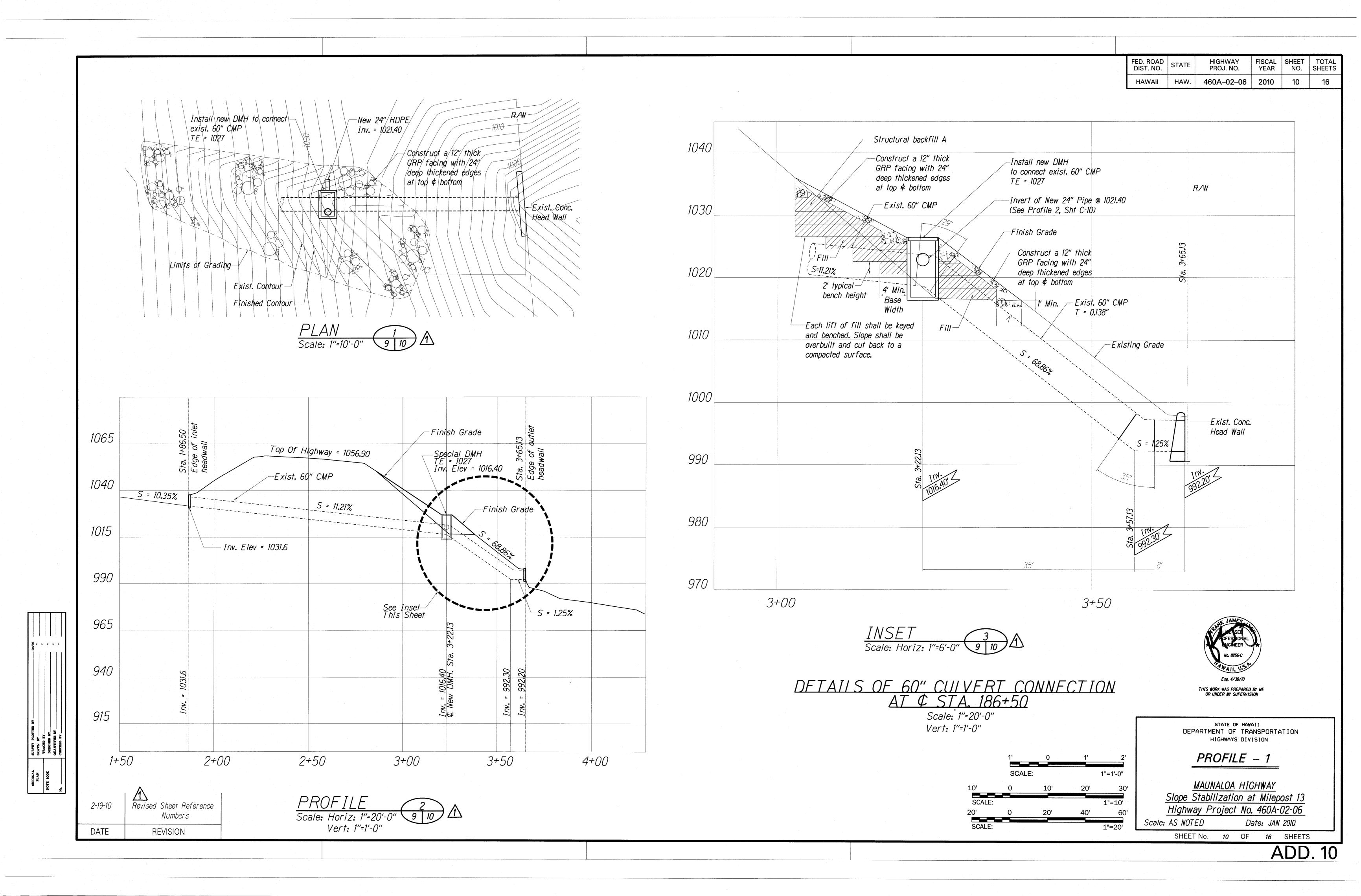
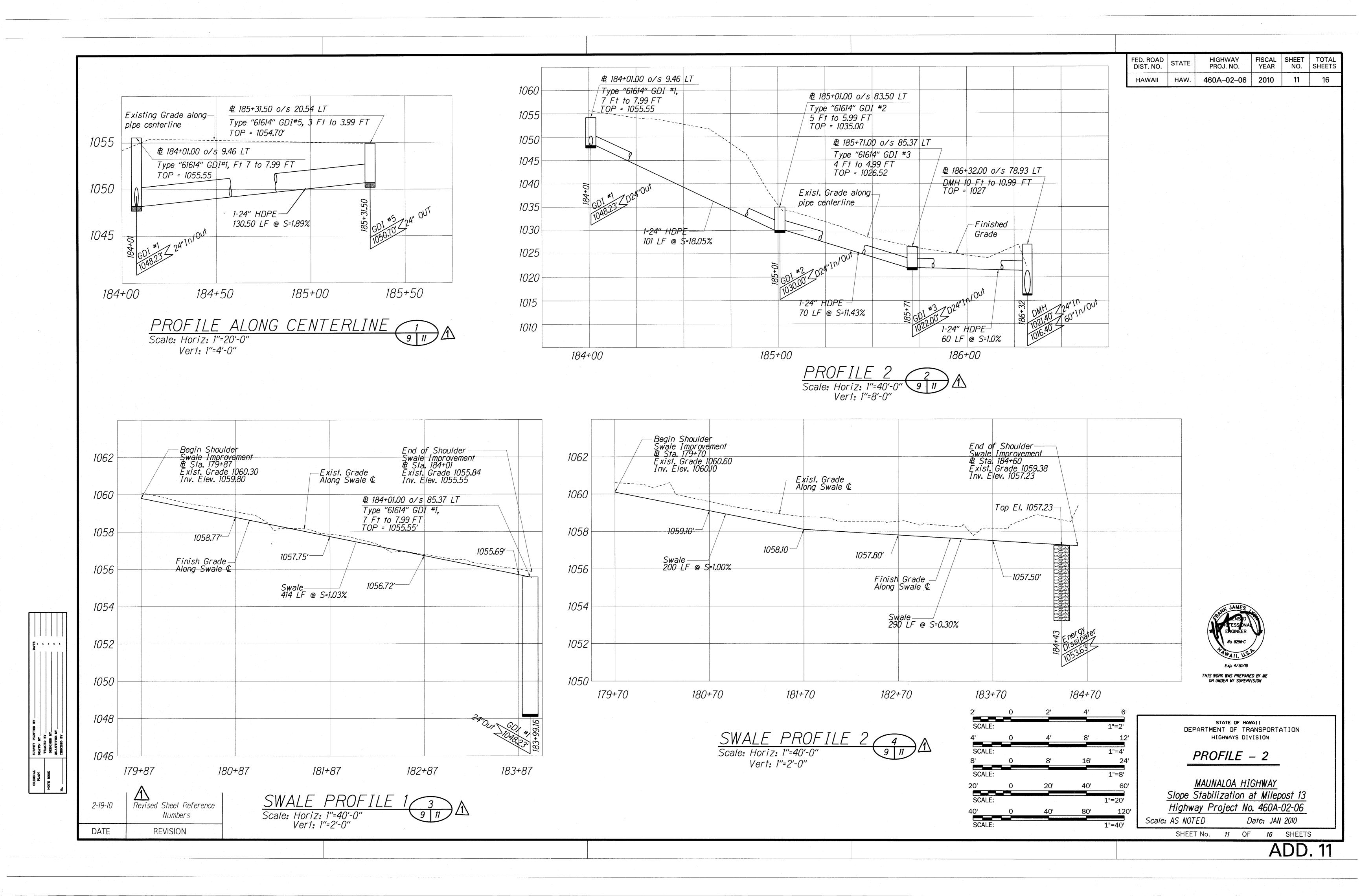
