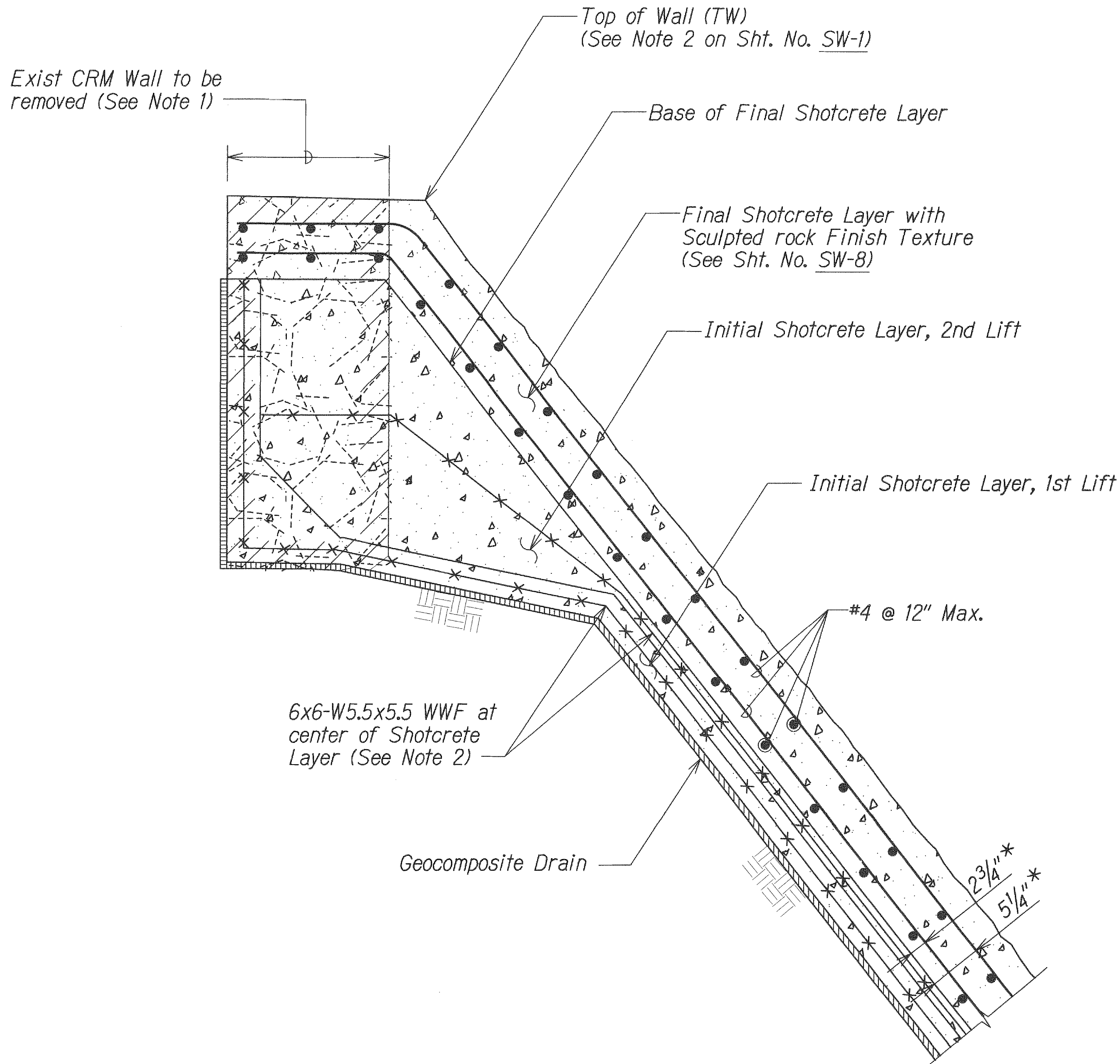
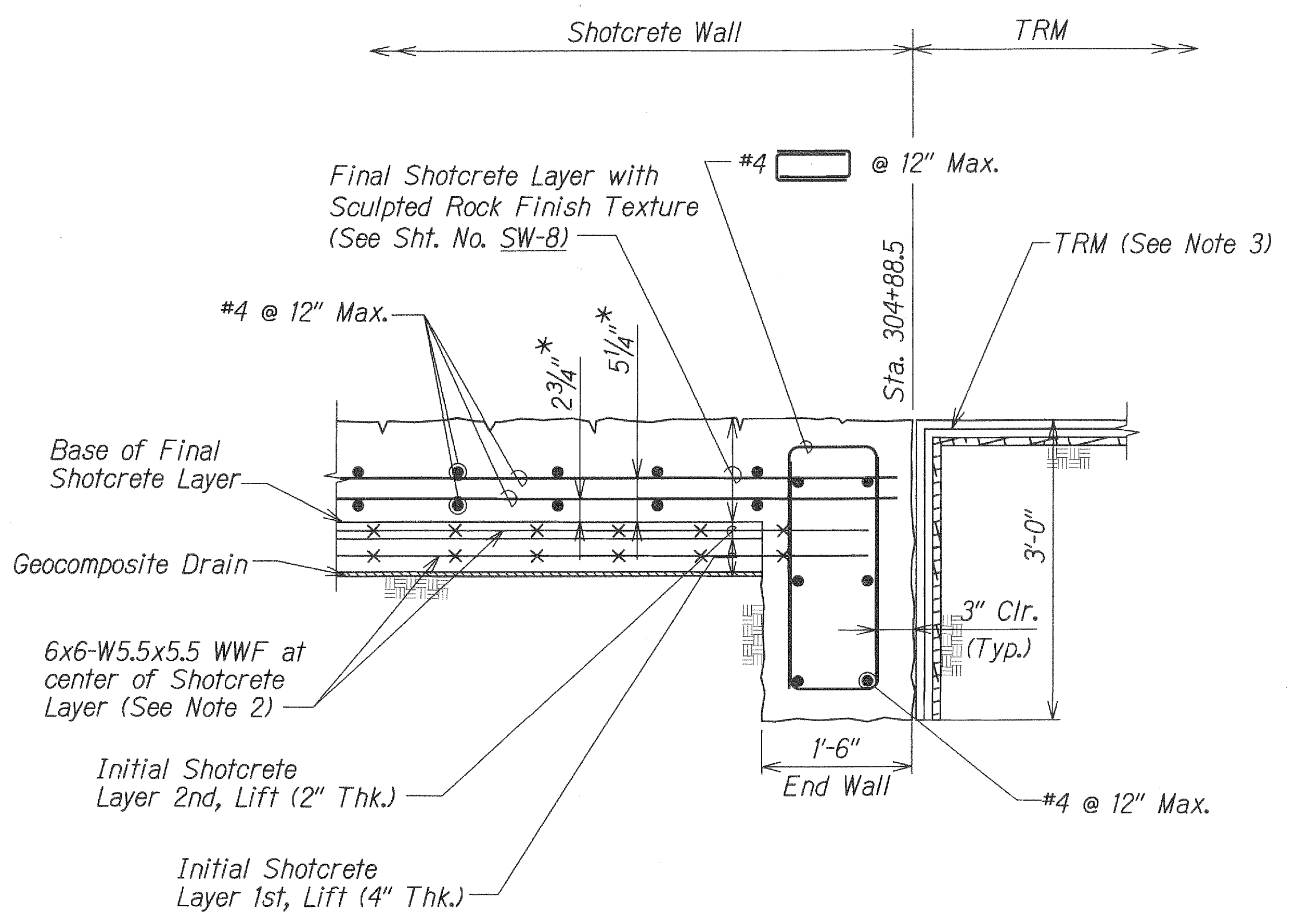


FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIE-01-11MR	2013	21	49



SECTION A
Scale: 1"=1'-0" SW-3/SW-5

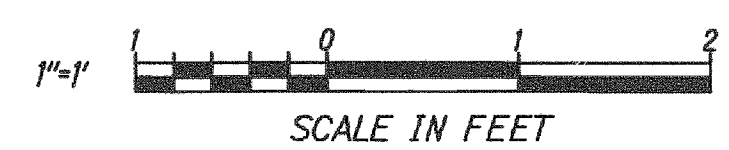


PLAN SECTION B
Scale: 1"=1'-0" SW-3/SW-5

- NOTES:**
- Contractor shall exercise care during removal of exist CRM Wall to protect existing building columns from damage.
 - For WWF Splicing Detail, See Sht. No. SW-7.
 - For Details of TRM installations shall be per manufacturer's recommendations.
 - Dimension shown is the distance from Base of Final Shotcrete to centerline of rebar.

ORIGINAL PLAN	DATE
NOTES	
DESIGNED BY	
CHECKED BY	

W:\SSWP\Area Stream Erosion Control\Cadd\Sheets\SW-5.dgn



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
SIGNATURE: *Hui Pang Chen* EXPIRATION DATE: 04/30/12 OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

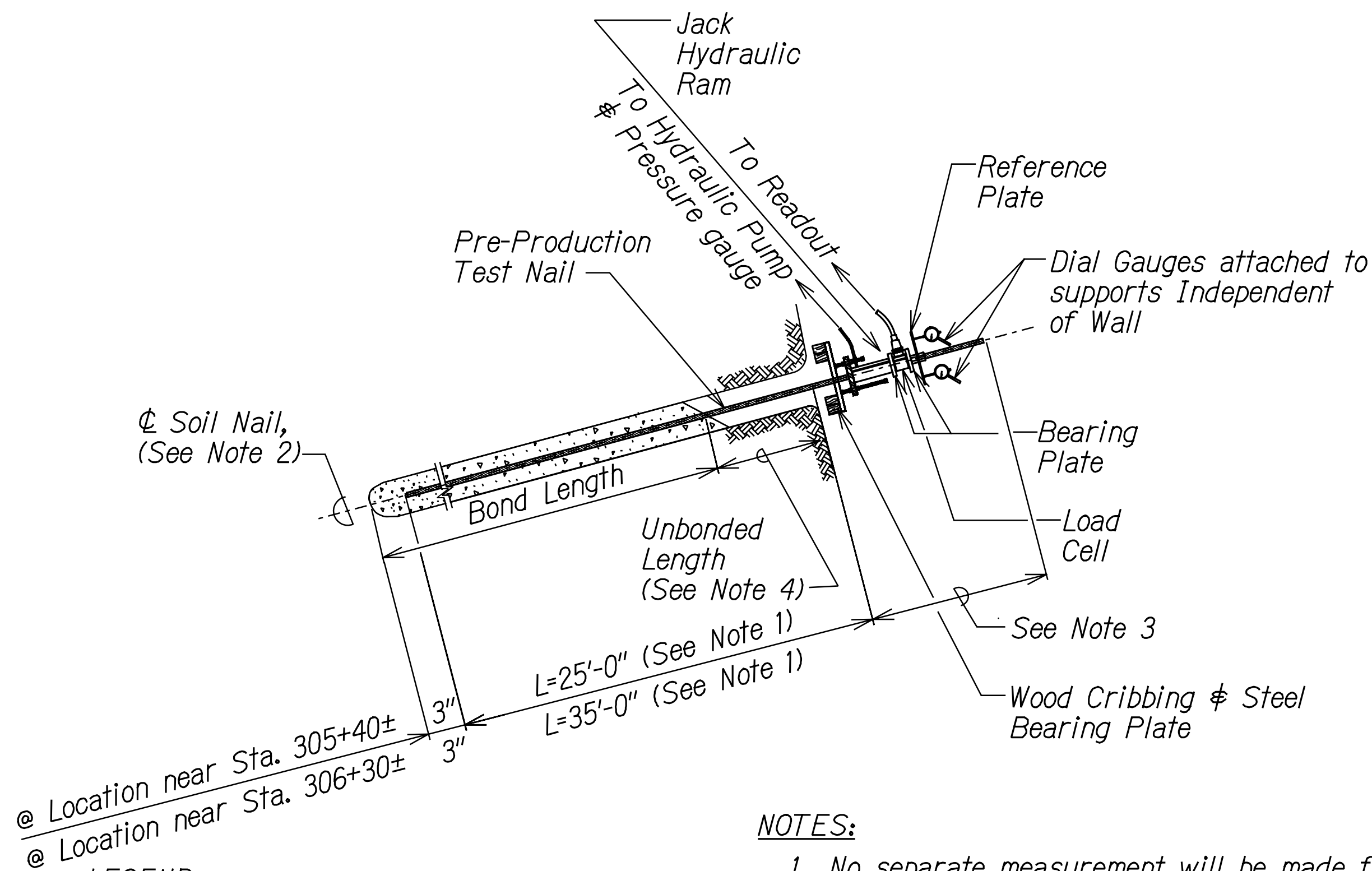
**SHOTCRETE WALL
DETAILS**

INTERSTATE ROUTE H-1
AIEA STREAM EROSION CONTROL
Project No. HIE-01-11MR

Scale: As Shown Date: September 2012

SHEET No. SW-5 OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	H1E-01-11MR	2013	23	49



LEGEND:

L = Soil Nail Bar Embedment Length

NOTES:

1. No separate measurement will be made for Pre-Production Load Test. Soil Nail shall be considered incidental Soil Nail Installations.
2. The Pre-Production Load Test Soil Nails shall be #14 threaded bar conforming to ASTM A 615 Grade 75. These soil nails shall contain centralizers.
3. After completion of Load Test, the Contractor may remove the protruding portion of the Pre-Production Load Test Soil Nail for Geocomposite Drain installations.
4. For the Verification and Proof Load Test Nails an Unbonded length of 3 feet shall be provided.

