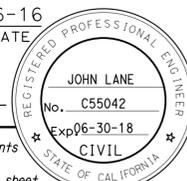
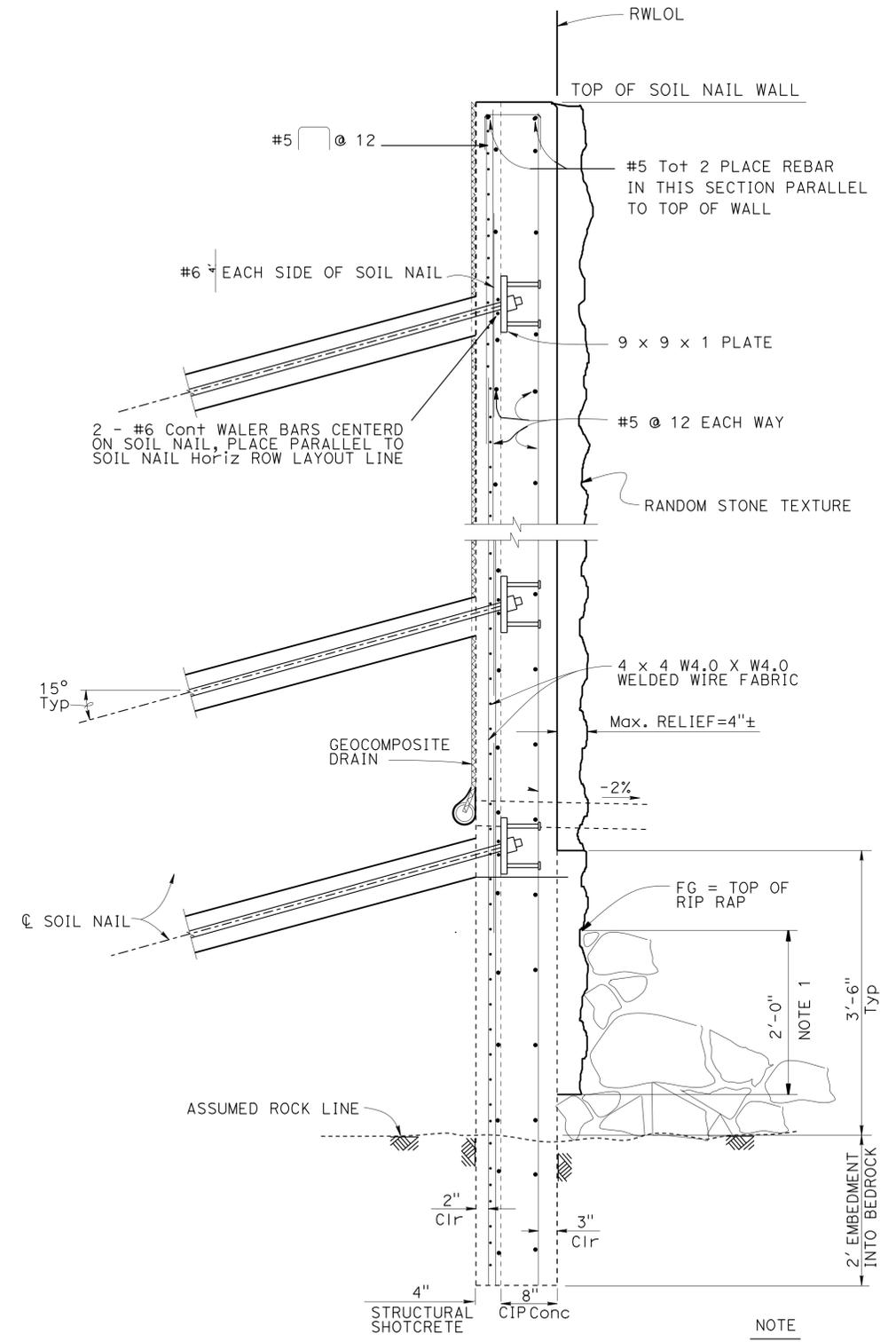
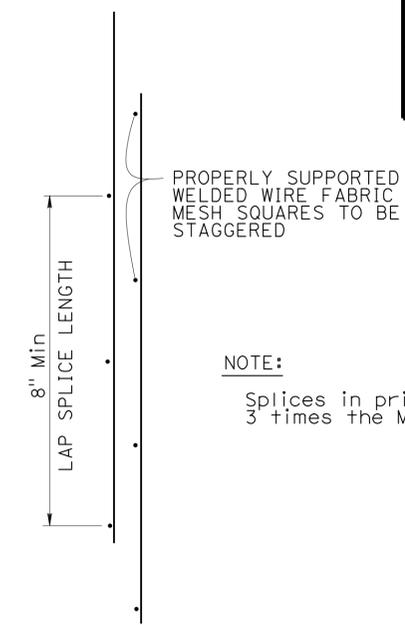


DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	33	15.7	101	108
			6-16-16		
REGISTERED CIVIL ENGINEER			DATE		
6-24-16			PLANS APPROVAL DATE		
					
<small>The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.</small>					



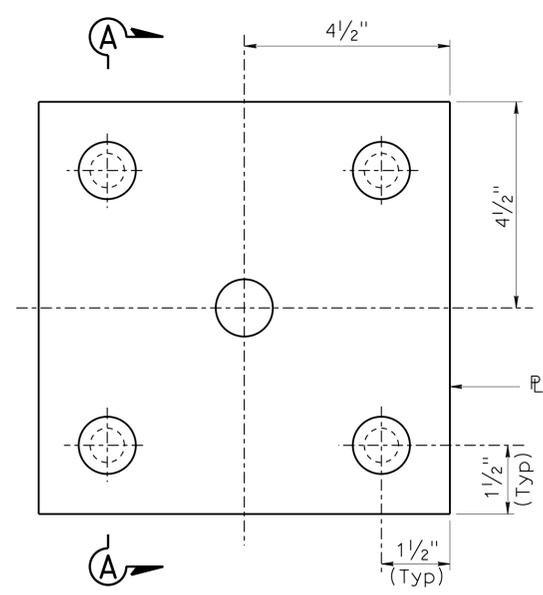
TYPICAL SECTION
1" = 1'-0"

NOTE
1. Random Stone Texture to extend approximately 2'-0" below finish Grade.

