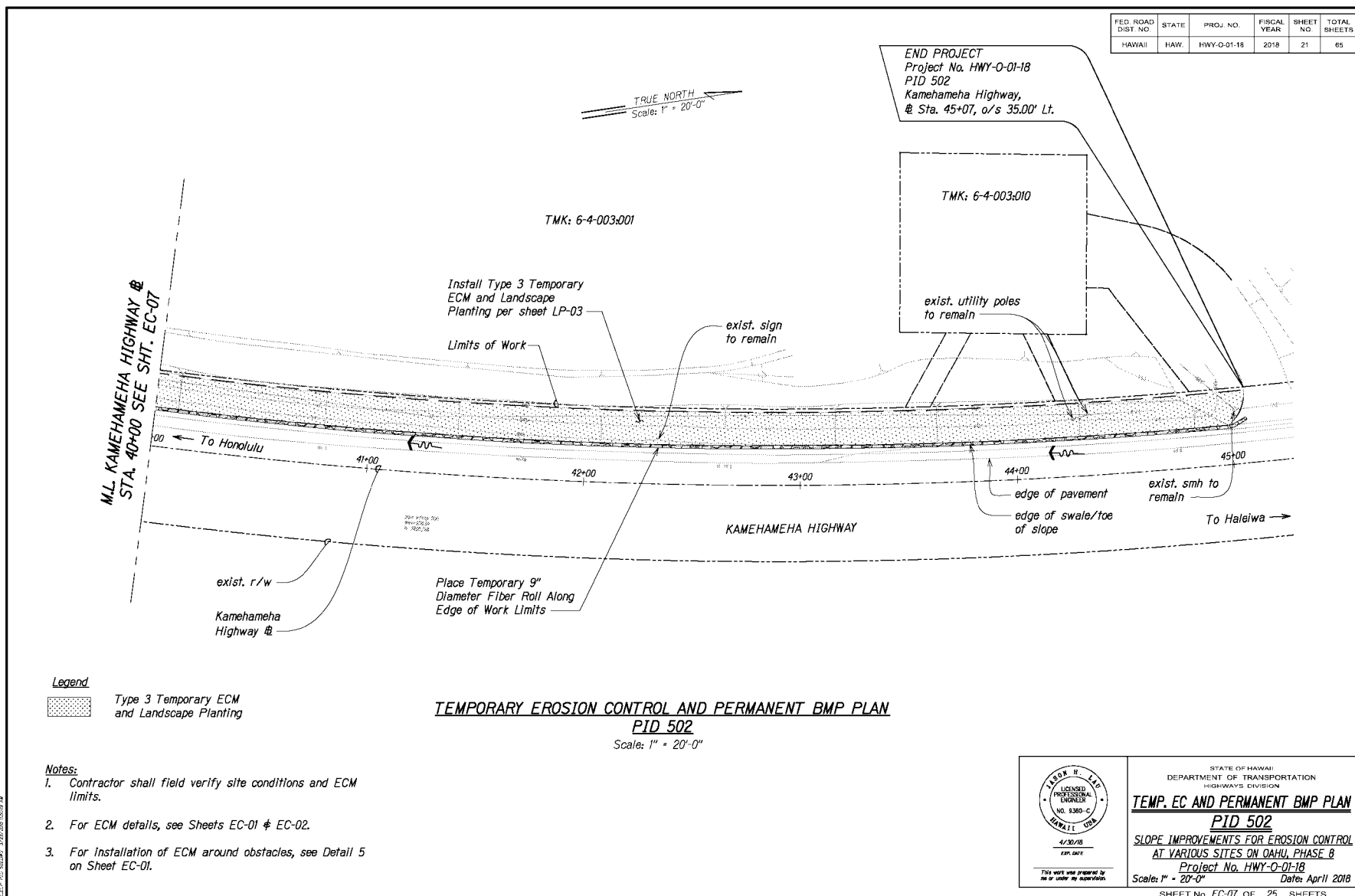
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TEMP. EC AND PERMANENT BMP PLAN
PID 502
 SLOPE IMPROVEMENTS FOR EROSION CONTROL
 AT VARIOUS SITES ON OAHU, PHASE 8
 Project No. HWY-O-01-18
 Scale: 1" = 20'-0" Date: April 2018

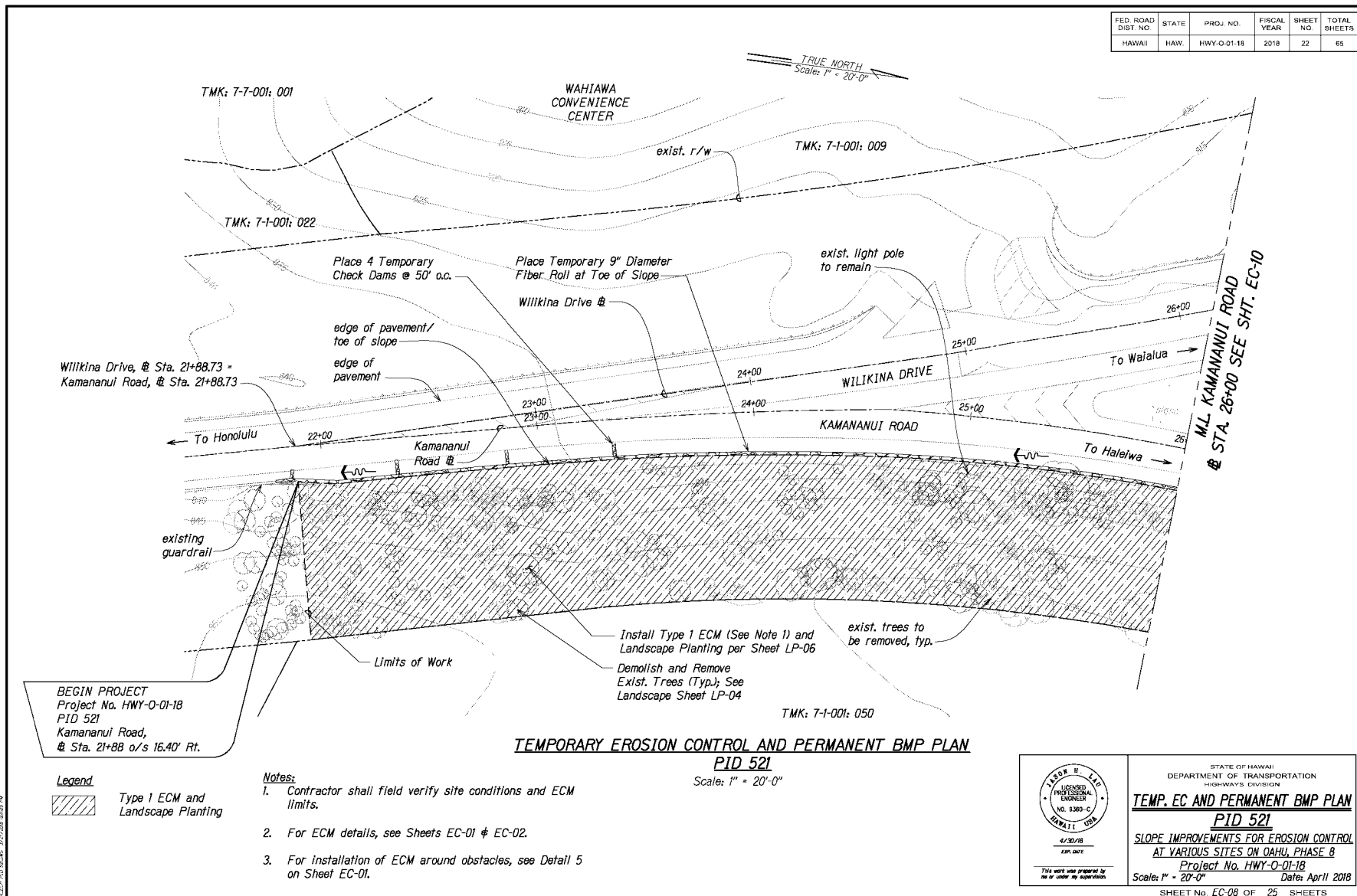
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SHEET No. EC-06 OF 25 SHEETS

