

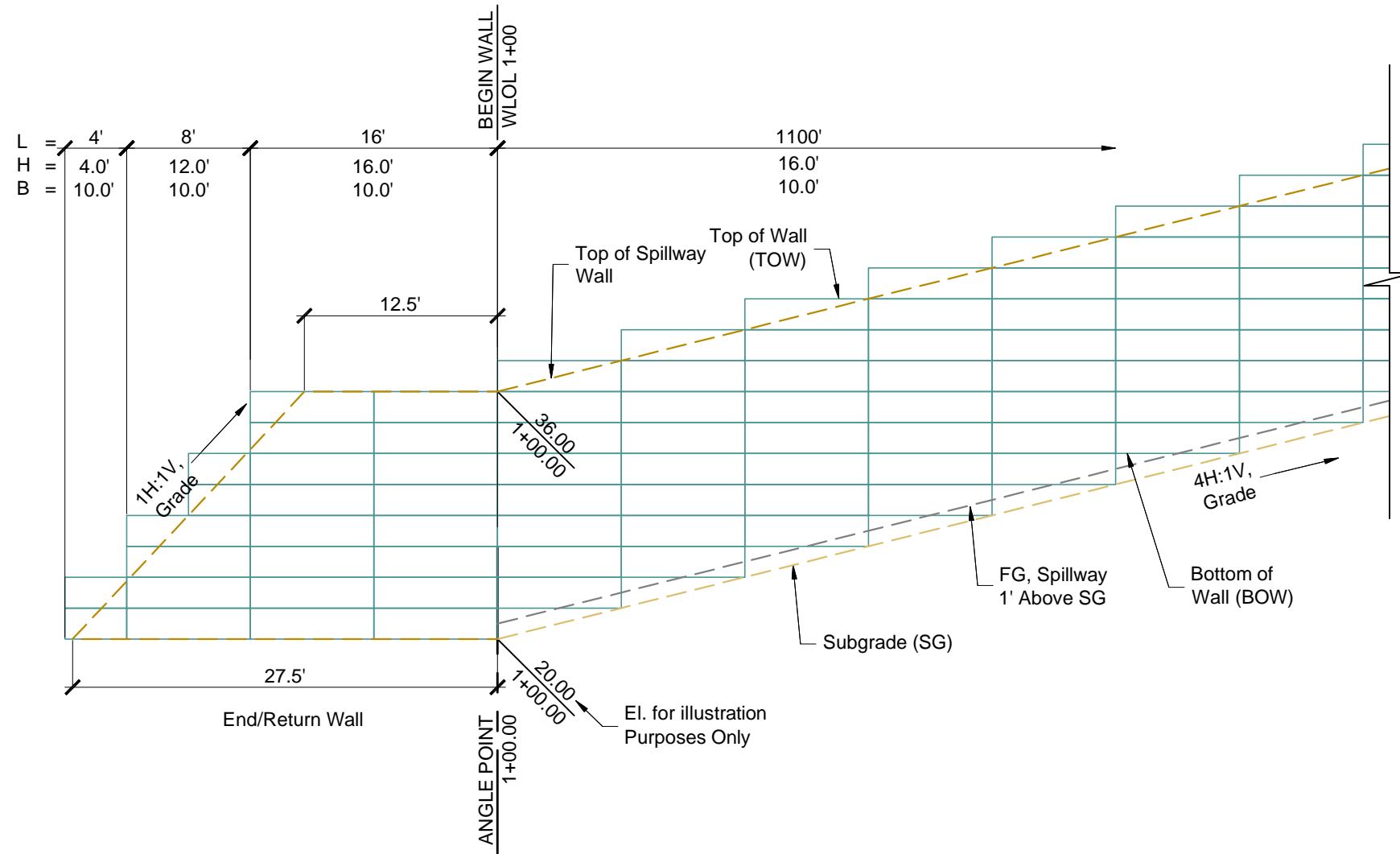
**DESIGN NOTES**

- Design is based on the assumption that backfill within the reinforced RCC mass, methods of construction and quality of materials conform to the requirements of Hilfiker Retaining Walls.
- Assumed Soil Characteristics:  
 Wall Backfill (RCC):  
 Unit Weight: 161 pcf  
 Retained Backfill:  
 Unit Weight: 161 pcf  
 Foundation Soils:  
 Unit Weight: 161 pcf

- If actual characteristics, grades or dimensions of soil materials differ from those listed above or shown on the plans, Hilfiker Retaining walls shall be notified to evaluate the need to redesign.
- If during construction, the wall location, structure location or loads are different than that proposed in this plan set and calculation package, HRW shall be notified to evaluate the need for a redesign.
- Hilfiker Retaining Walls shall be responsible only for the internal stability of the retaining wall.

