

BEGIN WALL  
US-95 STA. 274+98.00  
TOP OF WALL 39.0 RT.  
WLOL STA. 0+00

END WALL  
APPROX. SH-95 STA. 277+45.6  
TOP OF WALL 39.0 RT.  
WLOL STA. 2+47.6

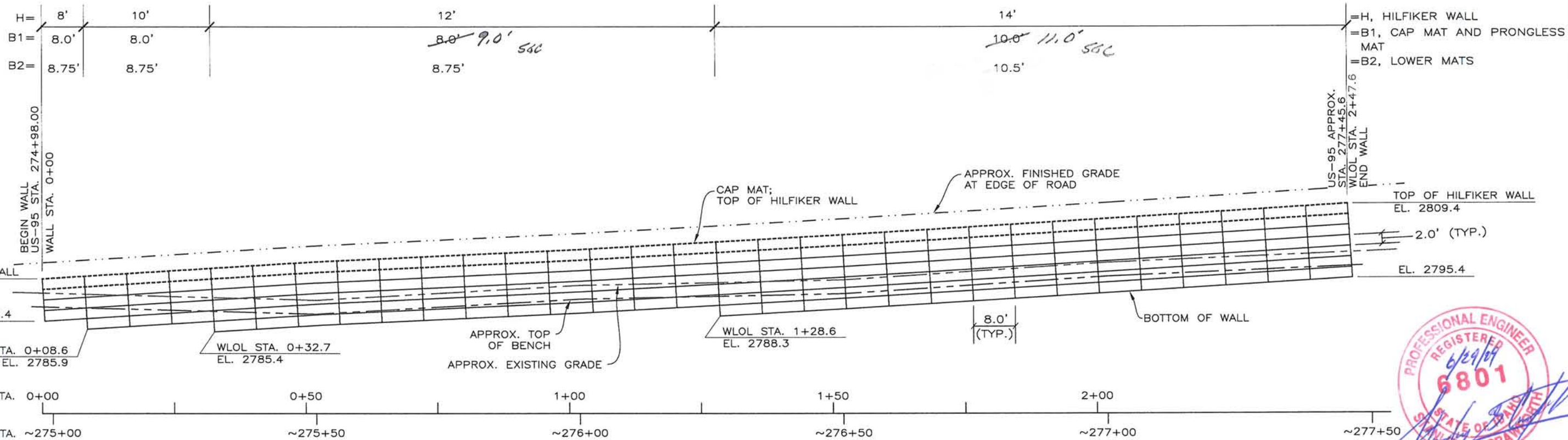
**NOTES:**

- CENTERLINE CONTROL INFORMATION UNAVAILABLE ON ITD DRAWINGS. STATIONS AND ELEVATIONS ARE APPROXIMATE AND BASED ON A STARTING LOCATION OF SH-95 CENTERLINE STA. 274+98.
- ASSUMED DESIGN CENTERLINE IS STRAIGHT FOR THE MSE WALL AT SEGMENT 2, STA. 274+98 TO STA. 277+44.
- CONTRACTOR SHALL VERIFY ALL ELEVATIONS AND STATIONS PRIOR TO INSTALLATION.

