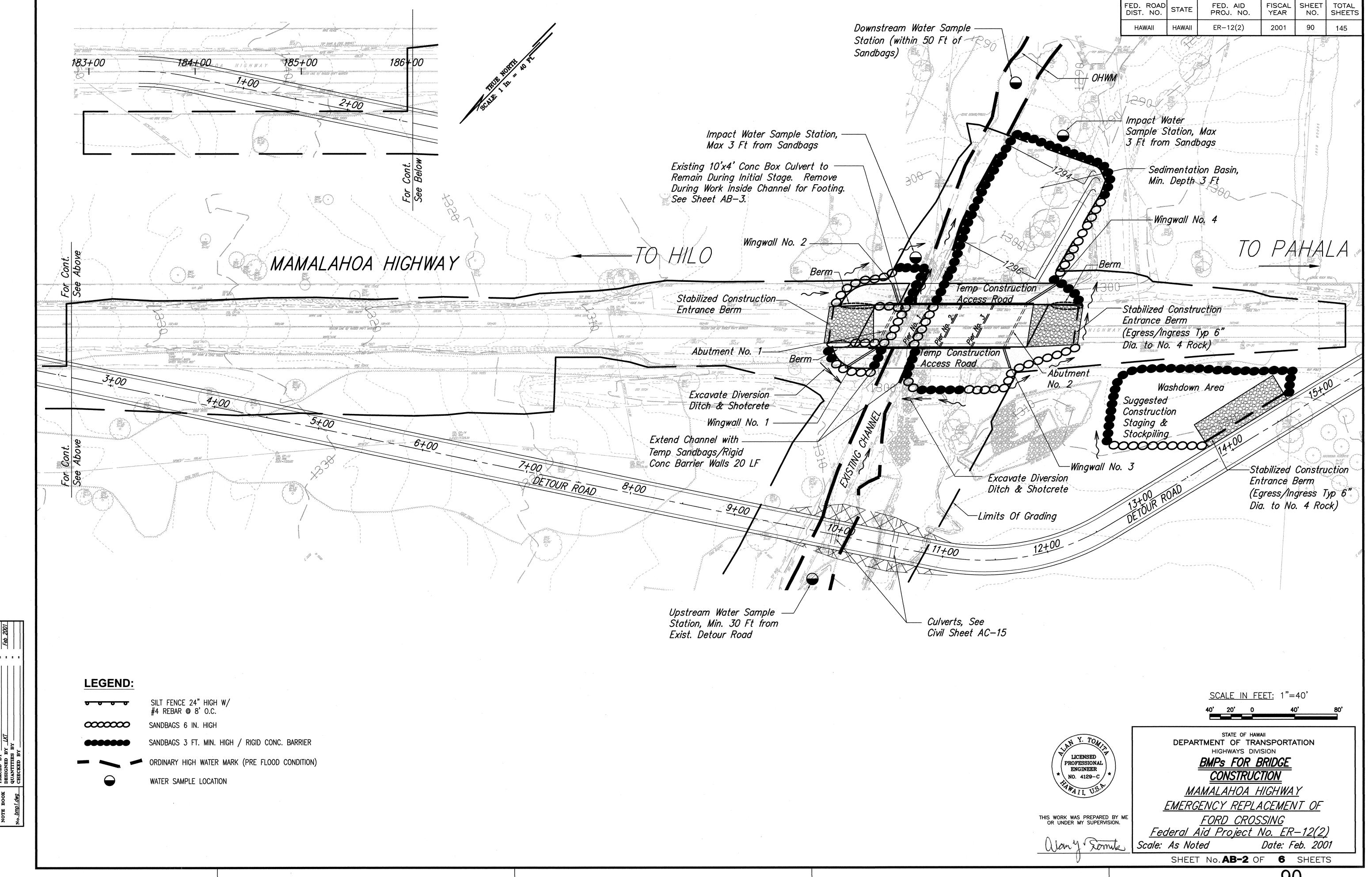
