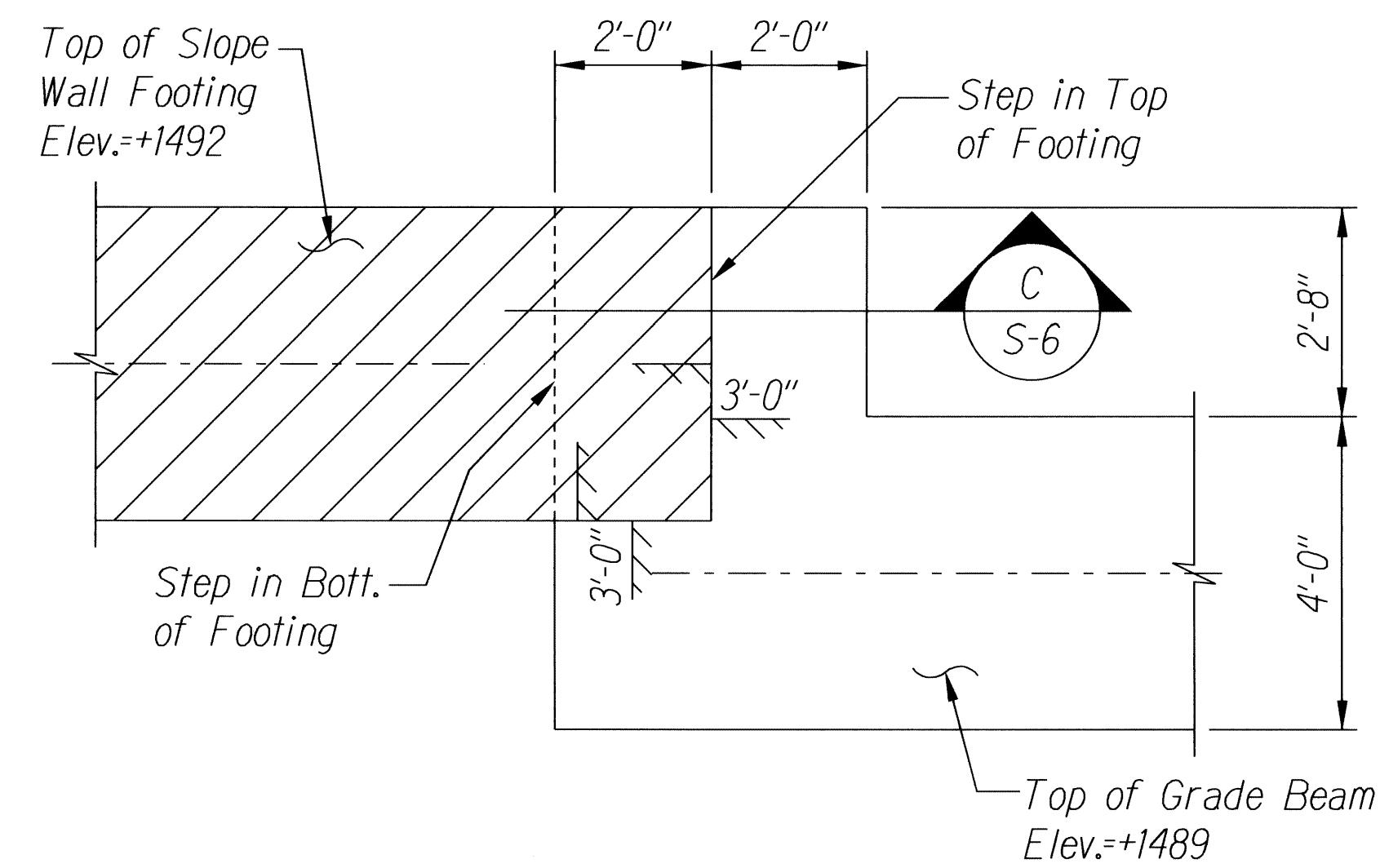