**PLAN VIEW**  
SCALE = GRAPHIC SCALE

**QUANTITY NOTE:**

TOTAL 3,136 SF AT FRONT FACE OF WALL



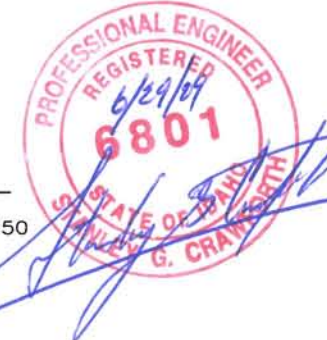
TOP OF HILFIKER WALL  
EL. 2795.4

TOP OF HILFIKER WALL  
EL. 2809.4



**ELEVATION ALONG WALL LAYOUT - FRONT FACE OF WALL**  
SCALE = GRAPHIC SCALE

- LEGEND**
- TYPE 1 - 8"x12", W4.5xW3.5-U
  - TYPE 2 - 8"x21", W7xW4-U
  - WLOL = WALL LAYOUT LINE



Prepared for: **HILFIKER RETAINING WALLS**

1902 Hilfiker Lane  
Eureka, CA 95503-5711  
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PH 707.443.5093 FAX 707.443.2891  
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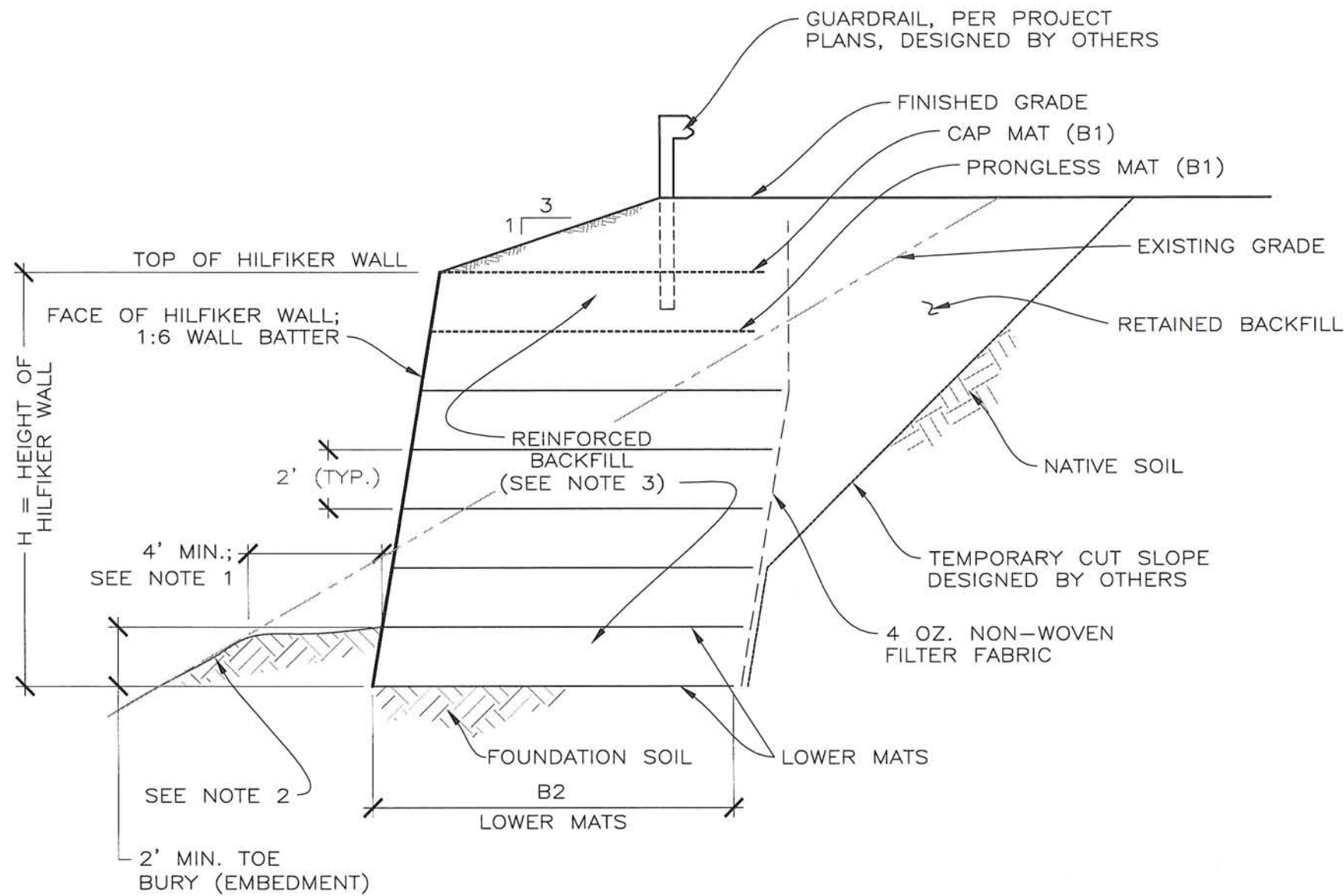
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Prepared by: **American Geotechnics**  
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<b>MSE WALL</b> STA. 274+98 TO 277+46 Moscow Mtn. Passing Lanes Plan and Elevation		<b>Sheet 1 of 4</b> <b>A M E R I C A N</b> <b>G E O</b> <b>T E C H N I C S</b>
File No. 09B-G1959	June 29, 2009 Revision: 0	