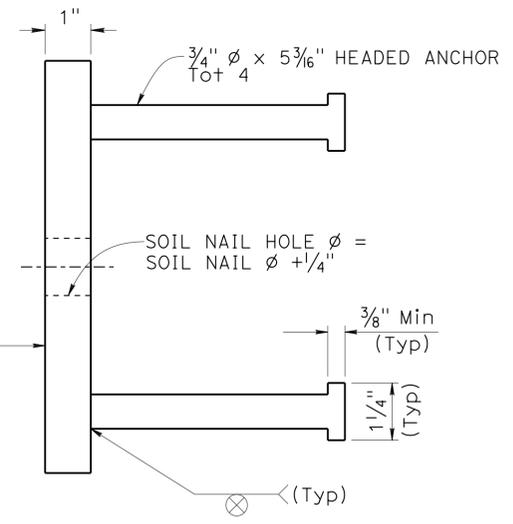


NOTE:
Splices in primary wall reinforcement require Min Clr 3 times the Max aggregate size around each bar

LAP SPLICE
NO SCALE



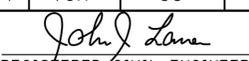
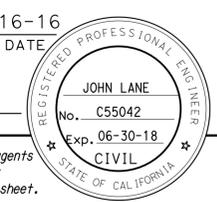
PLAN

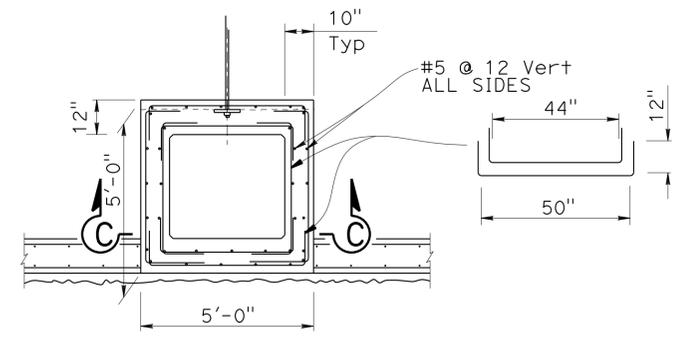


SECTION A-A

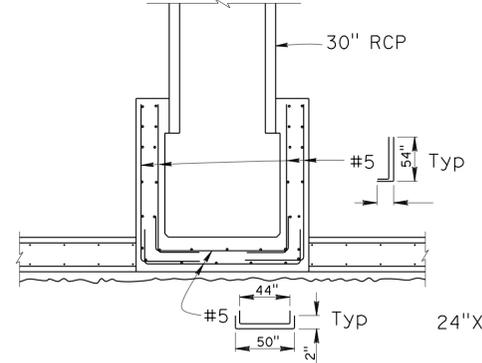
BEARING PLATE
NO SCALE

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 09-01-10) ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	DESIGN	BY J. Lane	CHECKED D. Dunrud	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH 14	BRIDGE NO.	NA	STATE ROUTE 33 SOIL NAIL WALL SOIL NAIL WALL DETAILS NO. 2	
	DETAILS	BY L. Xiong / Y. Tang / K. Kubo	CHECKED J. Lane			POST MILE	15.7		
	QUANTITIES	BY J. Lane	CHECKED D. Dunrud			CONTRACT NO.:	07-305201		
				UNIT: 3613	PROJECT NUMBER & PHASE: 0714000092	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES 02-17-16 02-23-16 02-23-16 03-14-16	SHEET OF 4 11

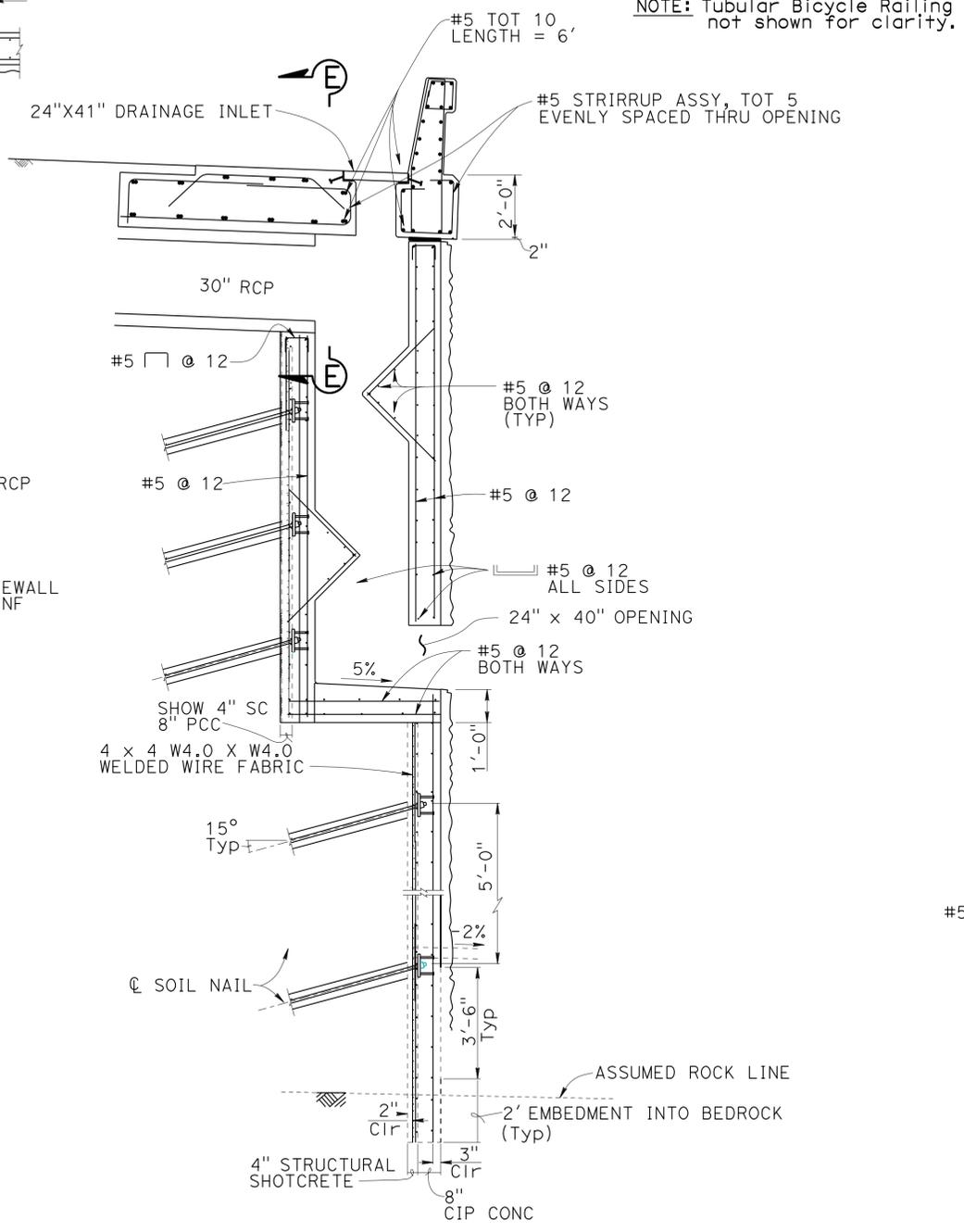
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	33	15.7	102	108
			6-16-16	DATE	
REGISTERED CIVIL ENGINEER					
6-24-16			PLANS APPROVAL DATE		
					
