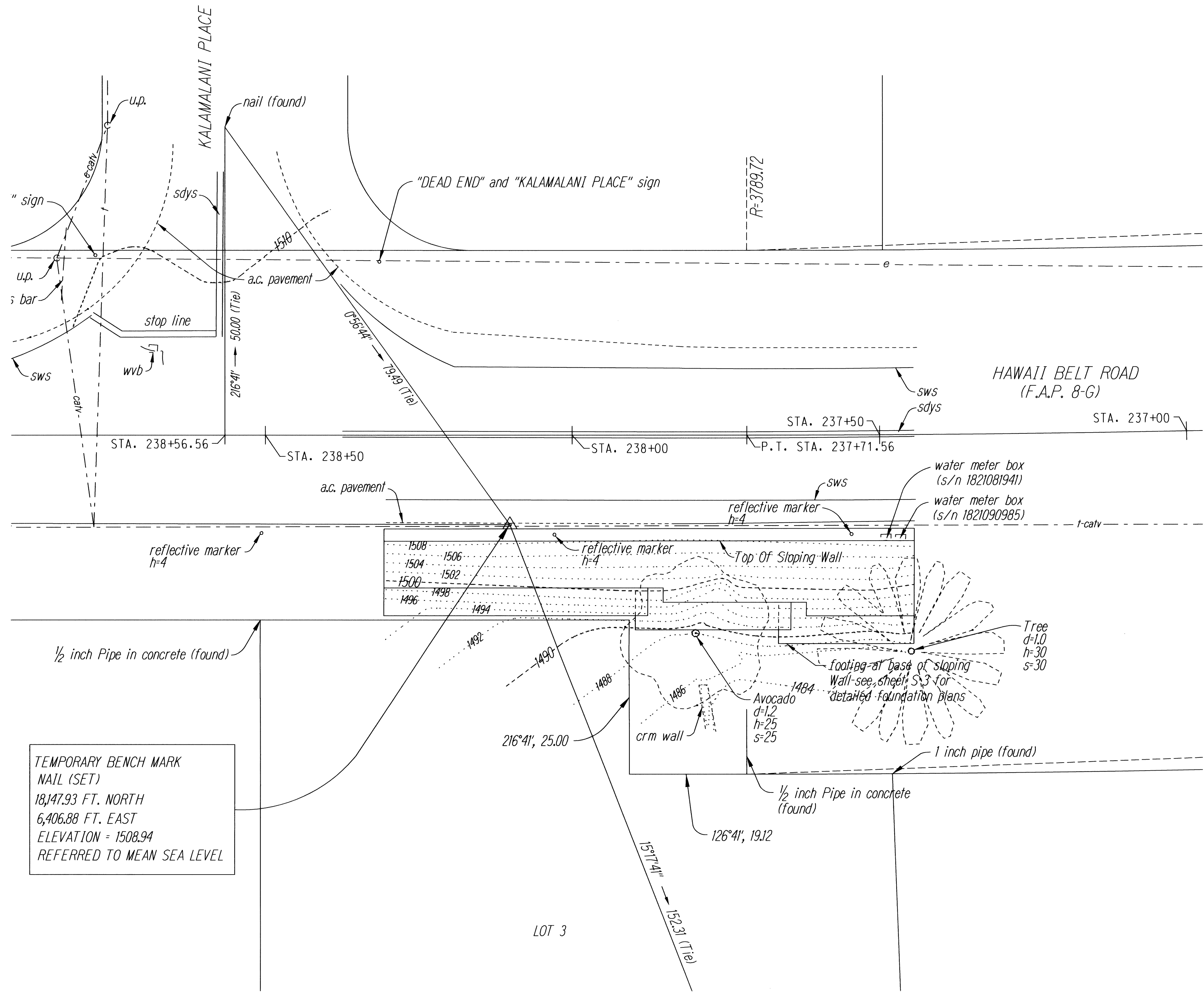


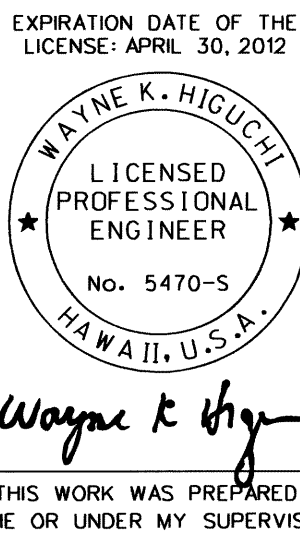
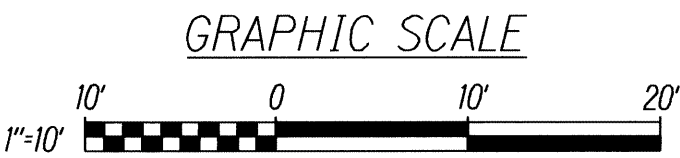
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-15(20)	2010	23	33



FOUNDATION PLAN AT MP 108.8
Scale: 1" = 10'-0"