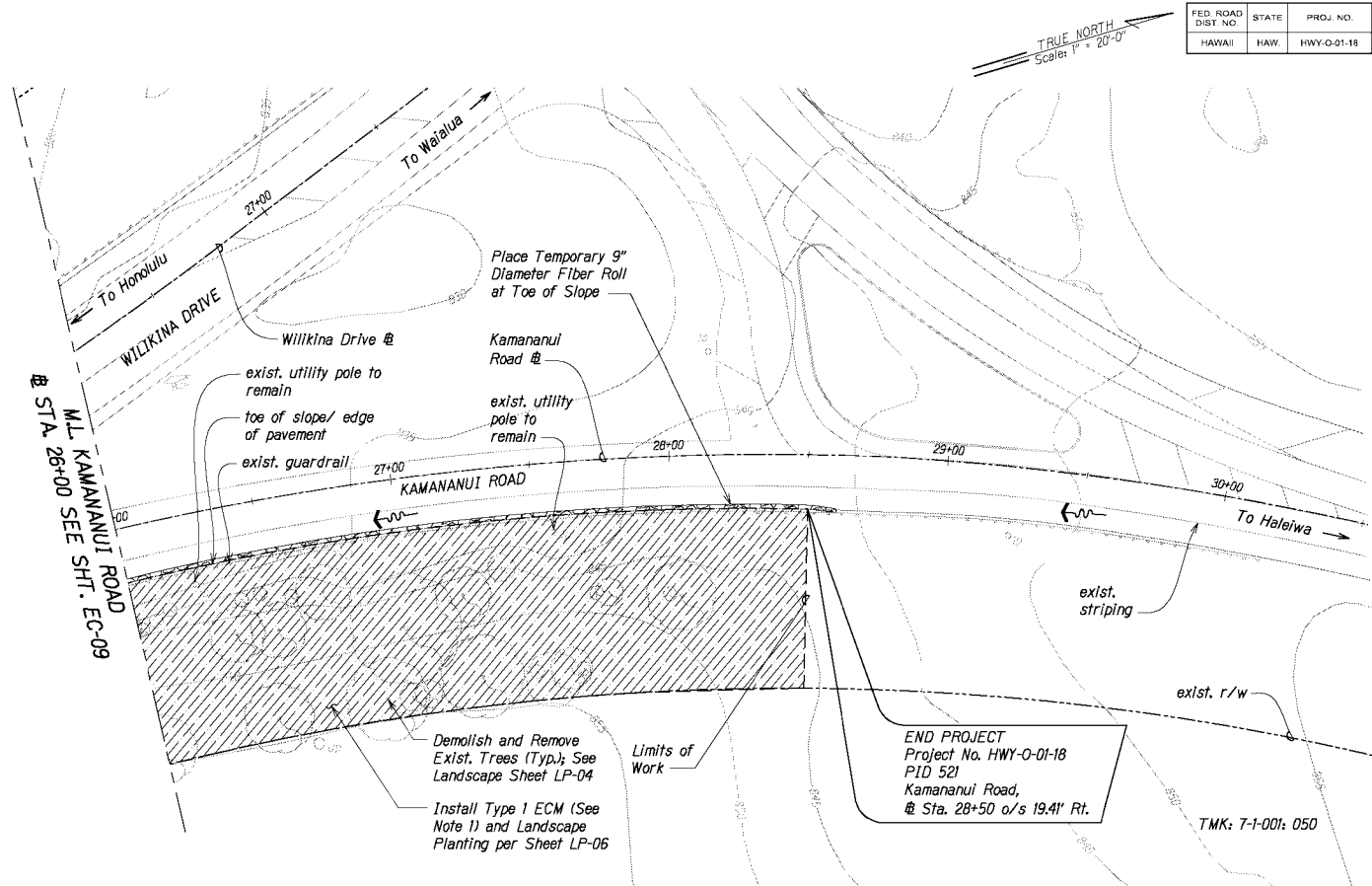
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-01-18	2018	21	65



FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-01-18	2018	22	65



FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-01-18	2018	23	65



TEMPORARY EROSION CONTROL AND PERMANENT BMP PLAN
PID 521

Scale: 1" = 20'-0"

Notes:

1. Contractor shall field verify site conditions and ECM limits.
2. For ECM details, see Sheets EC-01 & EC-02.
3. For installation of ECM around obstacles, see Detail 5 on Sheet EC-01.