PRE-PRODUCTION LOAD TEST SOIL NAIL DETAIL

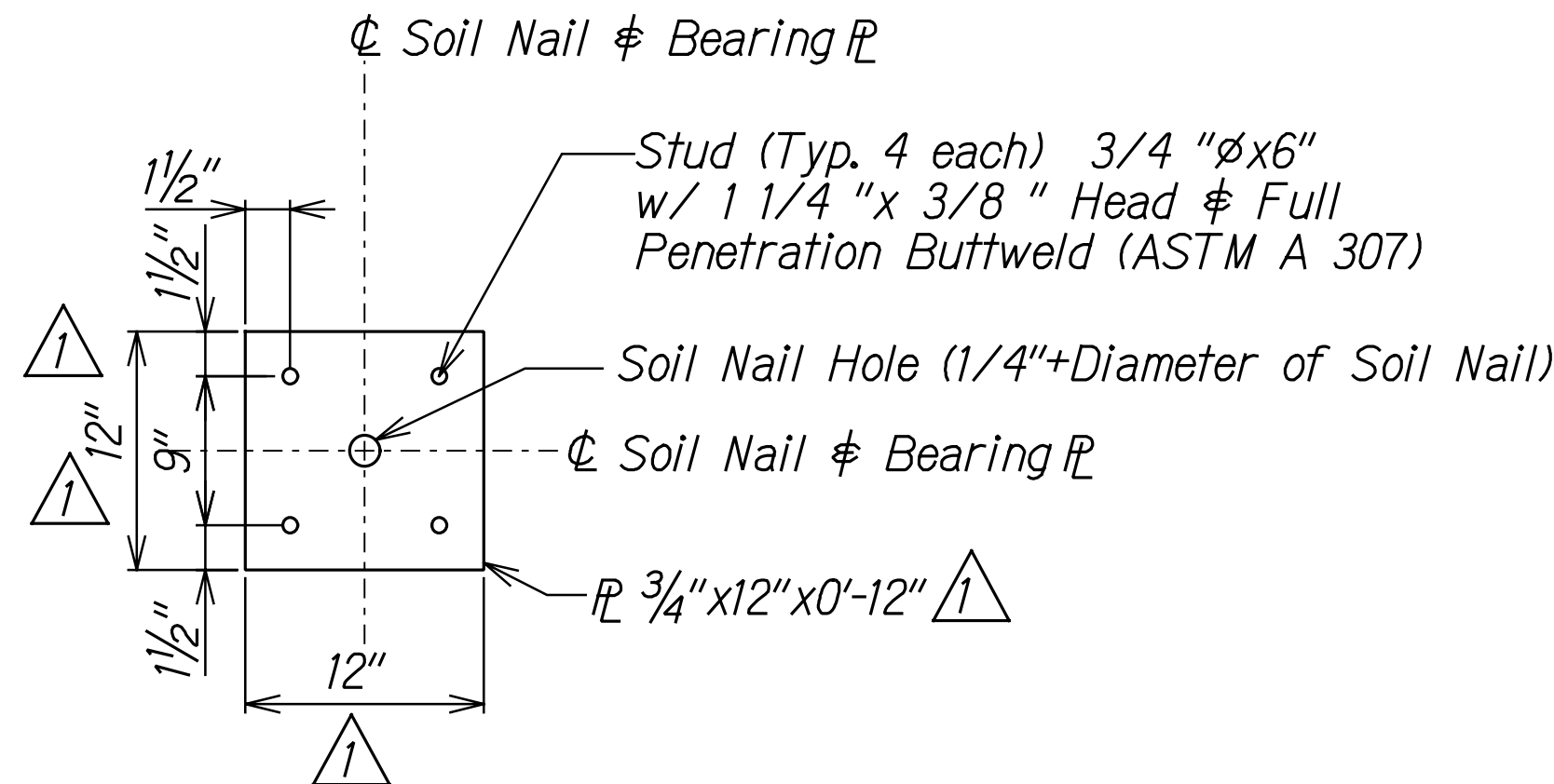
Scale: NTS

Stud (Typ. 4 each) 3/4 "Øx6"
w/ 1 1/4 "x 3/8 " Head & Full
Penetration Buttweld (ASTM A 307)

Ø Soil Nail & Bearing

1/4 "x12"x0'-12"