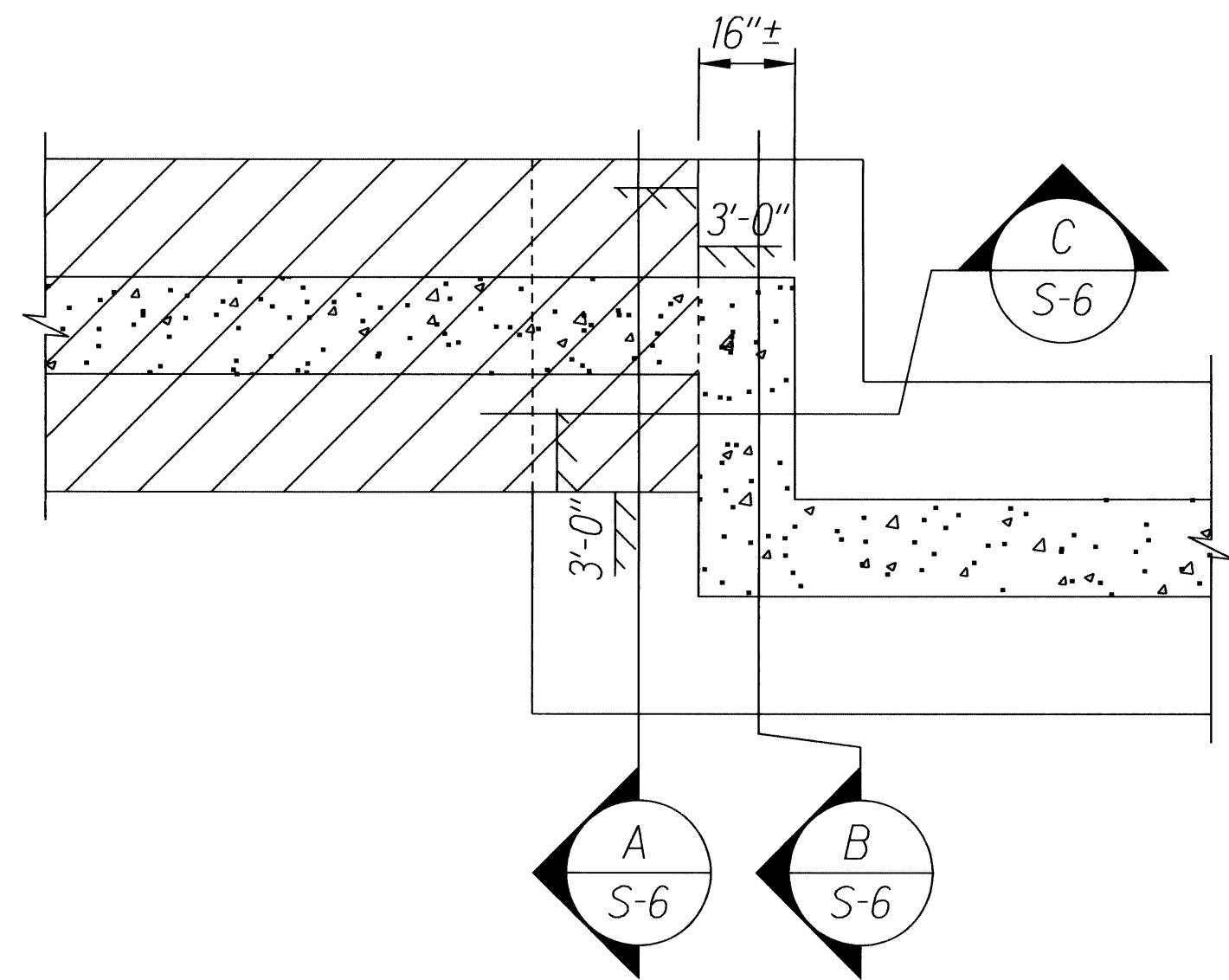