<small>The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.</small>					



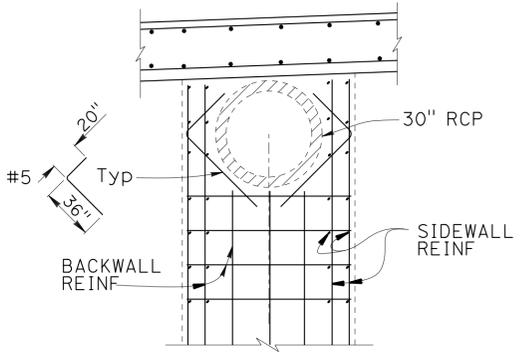
SECTION B-B
No Scale



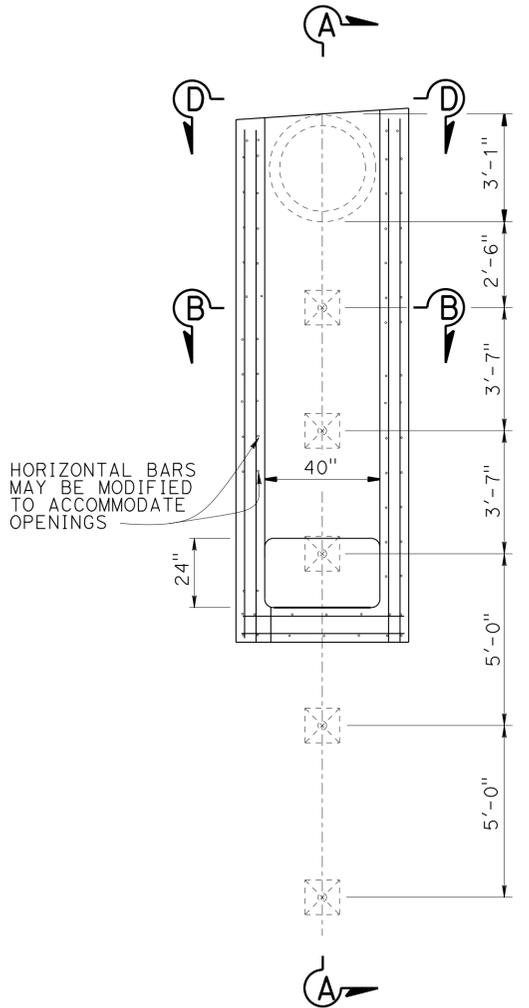
SECTION D-D
No Scale



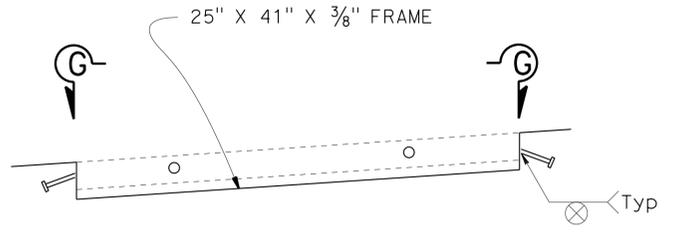
SECTION A-A
 $\frac{3}{8}'' = 1'-0''$



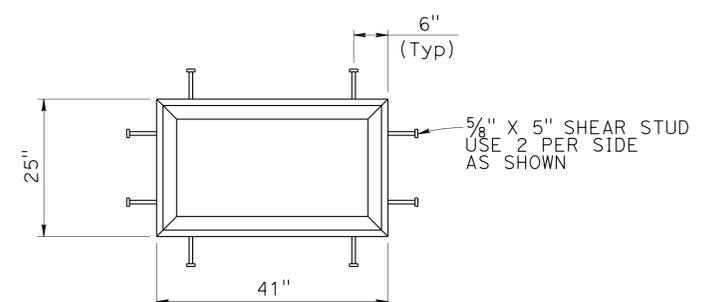
SECTION E-E
 $\frac{3}{8}'' = 1'-0''$



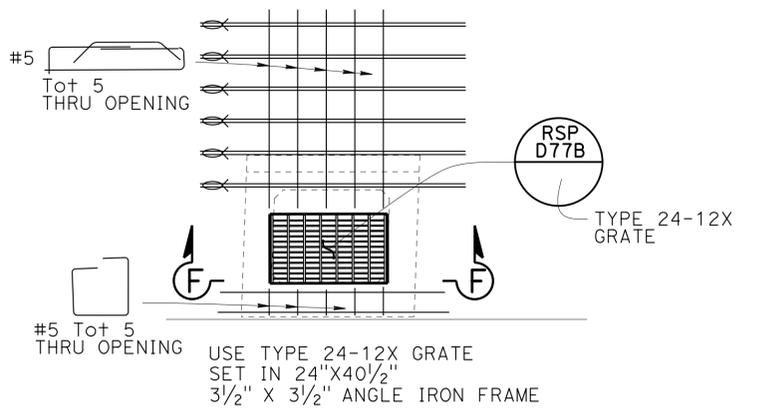
SECTION C-C
 $\frac{3}{8}'' = 1'-0''$



SECTION F-F
No Scale



SECTION G-G
No Scale



PLAN
No Scale

NOTE: Tubular Bicycle Railing not shown for clarity.

DESIGN	BY J. Lane	CHECKED D. Dunrud
DETAILS	BY K. Kubo	CHECKED J. Lane
QUANTITIES	BY J. Lane	CHECKED D. Dunrud

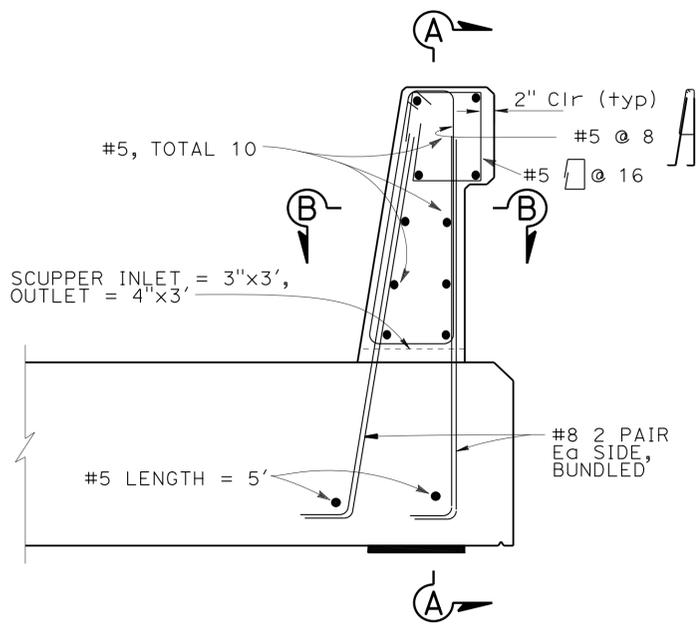
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
STRUCTURE DESIGN
DESIGN BRANCH 14