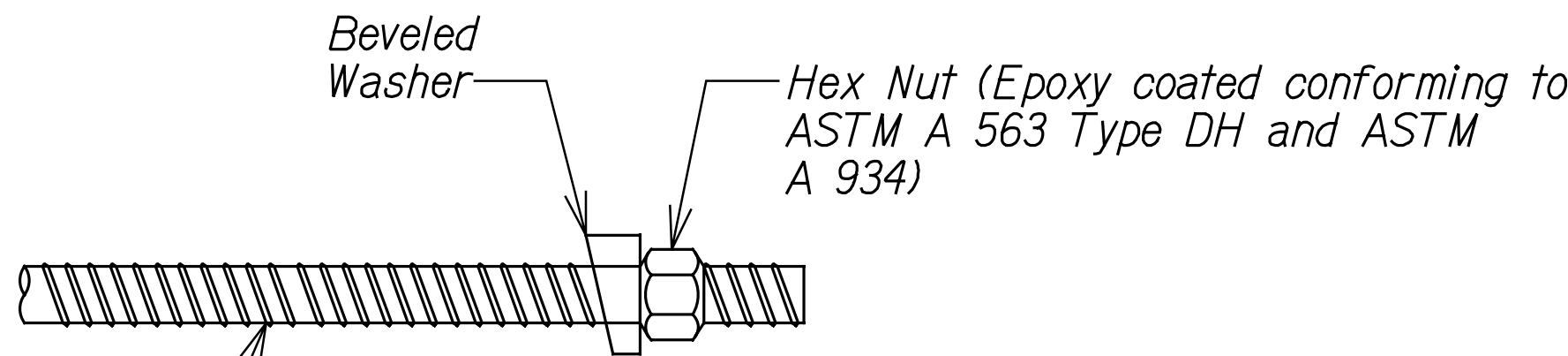
SECTION



PLAN

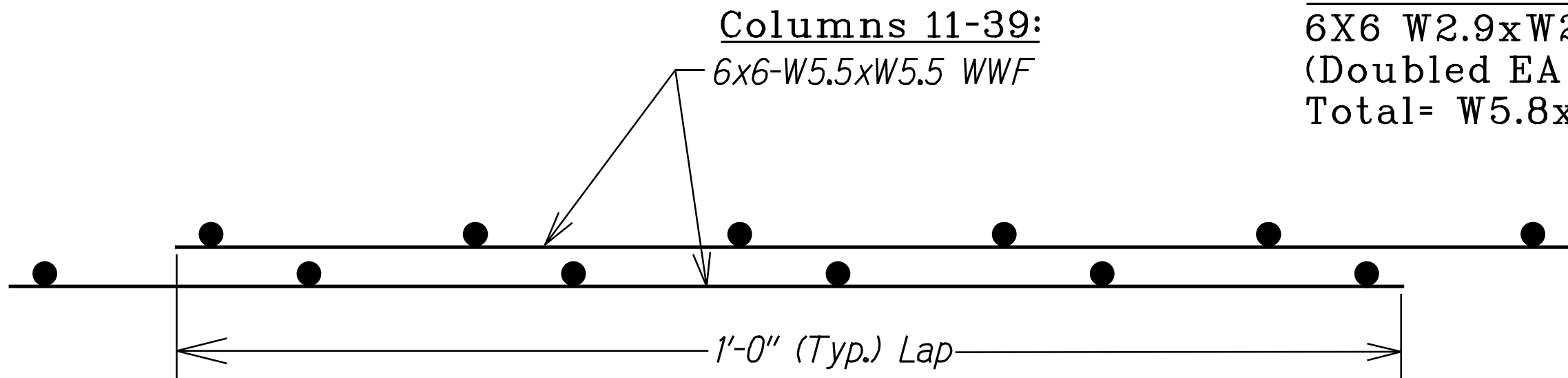
BEARING PLATE DETAIL

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



SOIL NAIL THREAD BAR

Scale: NTS



LAP SPLICE DETAIL

Scale: NTS

LEGEND FOR AS-BUILT POSTINGS

- ~~~~~ Squiggly line for as-built deletion
- ===== Double line for as-built deletion
- Roadway Text for as-built posting

1/2"=1'-0" SCALE IN FEET

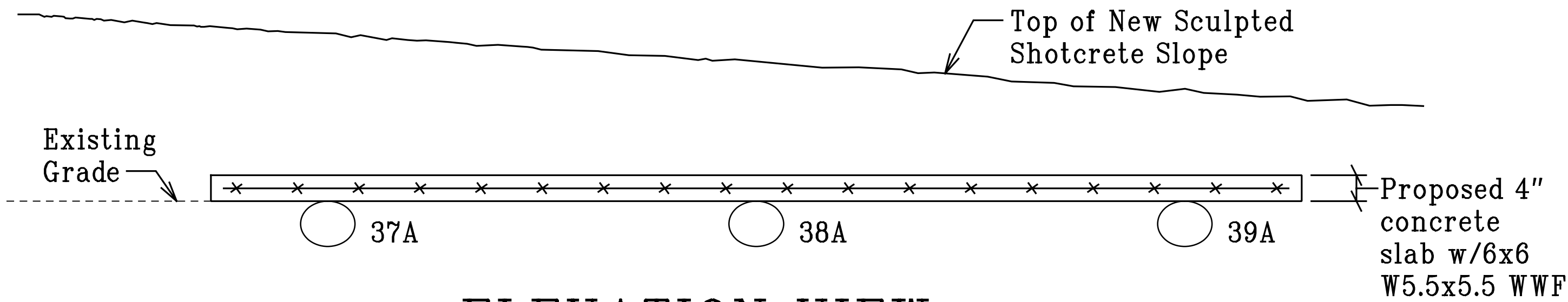
		<p>Revised Plate Dimensions and Soil Nail Spacing in Bearing Plate Detail per Addendum #1</p>
<p>DATE</p>		<p>REVISION</p>