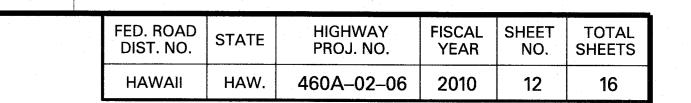
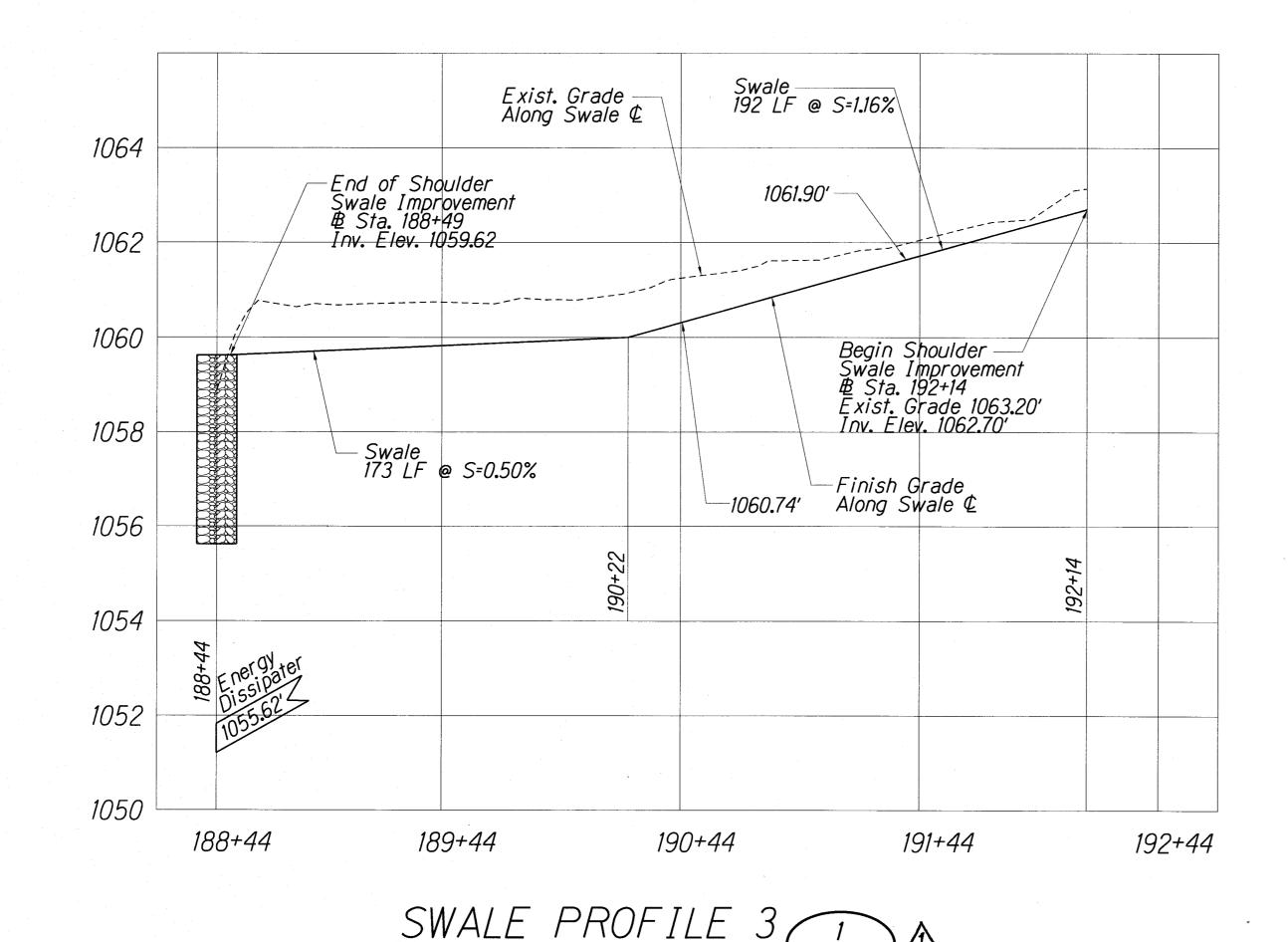