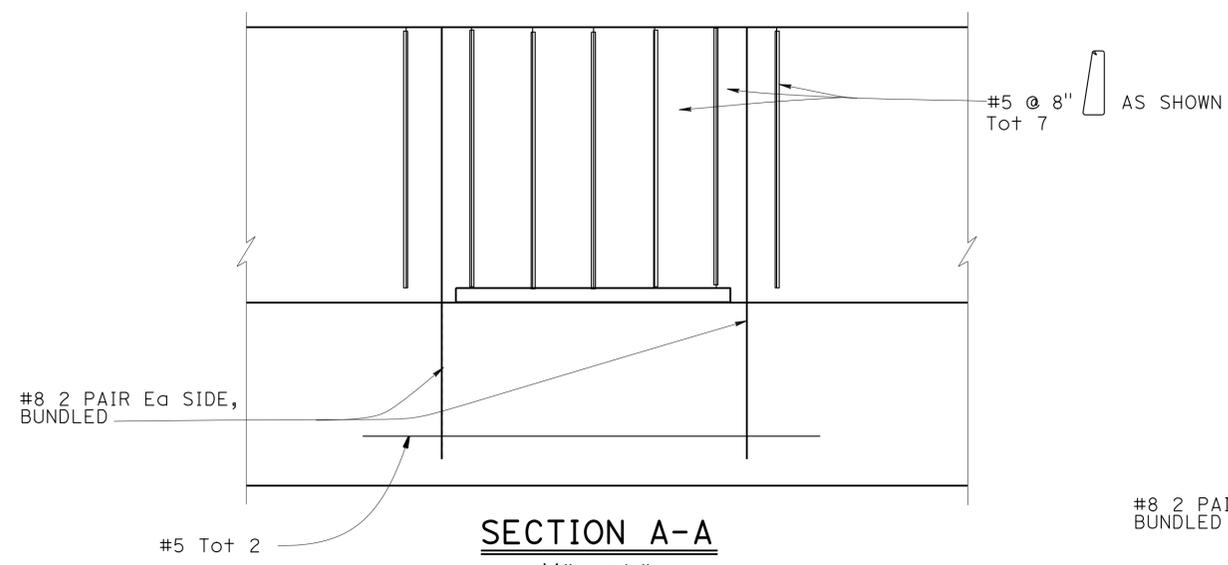
BRIDGE NO.	NA
POST MILE	15.7

STATE ROUTE 33 SOIL NAIL WALL
SOIL NAIL WALL DETAILS NO. 3

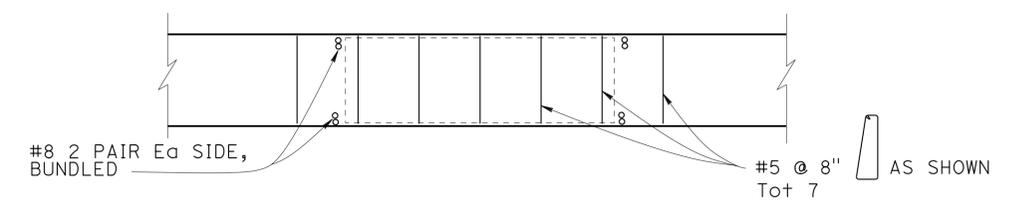
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	33	15.7	104	108
<i>John Lane</i> REGISTERED CIVIL ENGINEER			6-16-16 DATE	JOHN LANE No. C55042 Exp. 06-30-18 CIVIL STATE OF CALIFORNIA	
6-24-16 PLANS APPROVAL DATE			The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.		



BARRIER SECTION
 1/4" = 1'0"



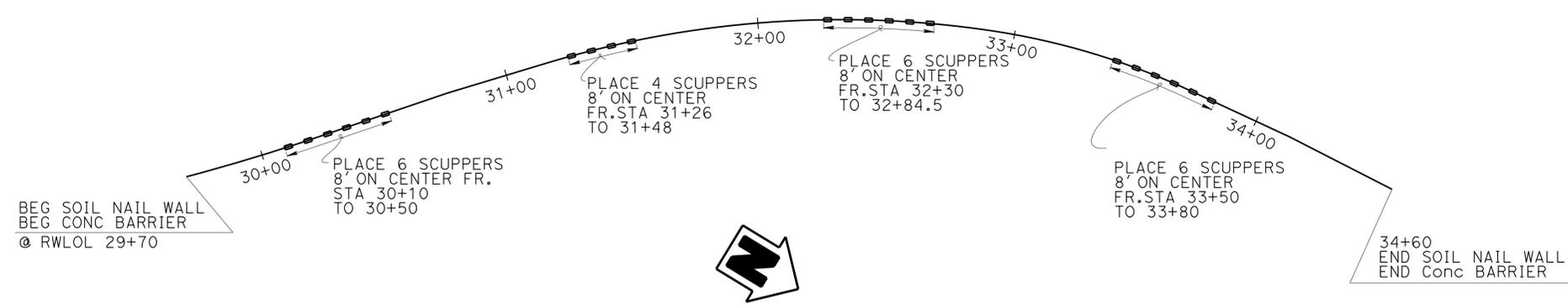
SECTION A-A
 1/4" = 1'0"



SECTION B-B
 1/4" = 1'0"

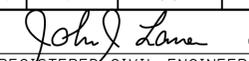
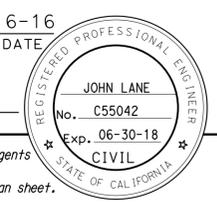
NOTES:

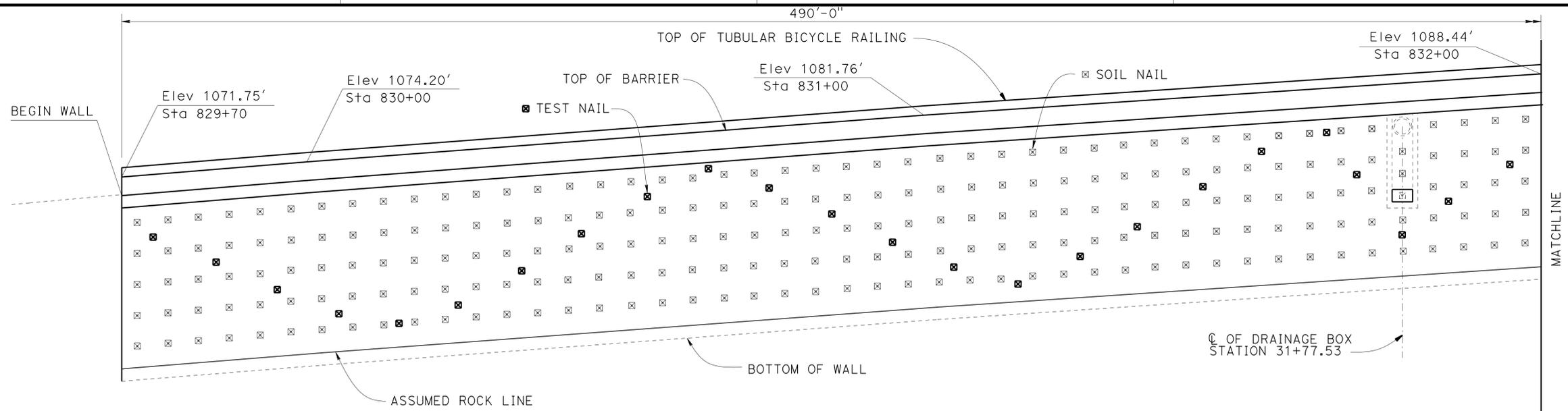
1. Sections A-A & B-B, not all Reinforcement shown for clarity.
2. Barrier Section, Tubular Bicycle Railing not shown for clarity.



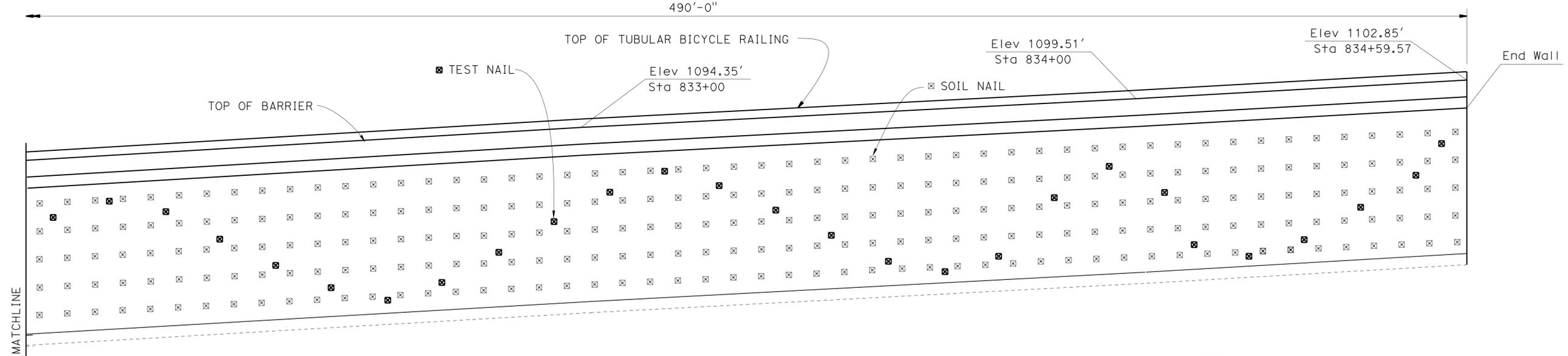
PLAN
 1" = 30'-0"

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 09-01-10) ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	DESIGN	BY J. Lane	CHECKED D. Dunrud	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH 14	BRIDGE NO.	NA	STATE ROUTE 33 SOIL NAIL WALL SCUPPER DETAILS
	DETAILS	BY L. Xiong / K. Kubo	CHECKED J. Lane			POST MILE	15.7	
	QUANTITIES	BY J. Lane	CHECKED D. Dunrud			UNIT: 3613 PROJECT NUMBER & PHASE: 0714000092	CONTRACT NO.: 07-305201	
REVISION DATES: 03-08-06, 03-14-16, 02-10-16, 02-19-16								SHEET 7 OF 11

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	33	15.7	105	108
 REGISTERED CIVIL ENGINEER			6-16-16	DATE	
6-24-16 PLANS APPROVAL DATE					
<small>The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.</small>					



Elev = 1025' RWLOL
 830+00 **DEVELOPED ELEVATION** 831+00 832+00
 1" = 10'-0"



Elev = 1025'
 833+00 **DEVELOPED ELEVATION** 834+00
 1" = 10'-0"

- NOTES:**
- Place top row of Nails at 2'-6" from Top of Wall.
 - Place bottom row of Nails at approx. 3'-6" above Rock Line.
 - Except for Test Nails, all Soil Nails shall be placed @ 5'-0" from each other in each direction.
 - Anchor Wall 2'-0" into Bedrock.

NOTE: Test Nail placement may be modified by Engineer as needed

DESIGN	BY J. Lane	CHECKED D. Dunrud
DETAILS	BY L. Xiong / K. Kubo	CHECKED J. Lane
QUANTITIES	BY J. Lane	CHECKED D. Dunrud

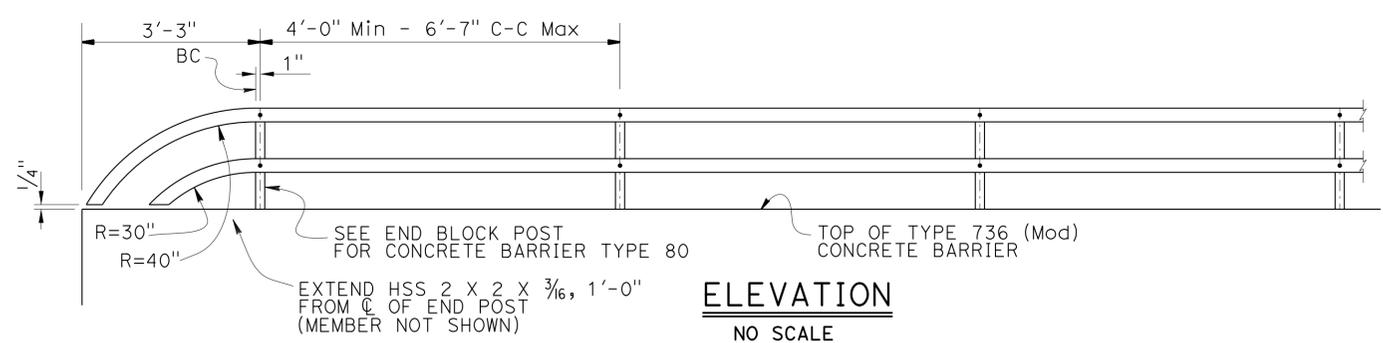
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 STRUCTURE DESIGN
DESIGN BRANCH 14

