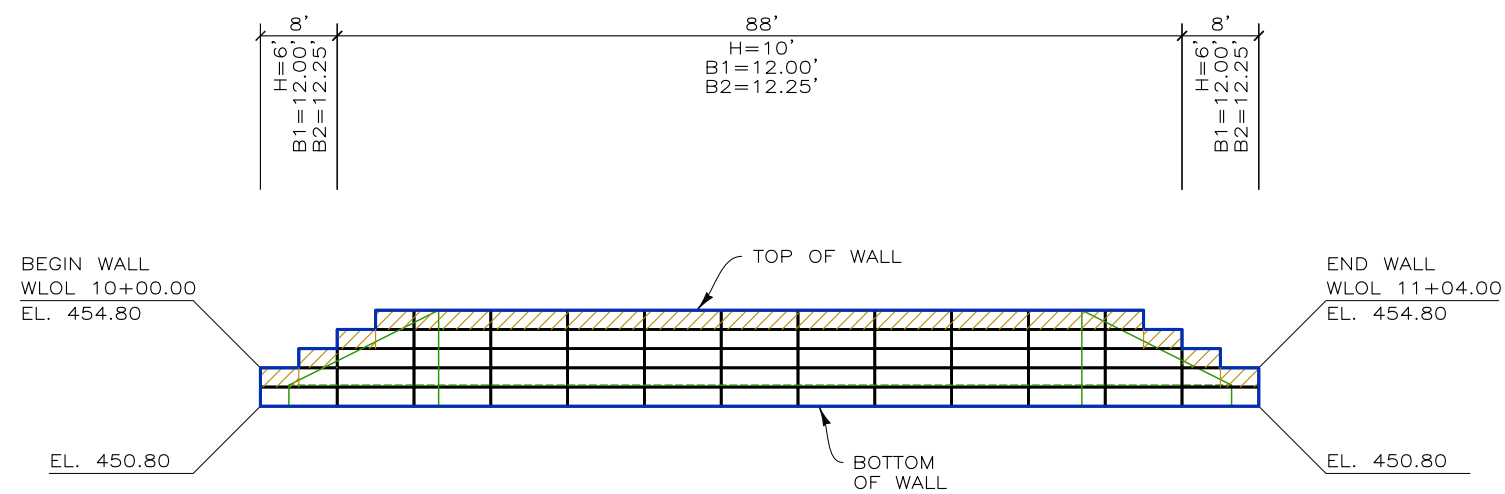


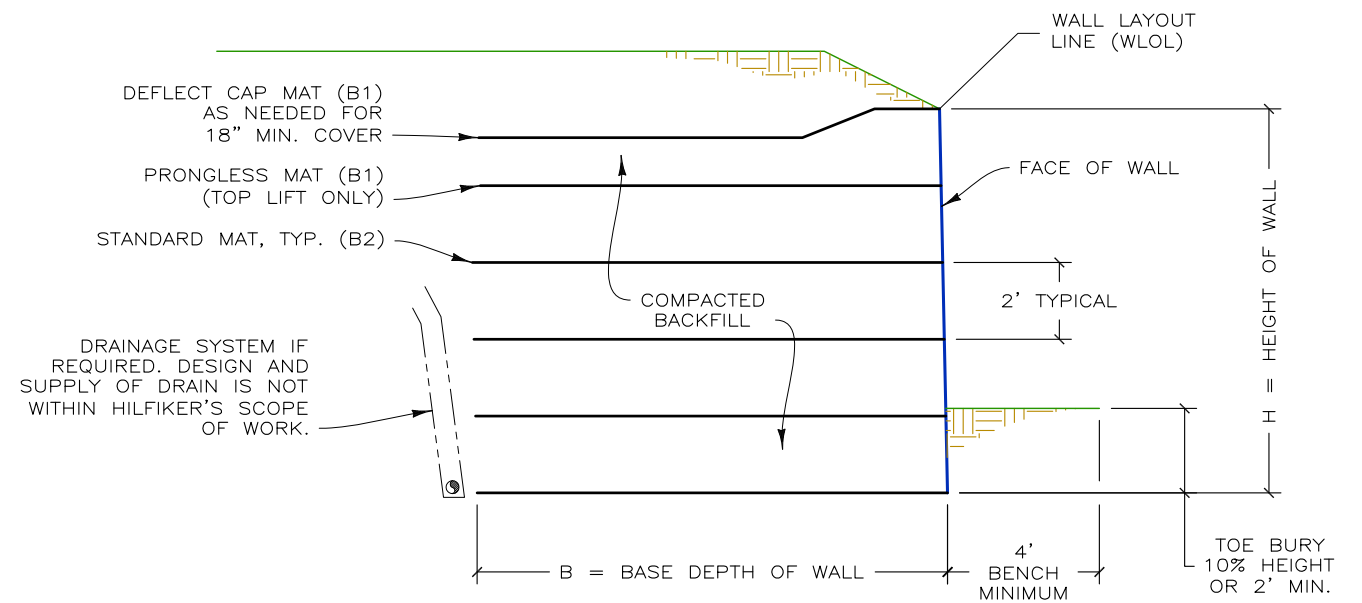


170404AW - OROVILLE EMERGENCY RECOVERY SPILLWAYS



**DEVELOPED ELEVATION**  
SCALE: 1" = 20'

	B1 8"x12" W7.0xW3.5 PRONGLESS AND CAP MATS
	B2 8"x21" W7.0xW4.0 STANDARD MATS



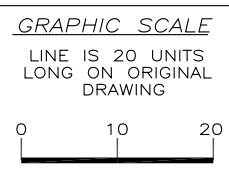
**TYPICAL SECTION**  
SCALE: 1" = 5'

**ESTIMATED QUANTITIES:**

TOTAL FACE AREA: 944 SQ. FT.

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REV.NO.	DATE	BY	DESCRIPTION



PROJ. MGR.  
HKH  
ENGINEER  
CADD BY  
DH

**HILFIKER RETAINING WALLS**



1902 Hilfiker Lane  
Eureka, CA 95503-5711  
TOLL-FREE 800.762.8962  
PH 707.443.5093 FAX 707.443.2891  