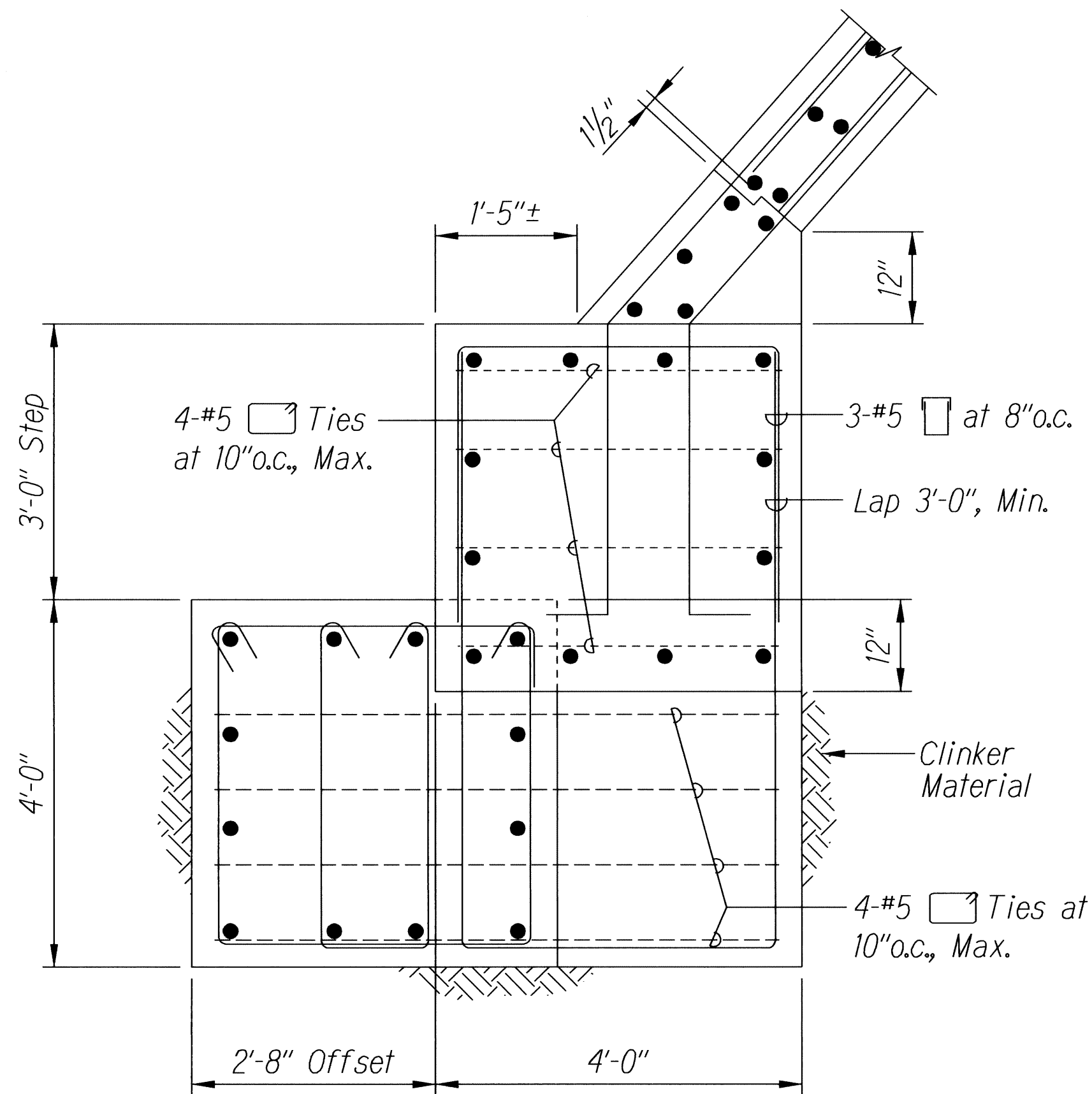
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-15(20)	2010	27	33