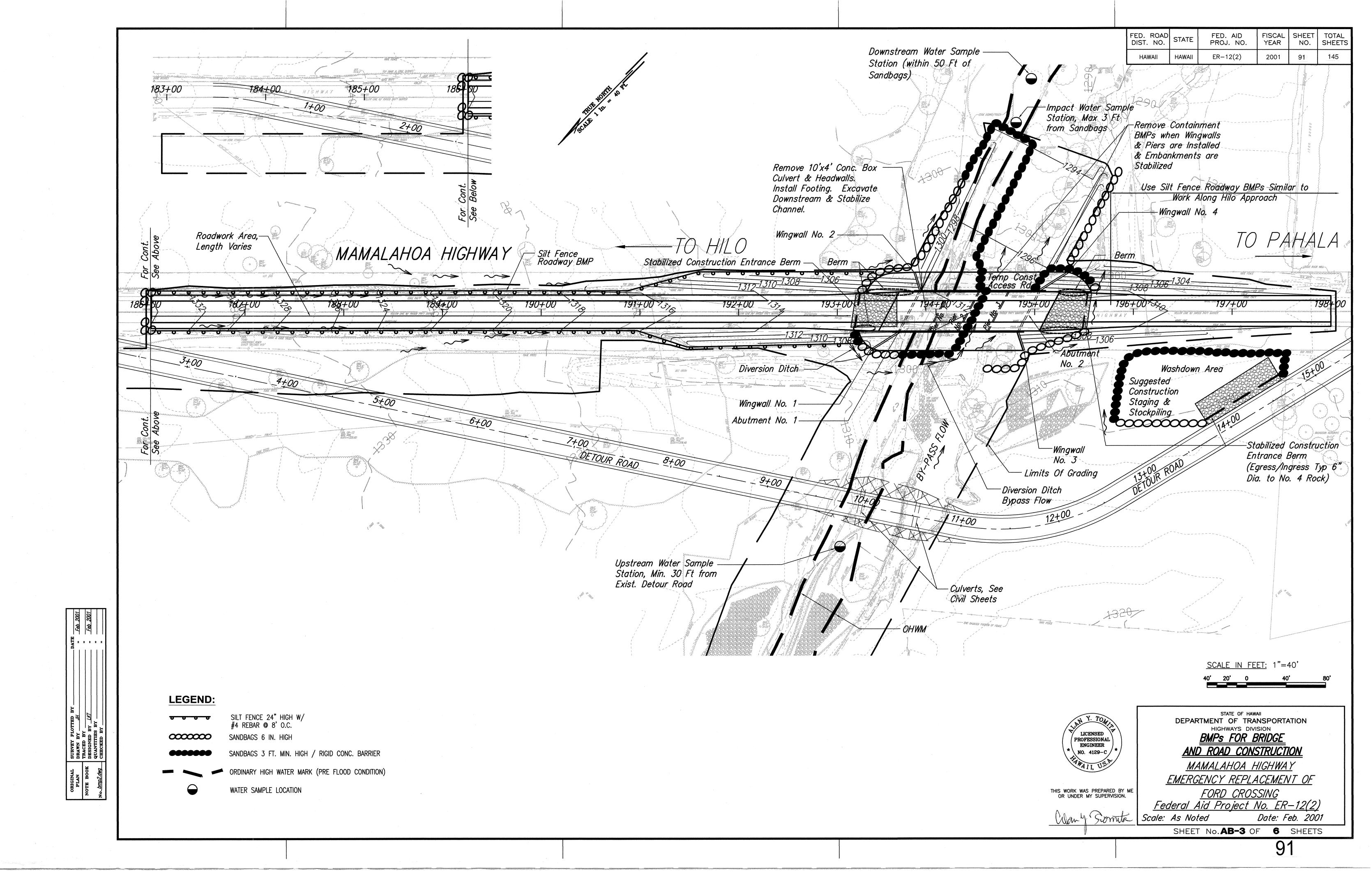
