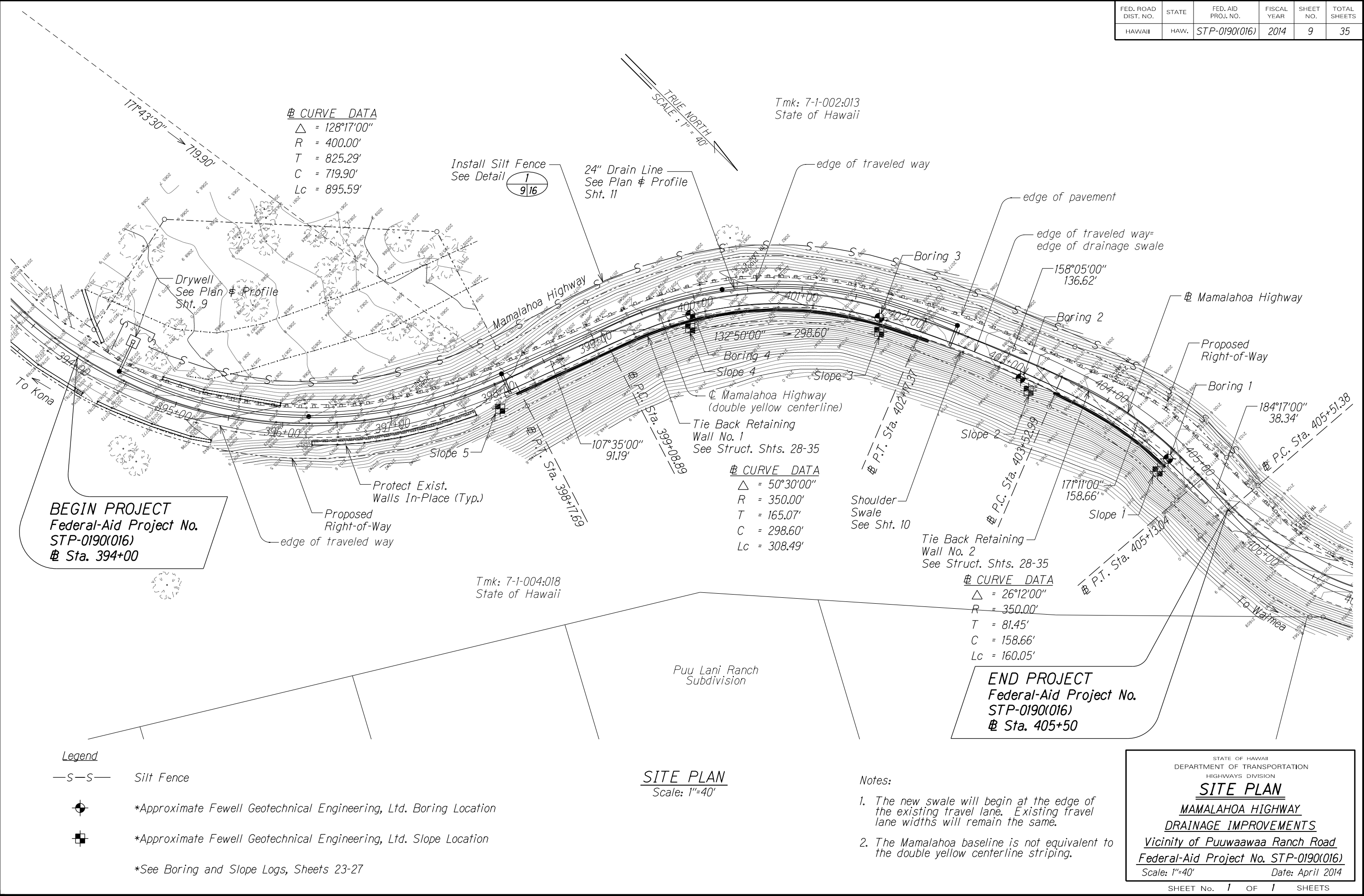


SWPPP Attachments

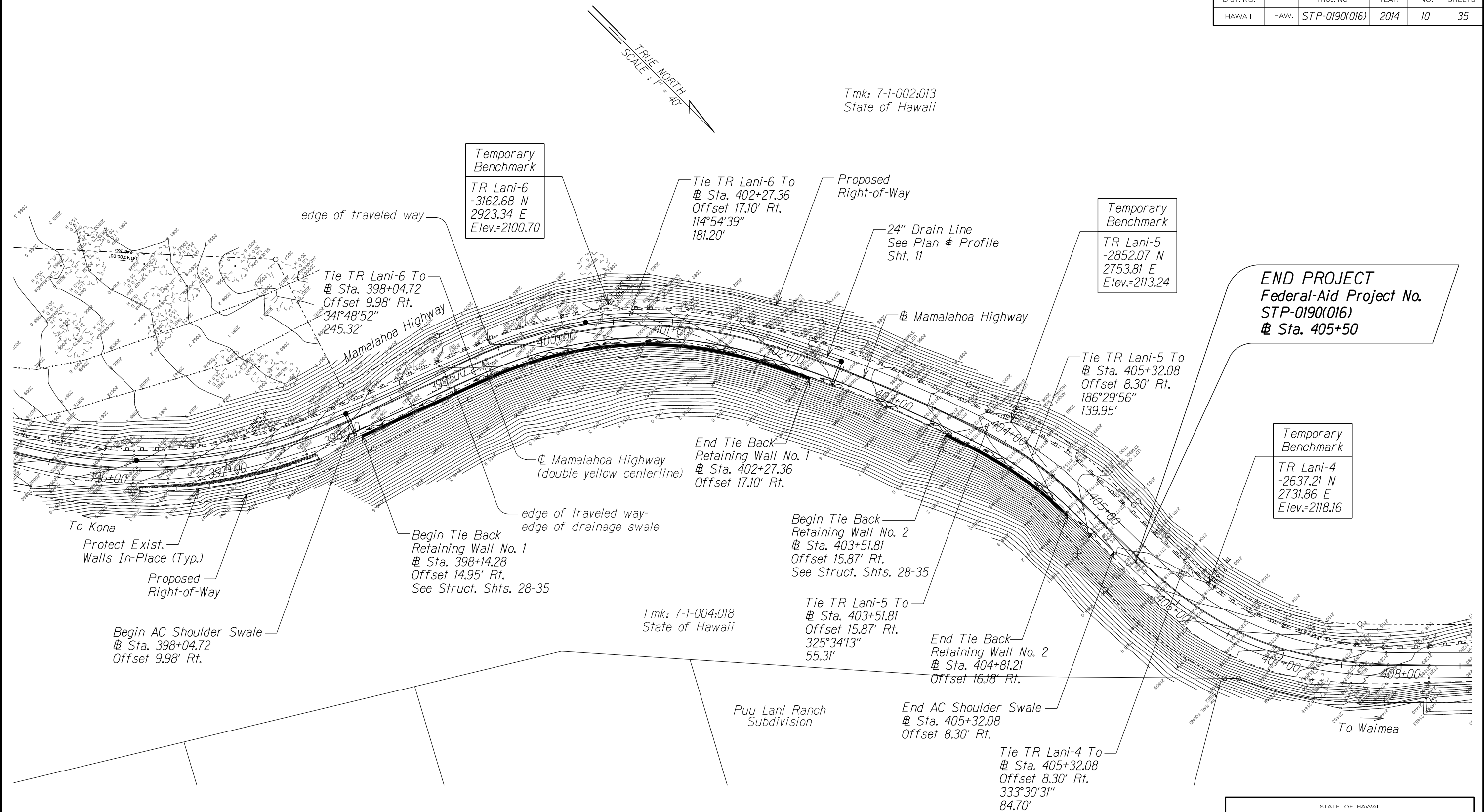
Attachment A – Contractor/Sub-Contractor Control Maps, Property Boundary Maps, State Waters and BMP Maps, and BMP Details (SWPPP Sections 7.2.4, 7.2.6.1, 7.2.6.2 to 7.2.6.8 & 7.2.10)