09B-G1959-Moscow Mtn. Passing Lanes MSE Walls - Elevation  
 Justin Shuffler, American Geotechnics, Inc. 6/29/09 12:09 PM

.6  
 :SS



**MAXIMUM SECTION**  
NOT TO SCALE

**NOTES:**

1. MINIMUM 4 FOOT BENCH AT TOE PER AASHTO, AS REQUIRED BY OWNER'S ENGINEER.
2. EROSION PROTECTION AT TOE OF WALL TO BE DESIGNED BY OTHERS.
3. REINFORCED BACKFILL SHALL BE GRANULAR BACKFILL OR OTHER APPROVED MATERIAL, PER PROJECT SPECIAL PROVISIONS.



*Stanley C. Cranford*

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**MSE WALL**

STA. 274+98 TO 277+46  
 Moscow Mtn. Passing Lanes  
 Maximum Section

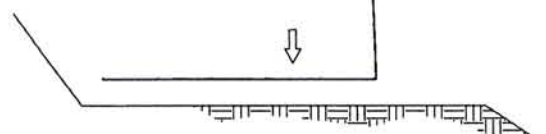
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**Sheet 2 of 4**

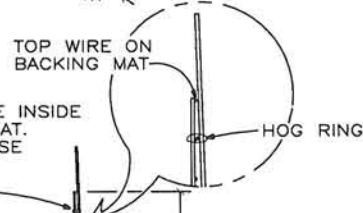


**STEP 1**  
PLACE THE FIRST COURSE OF SOIL REINFORCEMENT MATS ON PREPARED FOUNDATION



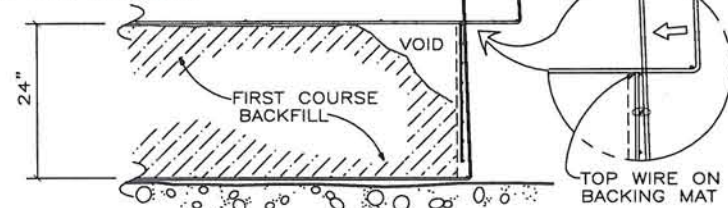
**STEP 2**  
PLACE THE BACKING MAT AGAINST THE INSIDE FACE OF THE SOIL REINFORCEMENT MAT. CLIP THE SECOND-TO-TOP TRANSVERSE WIRE ON THE BACKING MAT TO THE TOP TRANSVERSE WIRE ON THE SOIL REINFORCEMENT MAT

INSTALL CONTINUOUS HARDWARE CLOTH HOG-RING TO THE TOP WIRE ON THE BACKING MAT

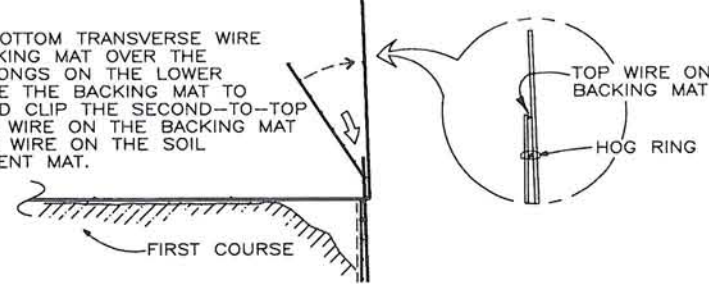


**STEP 3**  
PLACE AND COMPACT THE BACKFILL IN LAYERS AND DENSITIES AS SPECIFIED IN THE PROJECT PLANS. LEAVE A VOID AT THE FACE AS SHOWN.