<p>1/13/13</p>		<p>1</p>
<p>STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION SHOTCRETE WALL DETAIL - 1 INTERSTATE ROUTE H-1 AIEA STREAM EROSION CONTROL Project No. H1E-01-11MR Scale: As Noted Date: October 2012</p>		

SHEET No. SW-7 OF 8 SHEETS

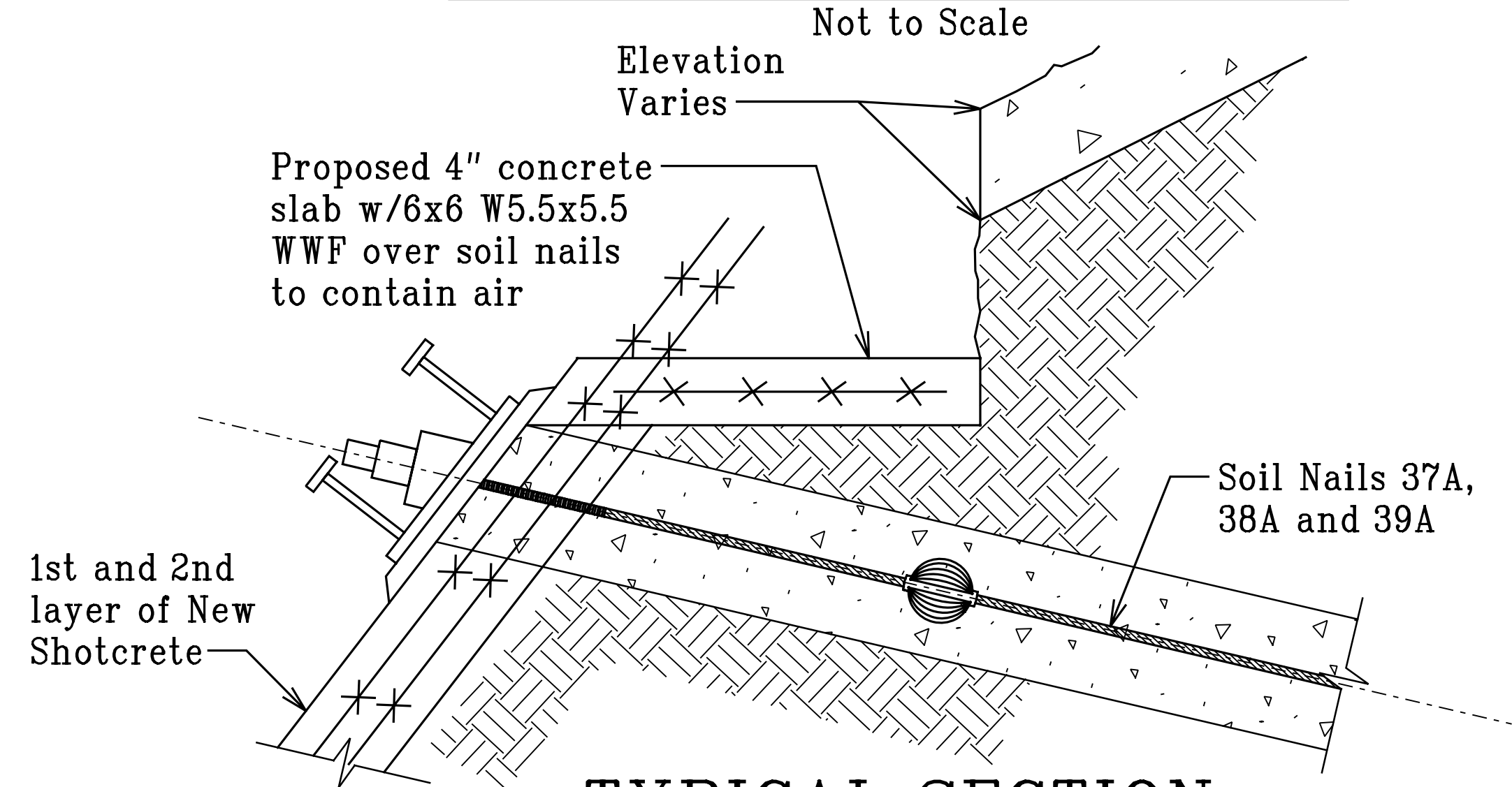
"AS-BUILT"

ADD. 23

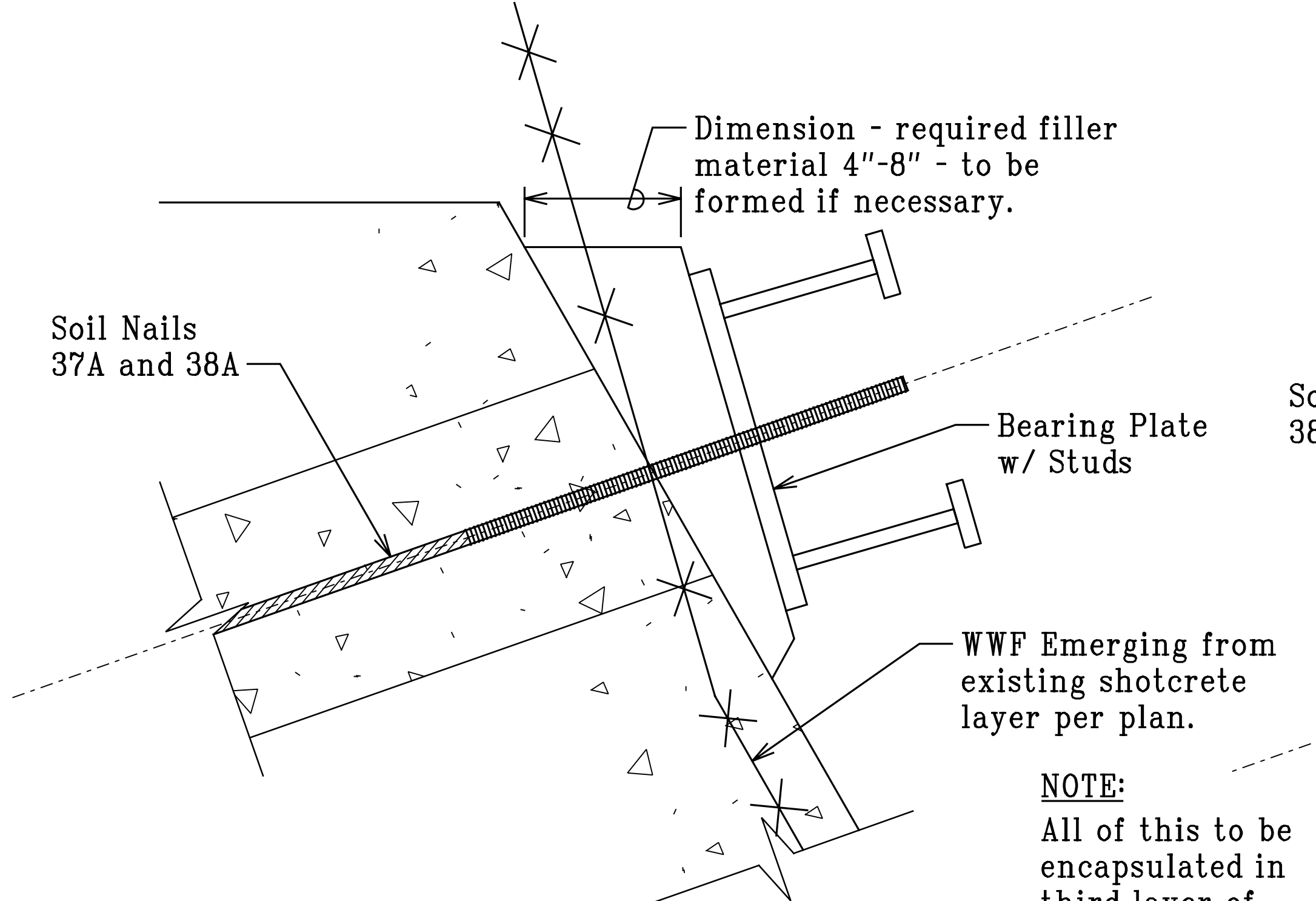
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	H1E-01-11MR	2013	ADD. 23S-1	49



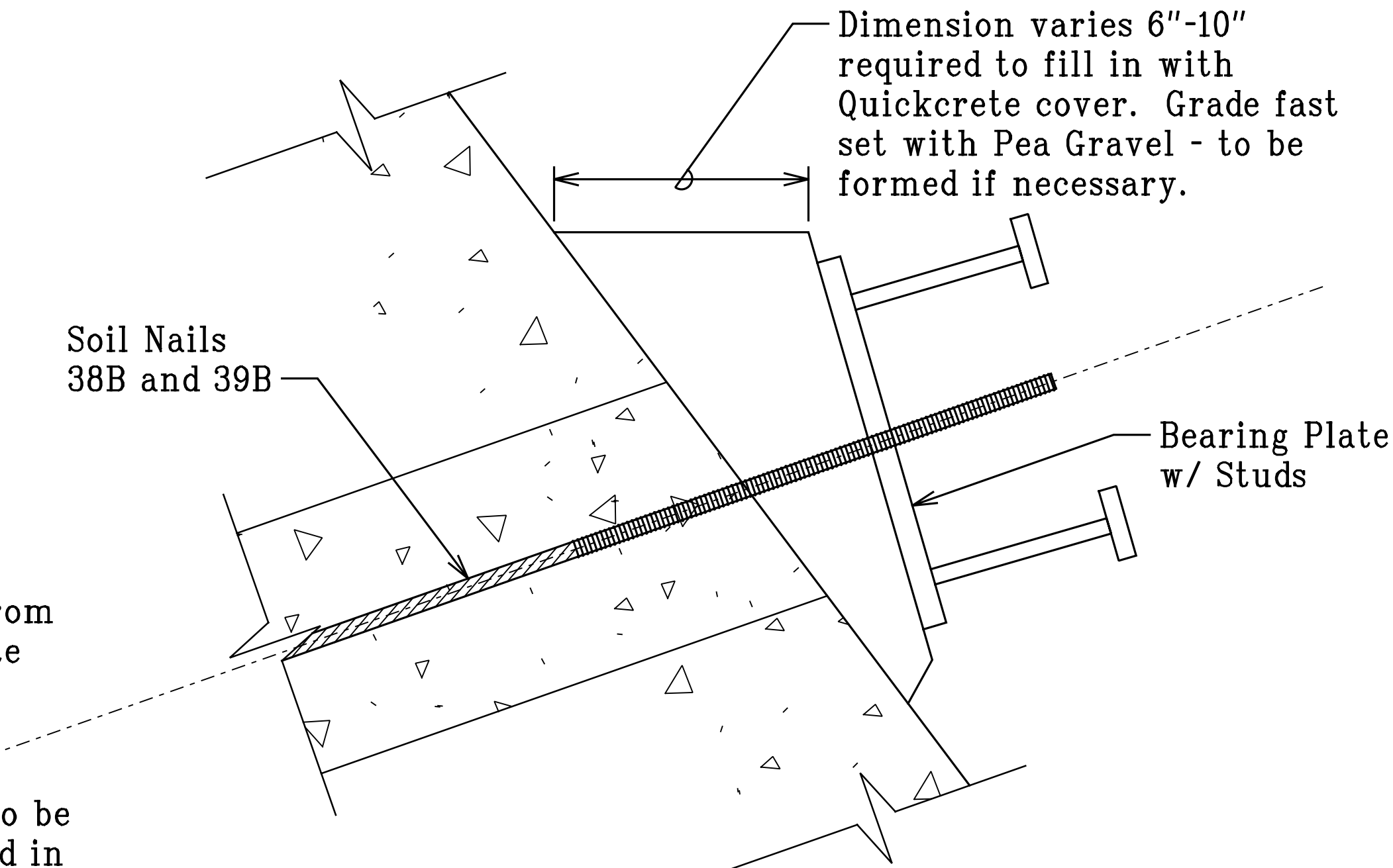
ELEVATION VIEW
AT SOIL NAILS 37A - 39A



TYPICAL SECTION
AT SOIL NAILS 37A - 39A

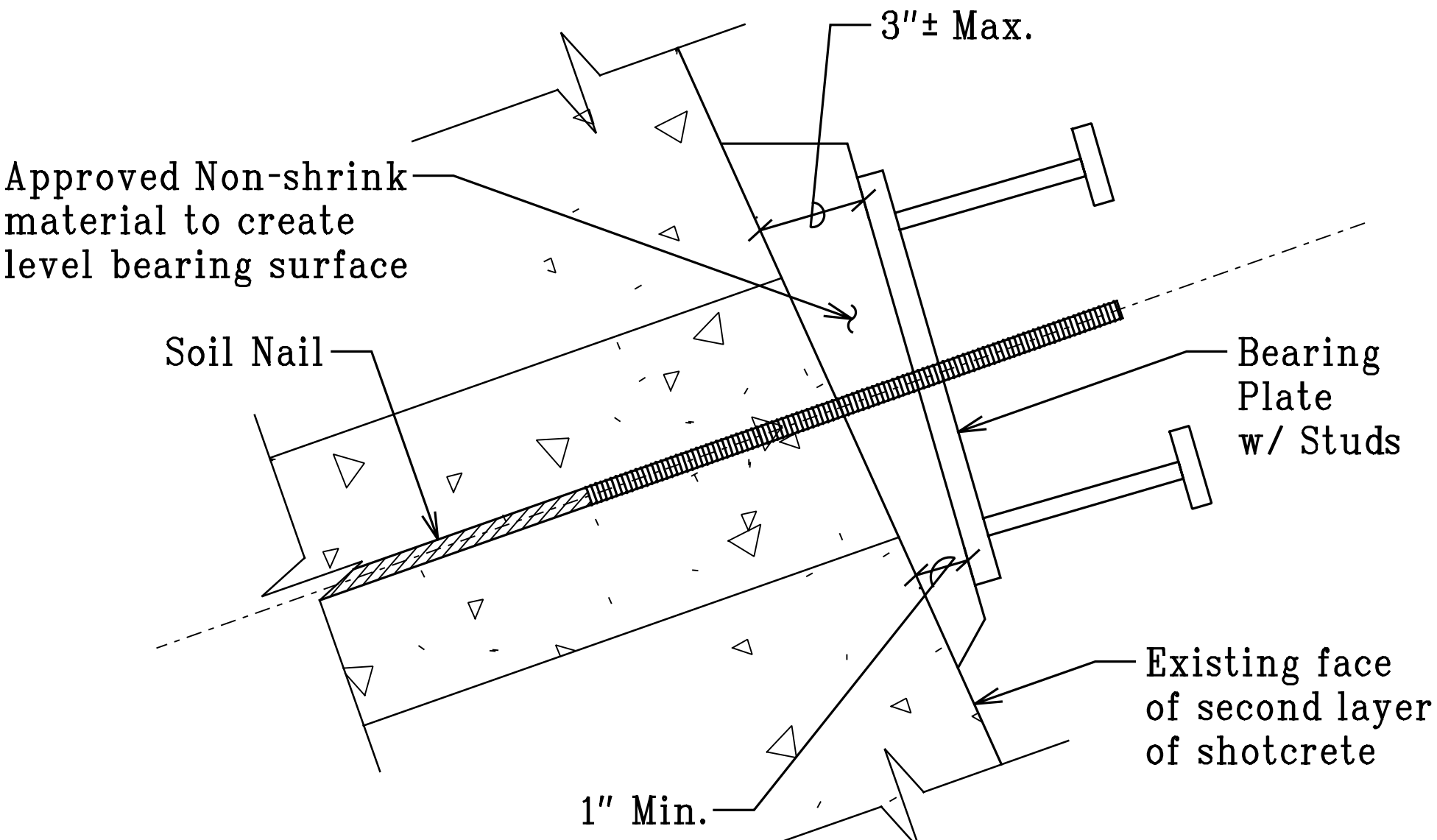