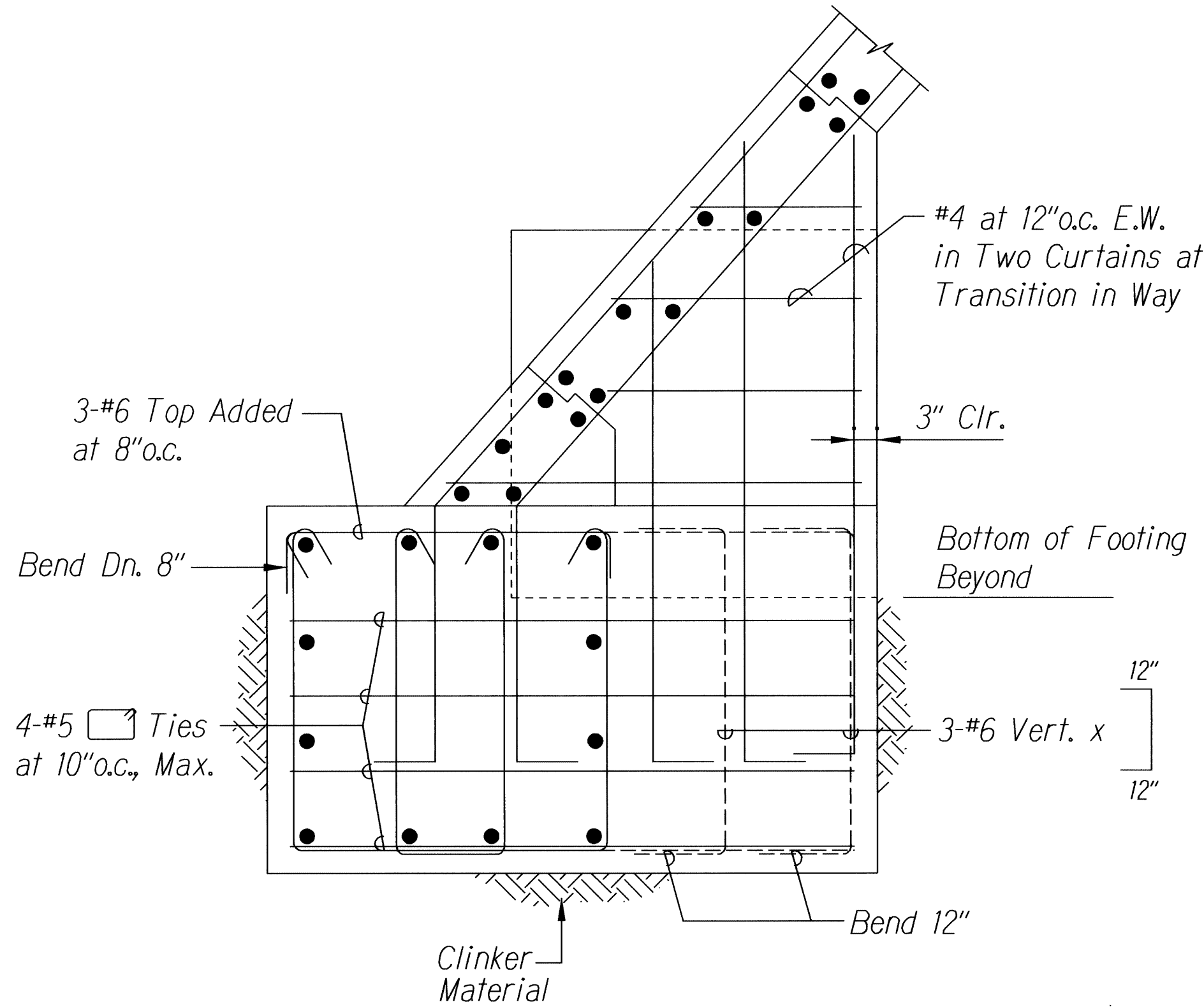
1 PLAN AT STEP IN FOOTING  
S-6 Scale: 1/2" = 1'-0"