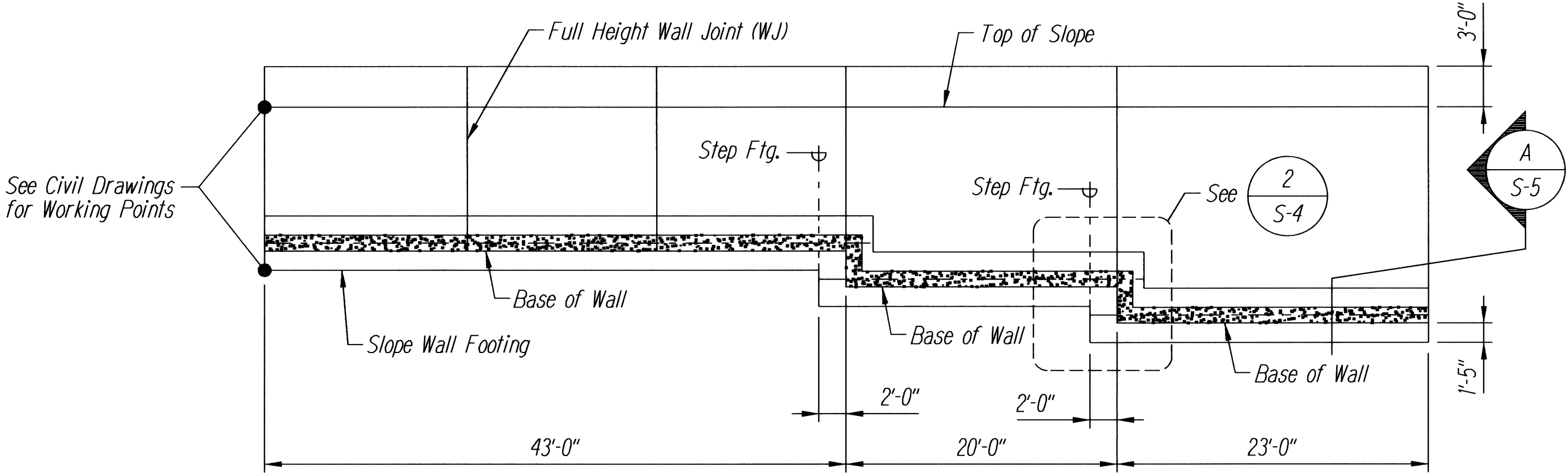
SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

ORIGINAL PLAN	No. 23
NOTE BOOK	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

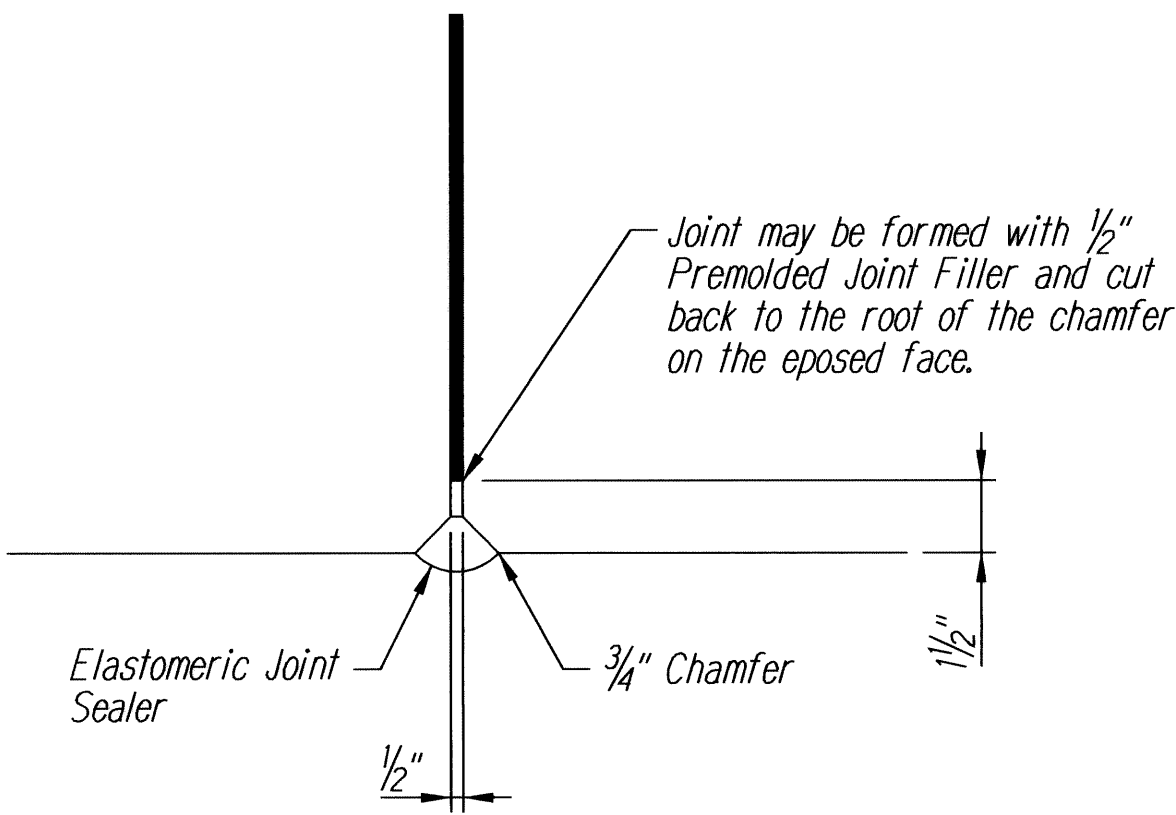


STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
FOUNDATION PLAN AT MP 108.8
EMERGENCY EARTHQUAKE
ROCKFALL REPAIRS
VARIOUS LOCATIONS ON HAWAII, UNIT 2
FEDERAL AID PROJECT NO. ER-15(20)
Scale: As Noted Date: November 2010
SHEET No. S-2 OF 33 SHEETS

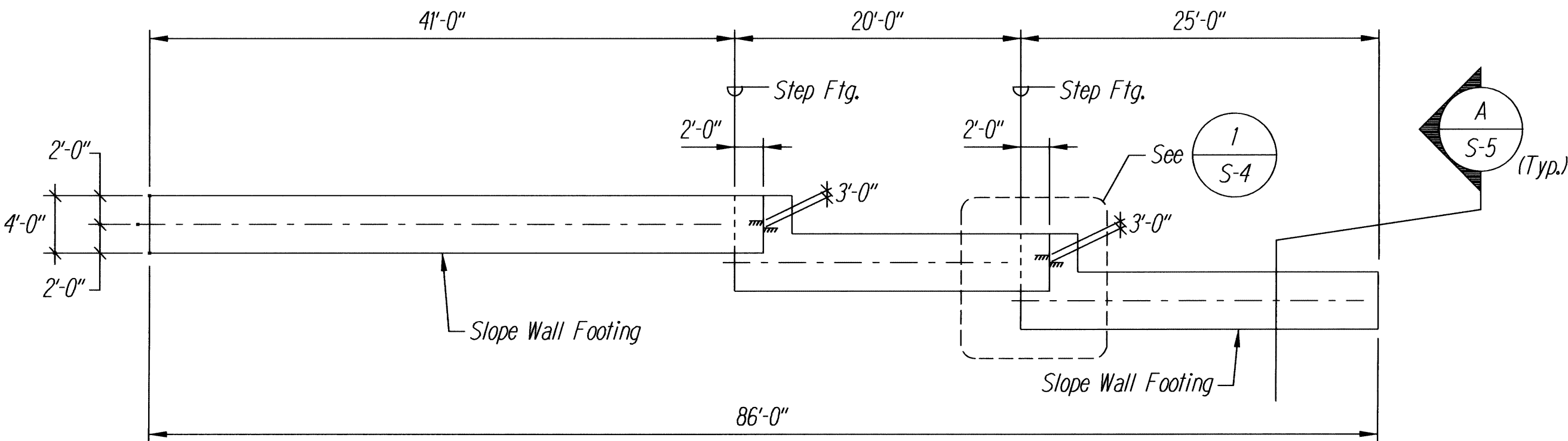
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-15(20)	2010	24	33