**SUPPLIED QUANTITIES:**

WALL 1 AREA:	18304 FT <sup>2</sup>
WALL 2 AREA:	18304 FT <sup>2</sup>
TOTAL AREA:	36,608 FT <sup>2</sup>



**ELEVATION VIEW - WALL 1 FRONT VIEW, WALL 2 REAR VIEW**

SCALE: 1" = 10'

**WALL WIRE TYPE LEGEND**

FINISH: BLACK (UNFINISHED)

TYPE 1 - 6x12 W9.5x4.0 MATS

WELDED WIRE WALL PARAMETERS	
Height of Wall (H) ft	Base Length of Mats (B) ft
≤16'	10.0'
Standard Mats (B) are: 6x12 W9.5x4.0 WWR (Type 1)	

**Note:**  
 Wire Type can be changed as Req'd to Meet Scheduling demands as long as The Engineer of Record is Notified and Agrees with the Proposed Modification.

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REV. NO.	DATE	BY	DESCRIPTION
	7-20-17	KLC	Initial .pdf Release

**HILFIKER RETAINING WALLS**

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 WEB SITE www.hilfiker.com E-MAIL info@hilfiker.com

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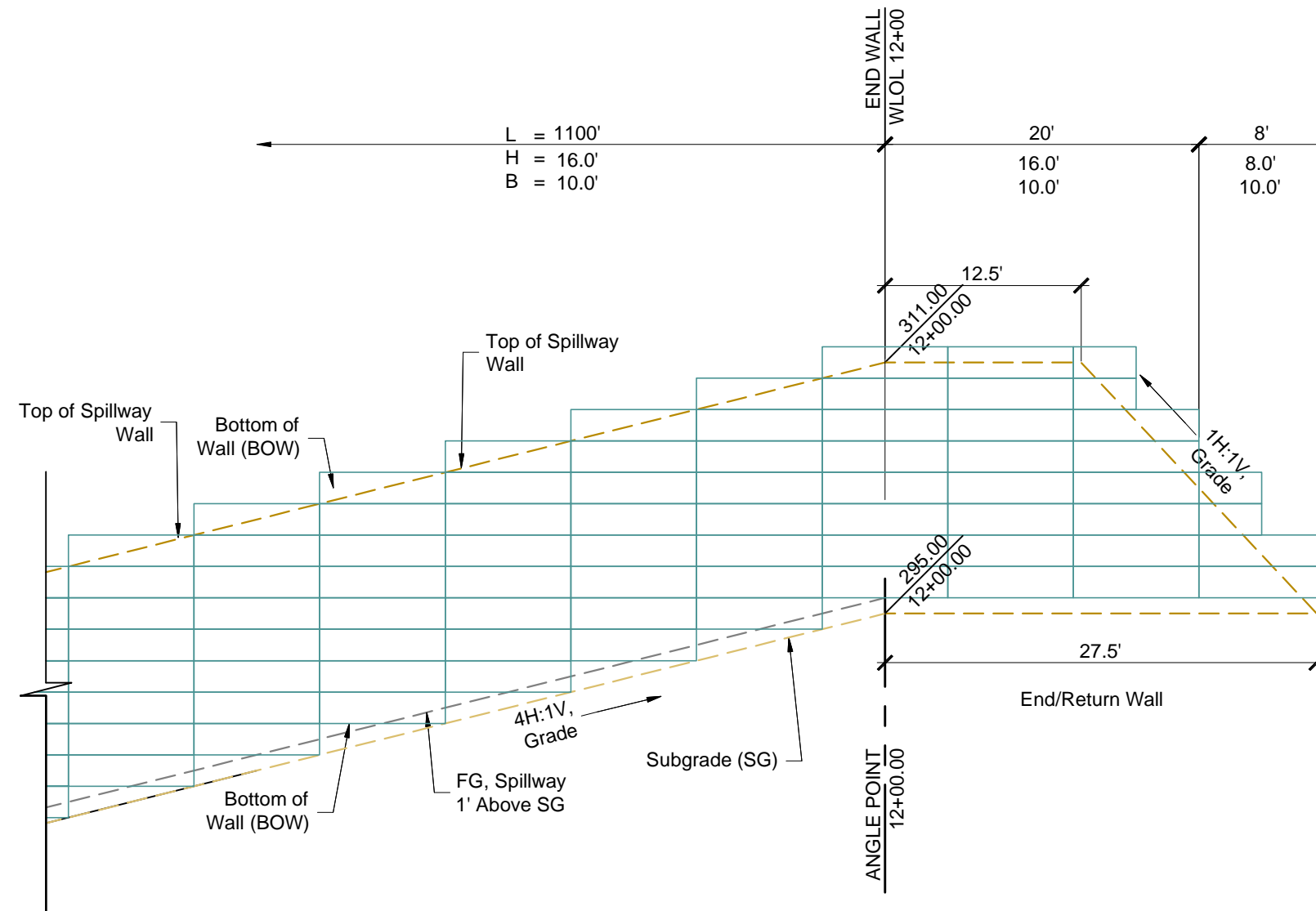
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Oroville Dam Spillway Walls