Legend

 Type 1 ECM and Landscape Planting

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
IN CHARGE	
PROJECT NO.	
DATE	



4/30/18
EXPI. DATE

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DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

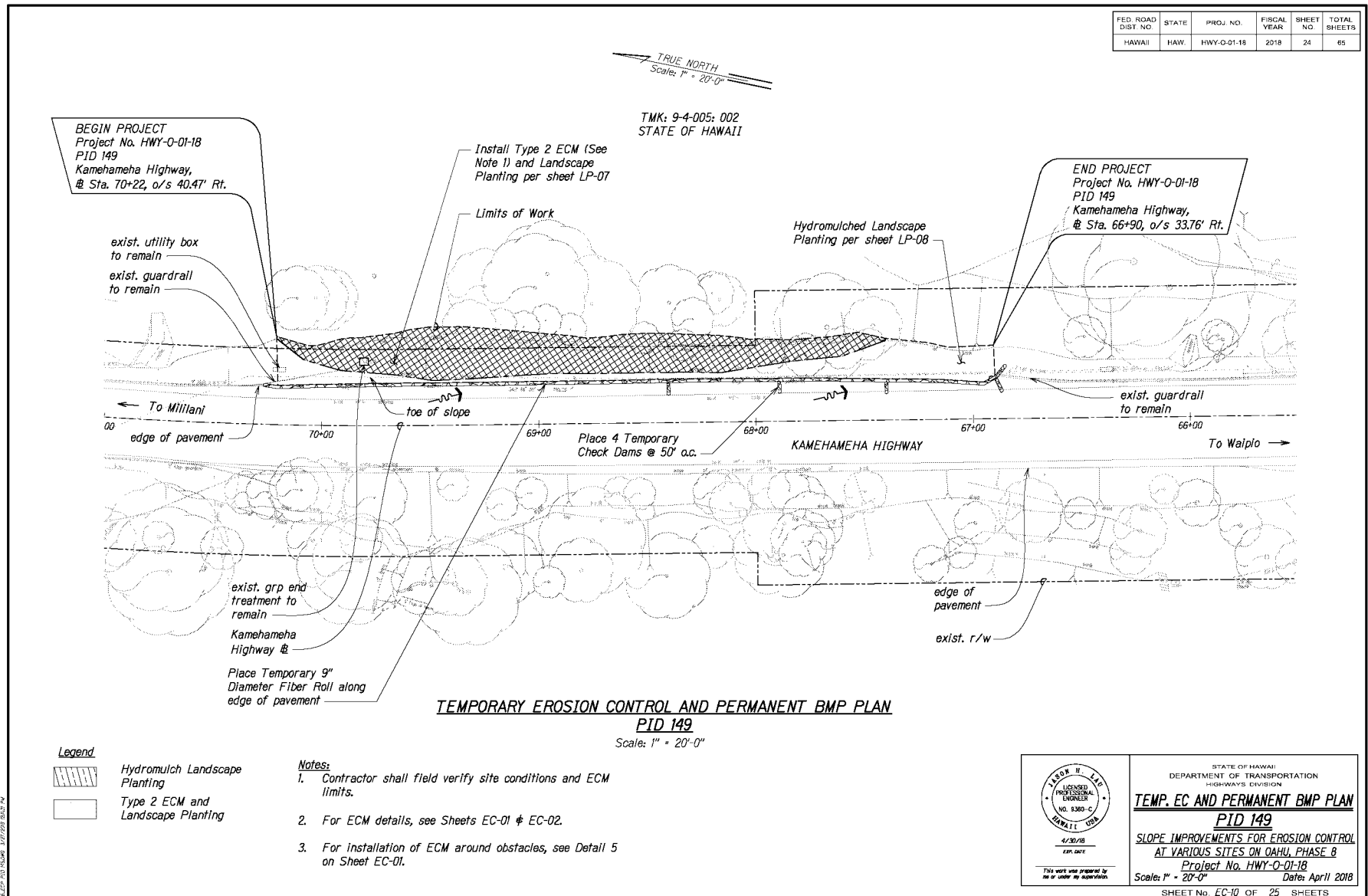
TEMP. EC AND PERMANENT BMP PLAN
PID 521

SLOPE IMPROVEMENTS FOR EROSION CONTROL
AT VARIOUS SITES ON OAHU, PHASE 8

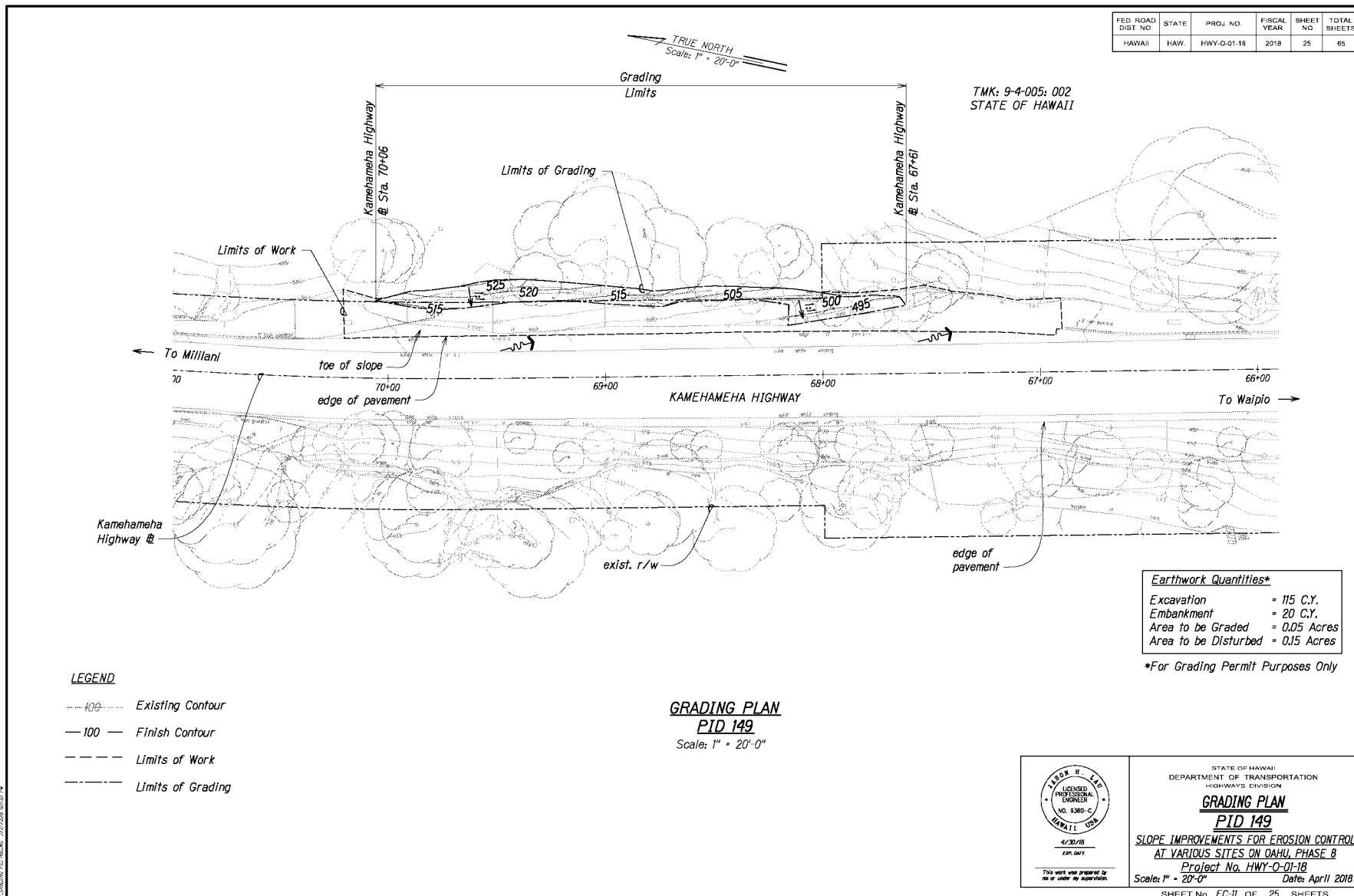
Project No. HWY-0-01-18
Scale: 1" = 20'-0" Date: April 2018