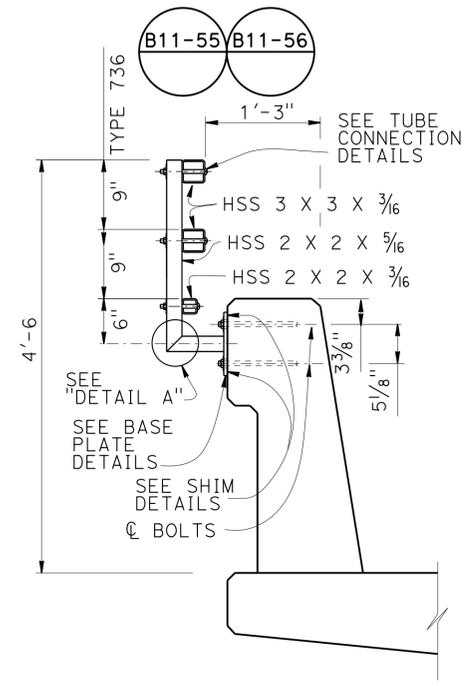
BRIDGE NO.	NA
POST MILE	15.7

STATE ROUTE 33 SOIL NAIL WALL
NAIL LAYOUT

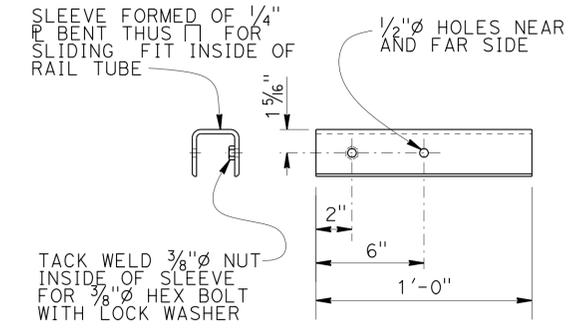
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	33	15.7	106	108
			6-16-16	DATE	
			6-24-16	PLANS APPROVAL DATE	
REGISTERED CIVIL ENGINEER JOHN LANE No. C55042 Exp. 06-30-18 CIVIL STATE OF CALIFORNIA					



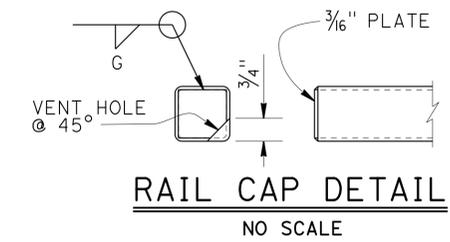
ELEVATION
NO SCALE



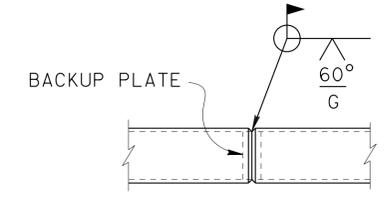
TYPE 732 OR 736
1" = 1'-0"



SLEEVE DETAIL
NO SCALE



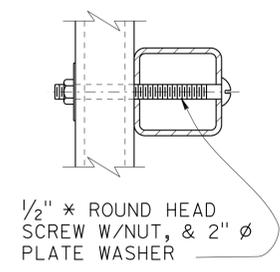
RAIL CAP DETAIL
NO SCALE



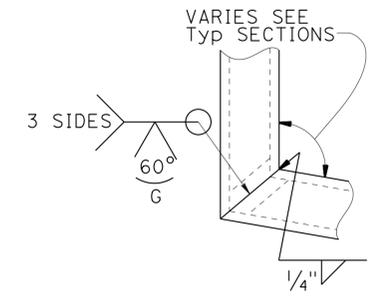
WELDED SPLICE DETAIL
NO SCALE

NOTES:

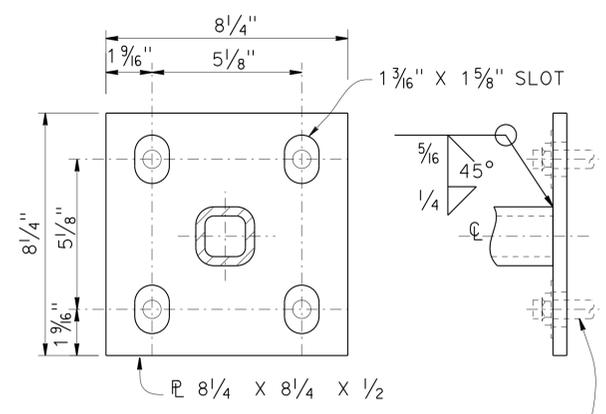
1. Post must be normal to railing.
2. Rail tubes must be shop bent or fabricated to fit horizontal curve when radius is less than 950'.
3. Top rail tube must be continuous over not less than two posts except a short post spacing is permitted near deck or wall joints, electroliers, or other rail discontinuities as noted.
4. See Project Plans for limits of tubular bicycle railing.