**TEMP MSE WELDED WIRE WALLS  
 ELEVATION VIEW  
 & GENERAL NOTES**

HW 170404AW

PROJECT	17-054
DATE	7-20-20
DESIGN	KLC
DRAWN	KLC
SHT	1 OF 5



**ELEVATION VIEW - WALL 1 FRONT VIEW, WALL 2 REAR VIEW**

SCALE: 1" = 10'

**WALL WIRE TYPE LEGEND**  
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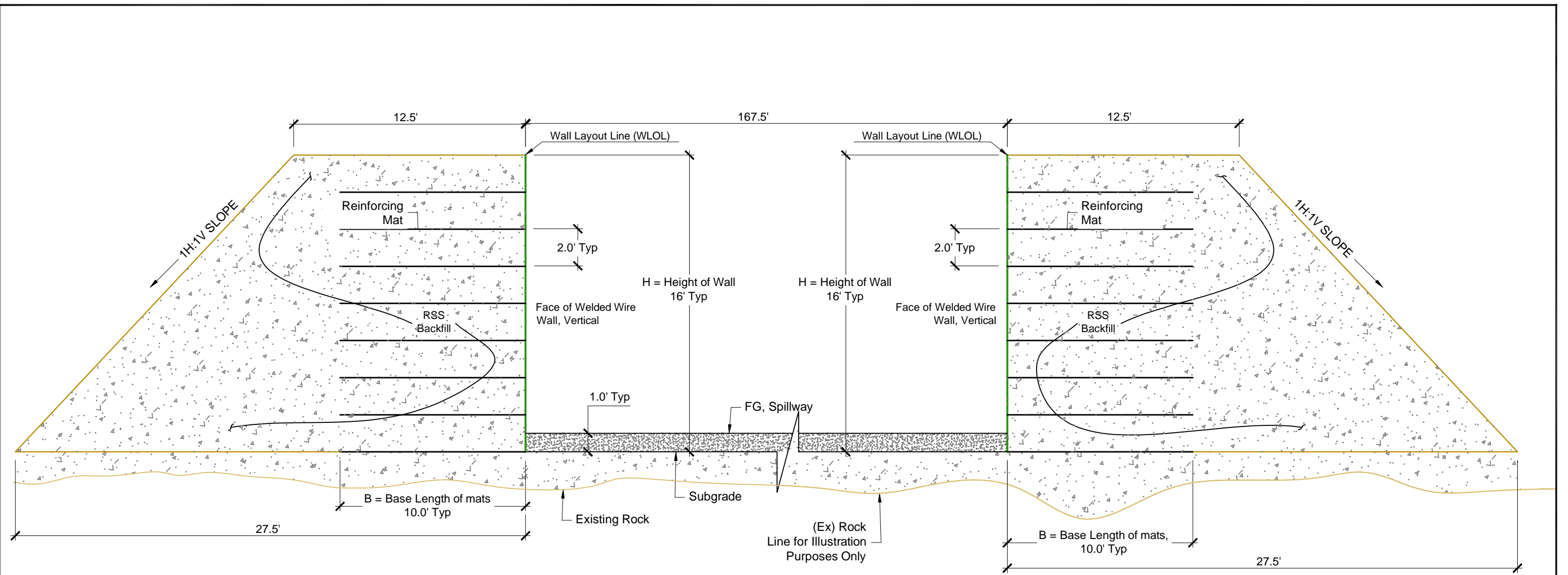
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Oroville Dam Spillway Walls  
**TEMP MSE WELDED WIRE WALL  
 ELEVATION VIEW (CONT'D)**