WEBSITE www.hilfiker.com E-MAIL info@hilfiker.com

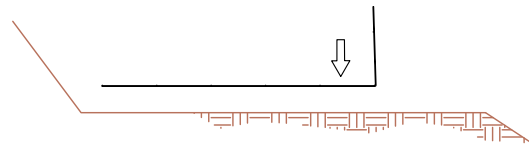


DWG DATE  
11 MAY 17  
REVISION DATE  
SCALE  
NOTED

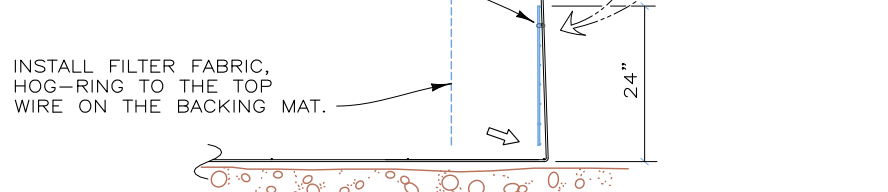
**SHOP DRAWINGS**  
WELDED WIRE WALL  
**OROVILLE EMERGENCY RECOVERY SPILLWAYS**  
OROVILLE, CALIFORNIA  
DEVELOPED ELEVATION AND TYPICAL SECTION

PROJECT NO.  
170404AW  
SHEET  
**1**  
OF 2

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

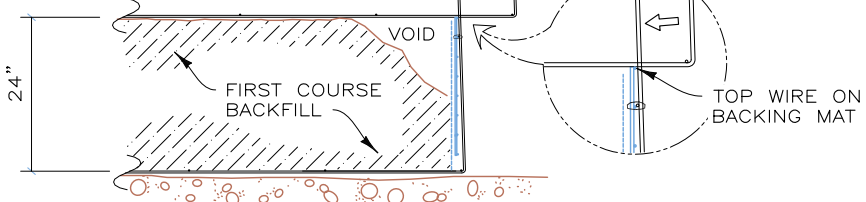


**STEP 2**  
PLACE THE BACKING MAT AGAINST THE INSIDE FACE OF THE SOIL REINFORCEMENT MAT. CLIP THE SECOND-TO-TOP TRANSVERSE WIRE ON THE BACKING MAT TO THE TOP TRANSVERSE WIRE ON THE SOIL REINFORCEMENT MAT.