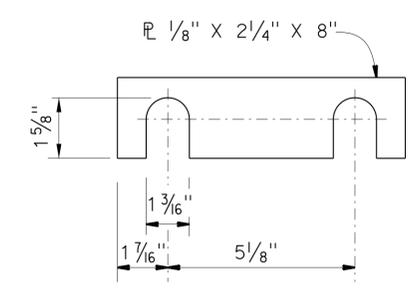
TUBE CONNECTION DETAIL
NO SCALE



DETAIL A
NO SCALE



BASE PLATE DETAIL
NO SCALE



SHIM DETAILS
NO SCALE

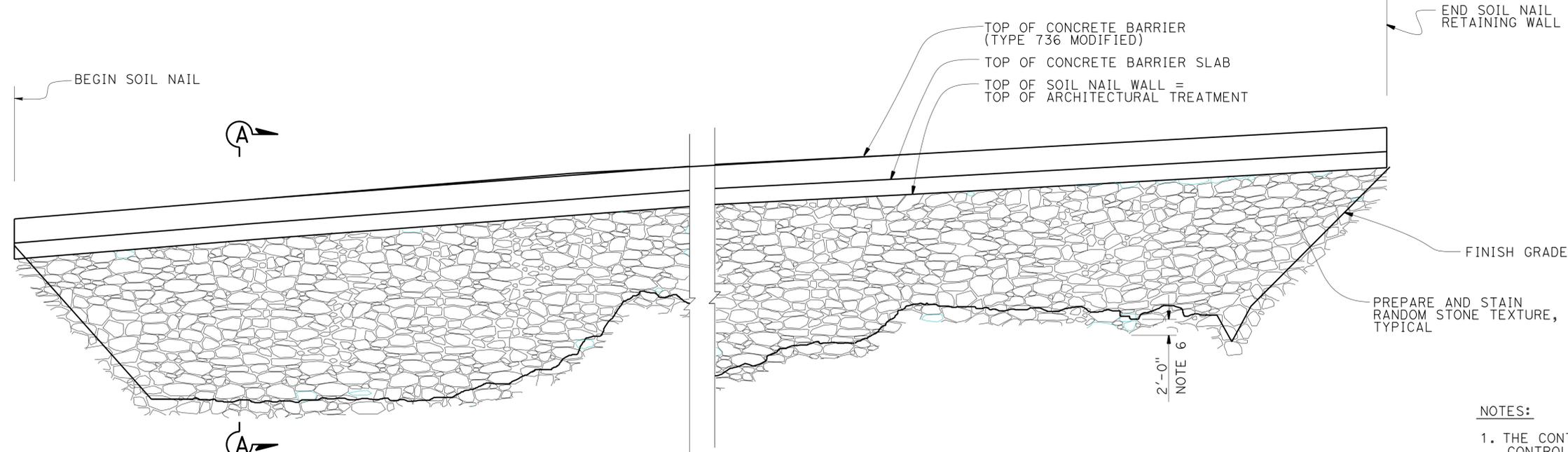
STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 09-01-10)	DESIGN	BY J. Lane	CHECKED D. Dunrud	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH 14	BRIDGE NO.	NA	STATE ROUTE 33 SOIL NAIL WALL TUBULAR BICYCLE RAILING
	DETAILS	BY K. Kubo	CHECKED J. Lane			POST MILE	15.7	
	QUANTITIES	BY J. Lane	CHECKED D. Dunrud			CONTRACT NO.:	07-305201	
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS				UNIT: 3613 PROJECT NUMBER & PHASE: 0714000092		REVISION DATES		SHEET 9 OF 11

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	33	15.7	107	108

<i>John Lane</i> 6-16-16 REGISTERED CIVIL ENGINEER DATE	
6-24-16 PLANS APPROVAL DATE	

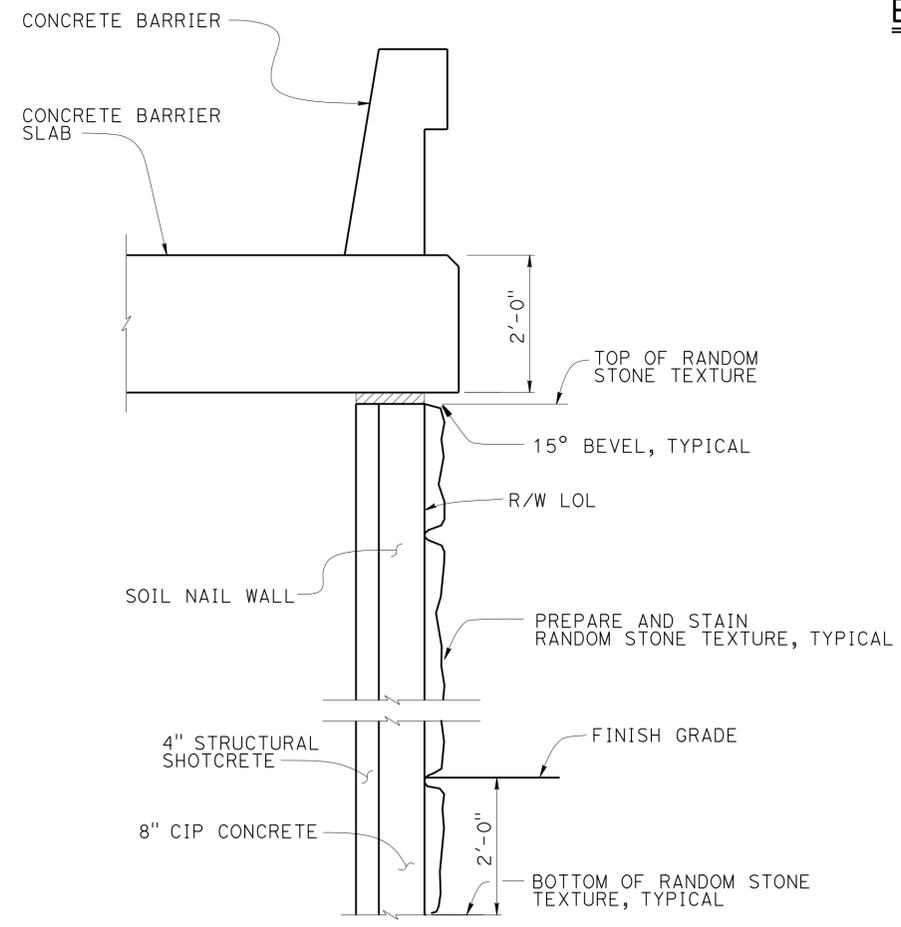
REGISTERED PROFESSIONAL ENGINEER
 JOHN LANE
 No. C55042
 Exp. 06-30-18
 CIVIL
 STATE OF CALIFORNIA

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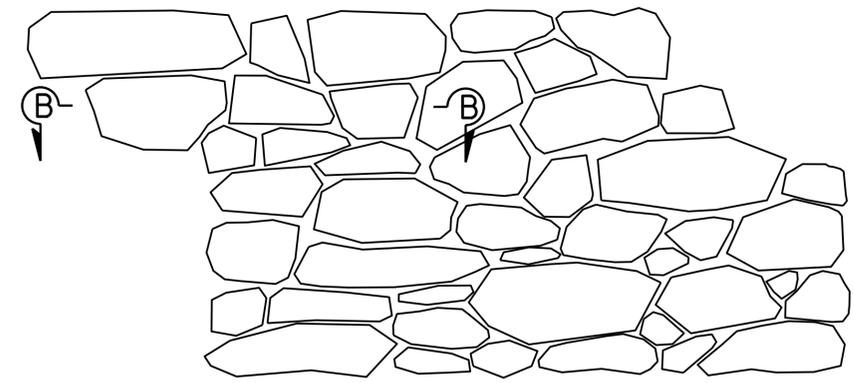


ELEVATION
 $\frac{1}{8}'' = 1'-0''$

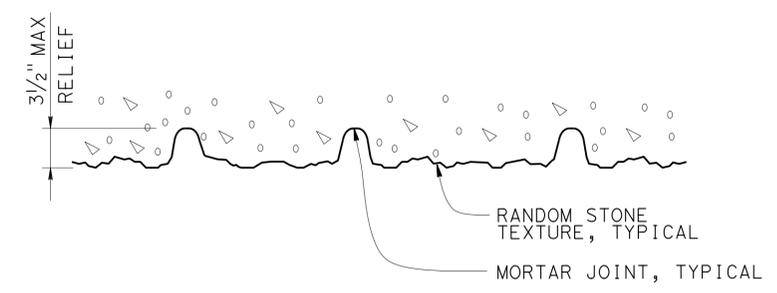
- NOTES:**
1. THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.
 2. ARCHITECTURAL TREATMENT TO BE TERMINATED 2'-0" BELOW FINISH GRADE.
 3. RANDOM STONE TEXTURE TO BE PATTERN MATCHED ON ALL FOUR SIDES, TYPICAL
 4. FORM LINER SEAMS SHALL OCCUR IN THE MORTAR JOINT.
 5. TUBULAR BICYCLE RAILING NOT SHOWN FOR CLARITY.
 6. EXTEND RANDOM STONE TEXTURE 2'-0" BELOW FINISH GRADE.