HW 170404AW

PROJECT	17-054
DATE	7-20-20
DESIGN	KLC
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**CROSS SECTION, TYP**  
NTS

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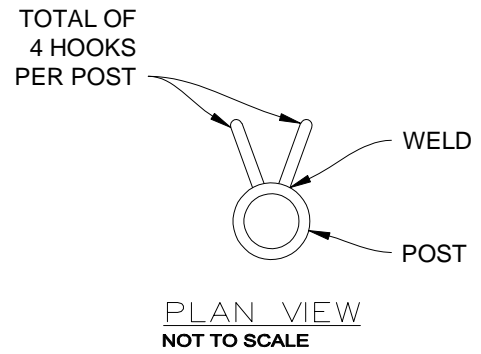
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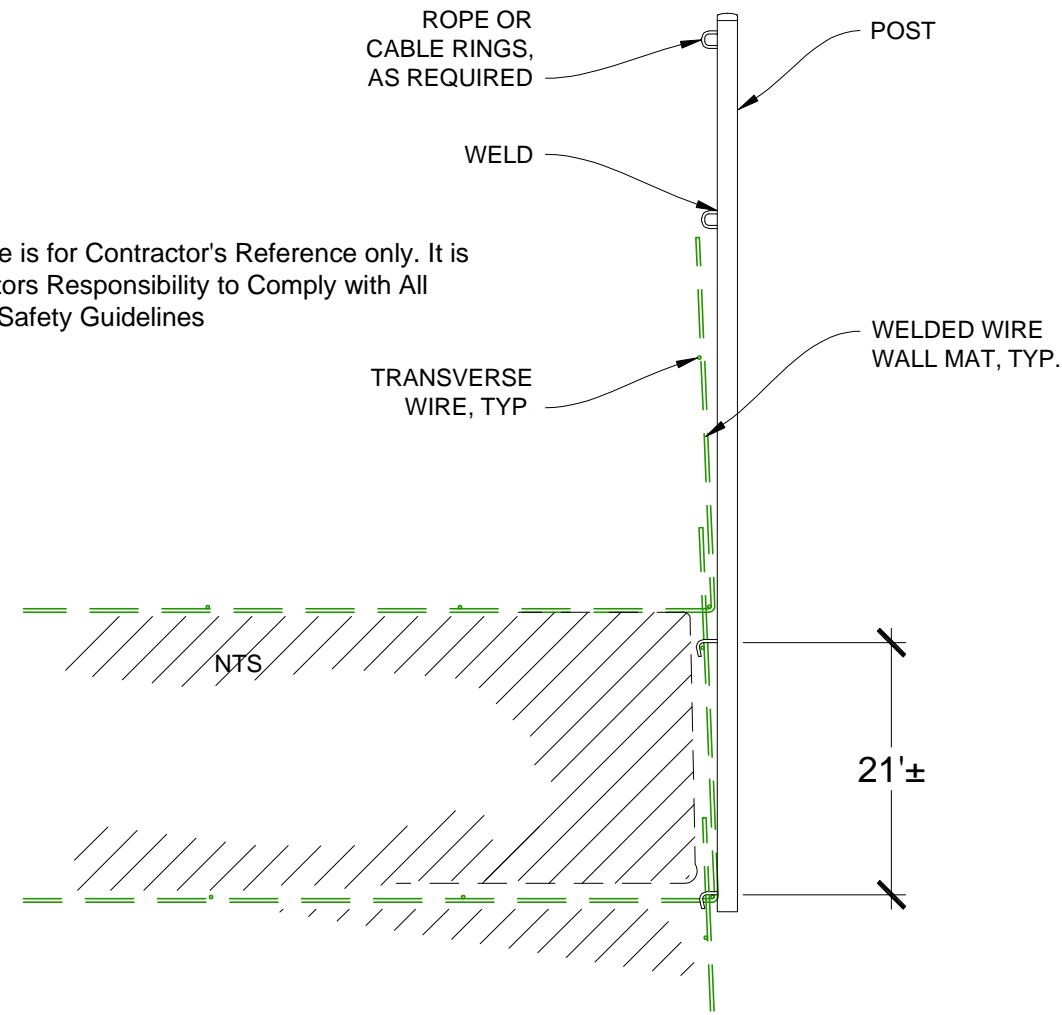
Oroville Dam Spillway Walls  
**TEMP MSE WELDED WIRE WALLS**  
CROSS SECTION