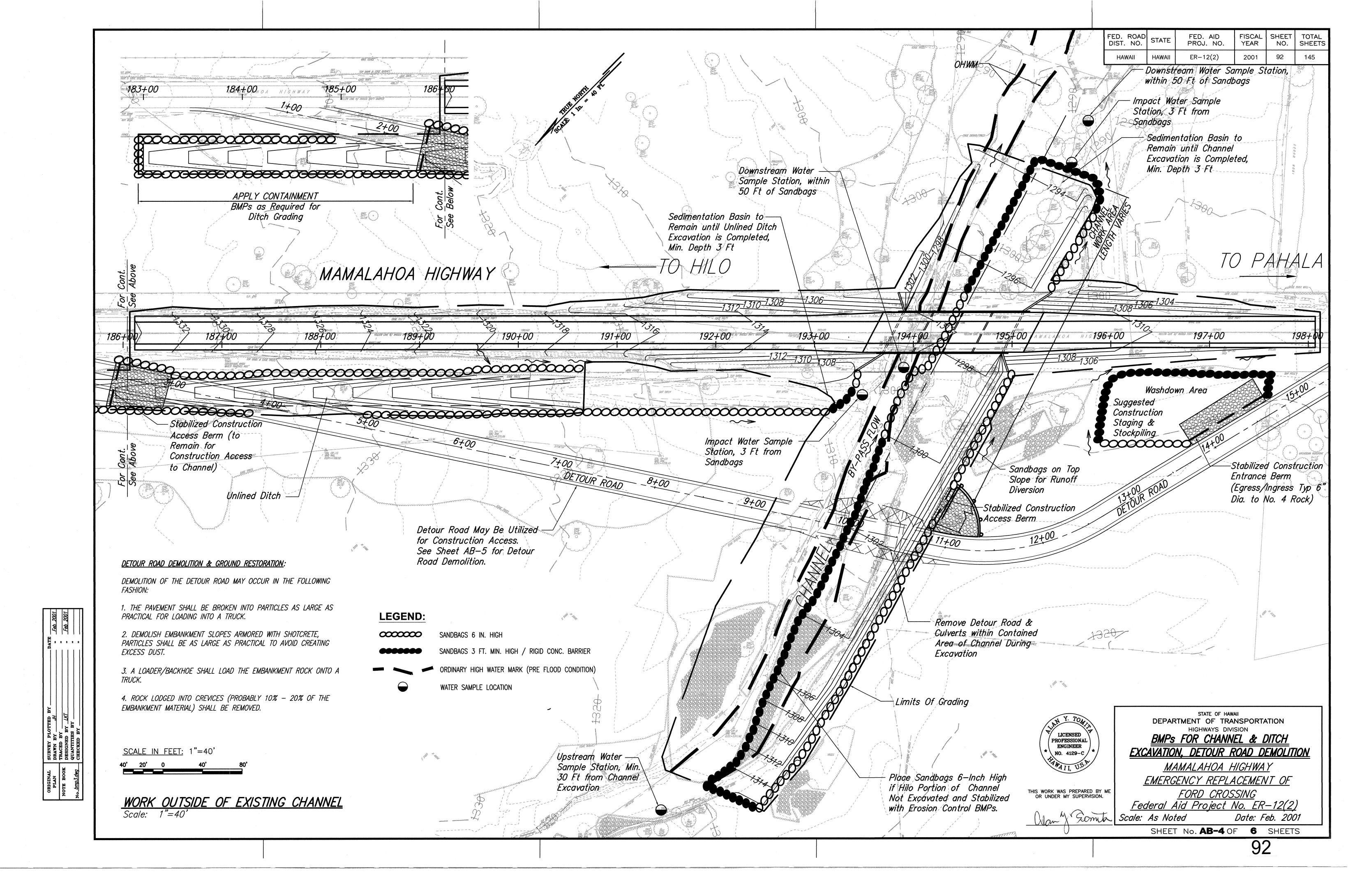


