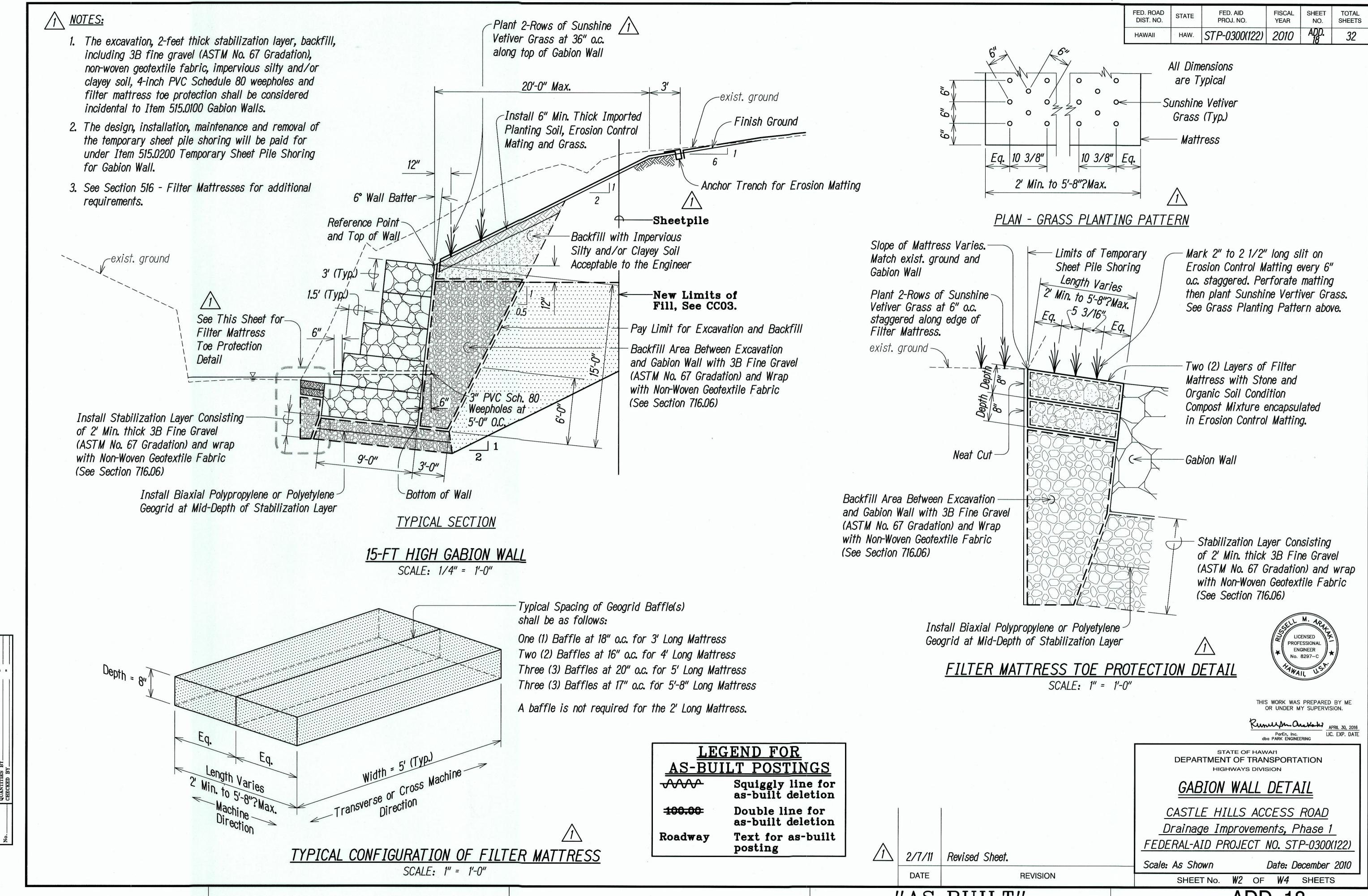