HW 170404AW

PROJECT	17-054
DATE	7-20-20
DESIGN	KLC
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SHT	3 OF 5



**Note:**  
 Safety Fence is for Contractor's Reference only. It is the Contractor's Responsibility to Comply with All Jurisdiction Safety Guidelines



**SAFETY FENCE, TYP**  
 NTS

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Oroville Dam Spillway Walls

**TEMP MSE WELDED WIRE WALLS**  
**SAFETY FENCE DETAIL**

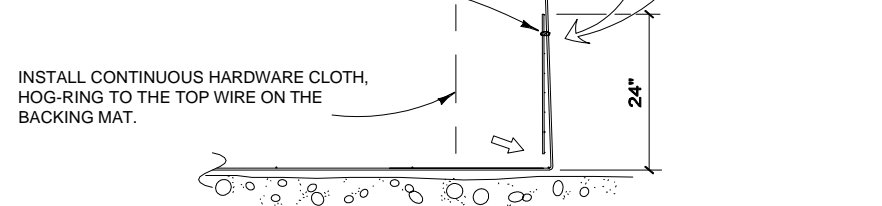
HW 170404AW

PROJECT	17-054
DATE	7-20-20
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DRAWN	KLC
SHT	4 OF 5

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

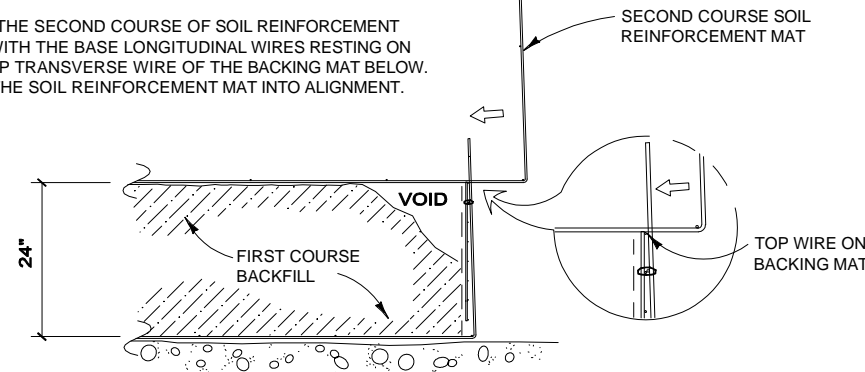


**STEP 2**  
PLACE THE BACKING MAT AGAINST THE INSIDE FACE OF THE SOIL REINFORCEMENT MAT. CLIP THE SECOND-TO-TOP TRANSVERSE WIRE ON THE BACKING MAT TO THE TOP TRANSVERSE WIRE ON THE SOIL REINFORCEMENT MAT.