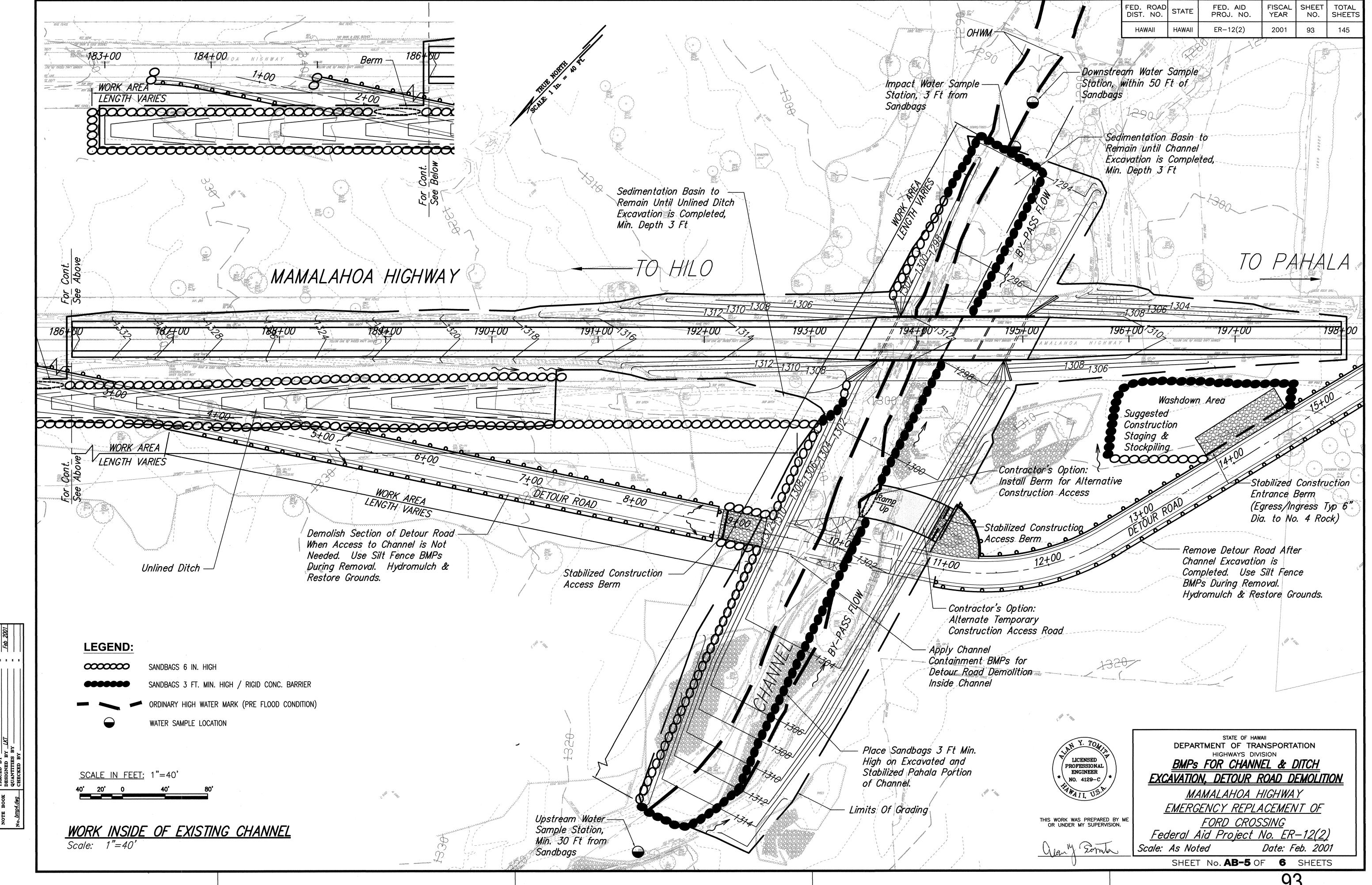
SURVEY PL
DRAWN BY
TRACED BY
DESIGNED 1
QUANTITIES

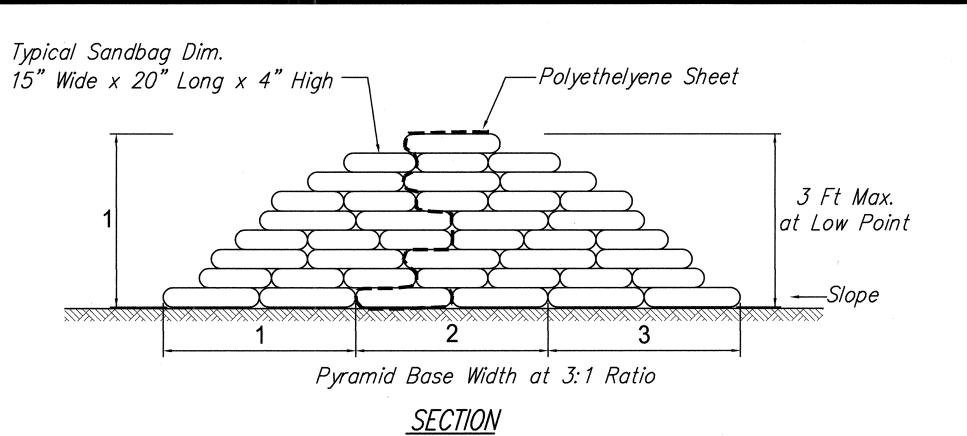
89







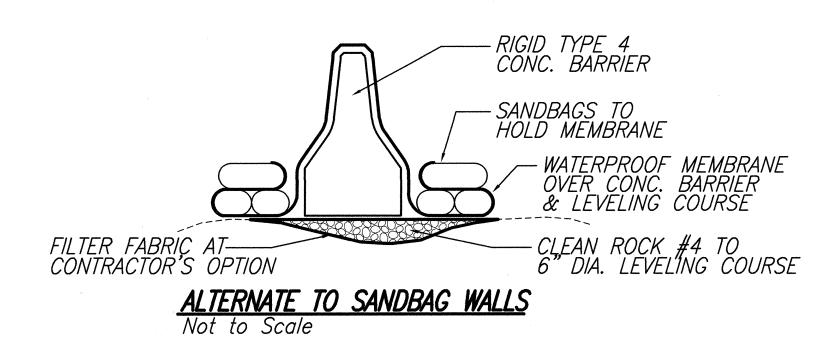


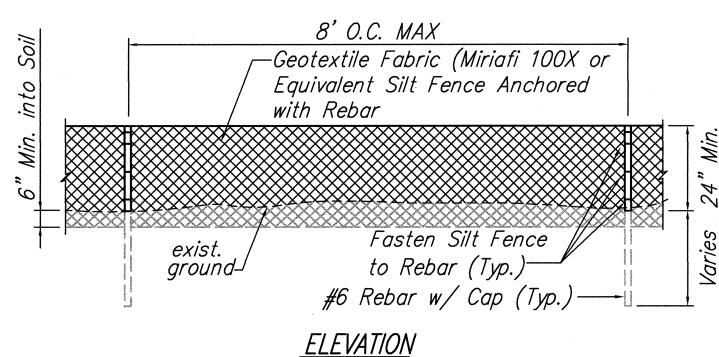


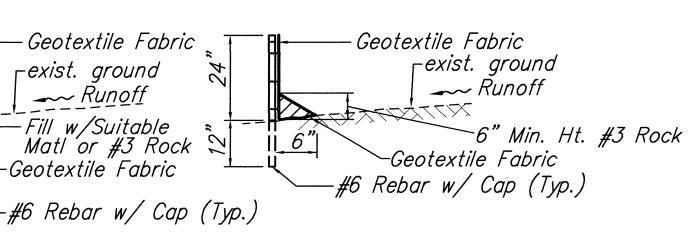
## NOTES:

- 1. STACK SANDBAGS SIMILAR TO AS SHOWN. STACK IN ALTERNATING DIRECTIONS.
- 2. STRIP VEGETATION AND DEBRIS BEFORE LAYING SANDBAGS.
- MATERIALS REQUIRED FOR 100 LF HEIGHT SANDBAGS REQ'D TONS OF SAND 15 Tons 53 Tons 1,260 116 Tons 2,780
- 3. SANDBAGS SHOULD BE FILLED ONE-HALF TO TWO-THIRDS FULL.
- 4. PLACE THE SUCCEEDING BAGS ON THE UNFILLED OR TIED PORTION OF THE PREVIOUSLY LAYED BAGS AND TAMP INTO PLACE TO ELIMINATE VOIDS AND FORM A TIGHT SEAL.
- 5. STAGGER THE JOINTS WHEN MULTIPLE LAYERS ARE LAID AND STACK SANDBAGS IN A PYRAMID FORMATION.
- 6. CONSTRUCT THE SANDBAG WALL BASE WIDTH THREE TIMES THE SANDBAG WALL HEIGHT.