SOIL NAIL CROSS SECTION
AT SOIL NAILS 37A AND 38A

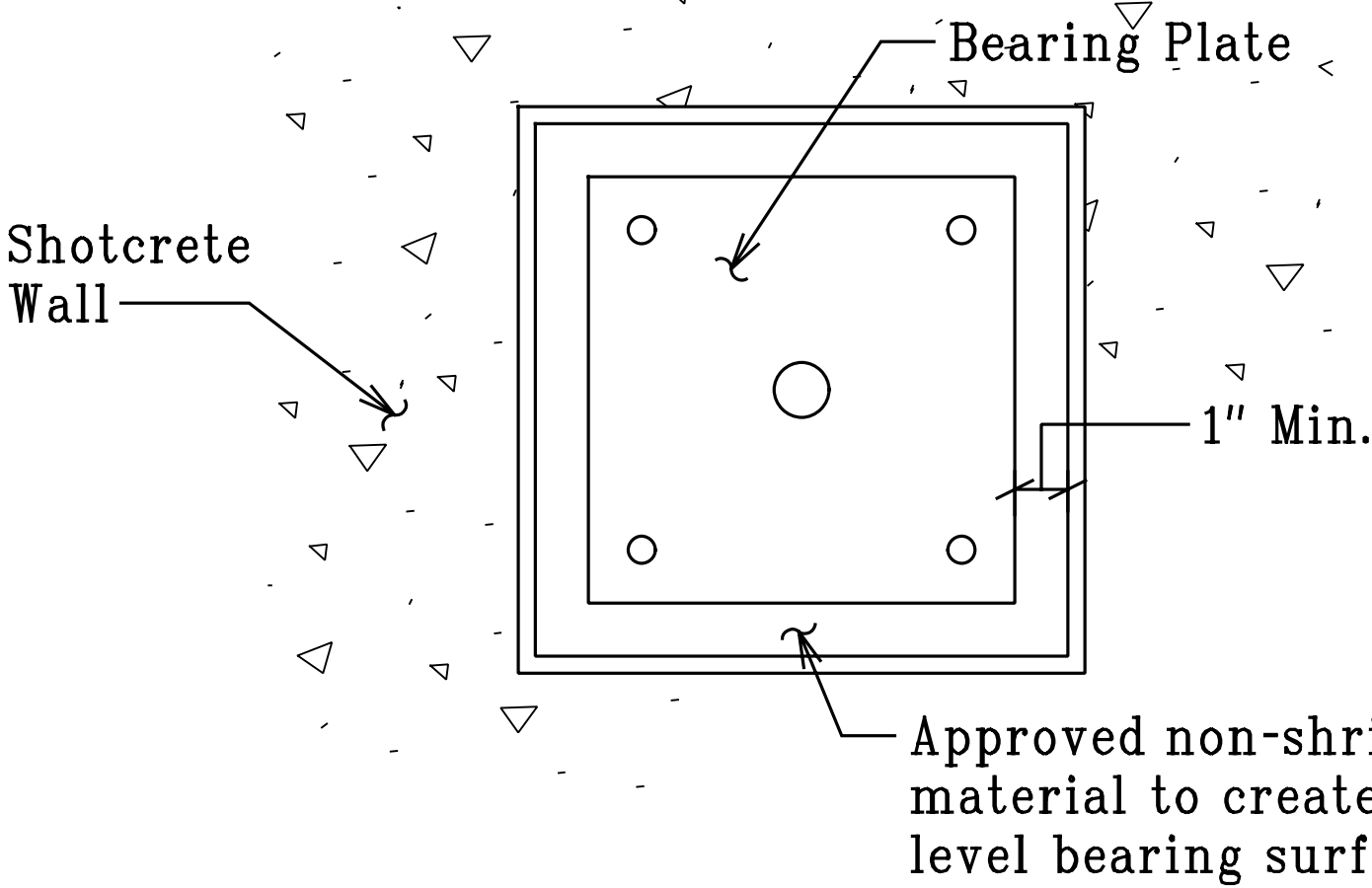


SOIL NAIL CROSS SECTION
AT SOIL NAILS 38B AND 39B

NOTE:
All of this to be encapsulated in third layer of shotcrete with at least 3" cover over steel.



SOIL NAIL BEARING PLATE
CROSS SECTION VIEW



SOIL NAIL BEARING PLATE
ELEVATION VIEW

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

SHOTCRETE WALL

DETAILS

INTERSTATE ROUTE H-1

AIEA STREAM EROSION CONTROL

Project No. H1E-01-11MR

Scale: As Noted

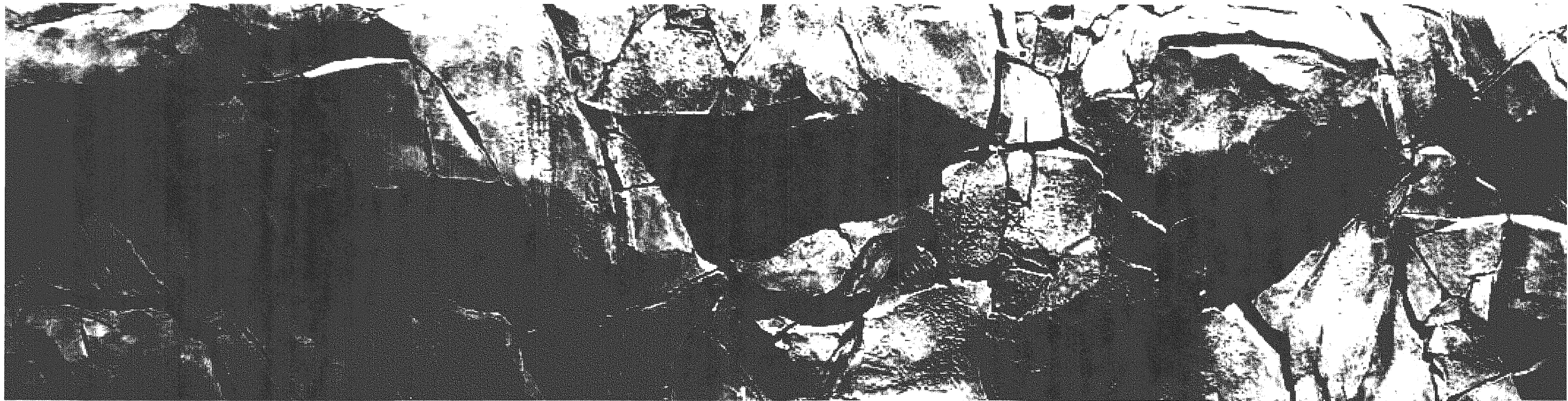
Date: October 2012

SHEET No. SW-7A OF 8