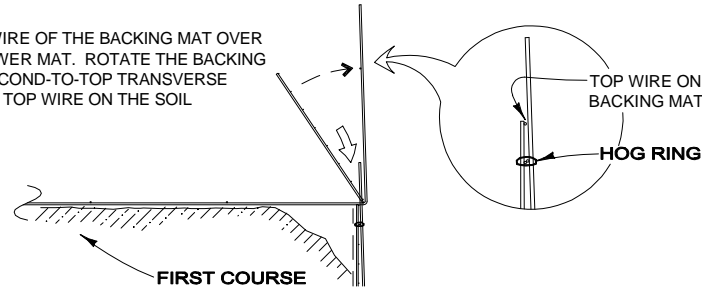


**STEP 3**  
PLACE AND COMPACT THE BACKFILL IN LAYERS AND DENSITIES AS SPECIFIED IN THE PROJECT PLANS. LEAVE A VOID AT THE FACE AS SHOWN.

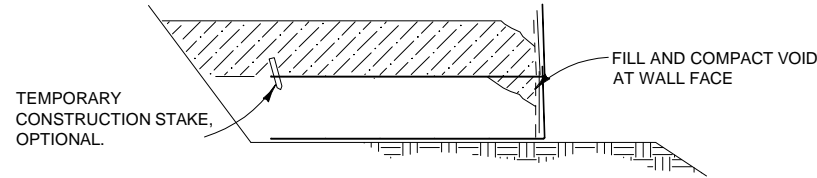
PLACE THE SECOND COURSE OF SOIL REINFORCEMENT MATS WITH THE BASE LONGITUDINAL WIRES RESTING ON THE TOP TRANSVERSE WIRE OF THE BACKING MAT BELOW. SLIDE THE SOIL REINFORCEMENT MAT INTO ALIGNMENT.



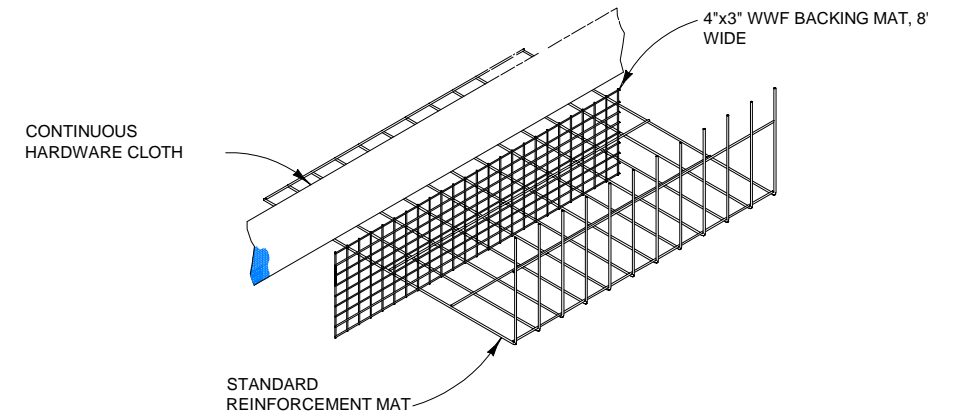
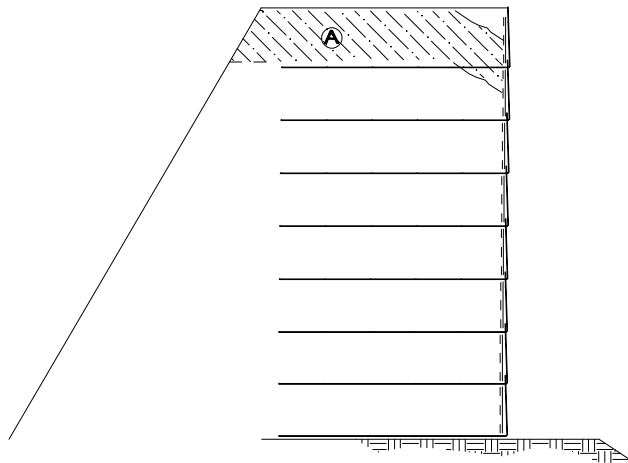
**STEP 4**  
HOOK THE BOTTOM TRANSVERSE WIRE OF THE BACKING MAT OVER THE VERTICAL PRONGS ON THE LOWER MAT. ROTATE THE BACKING MAT TO VERTICAL AND CLIP THE SECOND-TO-TOP TRANSVERSE WIRE ON THE BACKING MAT TO THE TOP WIRE ON THE SOIL REINFORCEMENT MAT.