ADD. 9

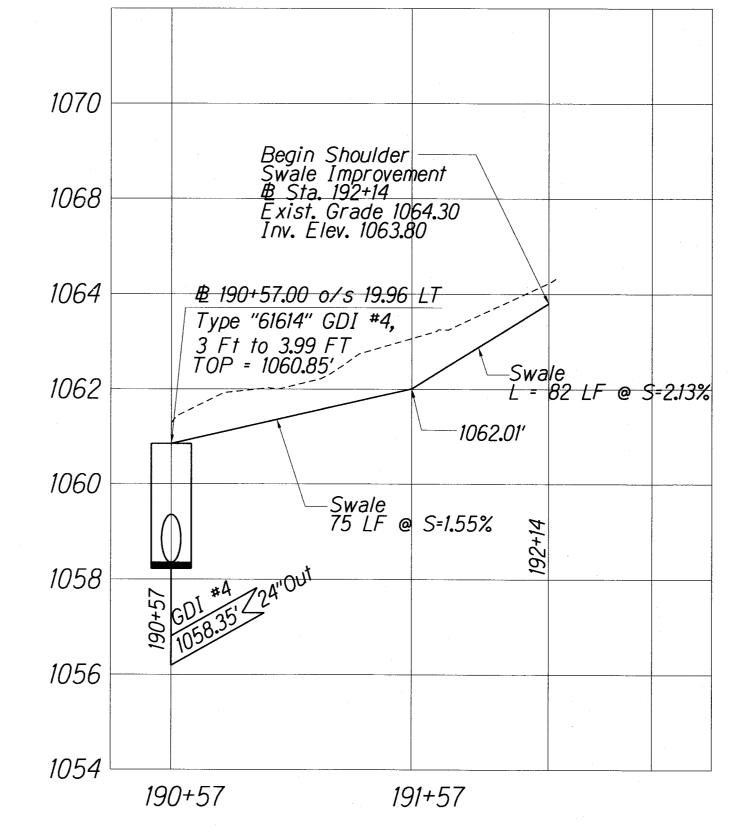








Scale: Horiz: 1"=40'-0" Vert: 1"=2'-0"



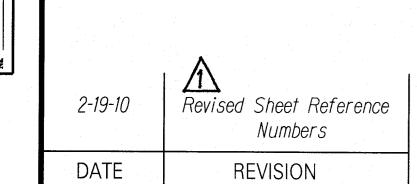
SWALE PROFILE 4 2
Scale: Horiz: 1"=40'-0"
Vert: 1"=2'-0"