SHEET No. EC-09 OF 25 SHEETS

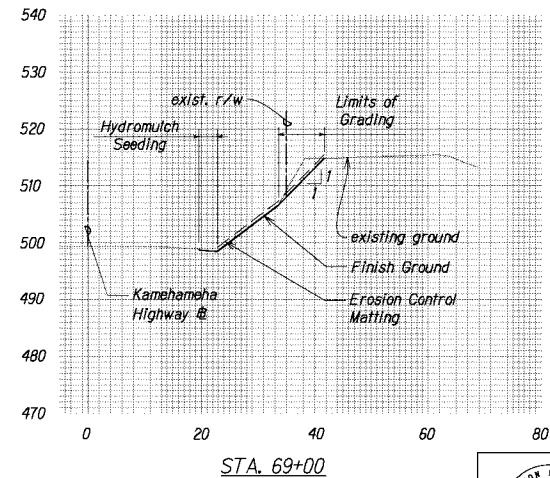
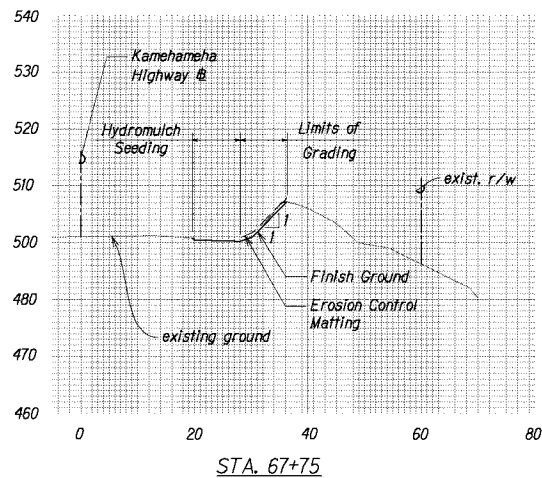
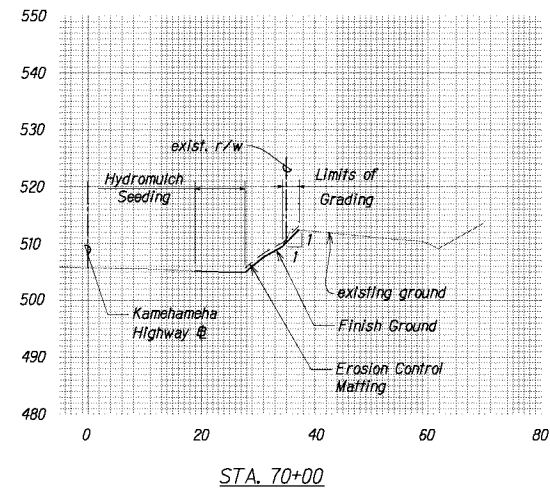
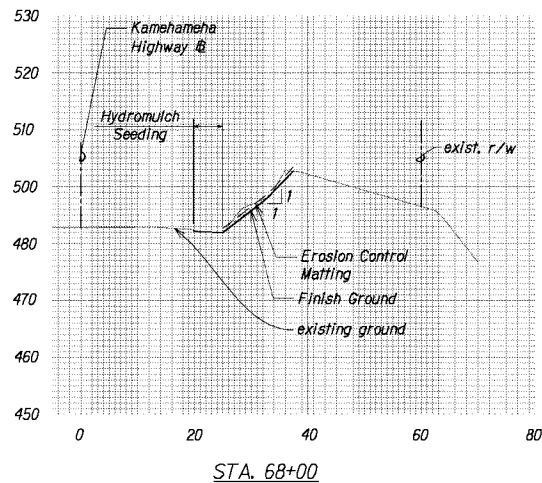
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HAWAII	HAW.	HWY-O-01-18	2018	24	65



FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-01-18	2018	25	65



FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-01-18	2018	26	65



**CROSS SECTIONS
PID 149**
Scale: Horiz. 1" = 10'-0"
Vert. 1" = 10'-0"

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
IN CHARGE	
APPROVED BY	

DAVID E. LEE
LICENSED PROFESSIONAL ENGINEER
NO. 13360-C
HAWAII, U.S.A.
4/30/18
EXPI. DATE

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

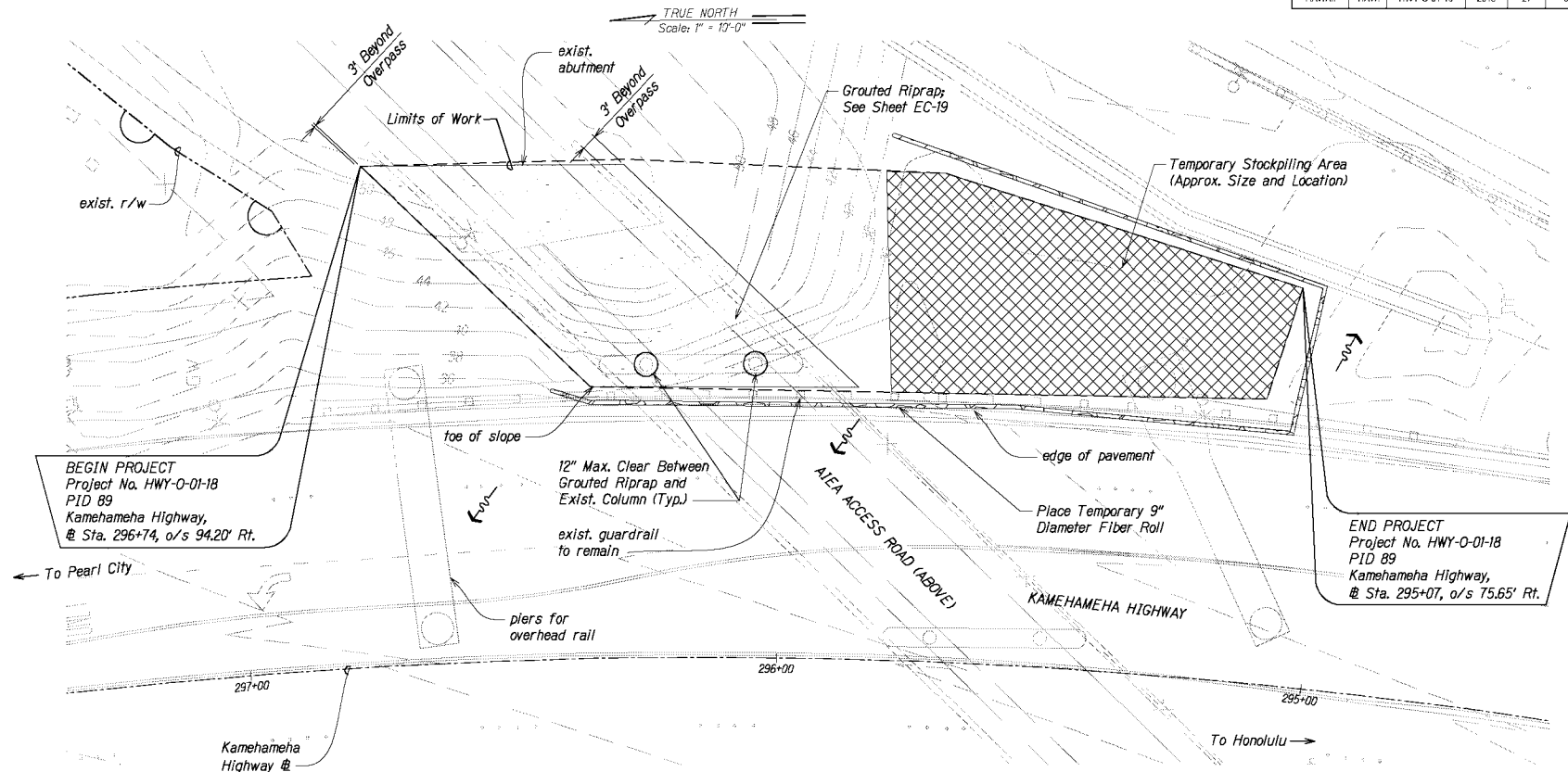
**CROSS SECTIONS
PID 149**

SLOPE IMPROVEMENTS FOR EROSION CONTROL
AT VARIOUS SITES ON OAHU, PHASE 8

Project No. HWY-O-01-18
Scale: 1" = 20'-0" Date: April 2018

SHEET No. EC-12 OF 25 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-01-18	2018	27	65



Note:
1. The Contractor shall adjust staging/stockpiling area as required for construction.

Legend

- Grouted Riprap
- Staging/Stockpiling Area

**TEMPORARY EROSION CONTROL AND PERMANENT BMP PLAN
PID 89**

Scale: 1" = 10'-0"

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
IN CHARGE	
PROJECT NO.	
SHEET NO.	
TOTAL SHEETS	

James E. Lee
Professional Engineer
License No. 13360-C
State of Hawaii

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

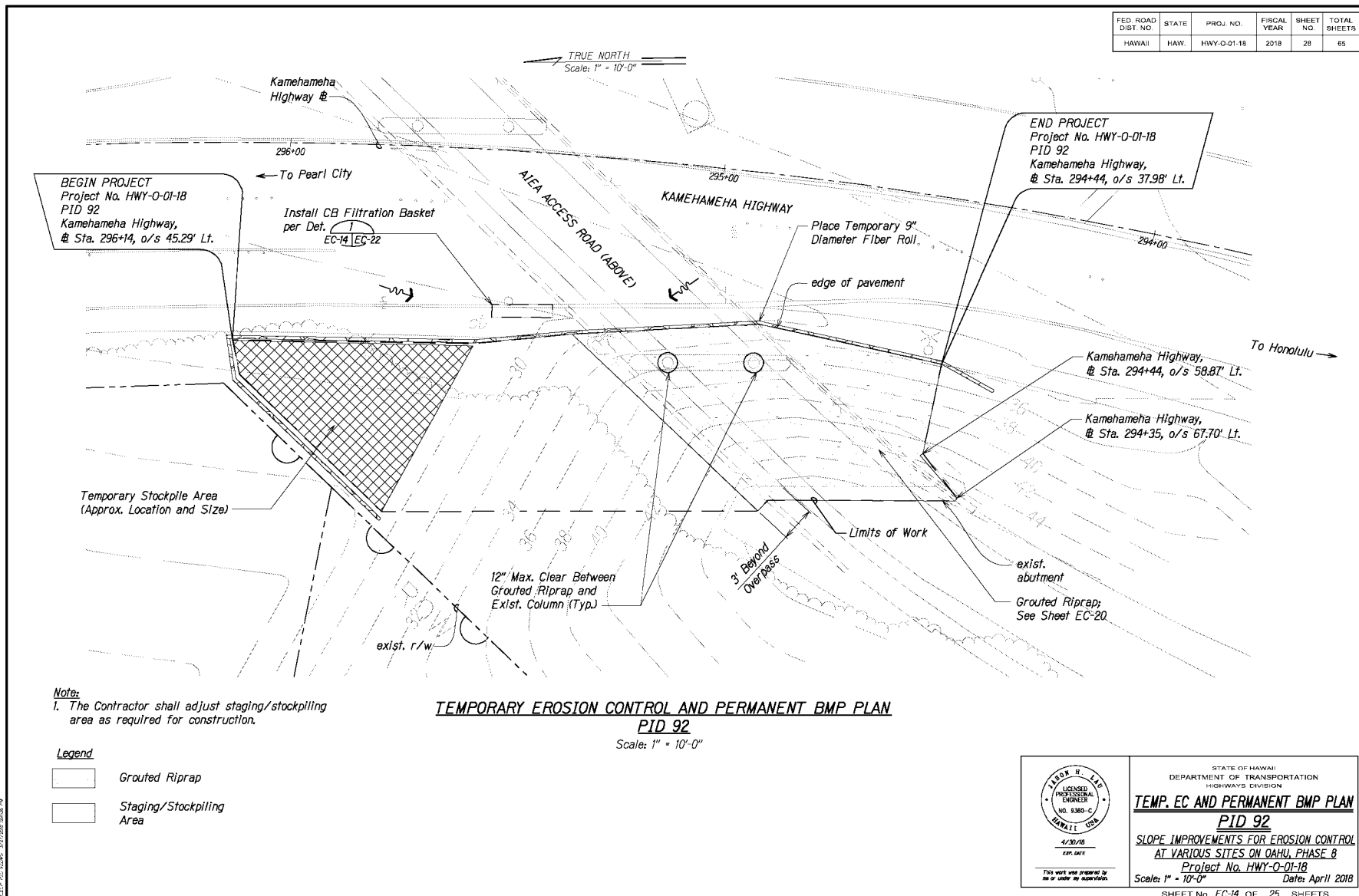
**TEMP. EC AND PERMANENT BMP PLAN
PID 89**