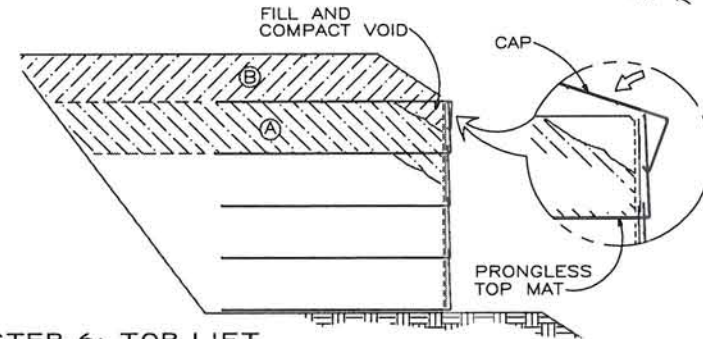
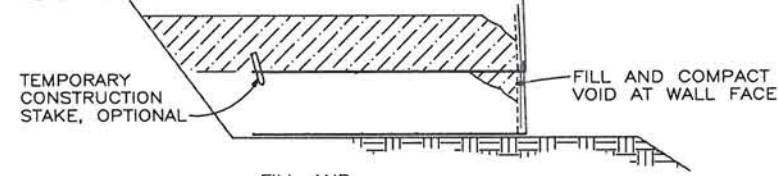
PLACE THE SECOND COURSE OF SOIL REINFORCEMENT MATS WITH THE BASE LONGITUDINAL WIRES RESTING ON THE TOP TRANSVERSE WIRE OF THE BACKING MAT BELOW. SLIDE THE SOIL REINFORCEMENT MAT INTO ALIGNMENT



**STEP 4**  
HOOK THE BOTTOM TRANSVERSE WIRE OF THE BACKING MAT OVER THE VERTICAL PRONGS ON THE LOWER MAT. ROTATE THE BACKING MAT TO VERTICAL AND CLIP THE SECOND-TO-TOP TRANSVERSE WIRE ON THE BACKING MAT TO THE TOP WIRE ON THE SOIL REINFORCEMENT MAT.