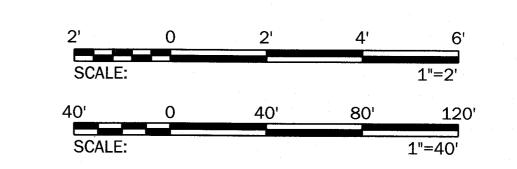
POFE ISIONAL ENGNEER

No. 8256-C

EXP. 4/30/10

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PROFILE - 3

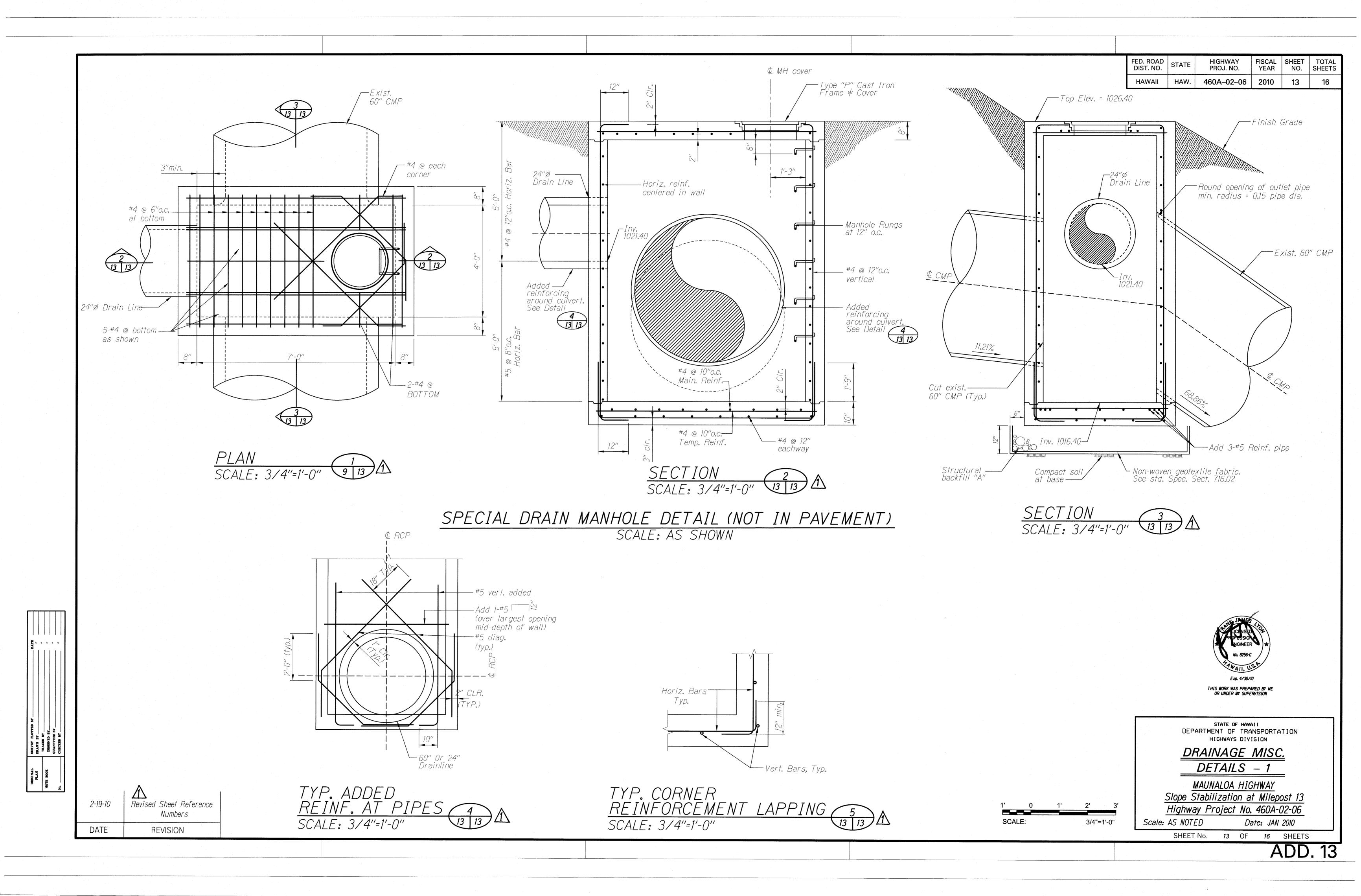
MAUNALOA HIGHWAY

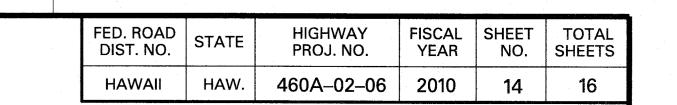
Slope Stabilization at Milepost 13

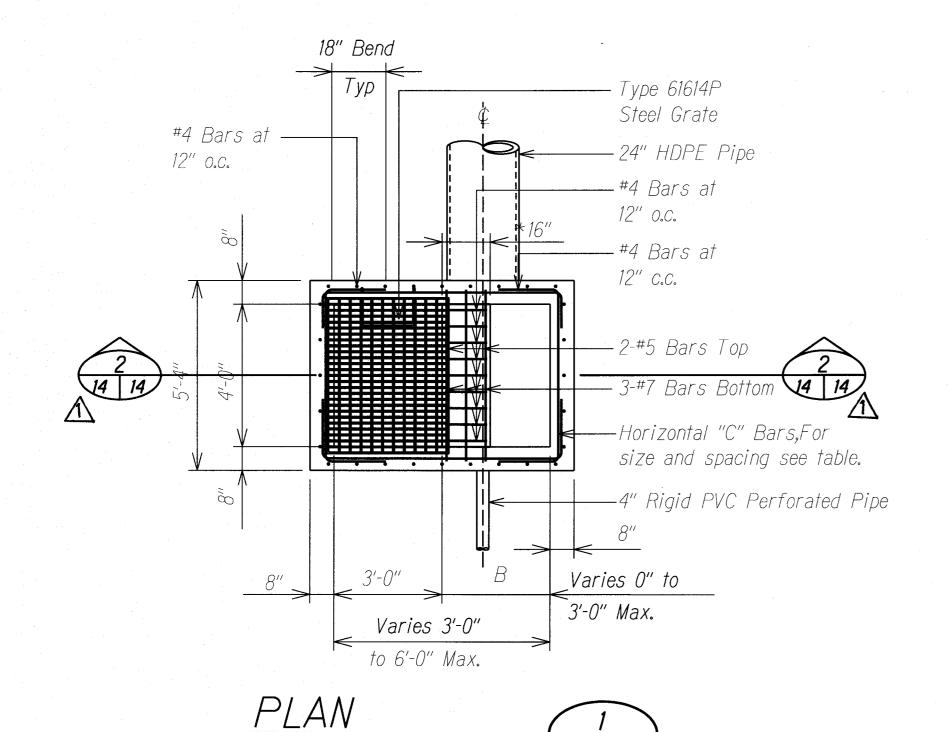
Highway Project No. 460A-02-06