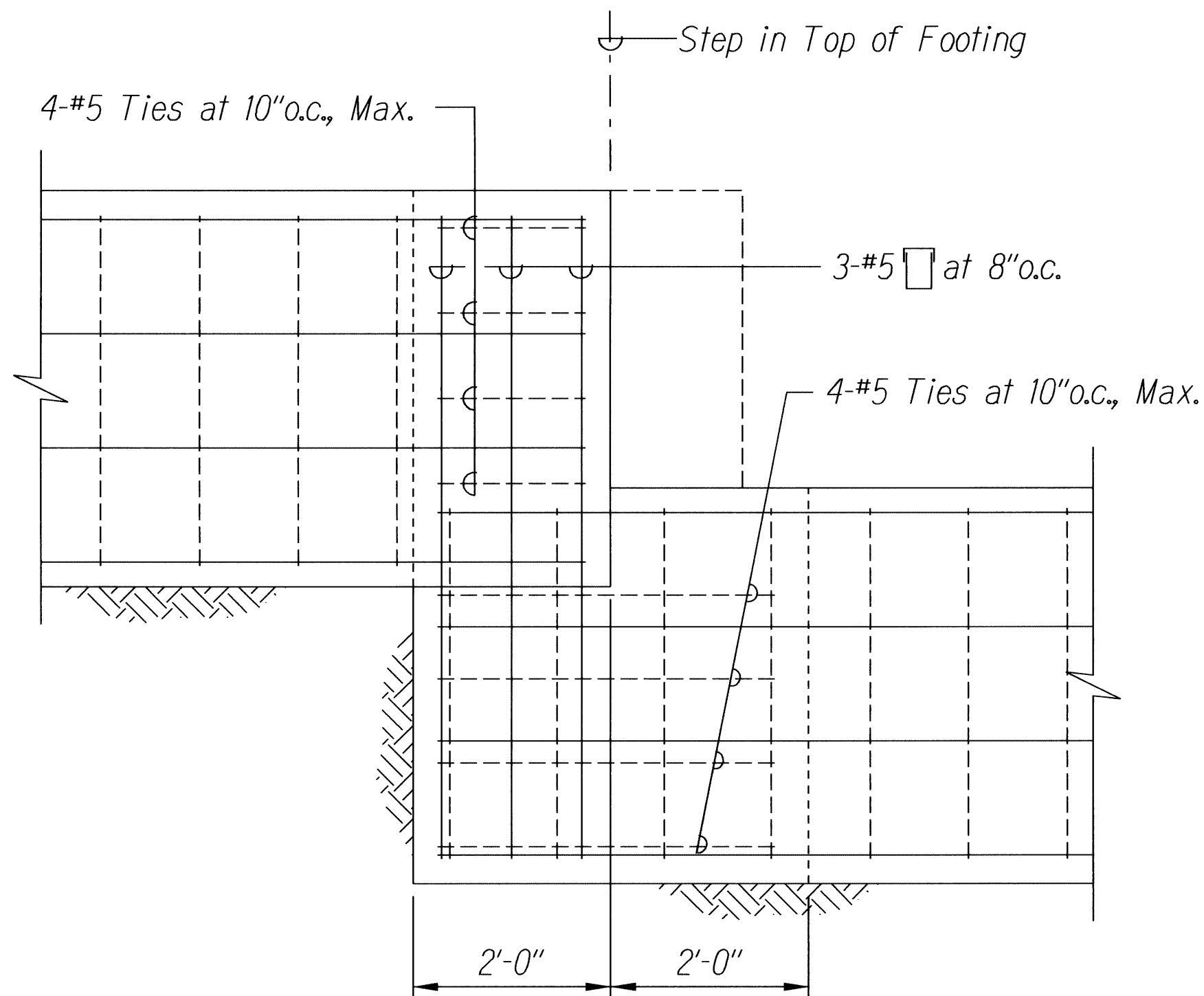
2 PLAN AT TRANSITION IN WALL  
S-6 Scale: 1/2" = 1'-0"



