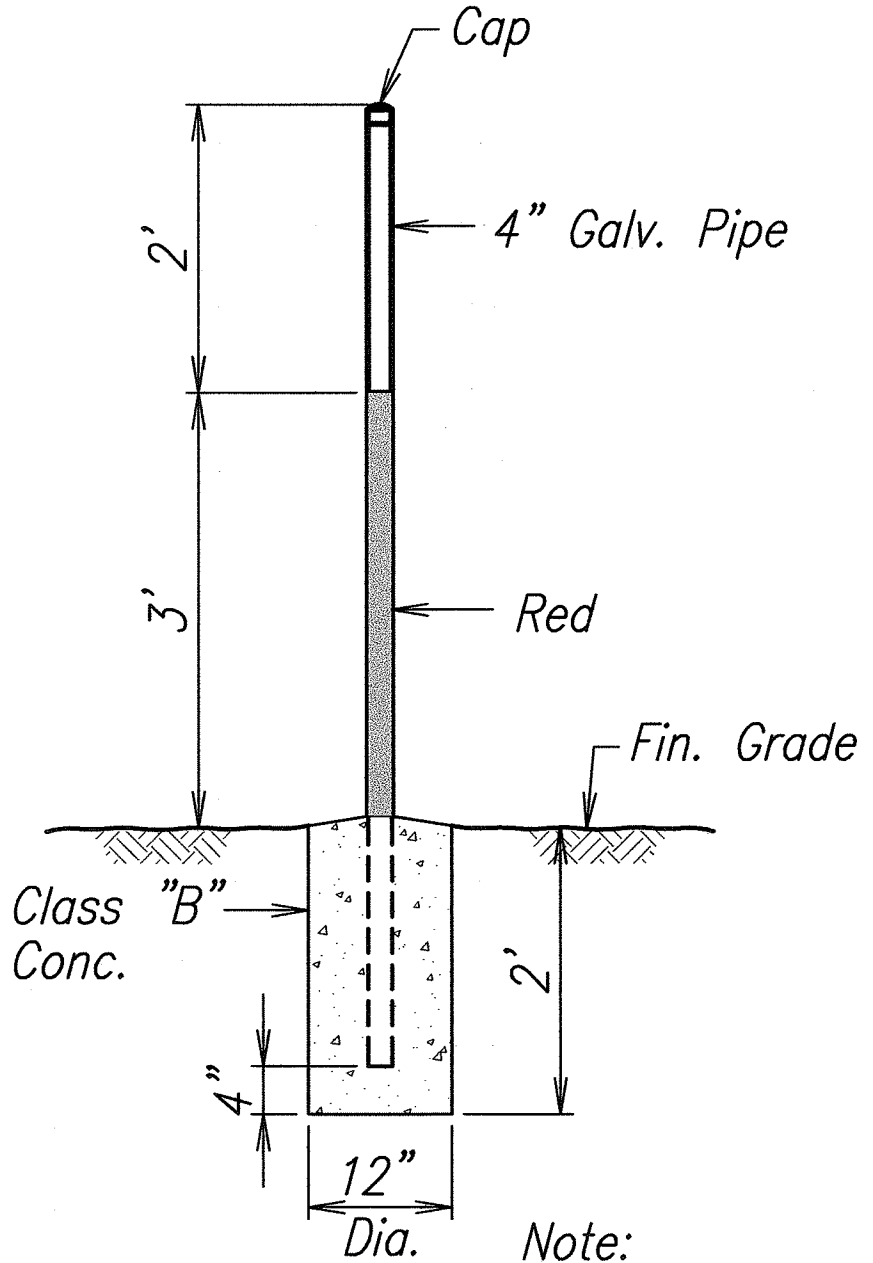


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-0380(10)	2013	ADD. 44	166



Note:
Two (2) Required
At Locations
Shown On Plan

SILTATION MONITORING STATION
SCALE: 3/4"=1'-0"