**MAPS SHOWING LOCATIONS OF CONTRACTOR/SUB-CONTRACTOR CONTROL,
PROJECT SITE MAPS, CONSTRUCTION PLANS/DRAWINGS, BMP LOCATION MAPS,
AND BMP DETAILS**

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0190(016)	2014	9	35



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0190(016)	2014	10	35



SWALE PLAN
Scale: 1"=40'

- Notes:
- The new swale will begin at the edge of the existing travel lane. Existing travel lane widths will remain the same.
 - The Mamalahoa baseline is not equivalent to the double yellow centerline striping.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SWALE PLAN

MAMALAHOA HIGHWAY

DRAINAGE IMPROVEMENTS

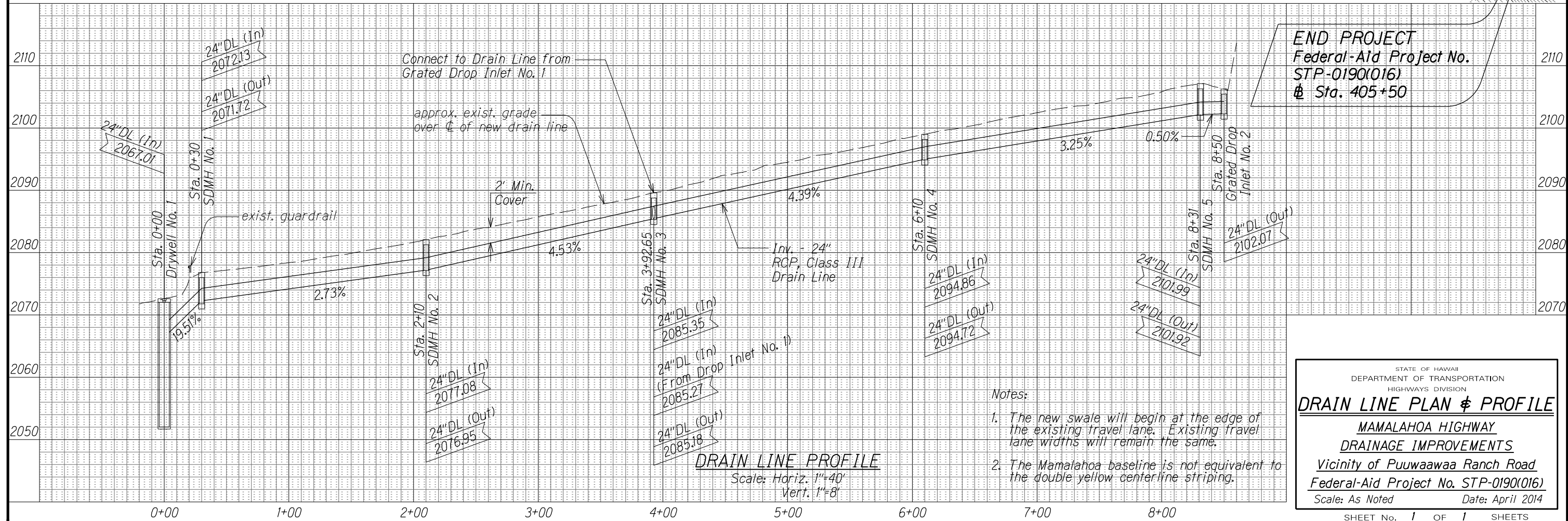
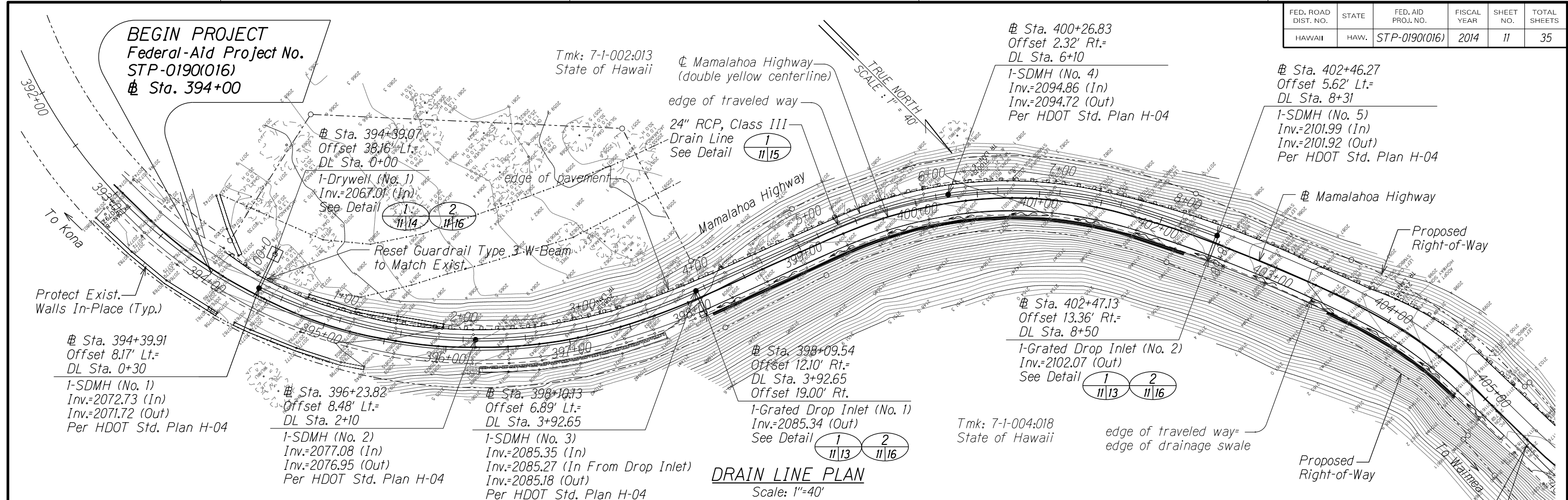
Vicinity of Puuwaawaa Ranch Road

