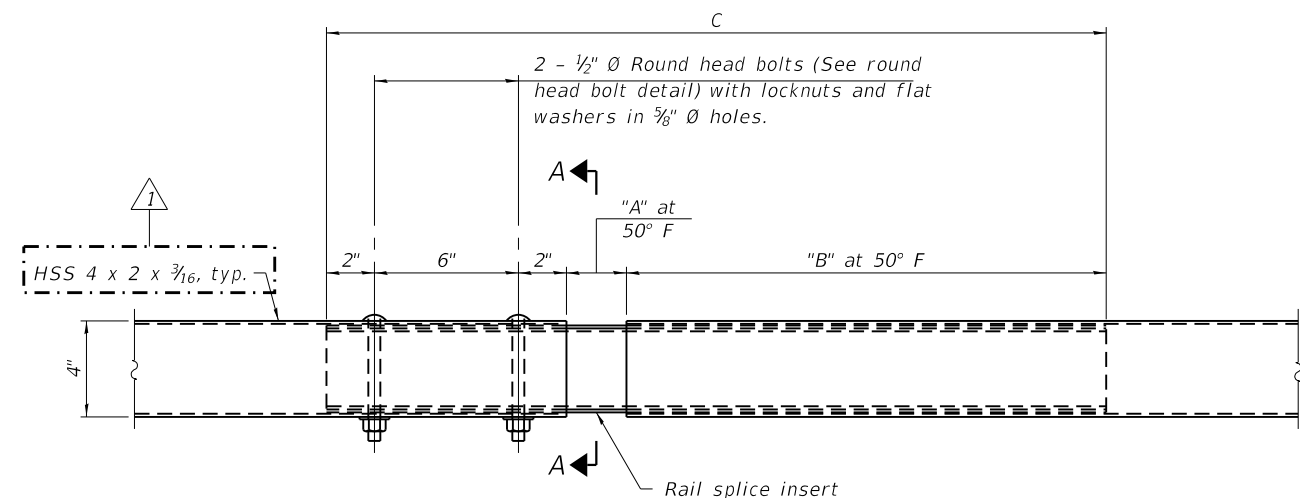
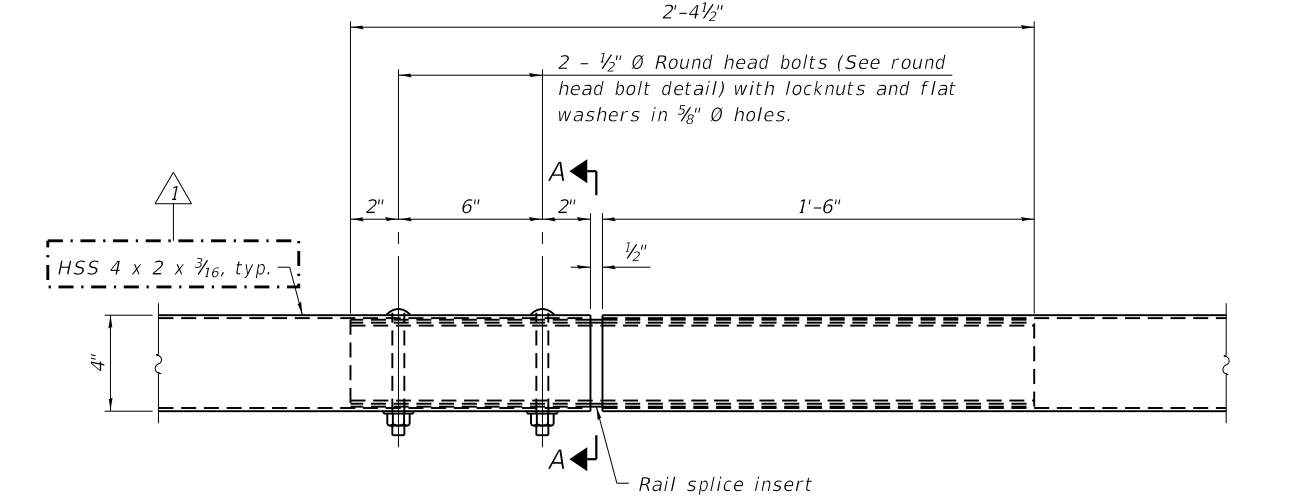