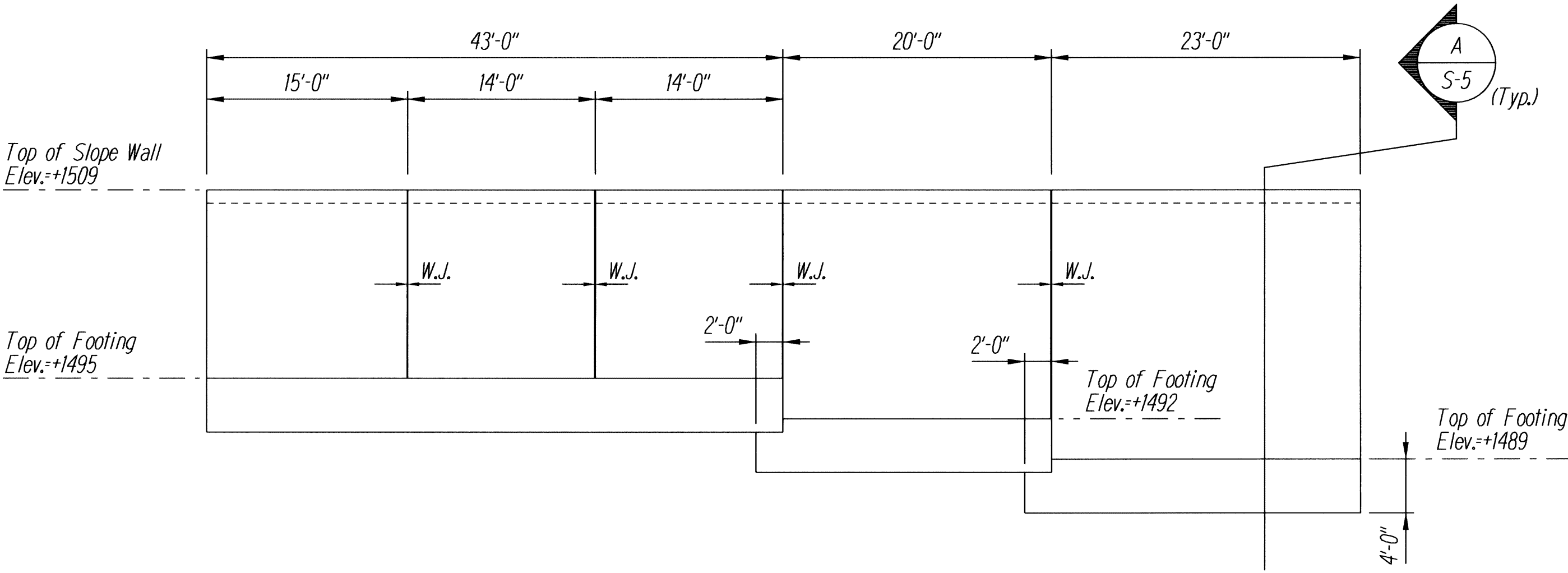
BASE OF WALL PLAN
Scale: 1/8" = 1'-0"



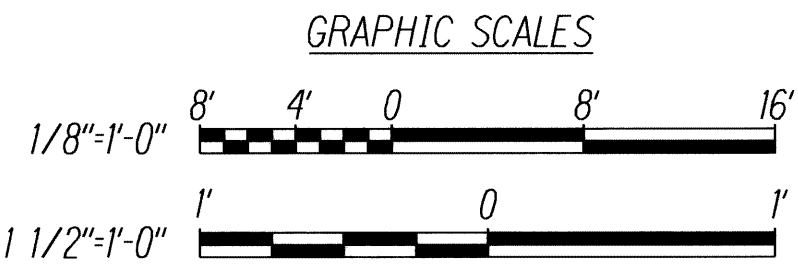
A
S-3
WALL CONTROL JOINT (WJ) DETAIL
Not to Scale



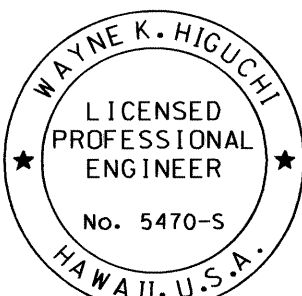
FOUNDATION PLAN
Scale: 1/8" = 1'-0"



WALL ELEVATION
Scale: 1/8" = 1'-0"