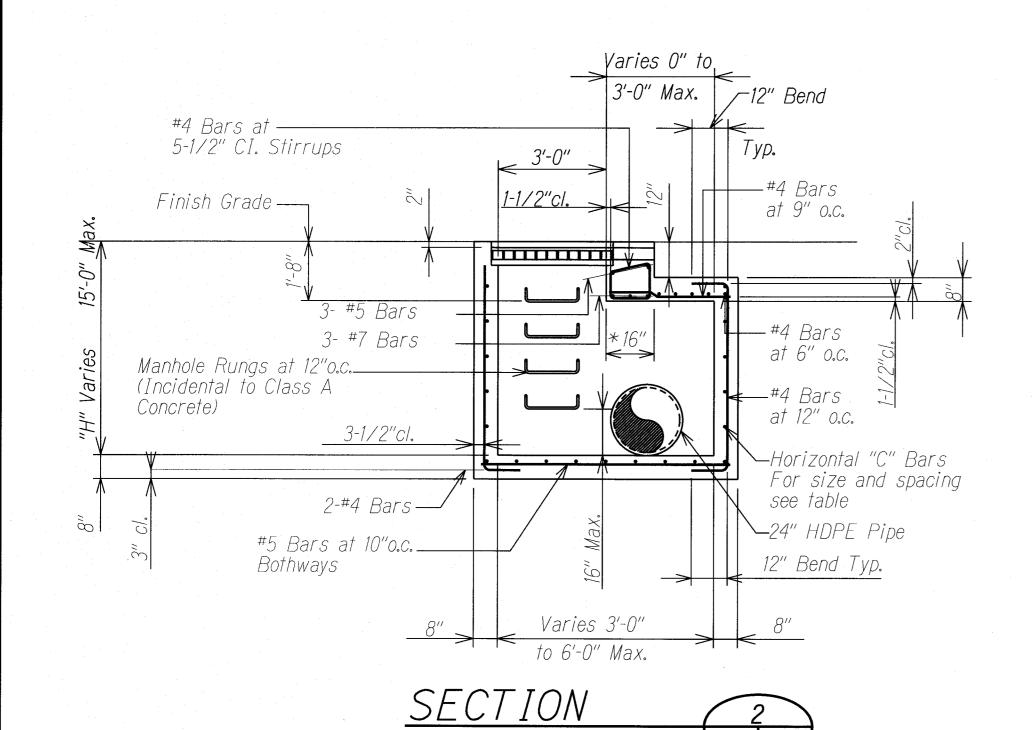
Scale: AS NOTED Date: JAN 2010

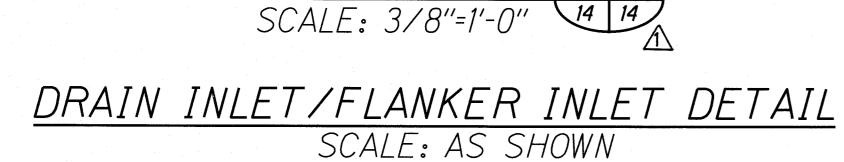
SHEET No. 12 OF 16 SHEETS
ADD. 12









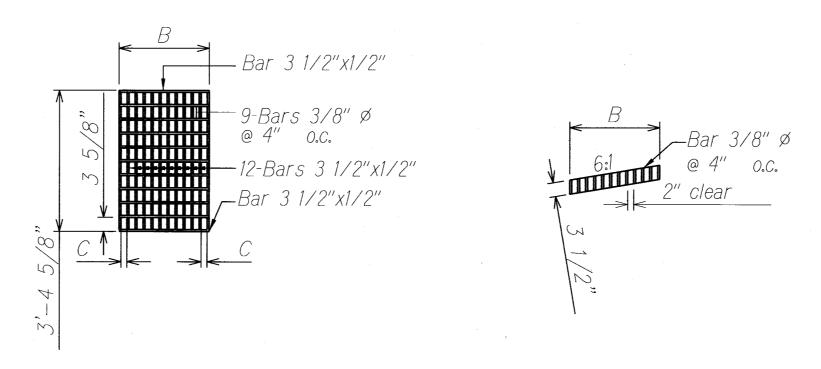


2-19-10	Revised Sheet Reference Numbers
DATE	REVISION

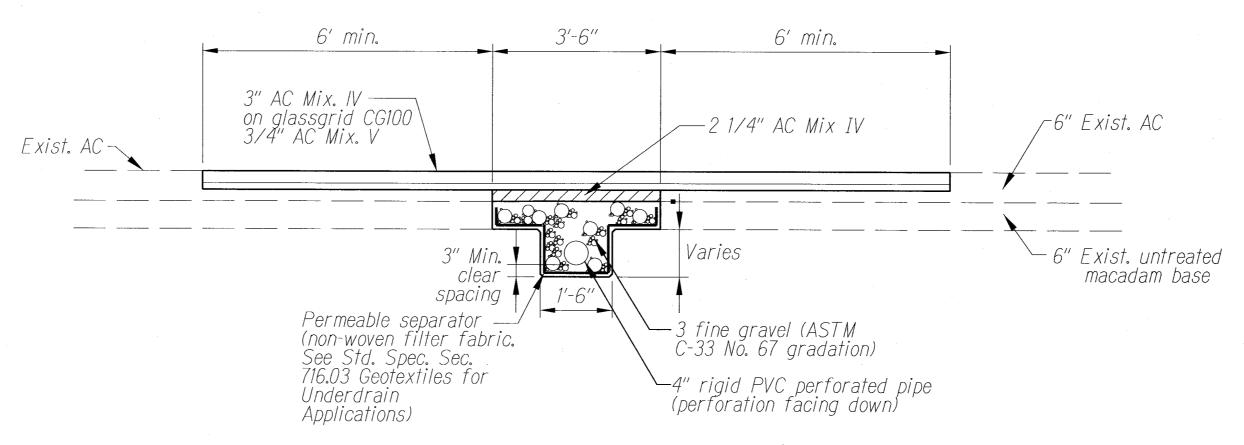
DIMENSIONS				
TYPE	NO. BARS	В	С	
61614P	12	1'-11 1/2"	. 2"	

GENERAL NOTES

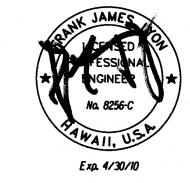
- 1. Steel frame details for grates shall be the steel frames shown on Standard Plan H-16.
- 2. Grates shal be hot dip galvanized after fabrication.
- 3. Use in locations off the road bed on all types of highways. (Pedestrian safe)











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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE MISC.