OUTSIDE ELEVATION OF PARAPET

SECTION THRU PARAPET

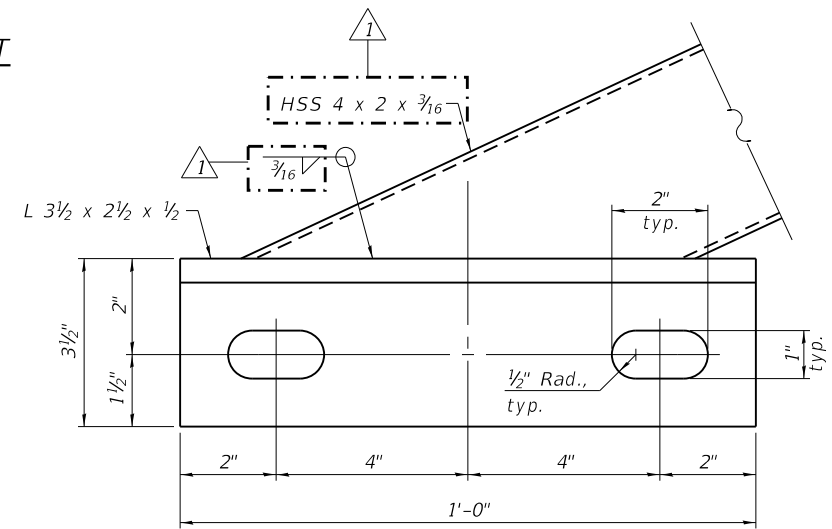


RAIL SPLICE ELEVATION (At railing expansion joint)



RAIL SPLICE ELEVATION (At railing relief joint)

(7'-0" to 10'-0" Post Spacing)

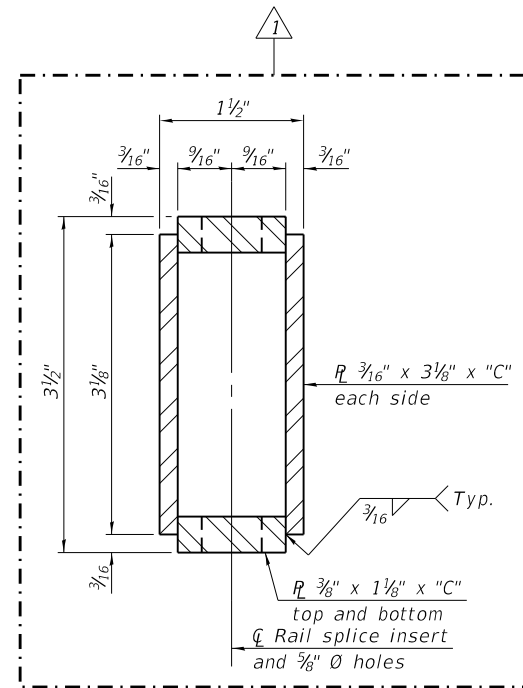


DETAIL A (Bolts omitted for clarity)

SPLICE DIMENSIONS

*T	A	B	C
≤4"	2 1/2"	1'-8"	2'-8 1/2"
≤6 1/2"	3 3/4"	1'-9 1/4"	2'-11"
≤9"	5"	1'-10 1/2"	3'-1 1/2"
≤13"	7"	2'-0 1/2"	3'-5 1/2"

*T = Total movement at expansion joint (as shown on the design plans)



SECTION A-A

Notes:

This work shall be according to Section 509 of the Standard Specifications except as noted.

Rail posts shall not be located closer than 1'-3" to an existing bridge expansion joint or end of bridge.

Railing expansion joints shall be provided between any two (2) posts which span a bridge expansion joint.