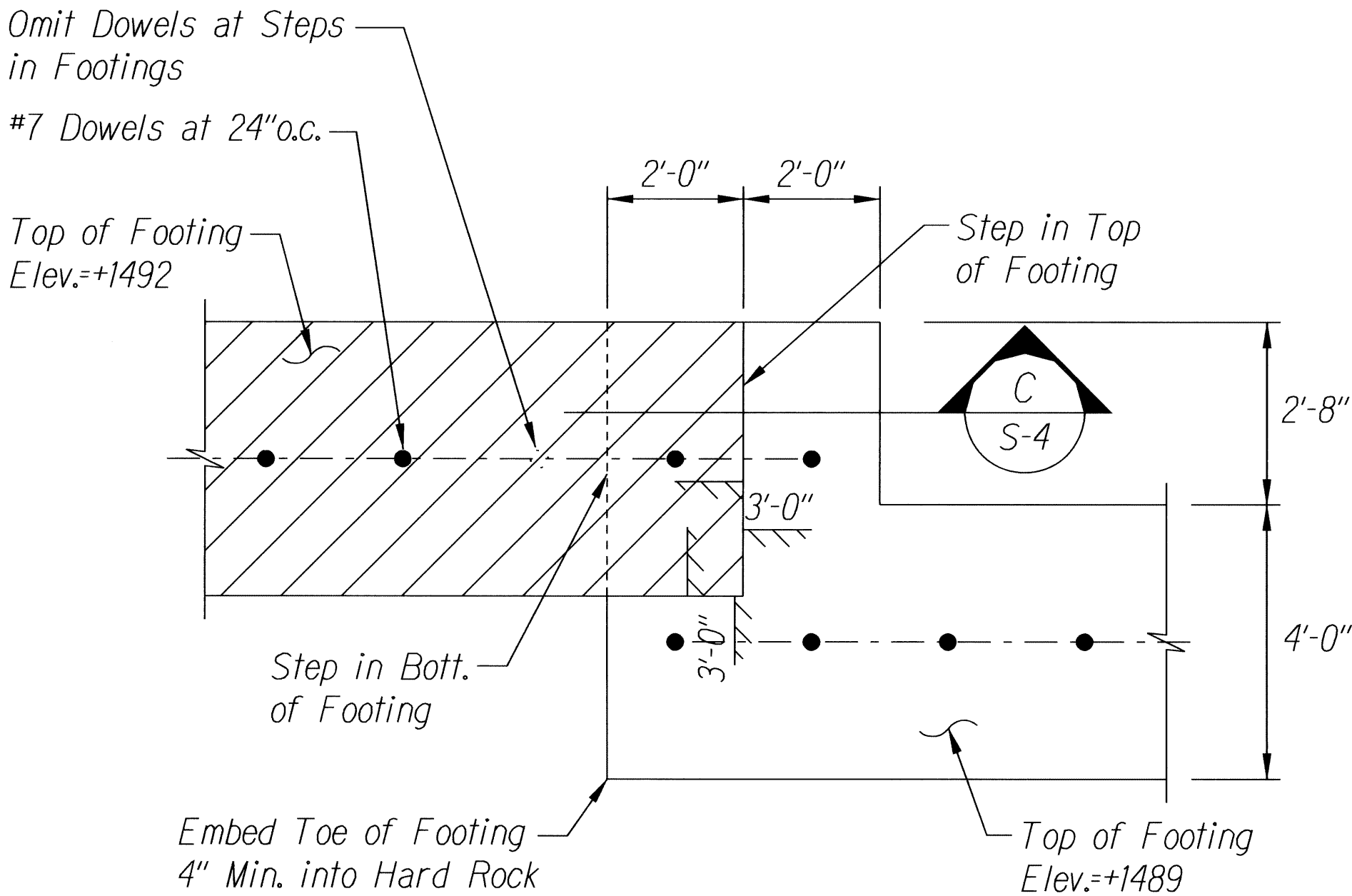
EXPIRATION DATE OF THE
LICENSE: APRIL 30, 2012



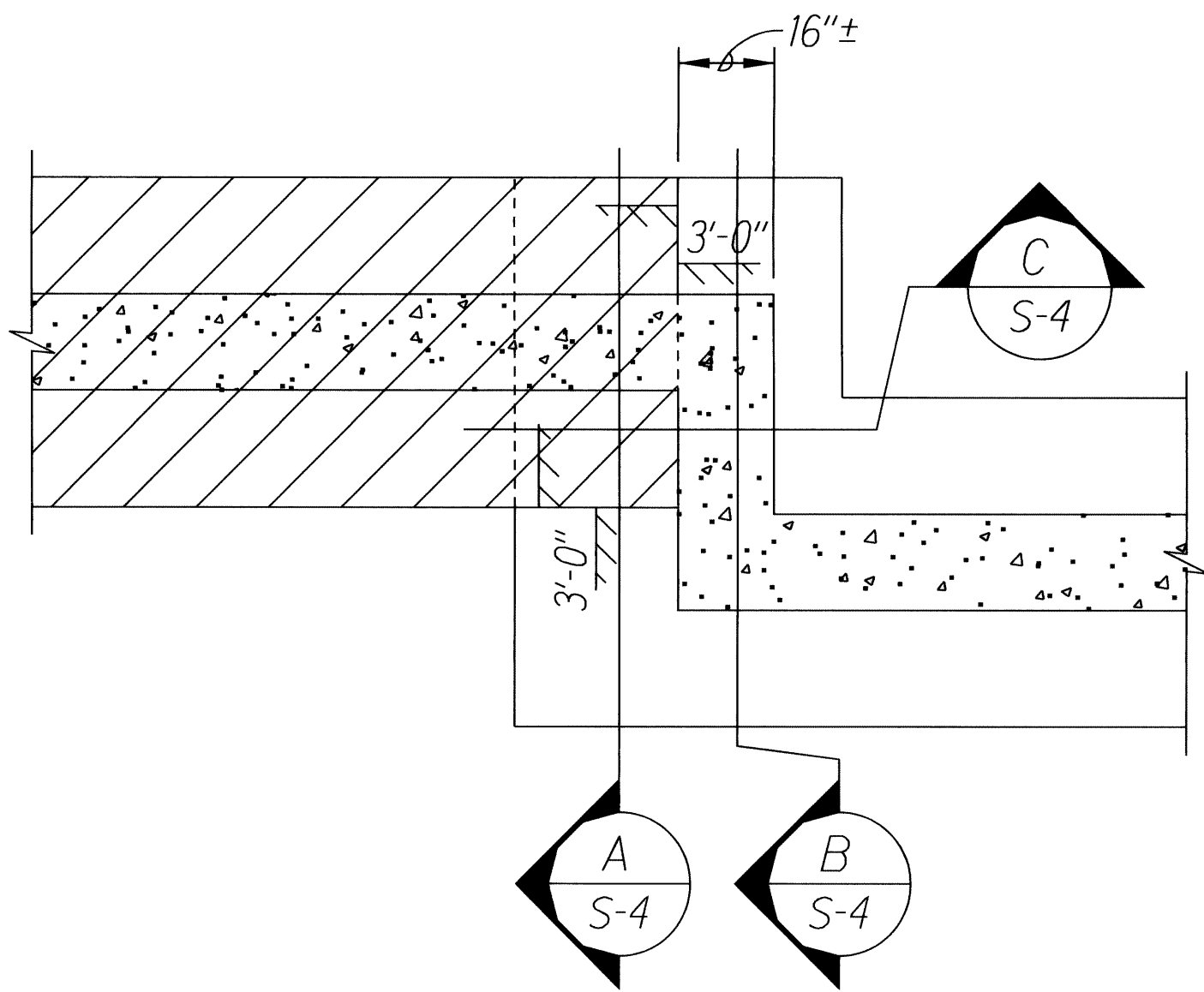
THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**PLANS, ELEVATION AND
DETAIL FOR MP 108.8**
EMERGENCY EARTHQUAKE
ROCKFALL REPAIRS
VARIOUS LOCATIONS ON HAWAII, UNIT 2
FEDERAL AID PROJECT NO. ER-15(20)
Scale: As Noted Date: November 2010
SHEET No. S-3 OF 33 SHEETS