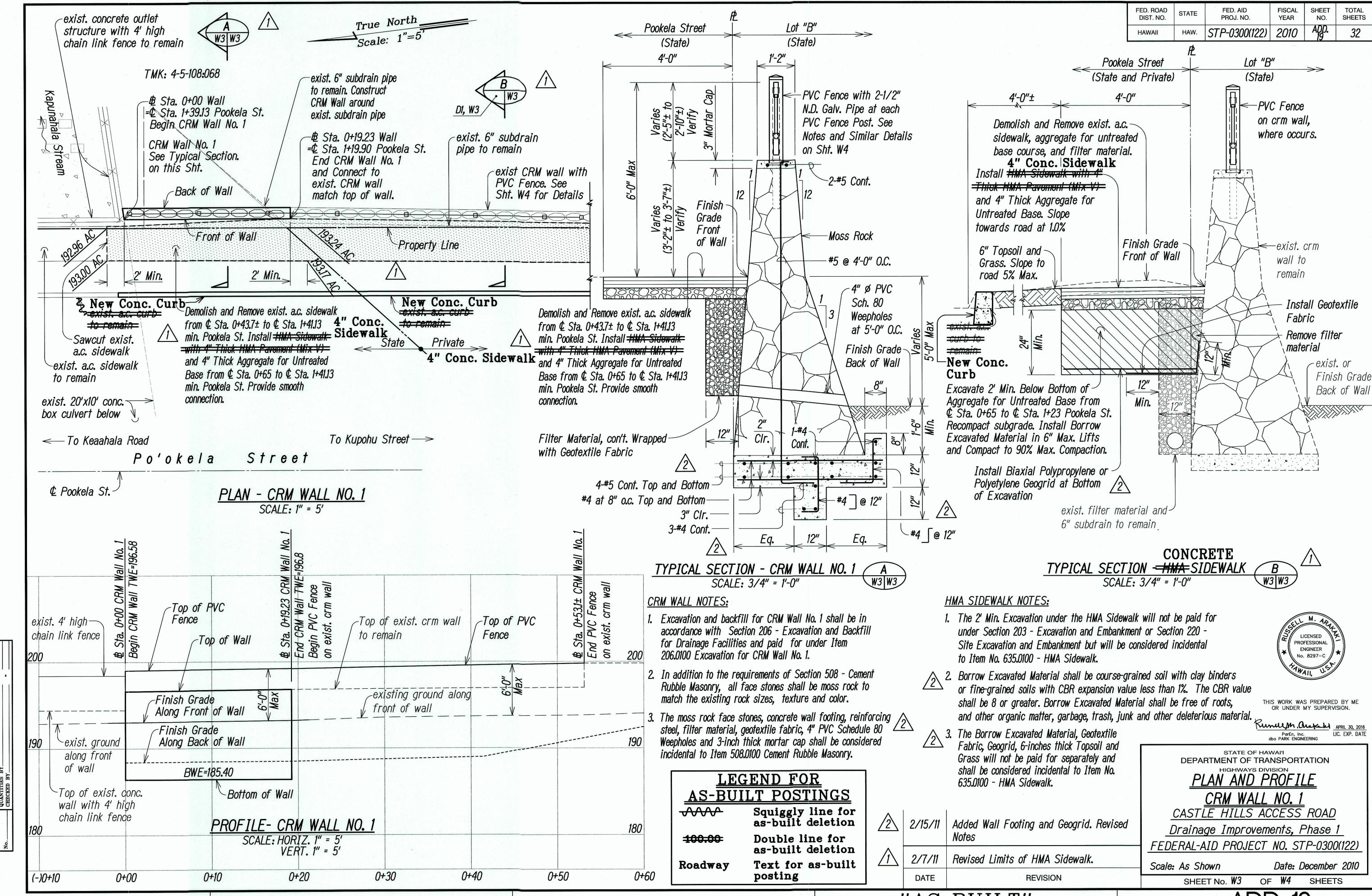
"AS-BUILT"

ADD. 17



"AS-BUILT"