SLOPE IMPROVEMENTS FOR EROSION CONTROL
AT VARIOUS SITES ON OAHU, PHASE 8

Project No. HWY-O-01-18
Scale: 1" = 10'-0" Date: April 2018

SHEET No. EC-13 OF 25 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-01-18	2018	28	65



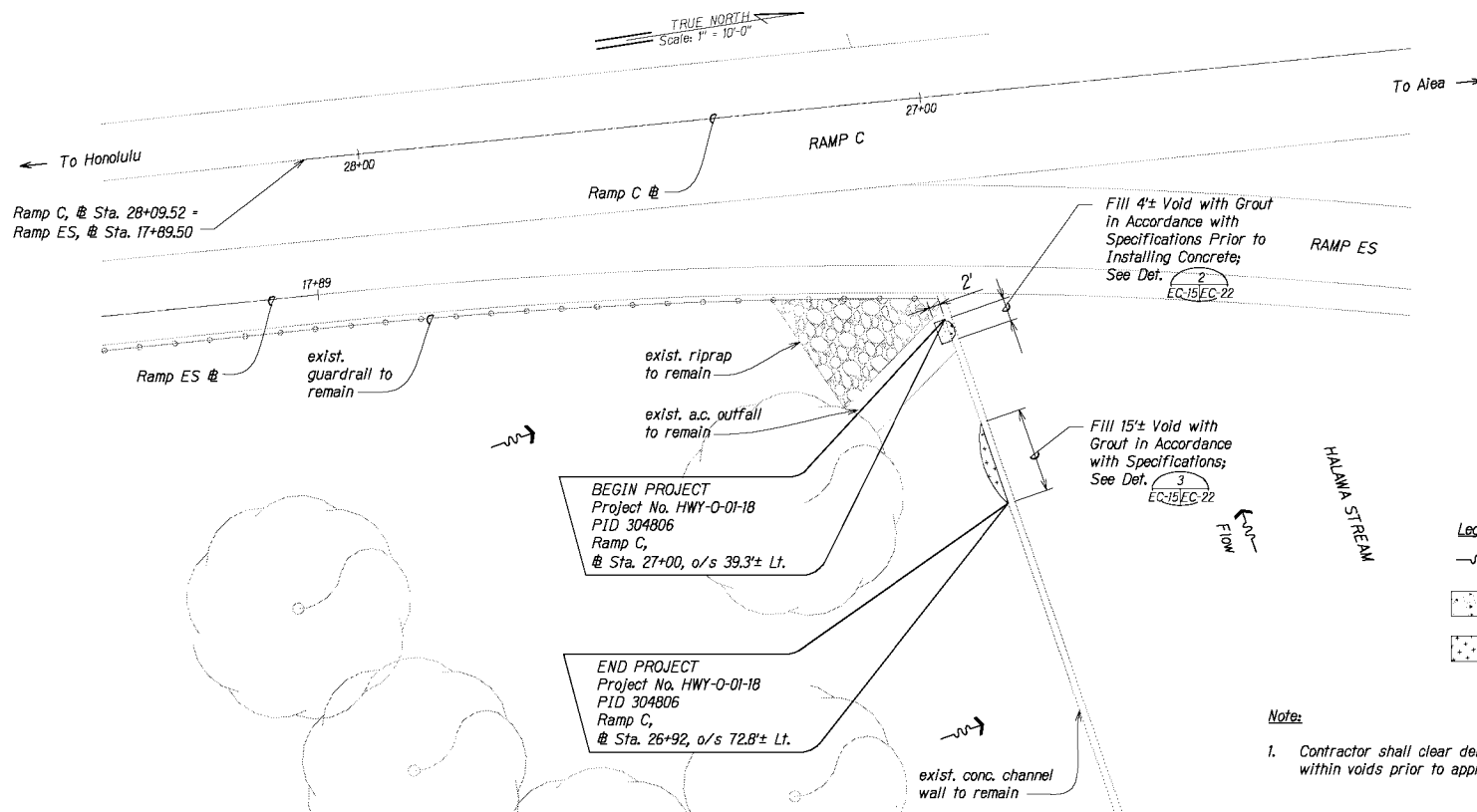
DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
IN CHARGE	
APPROVED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TEMP. EC AND PERMANENT BMP PLAN
PID 92
SLOPE IMPROVEMENTS FOR EROSION CONTROL
AT VARIOUS SITES ON OAHU, PHASE 8
Project No. HWY-O-01-18
Scale: 1" = 10'-0" Date: April 2018

SHEET No. EC-14 OF 25 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-01-18	2018	29	65



TEMPORARY EROSION CONTROL AND PERMANENT BMP PLAN

PID 304806

Scale: 1" = 10'-0"