Railing relief joints shall be placed between rail sections that do not span over an expansion joint.

All HSS tubing, post and railing shall be CVN tested according to Article 1006.34(b) of the Standard Specifications.

Threaded rods shall be ASTM F1554, Grade 36.

This work will be paid for at the contract unit price per foot for BICYCLE RAILING (PARAPET MOUNTED).

BILL OF MATERIAL

Item	Unit	Quantity
Bicycle Railing (Parapet Mounted)	Foot	252

(Sheet 1 of 2)



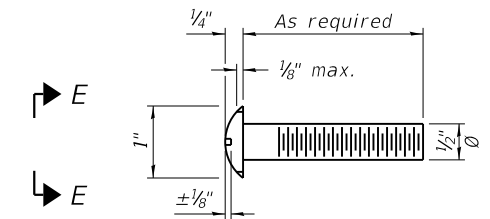
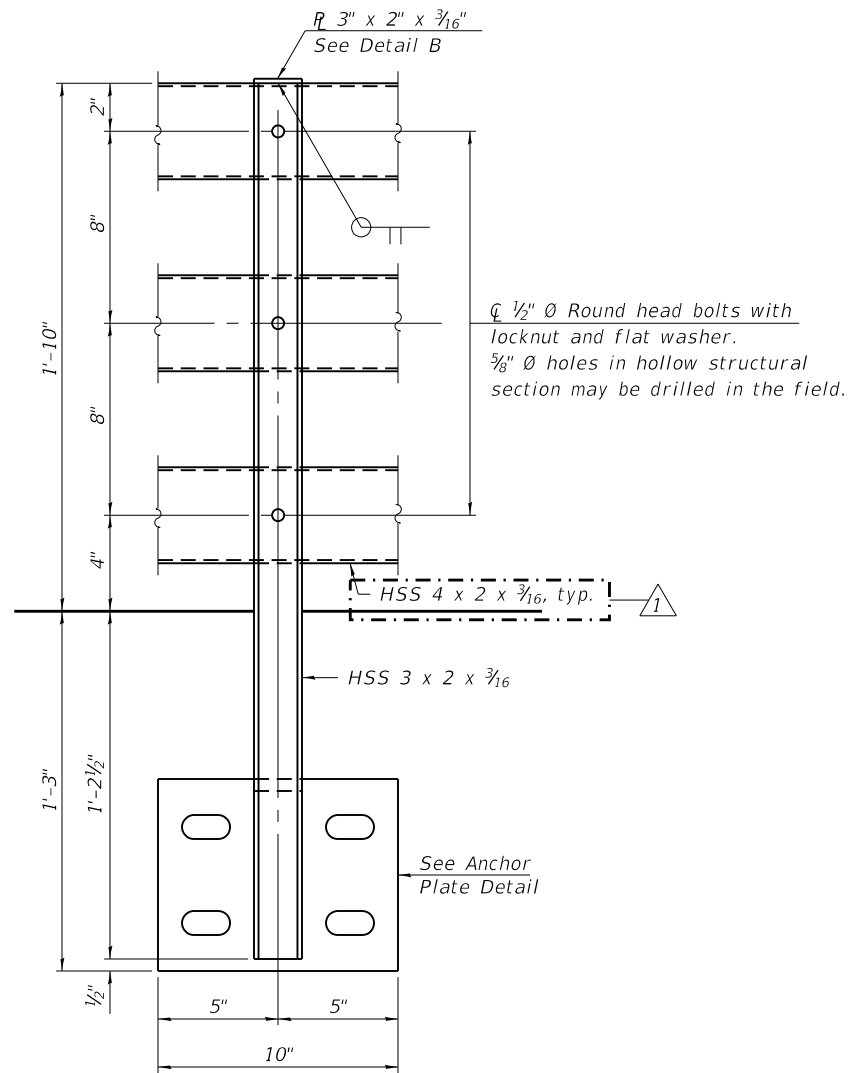
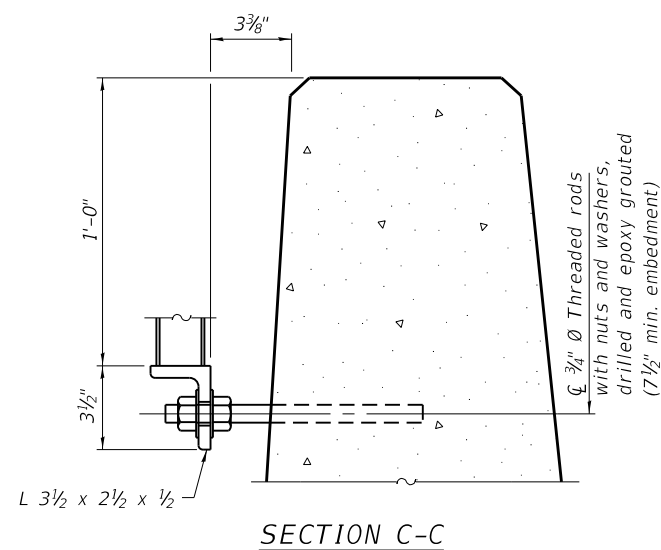
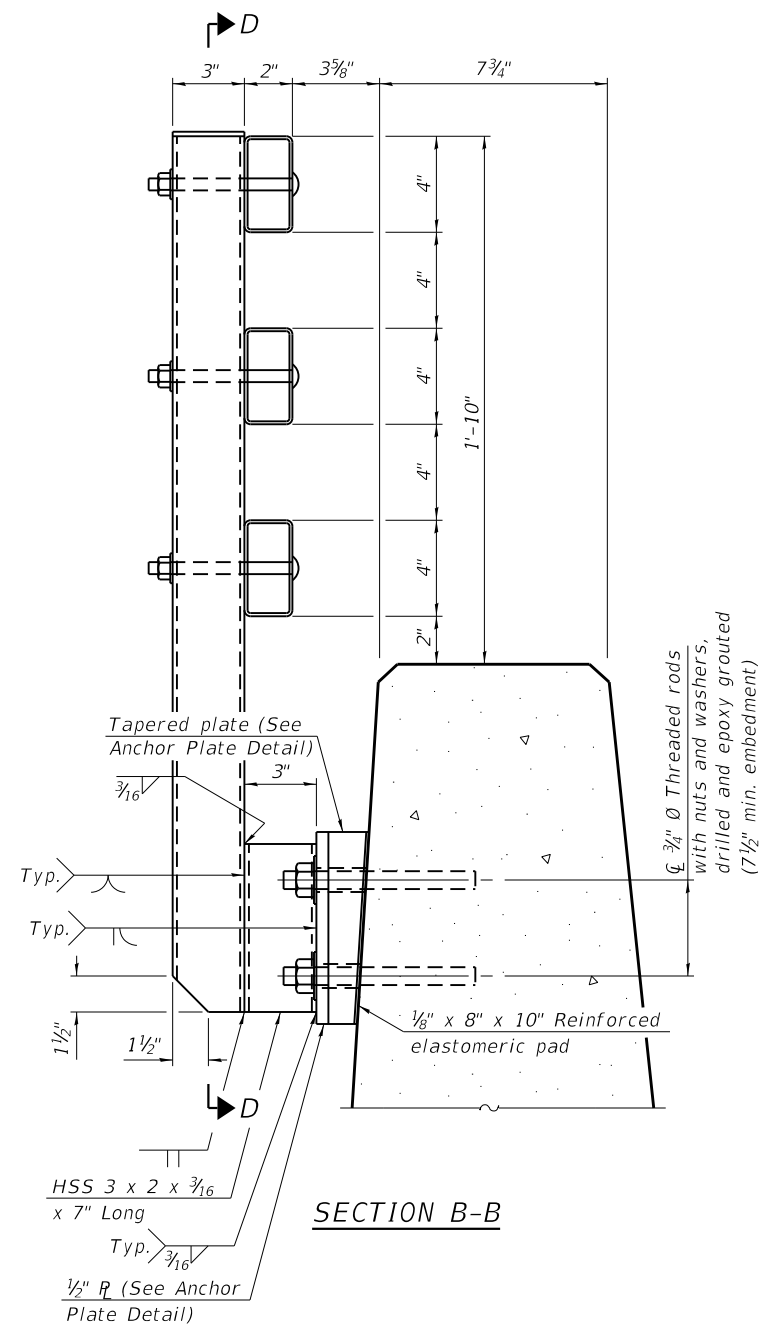
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CHECKED - JCZ	REVISED
DRAWN - DJM	REVISED
CHECKED - JML	REVISED
DATE - 08/20/2021	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