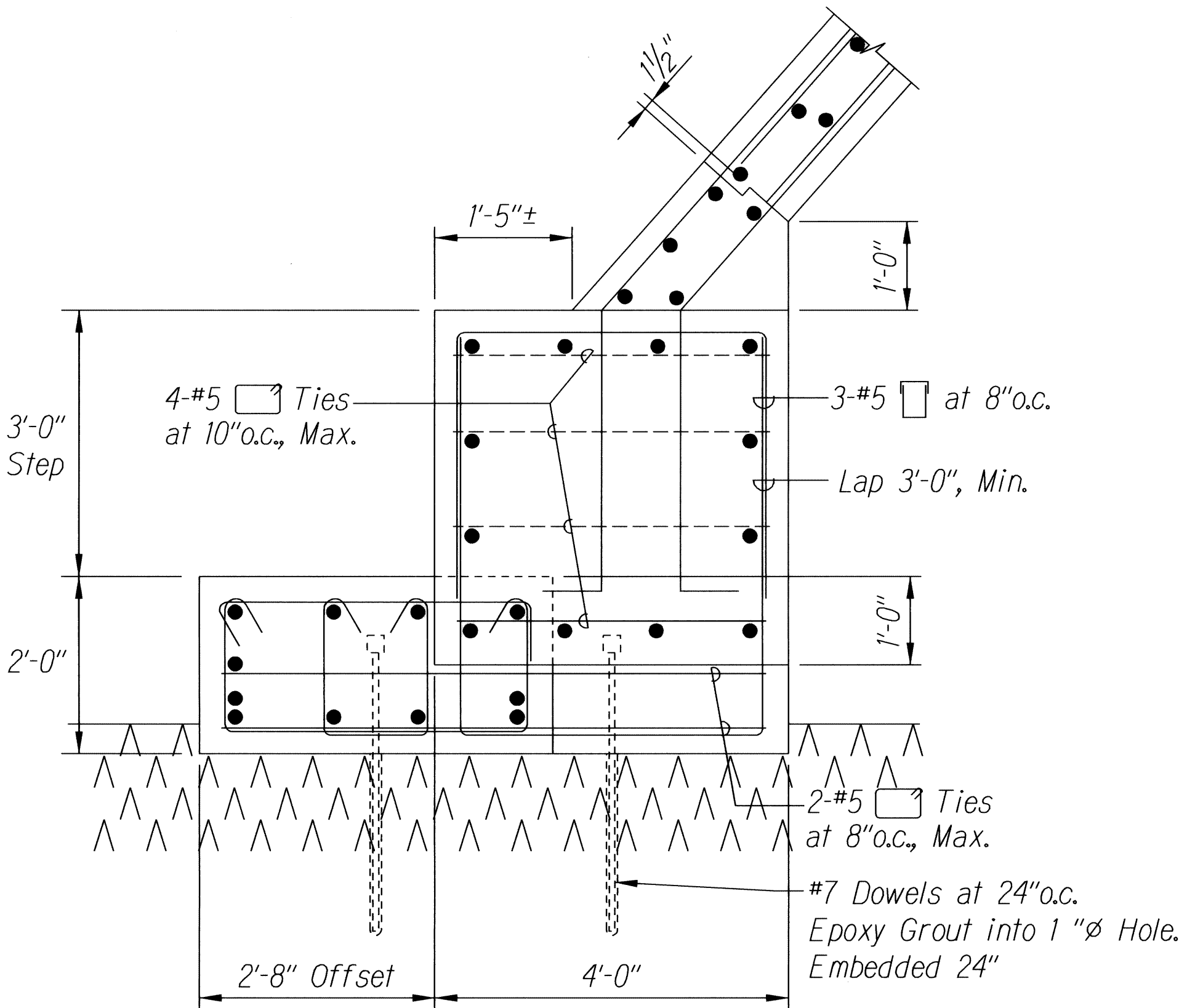
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-15(20)	2010	25	33