Federal-Aid Project No. STP-0190(016)

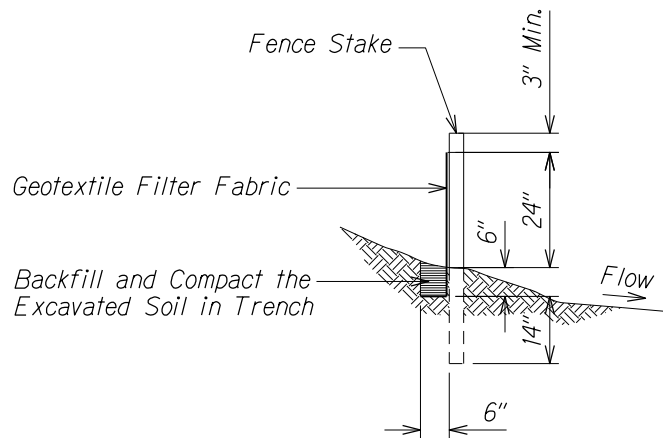
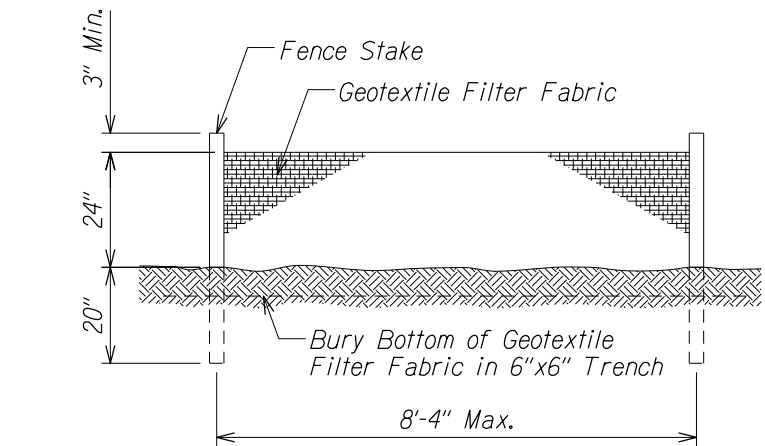
Scale: 1"=40' Date: April 2014

SHEET No. 1 OF 1 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0190(016)	2014	11	35