DETAILS - 2

MAUNALOA HIGHWAY

Slope Stabilization at Milepost 13

Highway Project No. 460A-02-06

Scale: AS NOTED

SHEET No. 14 OF 16 SHEETS

Date: JAN 2010

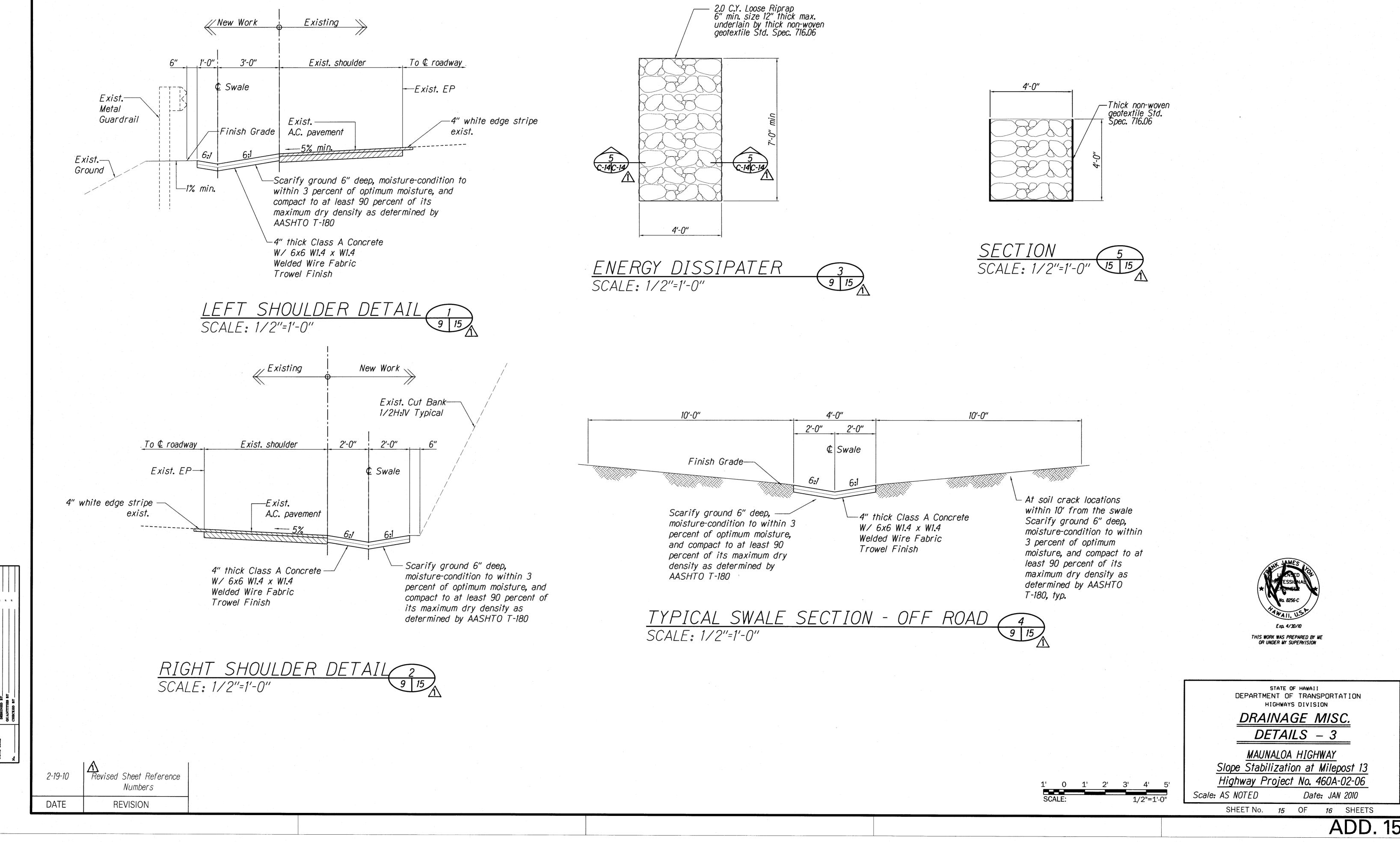
1' 0 2' 4' 6'

SCALE: 3/8"=1'-0"

1' 0 1' 2' 3' 4' 5'

SCALE: 1/2"=1'-0"

ADD. 14



ADD. 15

FISCAL SHEET YEAR NO.