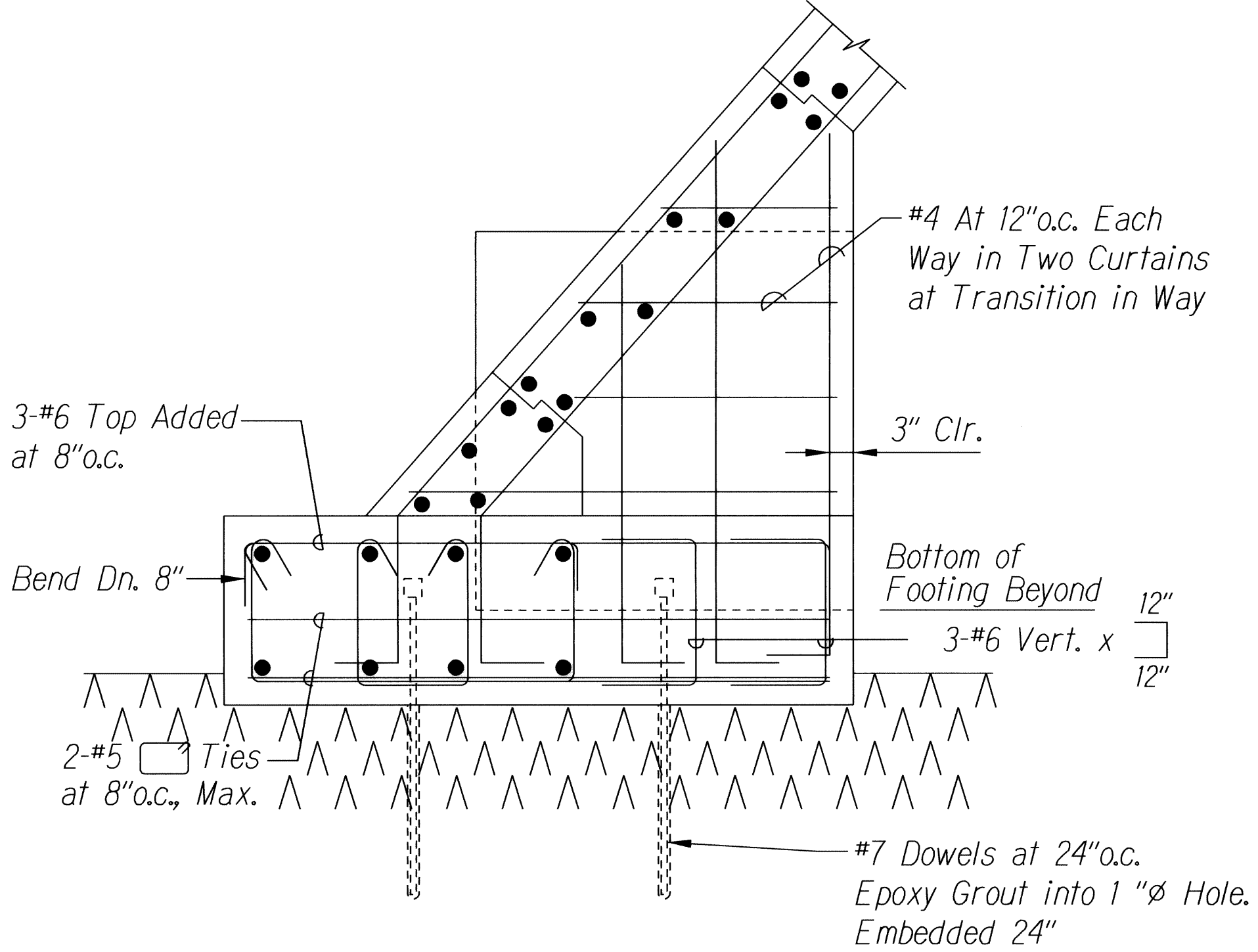
1 PLAN AT STEP IN FOOTING
S-4 Scale: 1/2" = 1'-0"



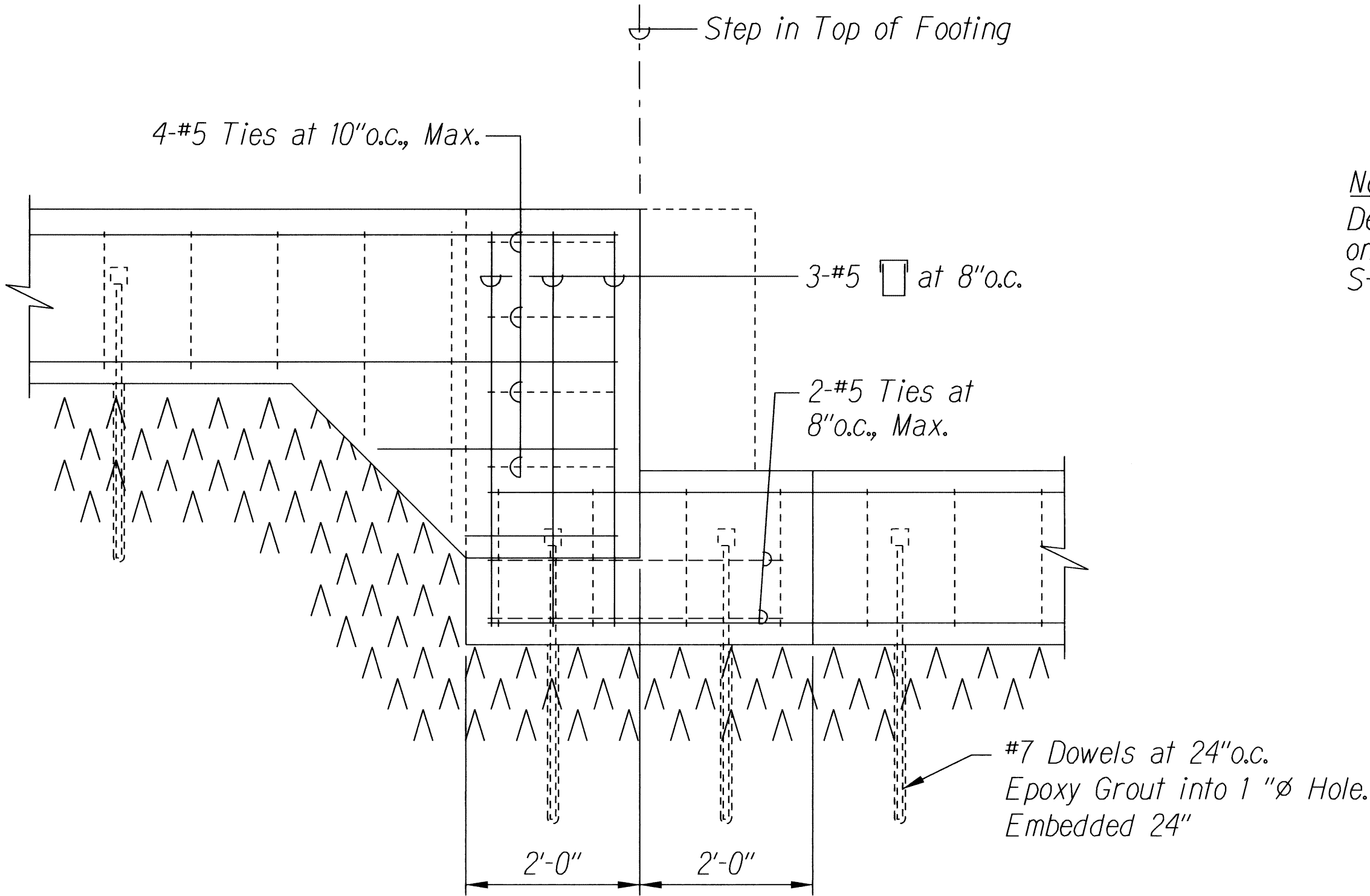
2 PLAN AT TRANSITION IN WALL
S-4 Scale: 1/2" = 1'-0"