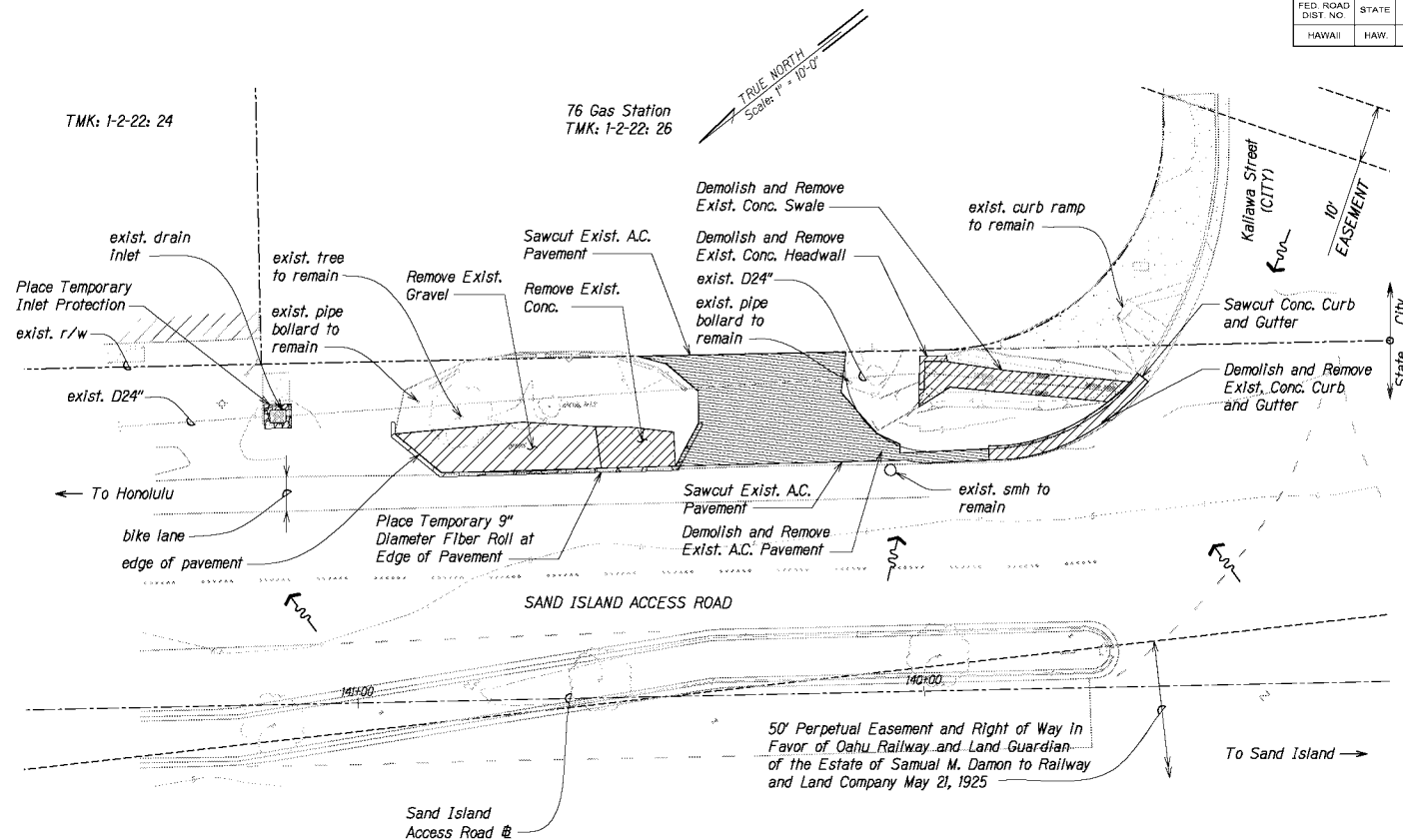
DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
IN CHARGE	
DATE	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TEMP. EC AND PERMANENT BMP PLAN
PID 304806
SLOPE IMPROVEMENTS FOR EROSION CONTROL
AT VARIOUS SITES ON OAHU, PHASE 8
Project No. HWY-O-01-18
Scale: 1" = 10'-0" Date: April 2018

SHEET No. EC-15 OF 25 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-01-18	2018	30	65



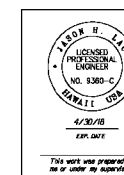
LEGEND

-  Direction of Flow
-  Demolish and Remove Existing Concrete
-  Demolish and Remove Existing A.C. Pavement
-  Remove Existing Gravel

DEMOLITION AND TEMPORARY EROSION CONTROL PLAN

PID 467

Scale: 1" = 10'-0"