15

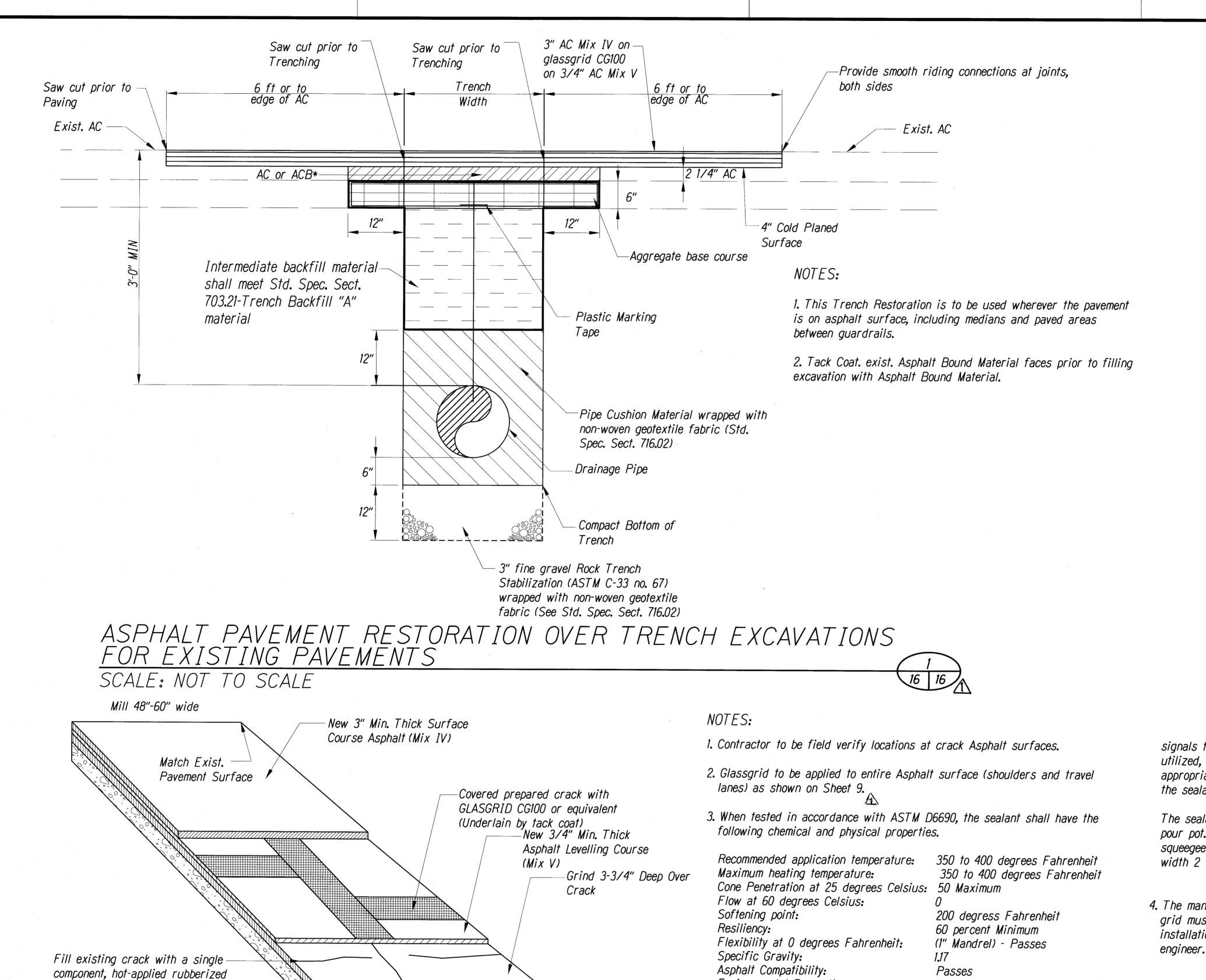
2010

TOTAL SHEETS

HIGHWAY PROJ. NO.

460A-02-06

FED. ROAD DIST. NO.



asphalt crack and joint sealant

Revised Sheet Reference

REVISION

Numbers

SURVEY PLOTTI

DRAWN BY

TRACED BY

DESIGNED SY

QUANTITIES BY

DATE

(crack master supreme or equivalent)

Remaining Existing

Surface and Base

Milling 3-3/4"

Course Asphalt After

DETAIL FOR

SCALE: NOT TO SCALE

ASPHALT CONCRETE PAVEMENT REPAIR 2

-Existing Granular Base

Environmental Properties:

Non-hazardous

Prior to placement of the crack sealant, the crack shall be cleaned with

compressed air to remove dust, loose aggregate, debris, and moisture. The

blocks of sealant shall be melted in a proper melting device to its application

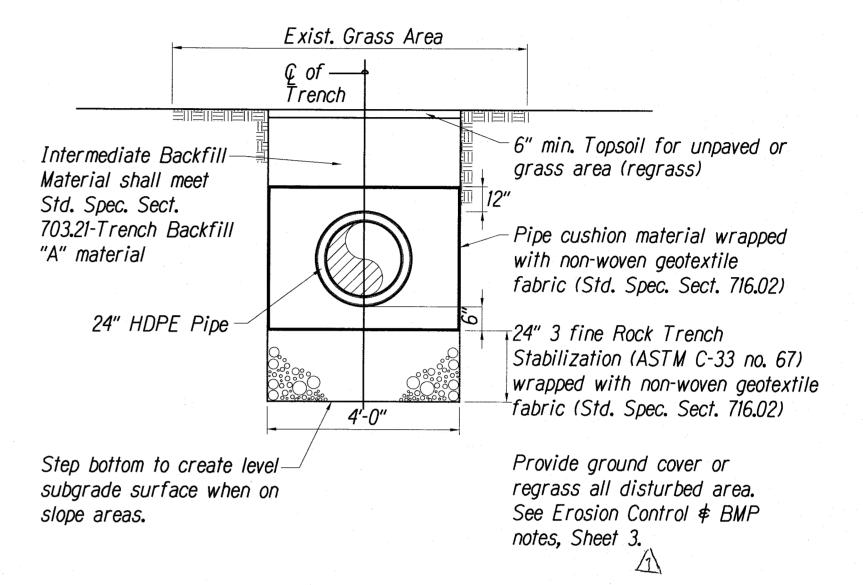
temperature of 350 to 400 degrees Fahrenheit. Once the sealant is heated, it

must be utilized, otherwise it must be properly disposed of, as it may not be

reheated. Overheating of the sealant shall be avoided as it could cause the material to gel. A significant viscosity increase accompanied by stringiness

FED. ROAD DIST. NO. STATE HIGHWAY PROJ. NO. FISCAL YEAR NO. SHEETS

HAWAII HAW. 460A-02-06 2010 16 16



TRENCH RESTORATION DETAIL WITHIN GRASSED AREAS
SCALE: NOT TO SCALE

16 16

signals the approach of gelation. If this occurs, the sealant shall not be utilized, and where this material was used, it shall be removed. All appropriate OSHA safety regulations shall be adhered to during the use of the sealant material.

The sealant shall be applied with either a pump and wand system or a pour pot. After pouring the sealant into the crack, a sealing shoe or squeegee shall be used to level the material and to create an application width 2 to 3 inches wide over the crack.

4. The manufacturer or local product supplier representative of the pavement grid must be present during the first day of installation. The manufacturer's installation guidelines shall be adhered to unless otherwise indicated by the engineer.

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POSESSIONAL
ENGINEER
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5. Crack sealing work shall not be paid for separately but shall be considered incindental to the various paving items.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE MISC.

DETAILS - 4

MAUNALOA HIGHWAY

Slope Stabilization at Milepost 13

Highway Project No. 460A-02-06

Scale: AS NOTED Date: JAN 2010

S NOTED Date: JAN 2010

SHEET No. 16 OF 16 SHEETS

ADD. 16