A SECTION
S-4 Scale: 3/4" = 1'-0"

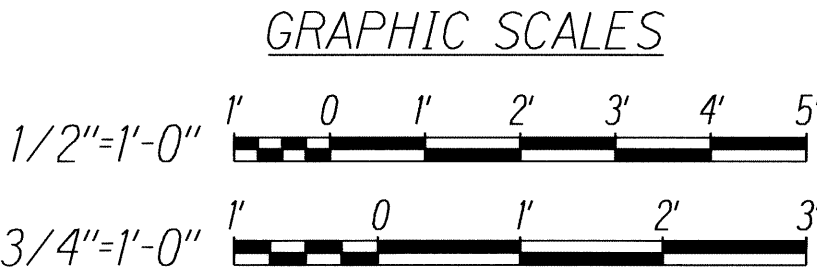


B SECTION
S-4 Scale: 3/4" = 1'-0"

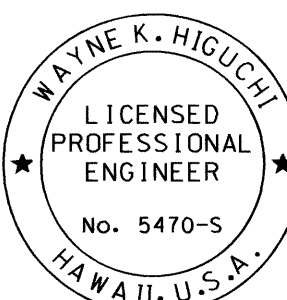


C SECTION THRU STEP IN FOOTING
S-4 Scale: 3/4" = 1'-0"

Note:
Details on Sheets S-6 and S-7 shall apply only if Bottom of Footings shown on Sheet S-3 do not bear on hard rock.