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

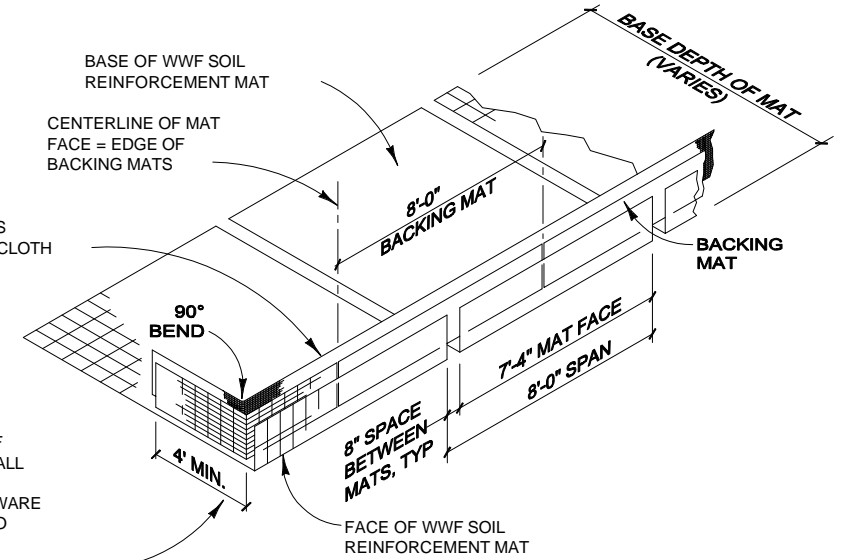


**STEP 6: TOP LIFT**  
PLACE THE TOP LIFT MAT, BACKING MAT AND CONTINUOUS HARDWARE CLOTH. PLACE AND COMPACT BACKFILL IN AREA "A".

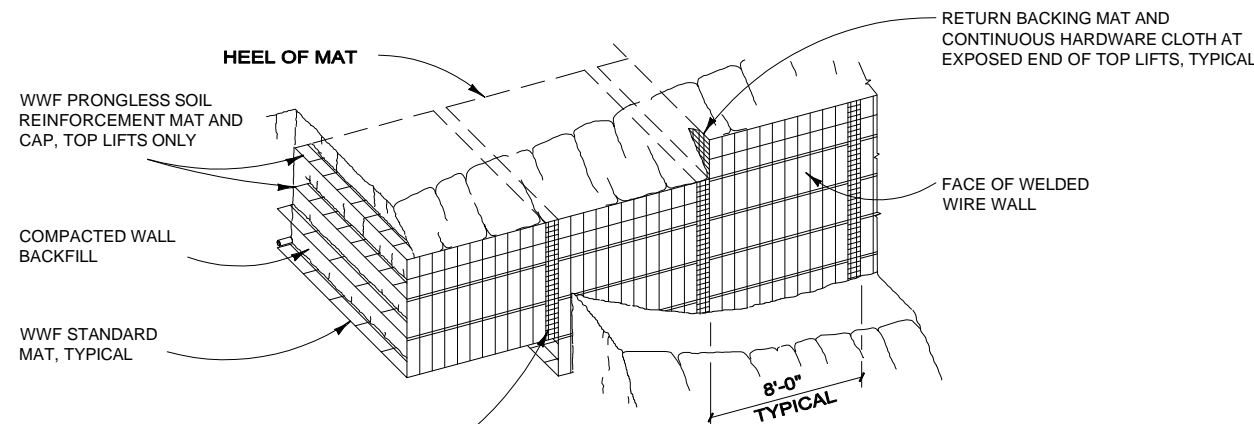


**WALL COMPONENTS**  
NOT TO SCALE

**CONSTRUCTION SEQUENCE**  
NOT TO SCALE



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



**PICTORIAL ELEVATION**  
NOT TO SCALE

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Oroville Dam Spillway Walls

**TEMP MSE WELDED WIRE WALL  
CONSTRUCTION SEQUENCE &  
DETAILS**

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SHT	5 OF 5