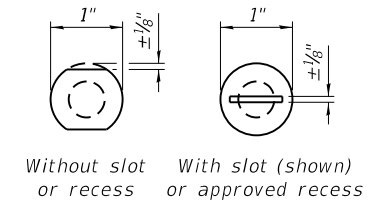
BICYCLE RAILING (PARAPET MOUNTED)
STRUCTURE NO. 101-9961

SHEET NO. 12 OF 36 SHEETS

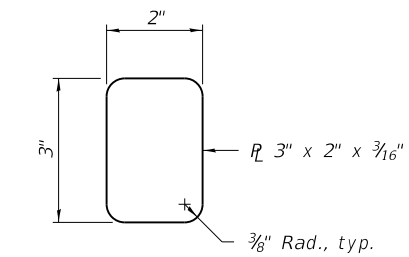
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	ROCK CUT PHASE 2-2022	WINNEBAGO	119	64
CONTRACT NO. 46930				
ILLINOIS FED. AID PROJECT				



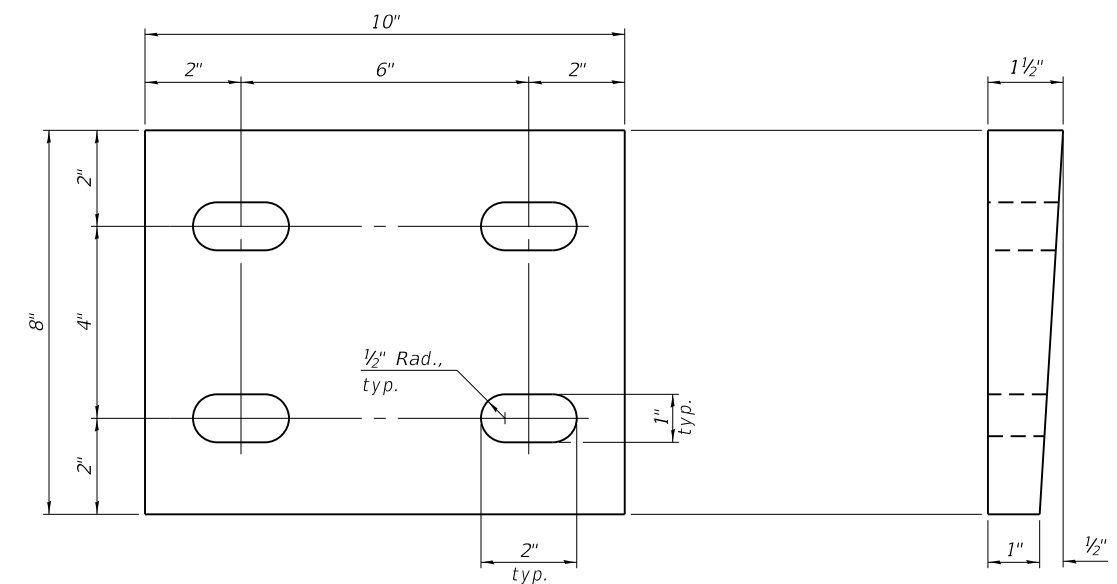
ROUND HEAD BOLT DETAIL



VIEW E-E



DETAIL B

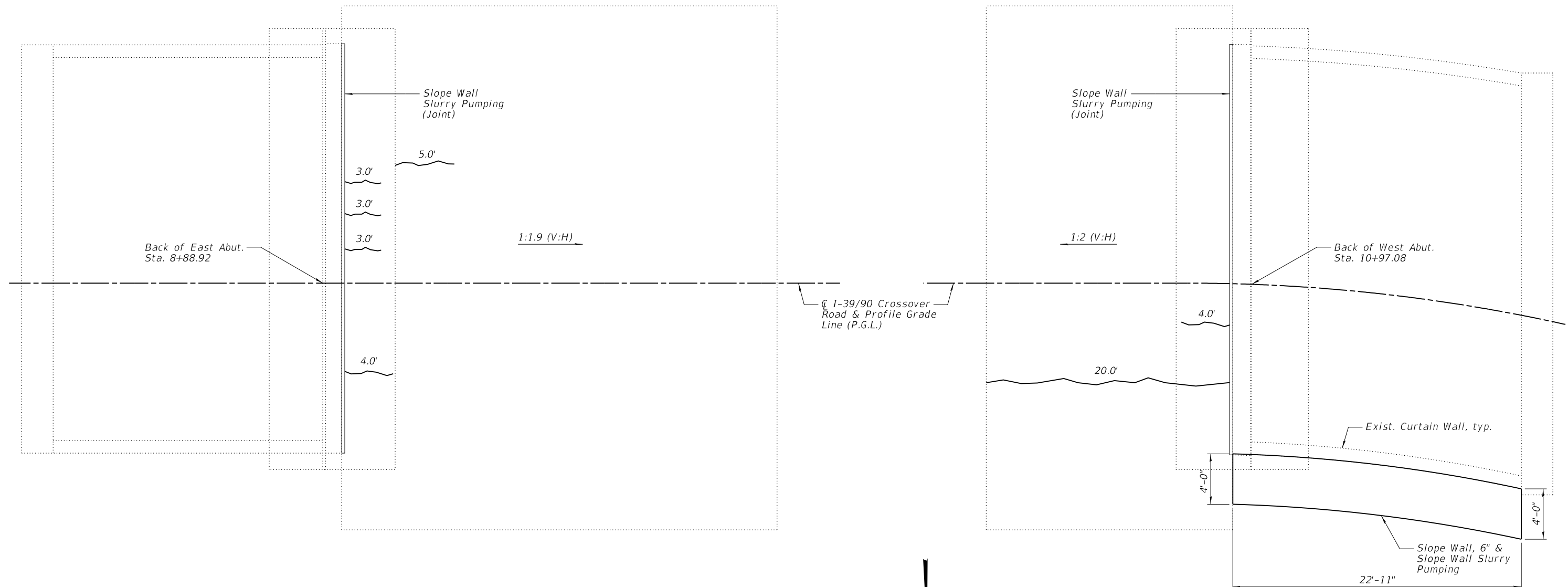


ANCHOR PLATE DETAIL
(For 1/2" R and tapered R)

SECTION THRU
TAPERED PLATE

Notes:
Drill & grout into existing concrete according to Section 584 of the Standard Specifications.

(Sheet 2 of 2)



SLOPE WALL PLAN

BILL OF MATERIAL

Item	Unit	Quantity
Slope Wall, 6 Inch	Sq. Yd.	10
Slope Wall Crack Sealing	Foot	42
Slope Wall Slurry Pumping	Cu. Yd.	7



LEGEND

Slope Wall
 ~~~~~ Crack Sealing

**NOTES:**

- 1.) Slope wall shall be reinforced with welded wire fabric, 6" x 6" - W4.0 x W4.0 weighing 58 lbs. per 100 sq. ft.
- 2.) The repair areas shown are estimated based on a field inspection conducted in March 2021. The actual repair areas required shall be verified according to the Special Provisions.