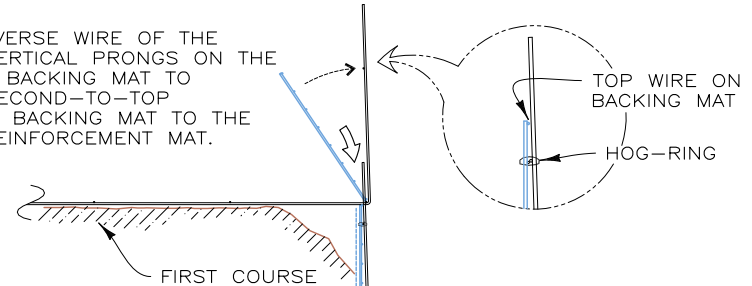


**STEP 3**  
PLACE AND COMPACT THE BACKFILL IN LAYERS AND DENSITIES AS SPECIFIED IN THE PROJECT PLANS. LEAVE A VOID AT THE FACE AS SHOWN.

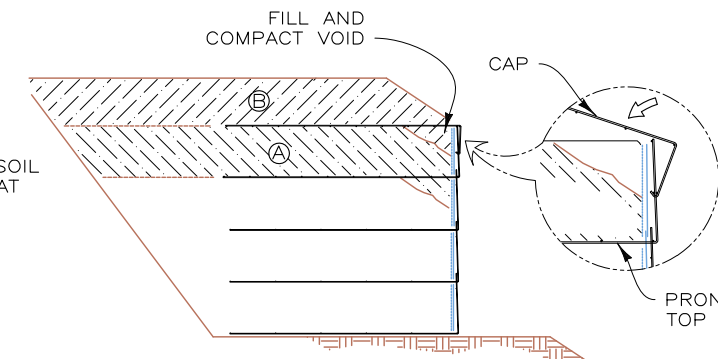
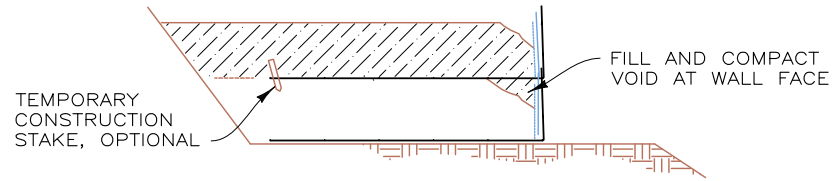
PLACE THE SECOND COURSE OF SOIL REINFORCEMENT MATS WITH THE BASE LONGITUDINAL WIRES RESTING ON THE TOP TRANSVERSE WIRE OF THE BACKING MAT BELOW. SLIDE THE SOIL REINFORCEMENT MAT INTO ALIGNMENT.



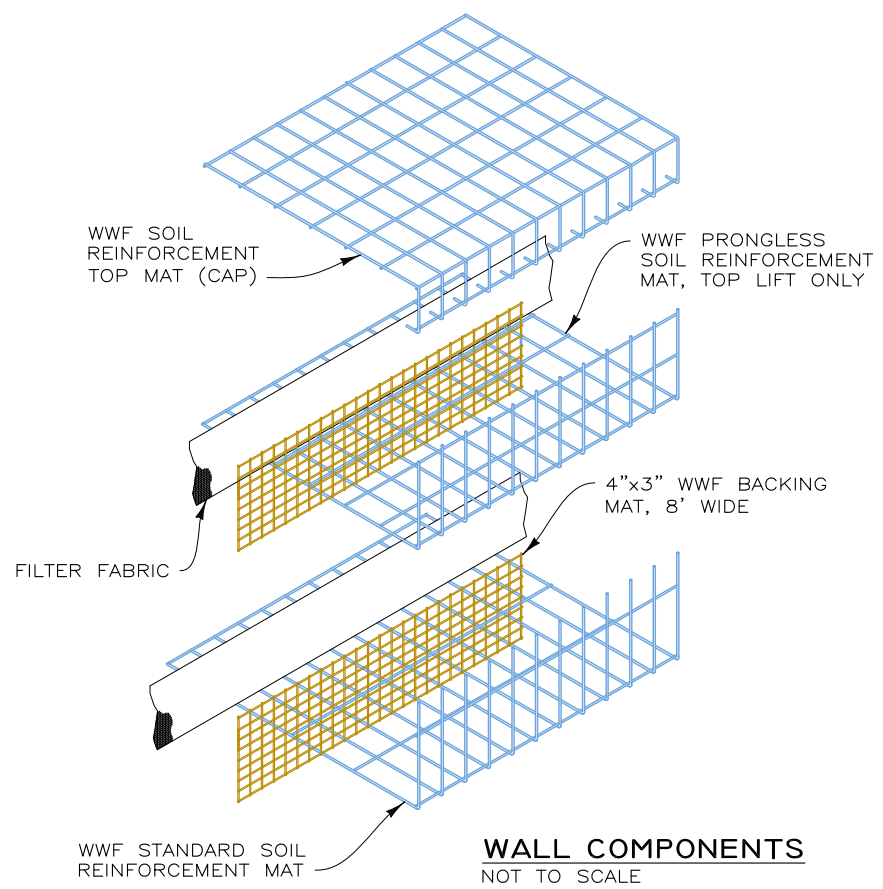
**STEP 4**  
HOOK THE BOTTOM TRANSVERSE WIRE OF THE BACKING MAT OVER THE VERTICAL PRONGS ON THE LOWER MAT. ROTATE THE BACKING MAT TO VERTICAL AND CLIP THE SECOND-TO-TOP TRANSVERSE WIRE ON THE BACKING MAT TO THE TOP WIRE ON THE SOIL REINFORCEMENT MAT.