SECTION A-A
 $\frac{3}{4}'' = 1'-0''$



RANDOM STONE TEXTURE
 $\frac{1}{4}'' = 1'-0''$

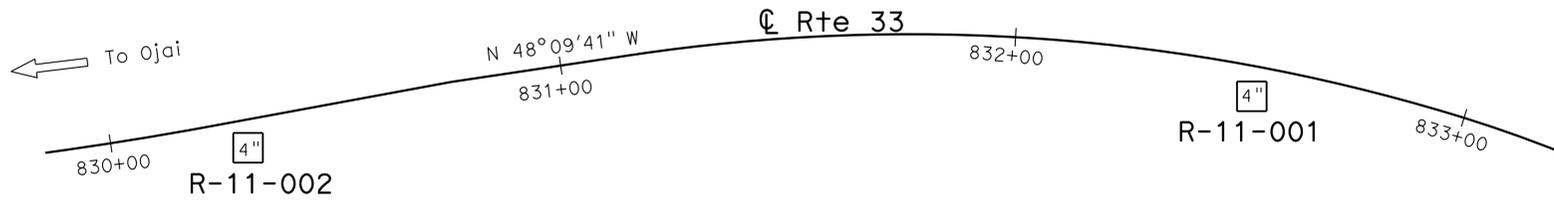


SECTION B-B
 No Scale

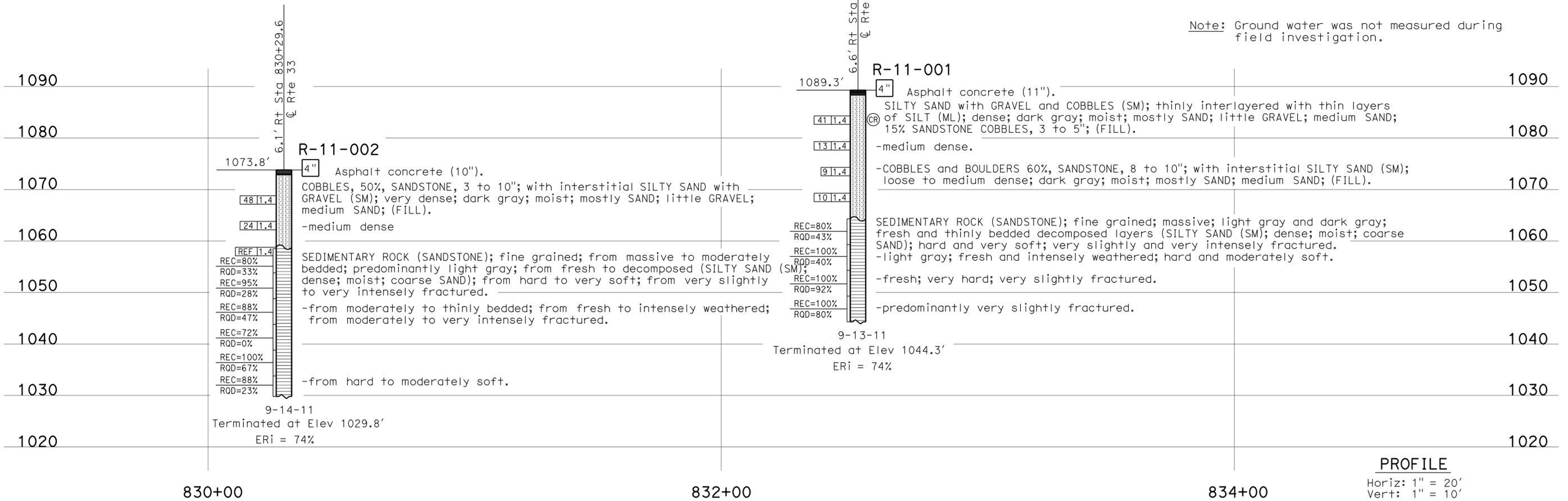
STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 09-01-10)	DESIGN	BY I. Tasabia	CHECKED J. Lane	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH 14	BRIDGE NO.	NA	STATE ROUTE 33 SOIL NAIL WALL ARCHITECTURAL DETAILS	
	DETAILS	BY I. Tasabia / K. Kubo	CHECKED J. Lane			POST MILE	15.7		
QUANTITIES	BY D. Dunrud	CHECKED J. Lane							
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS				UNIT: 3613 PROJECT NUMBER & PHASE: 0714000092		CONTRACT NO.: 07-305201		DISREGARD PRINTS BEARING EARLIER REVISION DATES	
				0 1 2 3		REVISION DATES 03-10-16 03-14-16 03-01-16 03-08-16		SHEET 10	OF 11

BENCH MARK

"S 1099" (NGS PID EW 5364)
 SP on 1/2 iron pipes with
 plastic plugs stamped "P&S CTRL"
 N= 2002646.6516
 E= 616287.332
 Elev= 1135.02



PLAN
 1" = 20'



PROFILE
 Horiz: 1" = 20'
 Vert: 1" = 10'

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ven	33	15.7	108	108

02-26-16
 REGISTERED CIVIL ENGINEER DATE

6-24-16
 PLANS APPROVAL DATE

Seungwoon Han
 No. 73527
 Exp. 12-31-16
 CIVIL
 STATE OF CALIFORNIA

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This LOTB sheet was prepared in accordance with the Caltrans Soil & Rock Logging, Classification, & Presentation Manual (2010 Edition).

ENGINEERING SERVICES		MATERIALS AND GEOTECHNICAL SERVICES		STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION		DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH 14		BRIDGE NO. NA POST MILE 15.7/15.8		STATE ROUTE 33 SOIL NAIL WALL LOG OF TEST BORINGS 1 OF 1	
FUNCTIONAL SUPERVISOR NAME: D. Jang	DRAWN BY: F. Nguyen CHECKED BY: H. Liu	FIELD INVESTIGATION BY: S. Han		UNIT: 3643 PROJECT NUMBER & PHASE: 0714000092		CONTRACT NO.: 07-305201		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES 06-23-15 12-16-15 02-19-16 03-01-16	
OGS CIVIL LOG OF TEST BORINGS SHEET				ORIGINAL SCALE IN INCHES FOR REDUCED PLANS				SHEET 11 OF 11		DATE PLOTTED => 03-AUG-2016	