A SECTION  
S-6 Scale: 3/4" = 1'-0"

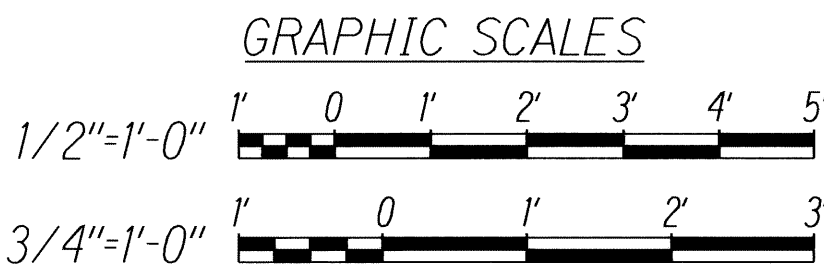


B SECTION  
S-6 Scale: 3/4" = 1'-0"

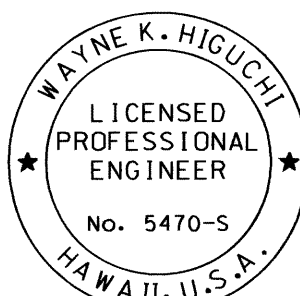


C SECTION THRU STEP IN FOOTING  
S-6 Scale: 3/4" = 1'-0"

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.



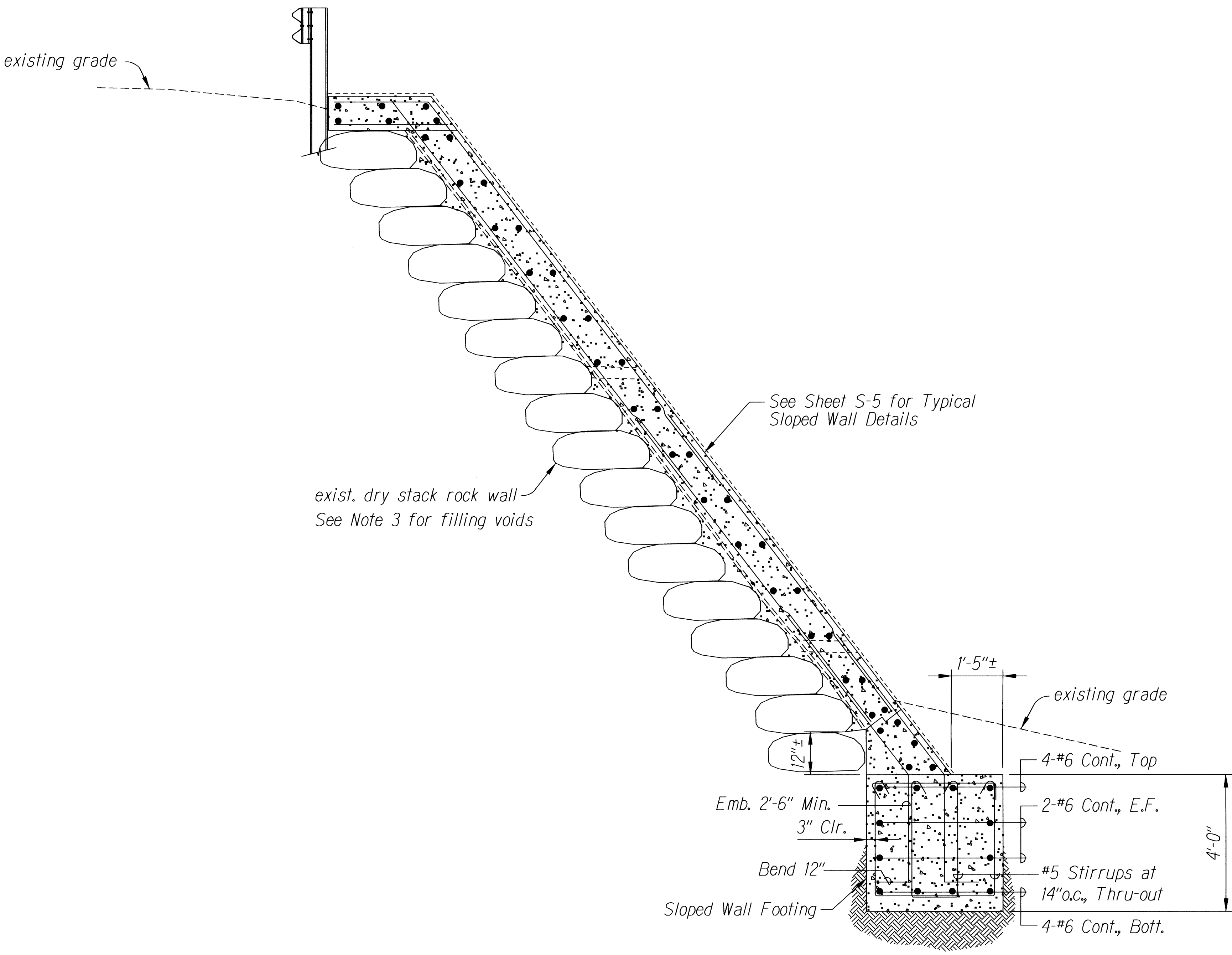
EXPIRATION DATE OF THE  
LICENSE: APRIL 30, 2012