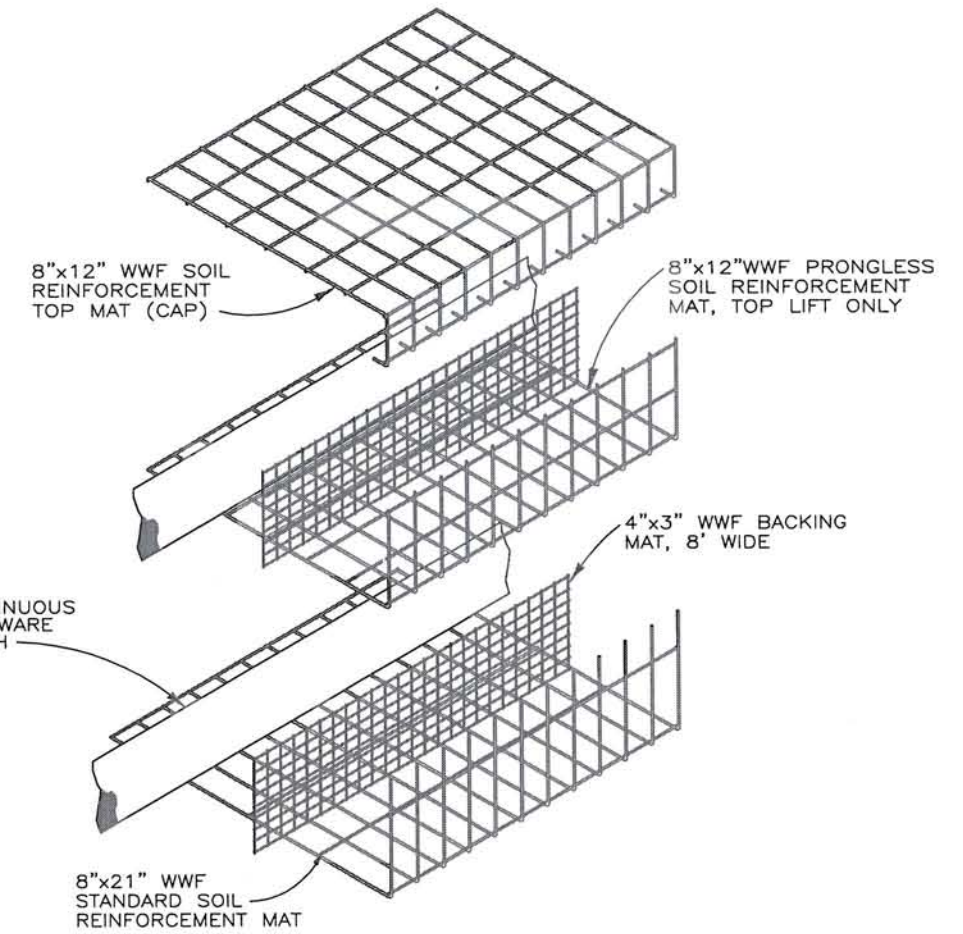


**STEP 5**  
INSTALL THE HARDWARE CLOTH. PLACE AND COMPACT THE BACKFILL TO THE BASE ELEVATION OF THE NEXT MAT. REPEAT STEPS 3 THRU 5 TO THE TOP LIFT.

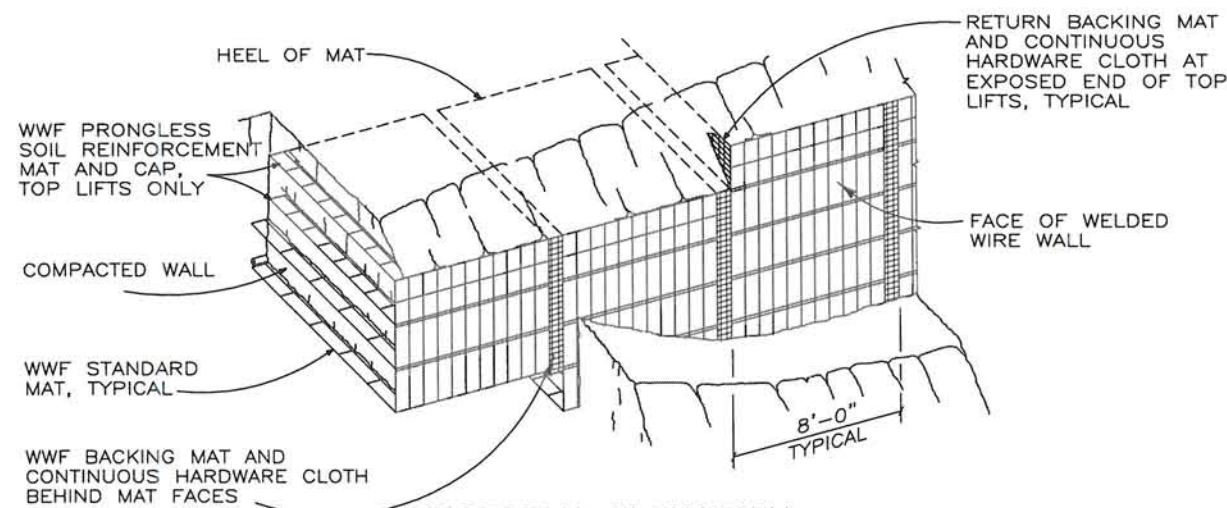


**STEP 6: TOP LIFT**  
PLACE THE TOP LIFT PRONGLESS MAT, BACKING MAT AND HARDWARE CLOTH. PLACE AND COMPACT BACKFILL IN AREA "A" HOOK THE CAP OVER THE MIDDLE TRANSVERSE WIRE ON THE PRONGLESS MAT, AND ROTATE INTO PLACE BACKFILL "B" TO 1'-6" MINIMUM COVER OVER THE CAP.