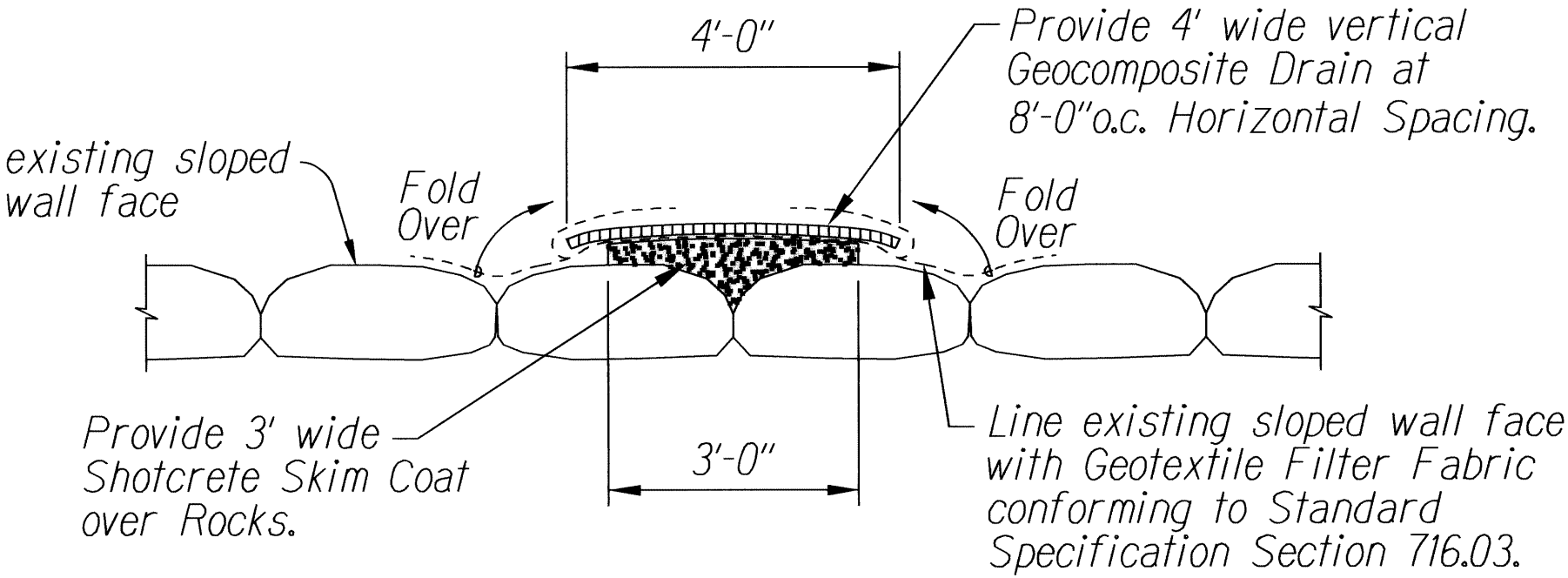
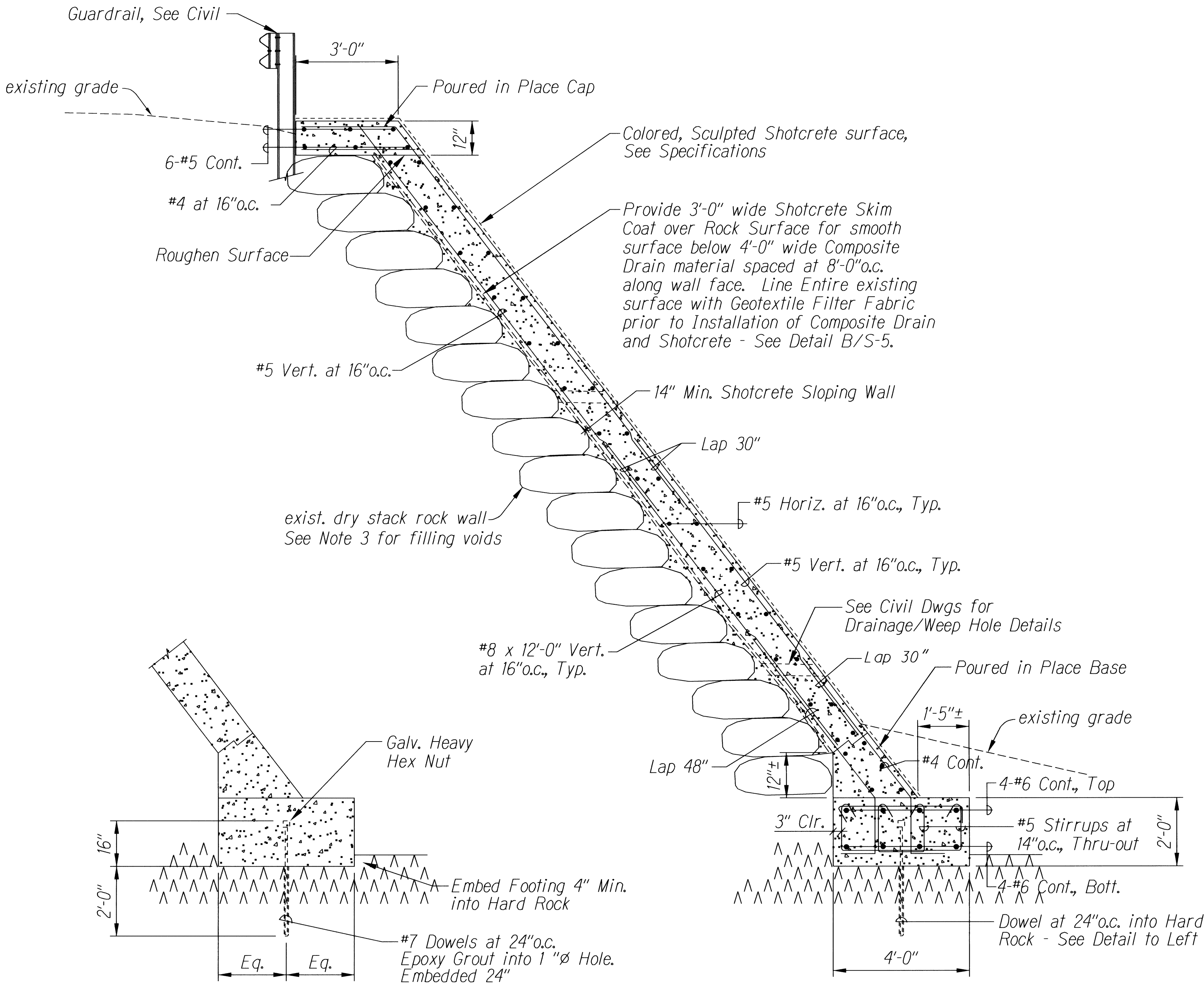
EXPIRATION DATE OF THE LICENSE: APRIL 30, 2012



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PLANS AND SECTIONS
FOR MP 108.8
EMERGENCY EARTHQUAKE
ROCKFALL REPAIRS
VARIOUS LOCATIONS ON HAWAII, UNIT 2
FEDERAL AID PROJECT NO. ER-15(20)
Scale: As Noted Date: November 2010
SHEET No. S-4 OF 33 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-15(20)	2010	26	33

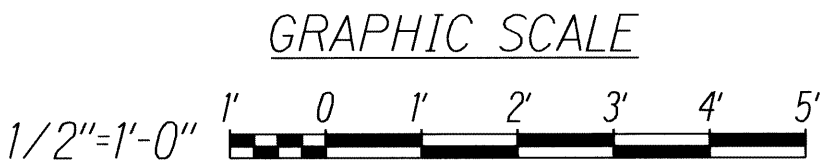


B TYP. GEOTEXTILE DRAIN DETAIL
S-5 Not to Scale

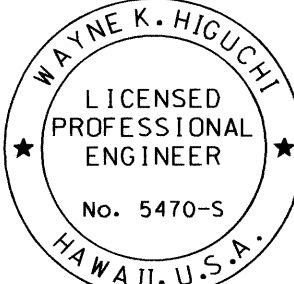
Notes:

1. If Hard Rock is not encountered at Bottom of Footing - Footing shall be detailed for bearing on Clinker Material - See Sheets S-6 & S-7.
2. At MP108.9, should specified Top of Footing Elevation be above grade, the Top of Footing should be set at grade and the Bottom of Footing Elevation should be lowered so the footing thickness remains the same and the Top of Footing does not extend above finish grade.
3. Fill voids in existing dry stack rock wall as shown on Details and Sections on Sheet C-5 (Details 3, 4 & 5), C-19 (Section C-C) and S-8 as appropriate for Station and Section.

A TYP. WALL SECTION AT MP 108.8 AND MP 108.9
S-5 Scale: 1/2" = 1'-0"



EXPIRATION DATE OF THE
LICENSE: APRIL 30, 2012



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
TYP. WALL SECTION
FOR MP 108.8
EMERGENCY EARTHQUAKE
ROCKFALL REPAIRS
VARIOUS LOCATIONS ON HAWAII, UNIT 2
FEDERAL AID PROJECT NO. ER-15(20)
Scale: As Noted Date: November 2010

SHEET No. S-5 OF 33 SHEETS

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No. 28	