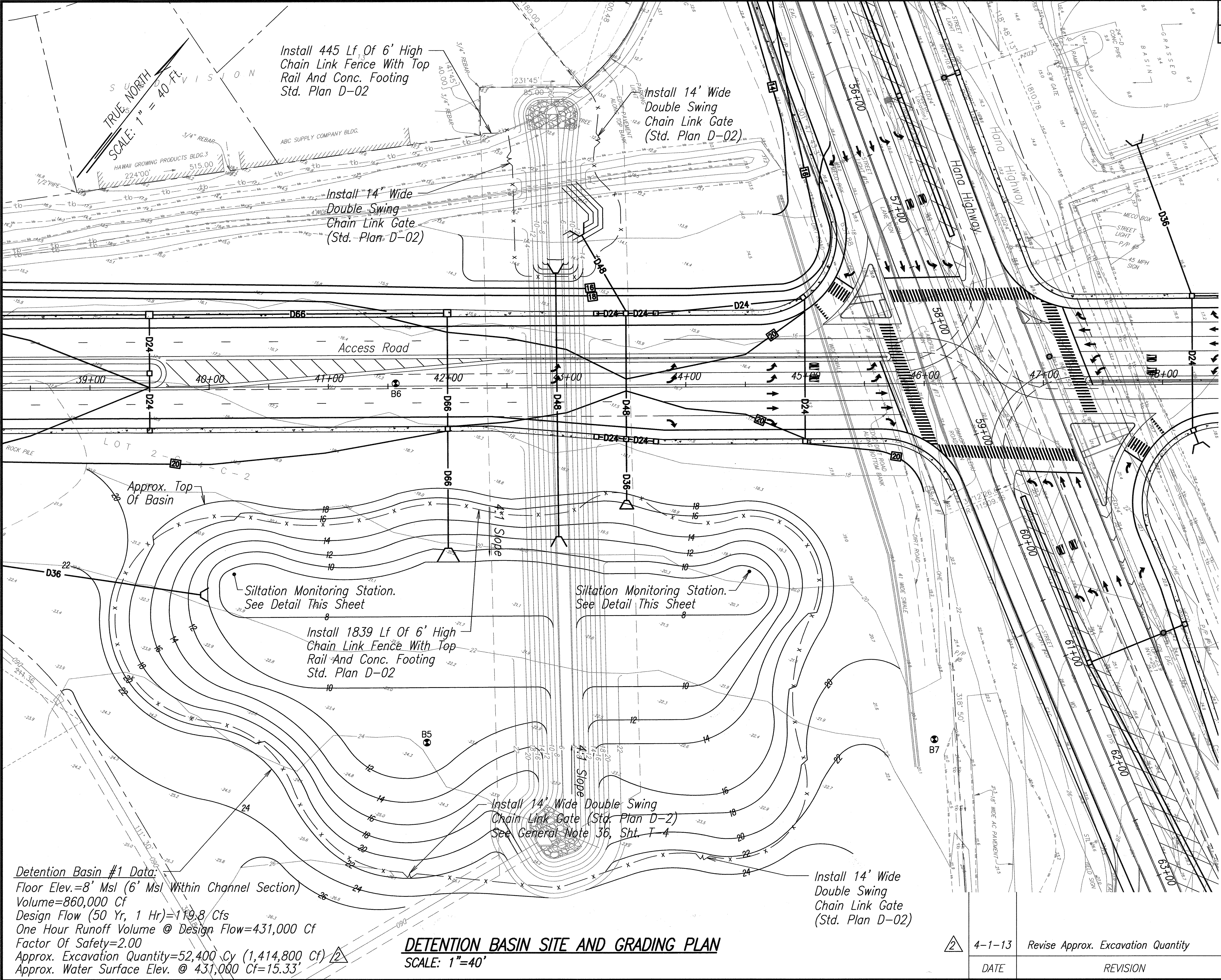


THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.

[Signature]
FURUNAGA & ASSOCIATES, INC. LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**DETENTION BASIN
SITE AND GRADING PLAN**

**KAHULUI AIRPORT
ACCESS ROAD, PHASE I**
Federal Aid Project No. NH-0380(10)
Scale: As Shown Date: February 2013
SHEET No. C-31 OF 93 SHEETS



Detention Basin #1 Data:
Floor Elev.=8' Msl (6' Msl Within Channel Section)
Volume=860,000 Cf
Design Flow (50 Yr, 1 Hr)=179.8 Cfs
One Hour Runoff Volume @ Design Flow=431,000 Cf
Factor Of Safety=2.00
Approx. Excavation Quantity=52,400 Cy (1,414,800 Cf)
Approx. Water Surface Elev. @ 431,000 Cf=15.33'

DETENTION BASIN SITE AND GRADING PLAN
SCALE: 1"=40'

DATE	REVISION
4-1-13	Revise Approx. Excavation Quantity