**CONSTRUCTION SEQUENCE**  
NOT TO SCALE



**WALL COMPONENTS**  
NOT TO SCALE



**PICTORIAL ELEVATION**  
NOT TO SCALE

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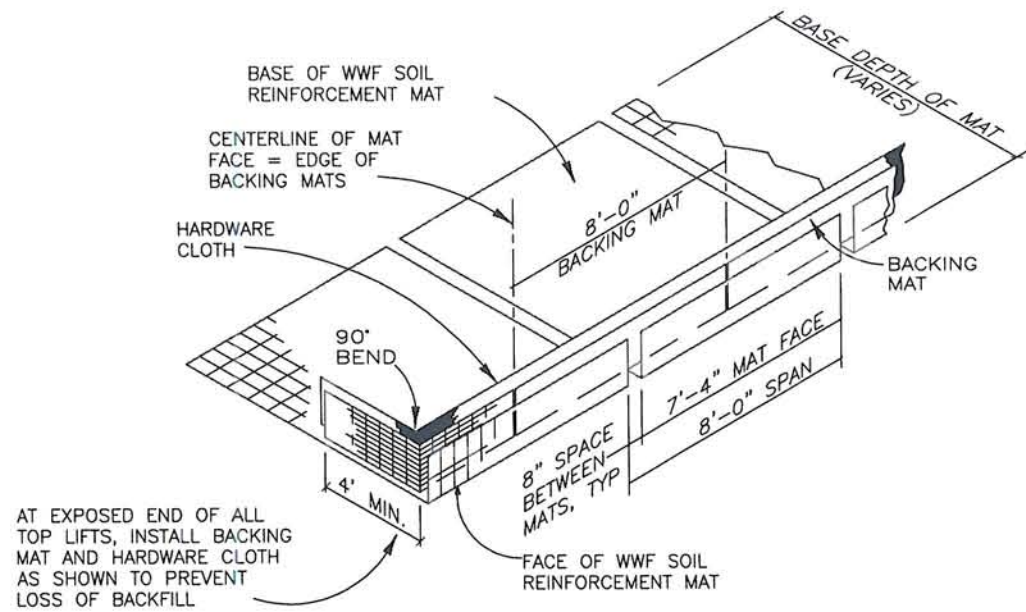
STA. 274+98 TO 277+46  
Moscow Mtn. Passing Lanes  
Sequence Details

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AT EXPOSED END OF ALL TOP LIFTS, INSTALL BACKING MAT AND HARDWARE CLOTH AS SHOWN TO PREVENT LOSS OF BACKFILL

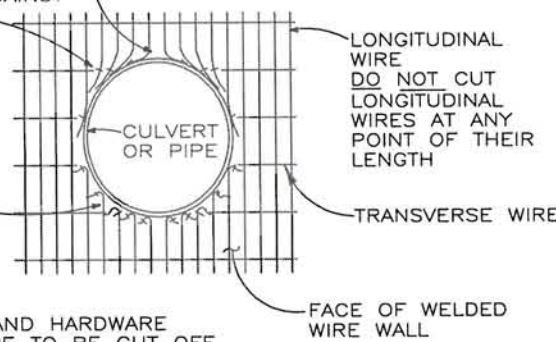
ISOMETRIC VIEW

**WELDED WIRE WALL COMPONENTS WITH RETURN MAT**  
NOT TO SCALE

AT THE UPPER SURFACE OF THE CULVERT, CUT THE TRANSVERSE WIRES ONLY. BEND AND LIFT THE LONGITUDINAL WIRES IN THE BASE OF THE MAT TO FIT AGAINST THE SIDE OF THE CULVERT