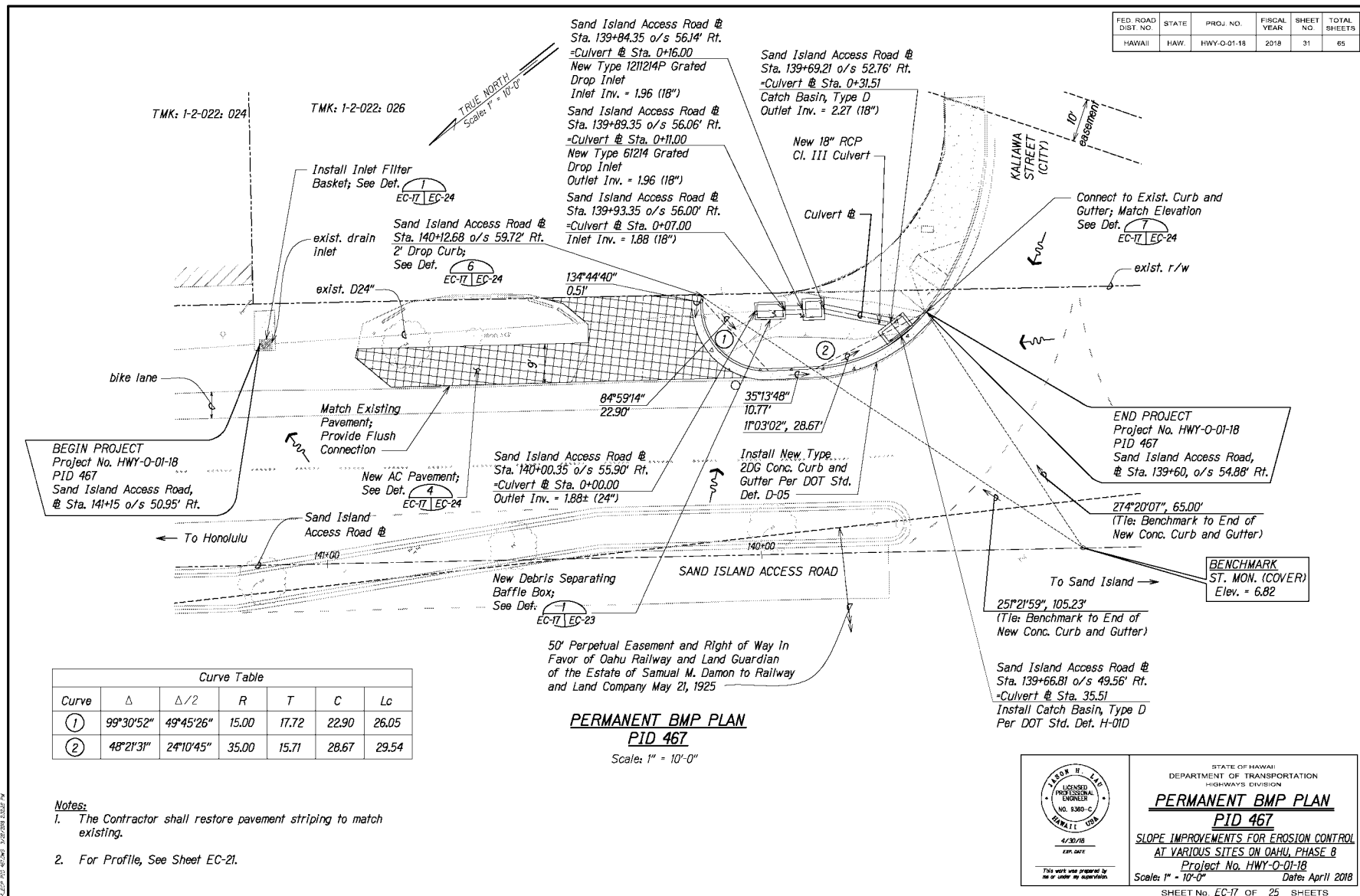


STATE OF HAWAII
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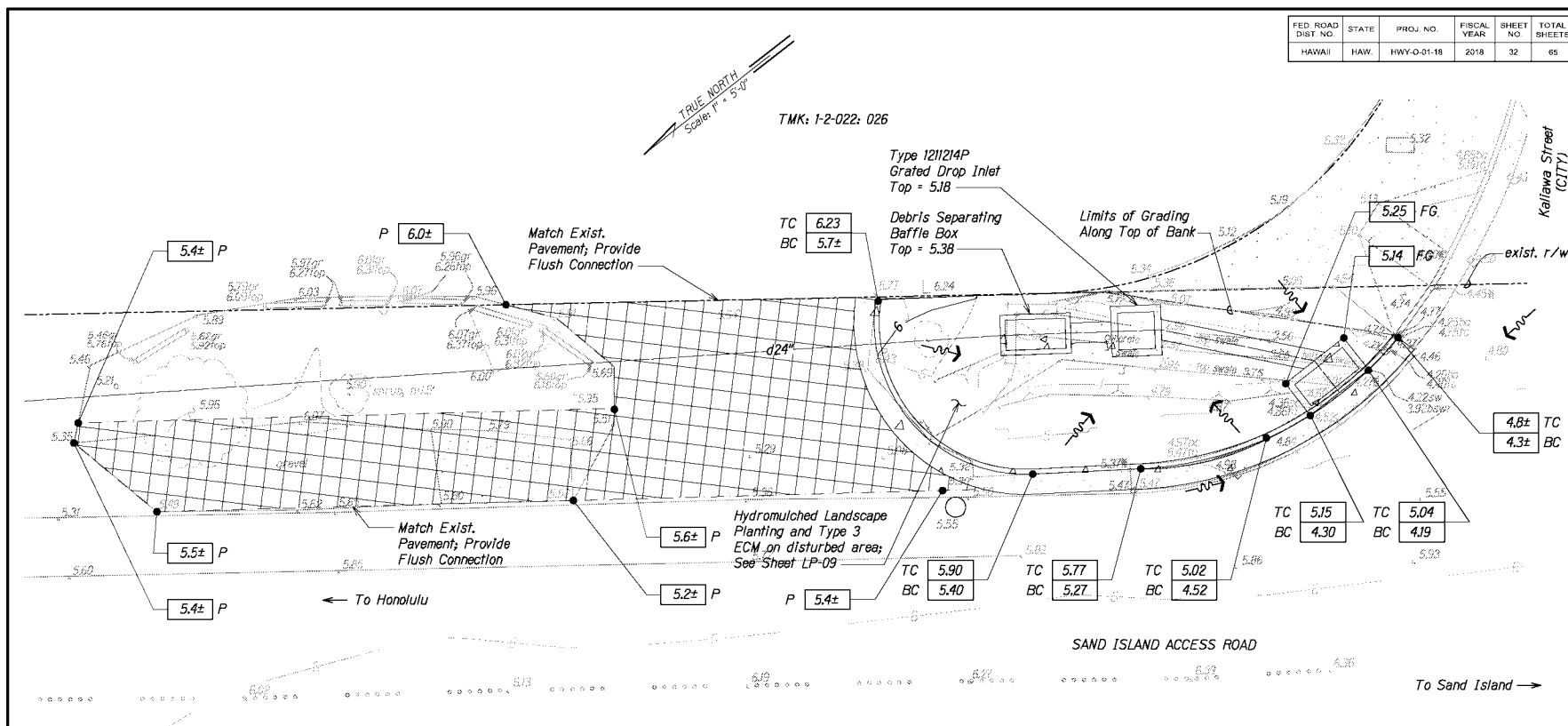
DEMOLITION AND TEMP. EC PLAN
PID 467
SLOPE IMPROVEMENTS FOR EROSION CONTROL
AT VARIOUS SITES ON OAHU, PHASE 8
Project No. HWY-O-01-18
Scale: 1" = 10'-0" Date: April 2018

SHEET No. EC-16 OF 25 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-01-18	2018	31	65



FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-01-18	2018	32	65



GRADING PLAN **PID 467** Scale: 1" = 5'-0"

LEGEND

- Existing Elevation
- Existing Contour
- Finish Ground Elevation
- Finish Contour
- Top of Curb Elevation
- Limits of Grading
- Bottom of Curb Elevation
- Flow Direction
- Pavement Elevation

DAVID E. LEE
LICENSED PROFESSIONAL ENGINEER
NO. 1336-C
HAWAII
4/30/18
EXPI. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GRADING PLAN
PID 467
SLOPE IMPROVEMENTS FOR EROSION CONTROL
AT VARIOUS SITES ON OAHU, PHASE 8
Project No. HWY-O-01-18
Scale: As Shown Date: April 2018

SHEET No. EC-18 OF 25 SHEETS