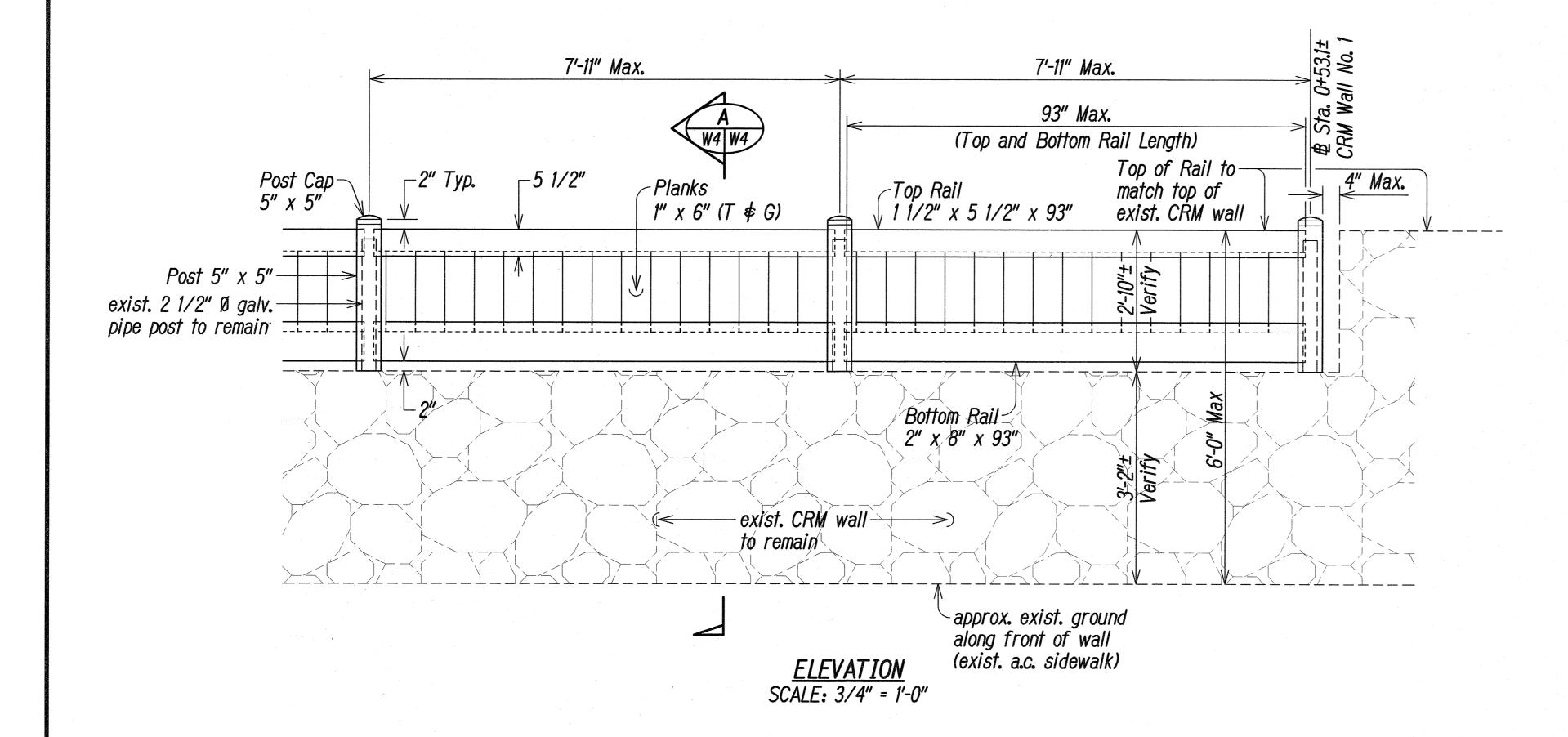
ADD. 18

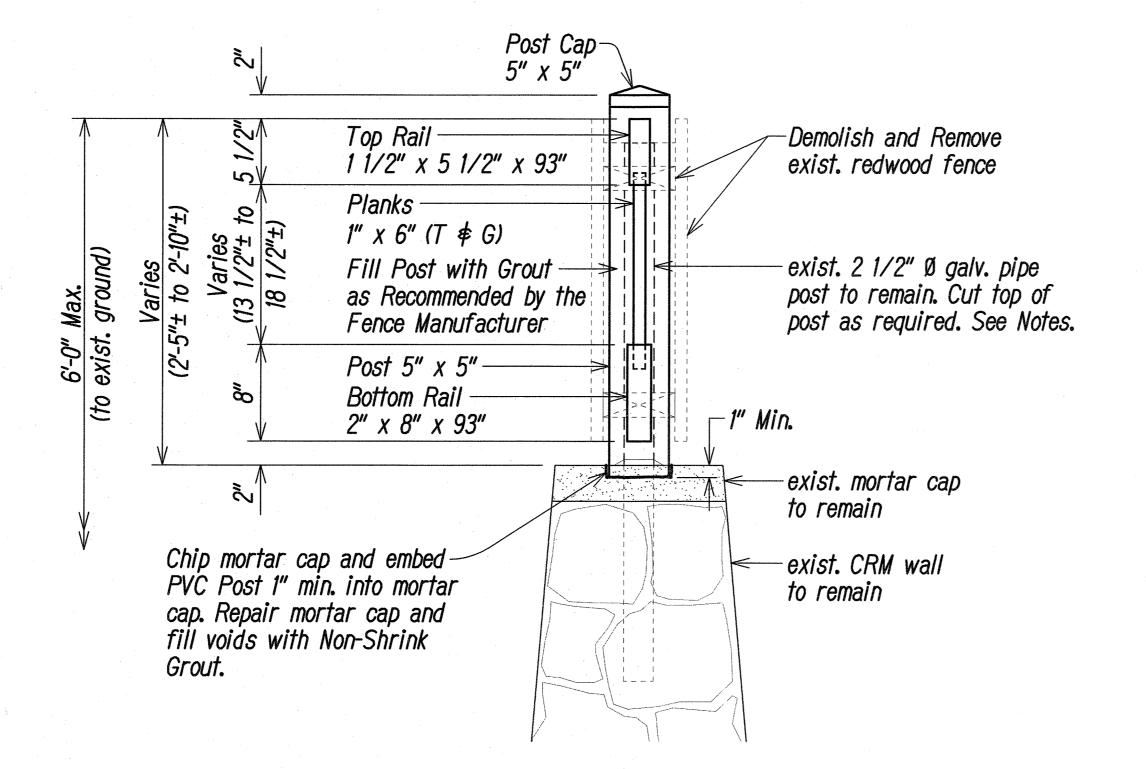


"AS-BUILT"

ADD. 19

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0300(122)	2010	20	32



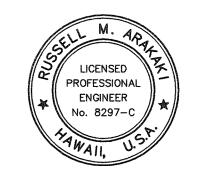


SECTION SCALE: 1 1/2" = 1'-0"

PVC FENCE ON EXISTING CRM WALL

Notes:

- 1. The Contractor shall remove the existing 2 1/2" galvanized pipe post(s) as required if the maximum post spacing for the PVC fence is exceeded. Cut the existing 2 1/2" galvanized pipe 1" min. below the existing mortar cap. Fill the remaining embedded pipe and repair the mortar cap with non-shrink grout.
- 2. Core the existing CRM wall to a depth of 18-inches and Install a New 2-1/2" Nominal Diameter x 3'-6" Long Galvanized Pipe at the locations of the New PVC Fence Posts. Install non-shrink grout between the pipe and the hole.
- 3. All labor, materials and equipment necessary to remove the existing pipe posts and install the new pipe posts, including but not limited to cutting the existing pipe, filling the remaining embedded pipe and repairing the mortar cap, coring, 2" Nominal Diameter x 3'-6" Long Galvanized Pipe, and installing grout will not be paid for separately but shall be considered incidental to Item No. 609.2030 - PVC Fence on CRM Wall.



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Paren, Inc.

dba PARK ENGINEERING

APRIL 30, 2012

LIC. EXP. DATE

DEPARTMENT OF TRANSPORTATION CRM WALL AND PVC FENCE DETAILS CASTLE HILLS ACCESS ROAD

STATE OF HAWAI'I

Drainage Improvements, Phase FEDERAL-AID PROJECT NO. STP-0300(122)

Scale: As Shown

Date: December 2010

SHEET No. W4 OF W4 SHEETS