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-6 OF 33 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-15(20)	2010	28	33



**Notes:**

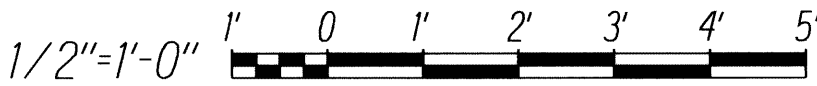
1. Details on Sheet S-6 and S-7 shall apply only if Bottom of Footings shown on Sheet S-3 do not bear on Hard Rock.
2. At MP108.9, should specified Top of Footing Elevation be above grade, the Top of Footing should be set at grade and the Bottom of Footing Elevation should be lowered so the footing thickness 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  
S-7

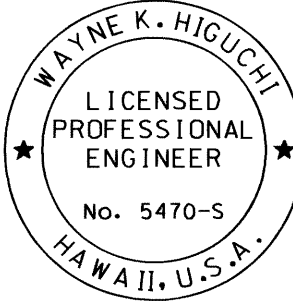
**WALL SECTION AT MP 108.8 AND MP 108.9**

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

**GRAPHIC SCALE**



EXPIRATION DATE OF THE  
LICENSE: APRIL 30, 2012



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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)**

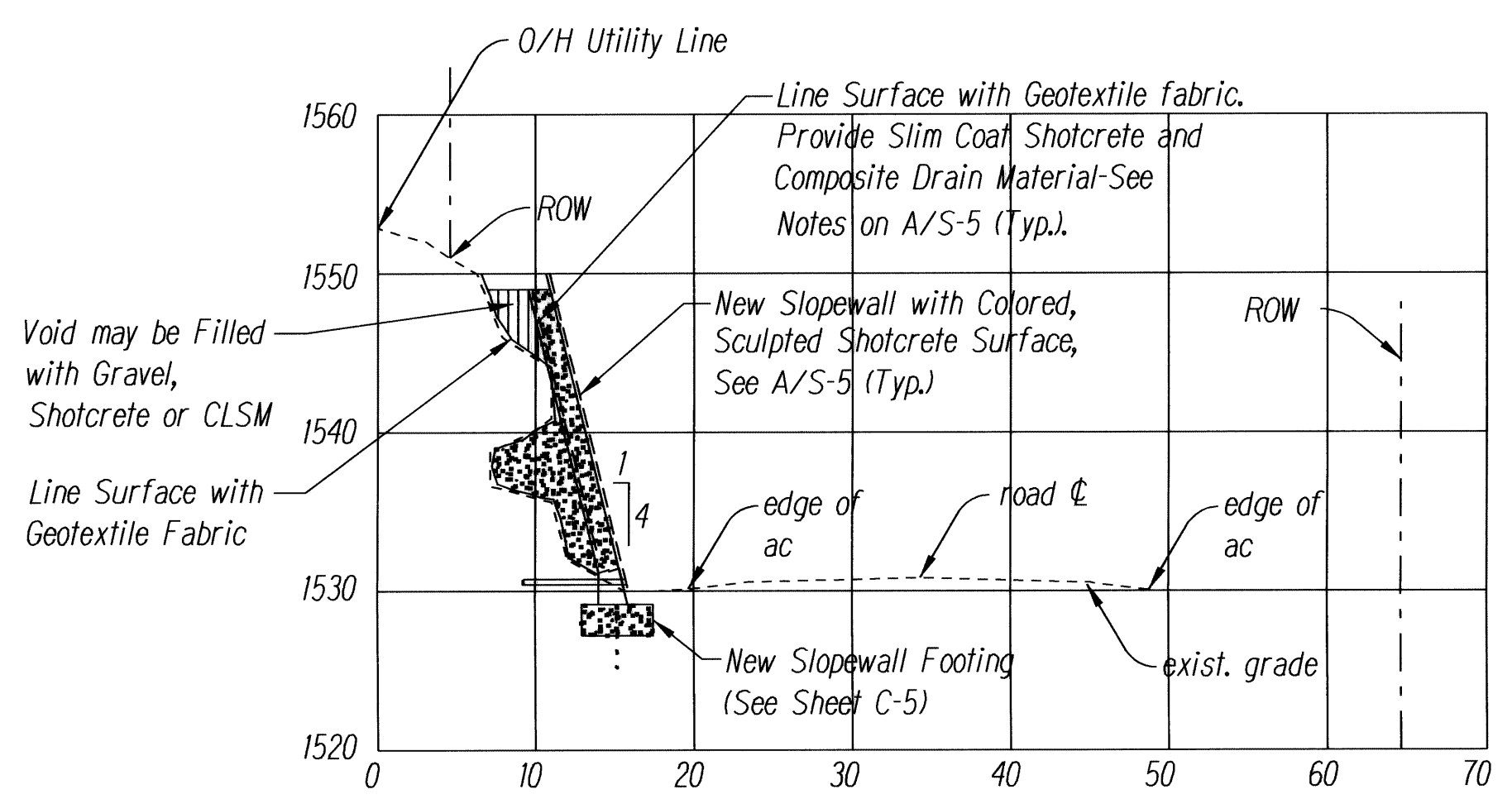
Scale: As Noted

Date: November 2010

**SHEET No. S-7 OF 33 SHEETS**

A profile view of a proposed slope wall and roadway. The vertical axis shows elevation in feet, ranging from 1520 to 1560. The horizontal axis shows distance in feet, ranging from 0 to 70. The diagram includes the following elements:

- O/H Utility Line:** A line at the top left, sloping downwards from left to right.