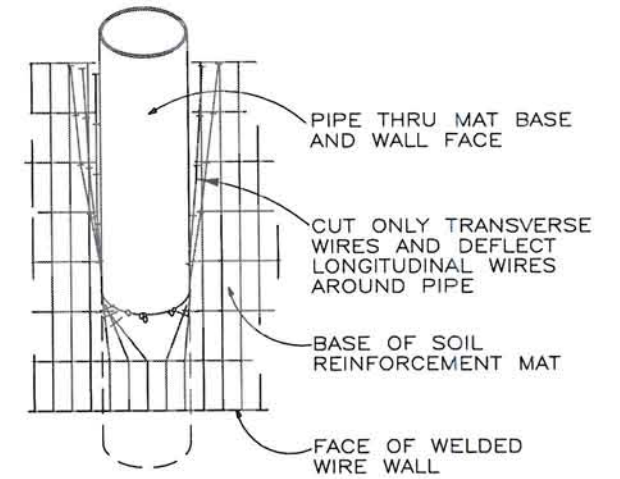
AT THE LOWER SURFACE OF THE CULVERT, CUT THE TRANSVERSE WIRES ONLY IN THE MAT FACE. BEND THE LONGITUDINAL WIRES BACK TO FIT AGAINST THE CURVE OF THE CULVERT

ANY LARGE GAP AT THE TOP OF THE CULVERT MAY BE CLOSED WITH BACKING MAT AND HARDWARE CLOTH, CUT TO FIT, OR USE LARGER ROCKS OR SACKED CONCRETE

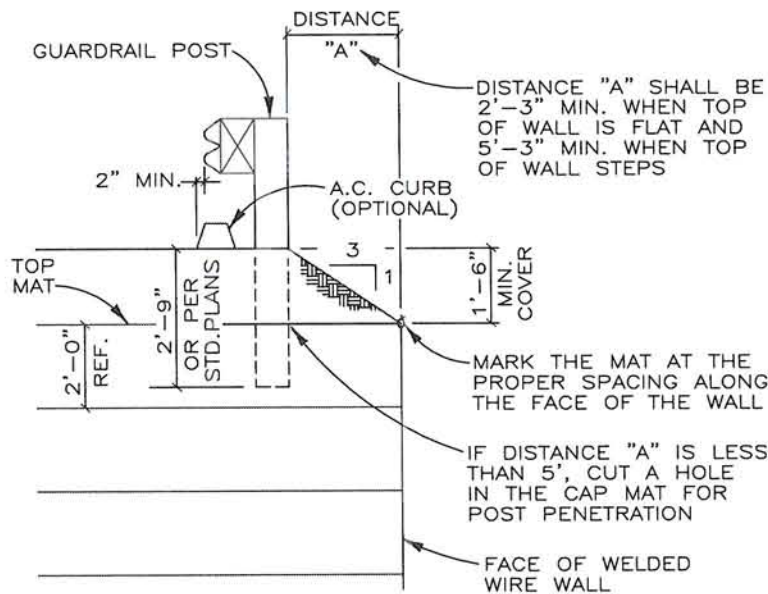


NOTE: BACKING MATS AND HARDWARE CLOTH (NOT SHOWN) ARE TO BE CUT OFF FLUSH WITH THE SIDES OF THE CULVERT

ELEVATION  
**CULVERT THRU WALL FACE**  
NOT TO SCALE



PLAN VIEW  
**ANGLED PIPE PENETRATION**  
NOT TO SCALE



SECTION  
**GUARDRAIL DETAIL**  
NOT TO SCALE  
(FENCE DETAIL SIMILAR)



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