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0190(016)	2014	16	35

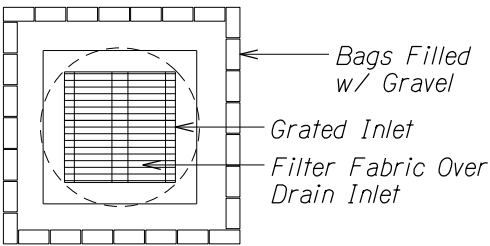


Notes:

1. The filter fabric shall be a minimum of 36 inches wide.
2. If silt fence is obtained from manufacturer as a package (I.E. fabric attached to post) the manufacturer's installation instruction shall be adhered to.
3. Fence stakes may be wood or metal, must be capable of supporting anticipated loads.

SILT FENCE DETAILS 1
9/16

Not to Scale



GRATED INLET
EROSION CONTROL PLAN 2
11/16

Not to Scale

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CIVIL DETAILS

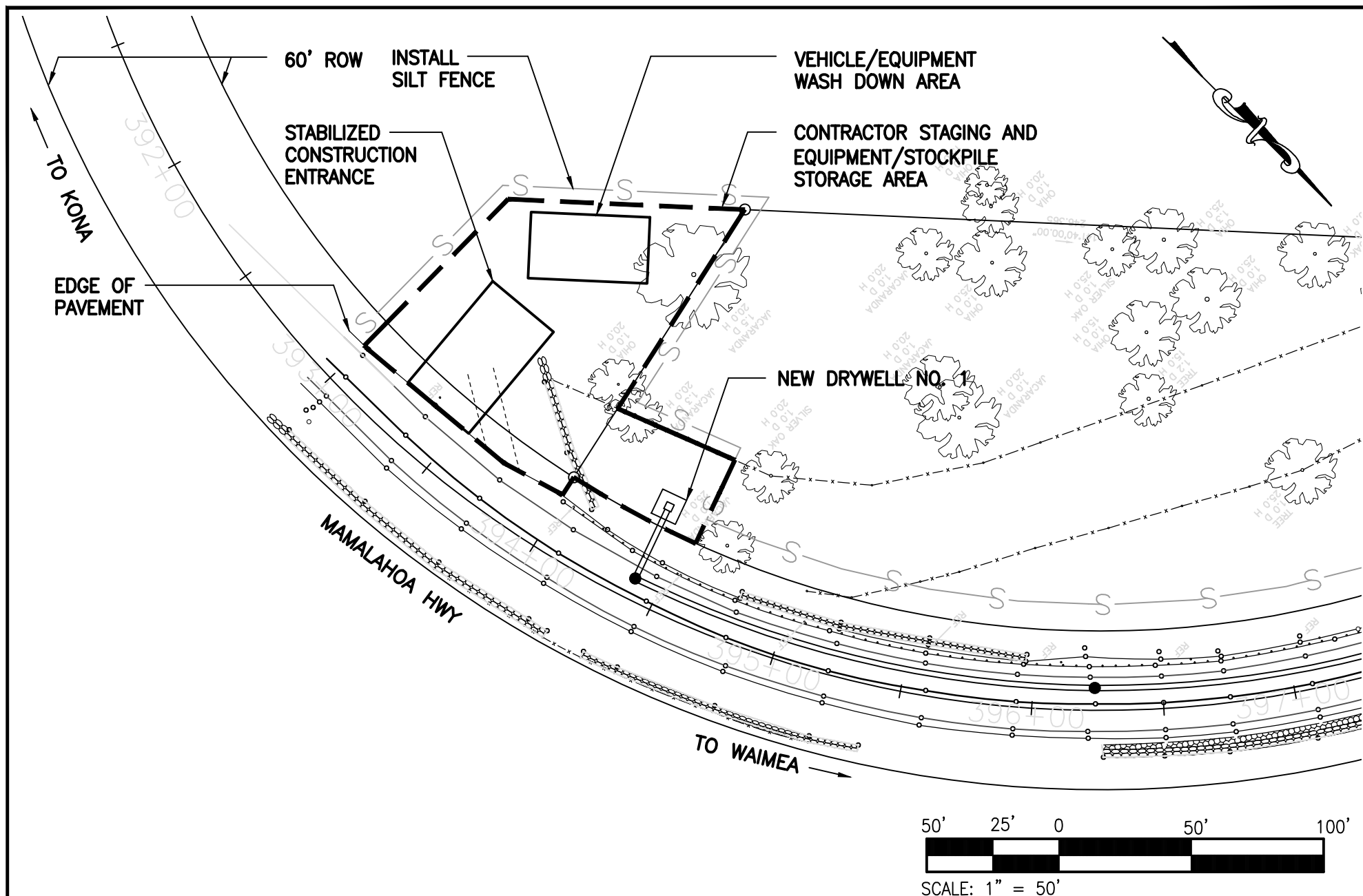
MAMALAHOA HIGHWAY

DRAINAGE IMPROVEMENTS

Vicinity of Puuwaawaa Ranch Road

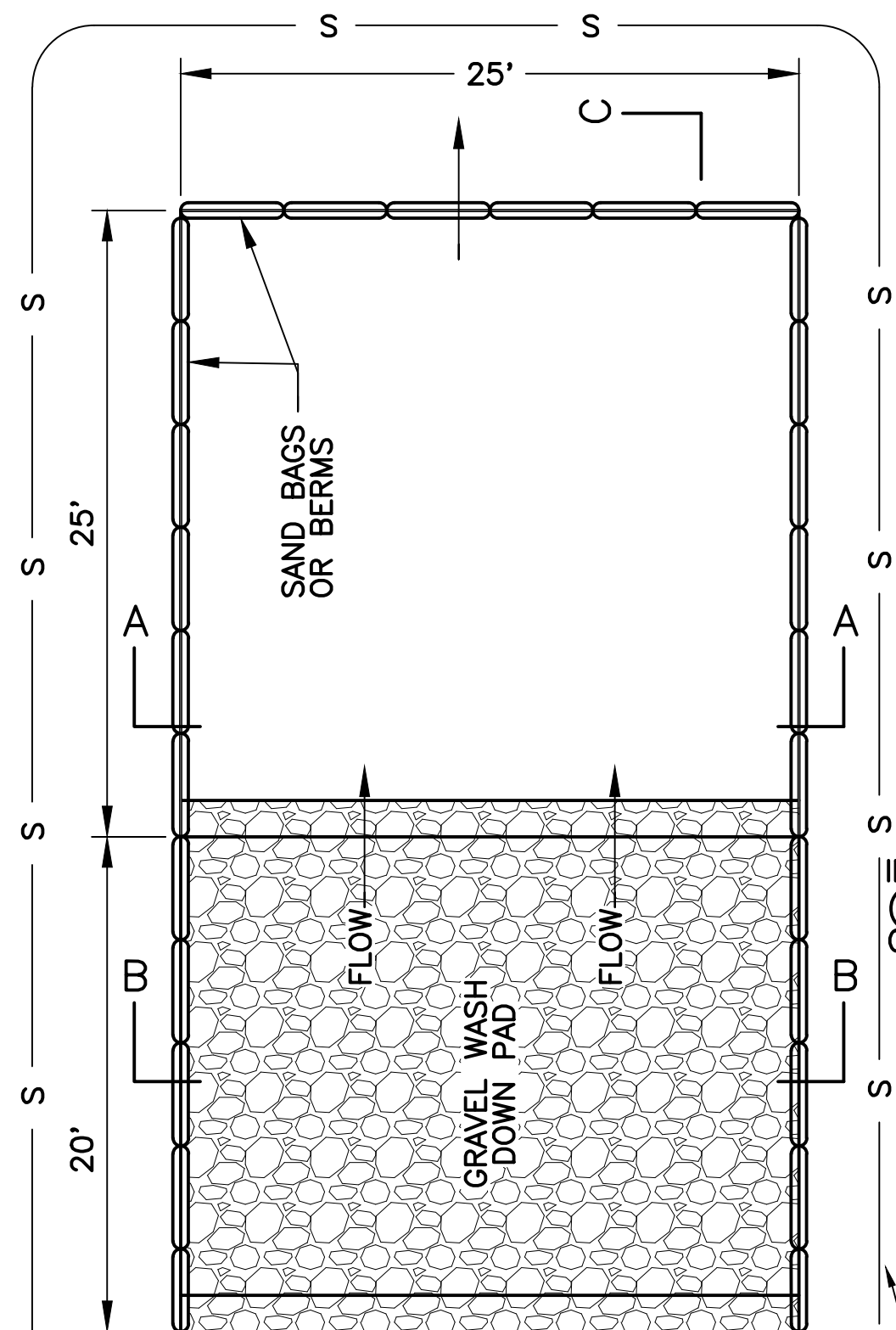
Federal-Aid Project No. STP-0190(016)