SHEETS

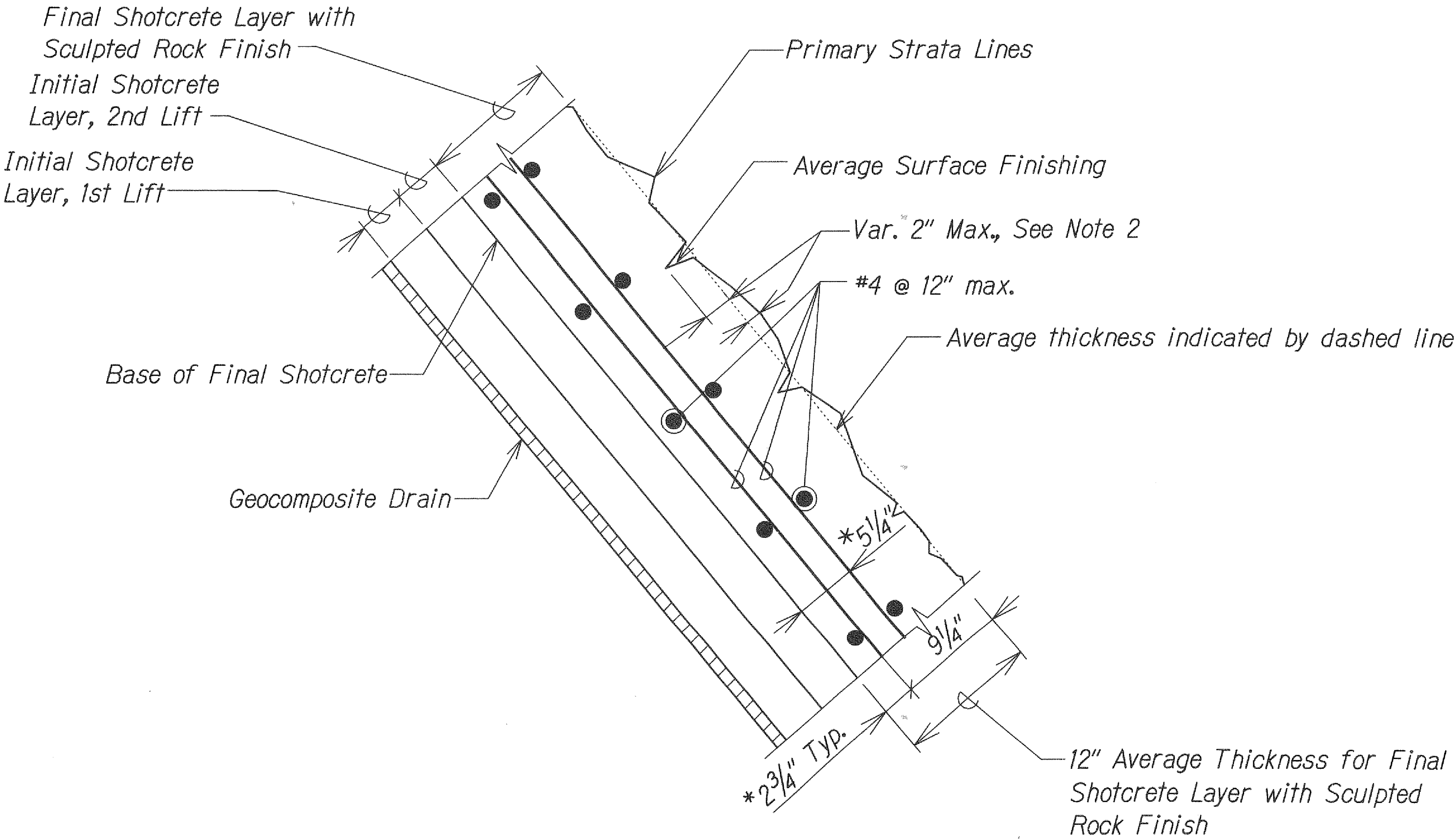
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	H1E-01-11MR	2013	24	49



SCULPTED ROCK FINISH TEXTURE

Scale: NTS



SCULPTED ROCK FINISH TEXTURE TYPICAL SECTION

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

NOTES:

1. Sculpted Rock Finish Texture Photo shown on this sheet represents required finish of Shotcrete Wall that Contractor shall provide. See Specs. Subsection 628.03(Q) for additional requirements.
2. Max 4" Sculpted Rock Finish Texture thickness shall vary Max. 2" from theoretical average thickness line shown.
- *3. Dimensions shown are distance from Base of Final Shotcrete to centerline of rebars.
4. See Special Provisions for Graffiti-Resistant coating.

ORIGINAL PLAN	QUANTITY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

16/SSWMP-Alea Stream Erosion Control/Cadd/Sheets/SW-8.dgn

THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.
Rui Pang Chen
SIGNATURE EXPIRATION DATE
OF THE LICENSE 04/30/12

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**SHOTCRETE WALL
DETAILS**

INTERSTATE ROUTE H-1
AIEA STREAM EROSION CONTROL
Project No. H1E-01-11MR
Scale: As Noted Date: September 2012