- ROW:** Right-of-Way line, indicated by a dashed line on the right side of the profile.
- 3'-0":** A horizontal dimension line indicating a width of 3 feet.
- New Slopewall with Colored, Sculpted Shotcrete Surface, See A/S-5 (Typ.):** A sloped wall structure shown with a cross-hatched pattern.
- 1** and **4**: Vertical dimension lines indicating heights of 1 foot and 4 feet, respectively, from the footing to the top of the slope wall.
- edge of ac**: Edge of asphalt, indicated by a dashed line at the base of the wall.
- road  $\phi$** : Roadway centerline, indicated by a dashed line.
- edge of ac**: Edge of asphalt, indicated by a dashed line on the right side of the roadway.
- exist. grade**: Existing ground line, indicated by a dashed line.
- New Slopewall Footing (See Sheet C-5)**: A foundation structure at the base of the wall, shown with a cross-hatched pattern.



GRAPHIC SCALES

The image shows two horizontal graphic scales. The top scale is labeled  $1''=10'$  and has markings at 0, 10', and 20'. The bottom scale is labeled  $1/2''=1'-0''$  and has markings at 0, 1', 2', 3', 4', and 5'.

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
PLAN AND SECTIONS  
FOR MP 108.9  
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. 5-8 OF 33 SHEETS