# SANDBAG WALL SECTION







SECTION FOR ROCK

SECTION FOR SOIL/ASH

SILT FENCE DETAIL
Not To Scale

Conc. Curbstop — Length as Needed As Needed -Filter Rock as Needed 6" Dia. Max to #4 Min See Note 2 6" Min. Ht. See Note

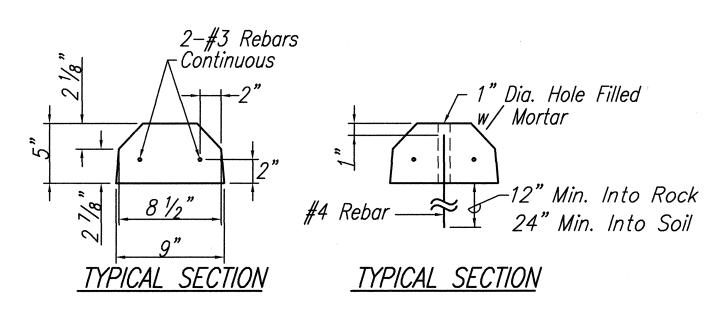
## BERM ON ROCK OR AC SURFACE

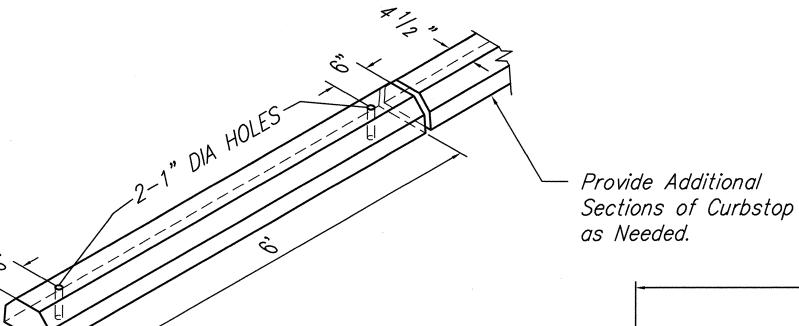
### NOTES:

1. MAINTAIN OFFSITE FLOW DIVERSION ACROSS ENTRANCE.

2. FILTER ROCK SHALL BE MAINTAINED AGAINST AGGREGATE LOSS, RUTTING AND TRACKED SOIL DEPOSIT.

# TYPICAL BERM Not To Scale

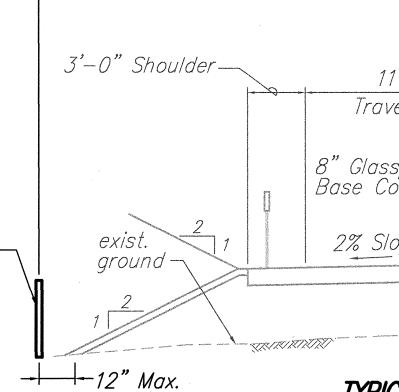


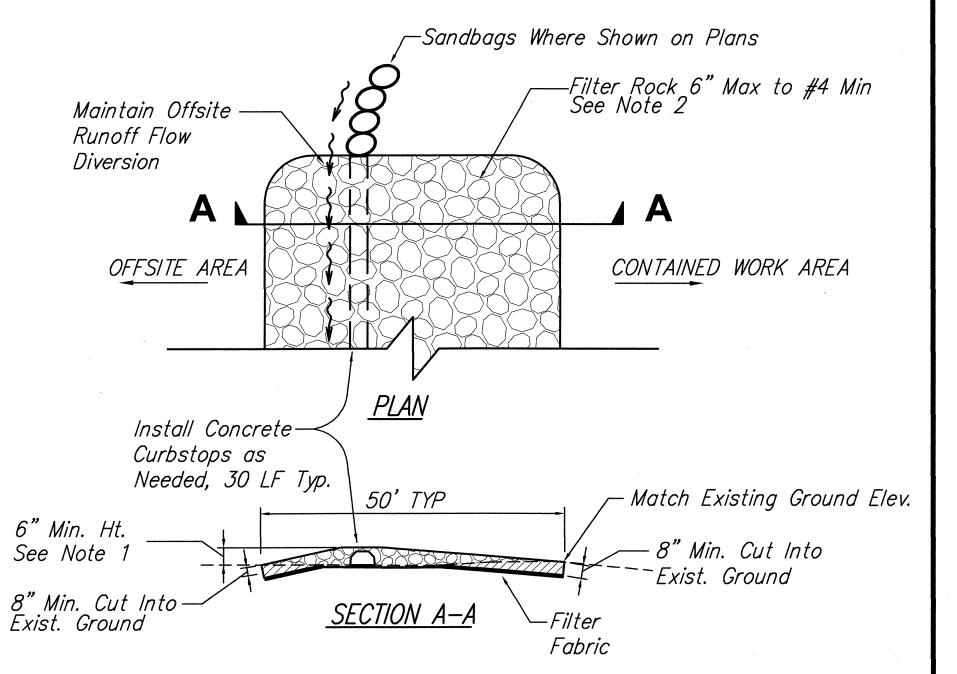


CONCRETE CURBSTOP DETAIL

Not to Scale

Silt Fence





FED. ROAD DIST. NO.

HAWAII

HAWAII

FISCAL SHEET YEAR NO.

2001

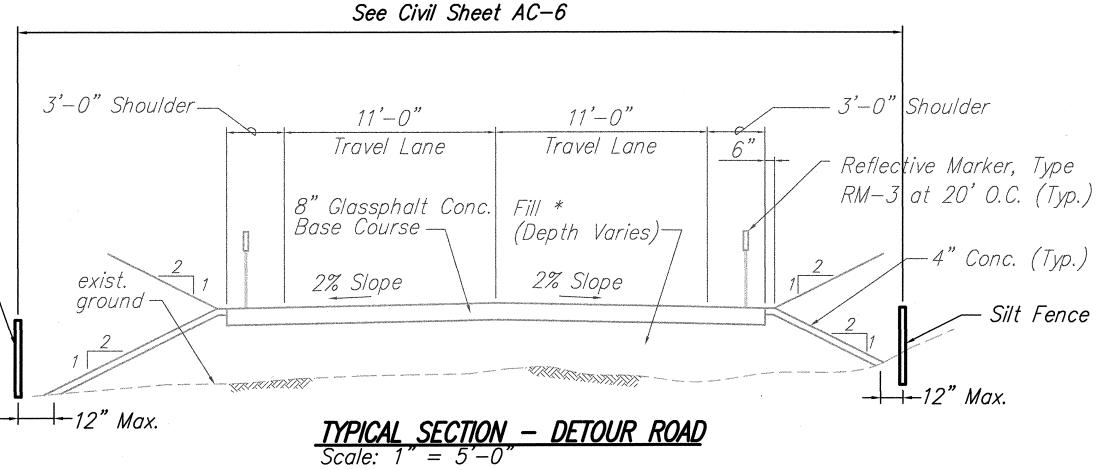
FED. AID PROJ. NO.

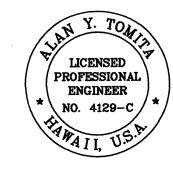
ER-12(2)

1. MAINTAIN OFFSITE FLOW DIVERSION ACROSS ENTRANCE.

2. FILTER ROCK SHALL BE MAINTAINED AGAINST AGGREGATE LOSS, RUTTING AND TRACKED SOIL DEPOSIT.

### STABILIZED CONSTRUCTION ENTRANCE BERM Not To Scale





THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. My Some

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION

# BMP DETAILS

MAMALAHOA HIGHWAY EMERGENCY REPLACEMENT OF

FORD CROSSING Federal Aid Project No. ER-12(2)

Scale: As Noted Date: Feb. 2001 SHEET No. AB-6 OF 6 SHEETS