Scale: Not to Scale Date: April 2014

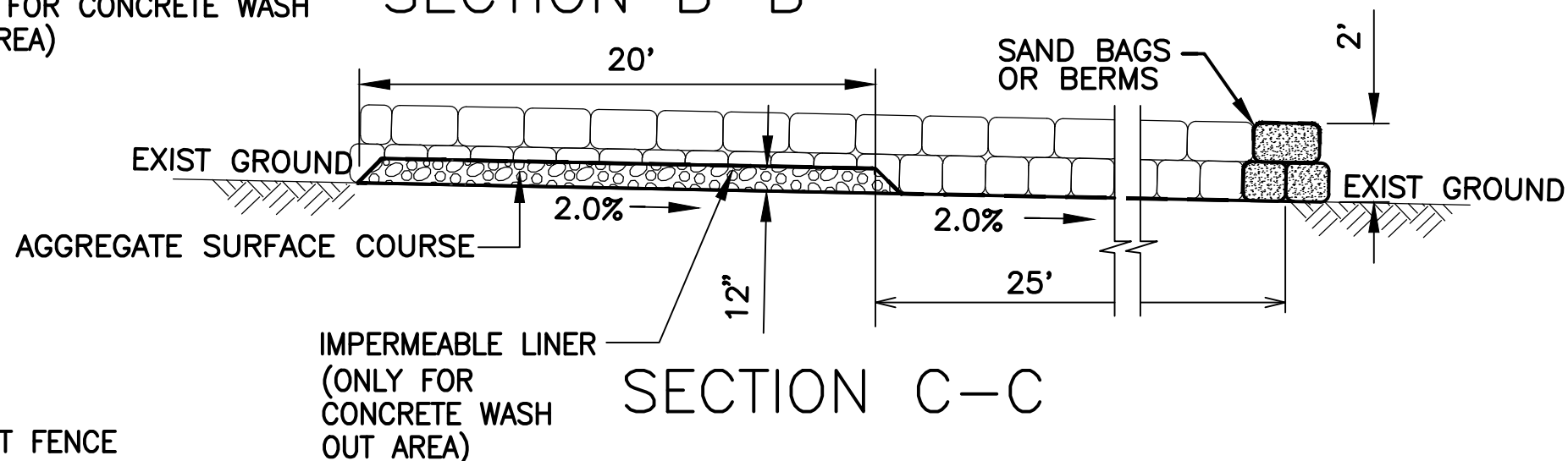
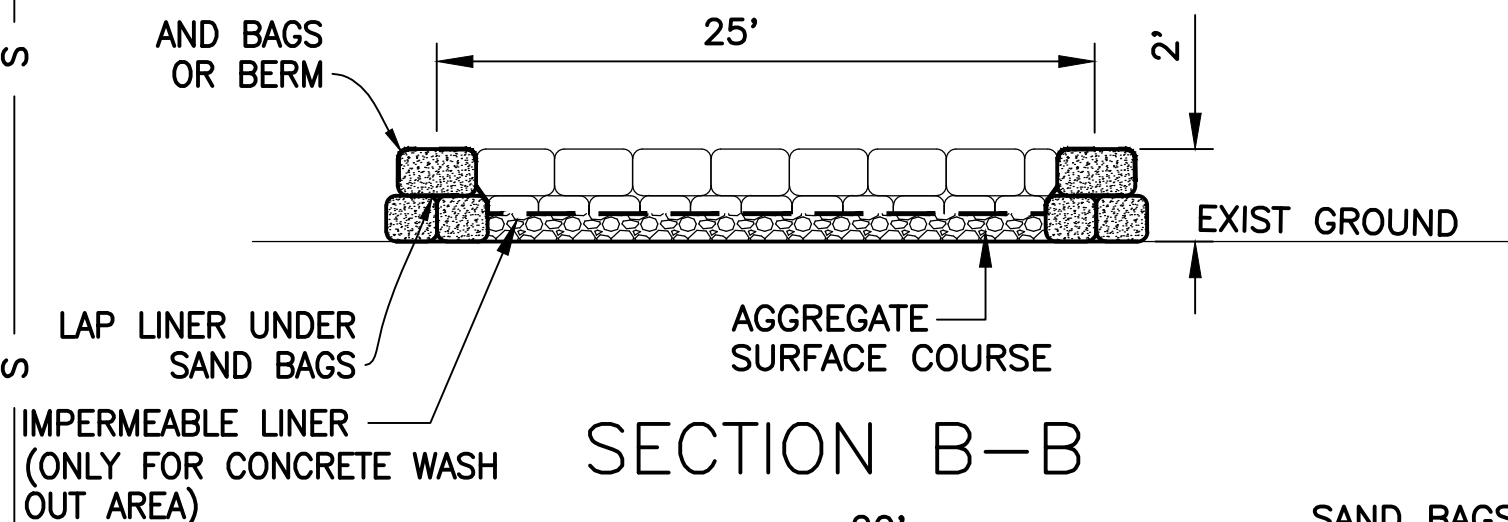
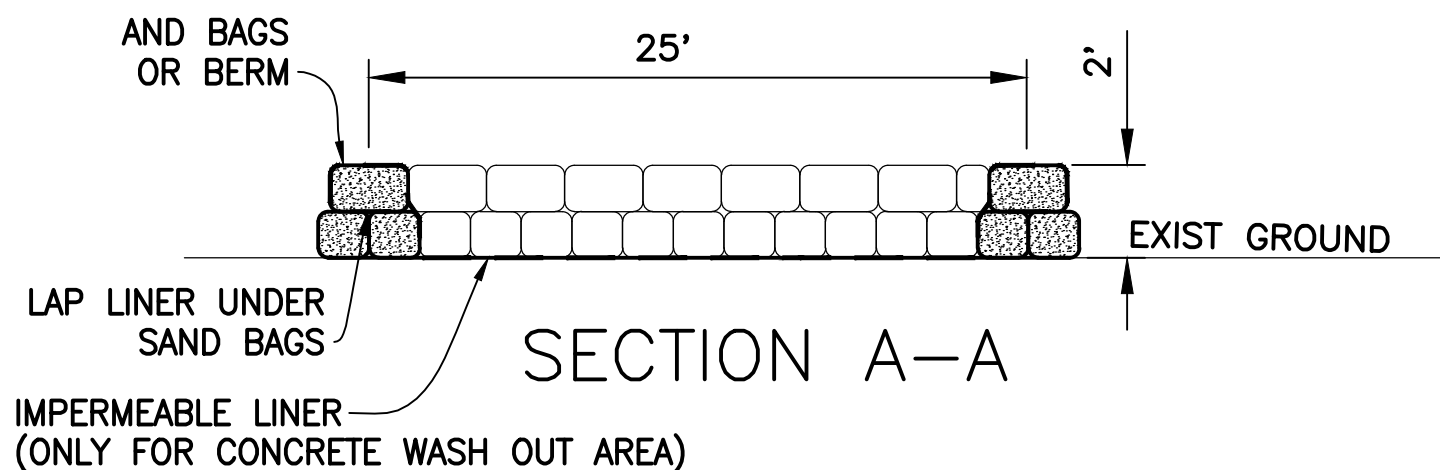


Mamalahoa Highway Drainage Improvements
Vicinity of Puuwaawaa Ranch Road
 District of North Kona, Island of Hawaii
 TMK: (3) 7-1-02, 04, 06

SWPPP Attachment A
Contractor Staging/Storage Area Location
03/28/14



PLAN



SILT FENCE
(ONLY FOR
EQUIPMENT WASH
DOWN AREA)