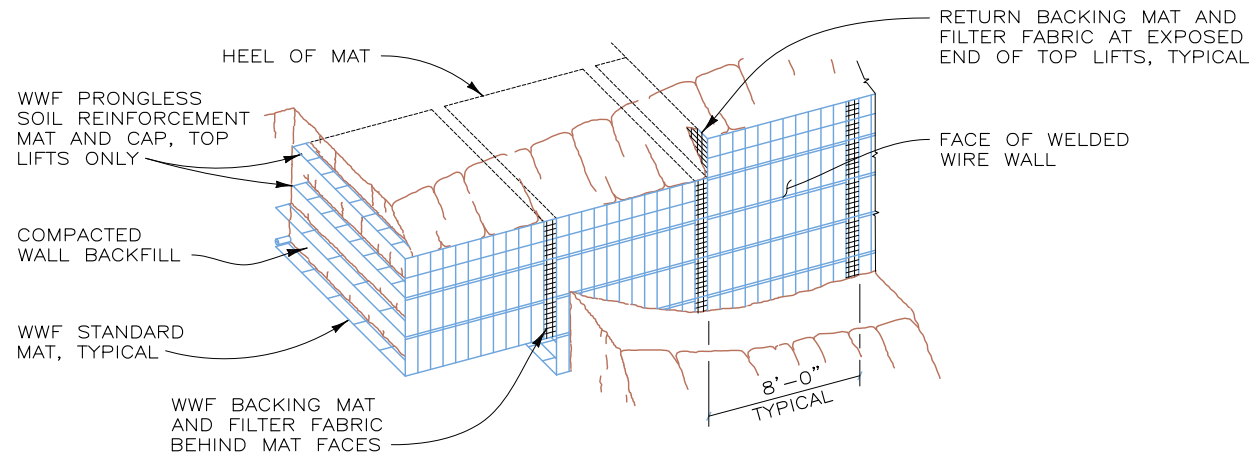
**STEP 5**  
INSTALL THE FILTER FABRIC. PLACE AND COMPACT THE BACKFILL TO THE BASE ELEVATION OF THE NEXT MAT. REPEAT STEPS 3 THROUGH 5 TO THE TOP LIFT.



**STEP 6: TOP LIFT**  
PLACE THE TOP LIFT PRONGLESS MAT, BACKING MAT AND FILTER FABRIC. 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" MIN. COVER OVER THE CAP.



**CONSTRUCTION SEQUENCE**  
NOT TO SCALE



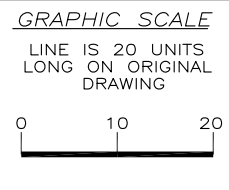
**PROJECT-SPECIFIC NOTES:**

1. REFERENCE DRAWINGS: BASED ON SKETCH (ELEVATION VIEW AND TYPICAL SECTION) FROM KIEWIT RECEIVED VIA EMAIL MAY 10, 2017.
2. BLACK AND WHITE REPRODUCTION OF THIS COLOR ORIGINAL MAY REDUCE ITS EFFECTIVENESS AND LEAD TO INCORRECT INTERPRETATION.
3. IT IS ASSUMED THAT ALL MATERIALS, BACKFILL AND CONSTRUCTION METHODS FOR HILFIKER M.S.E. WALLS WILL CONFORM TO HILFIKER'S SPECIFICATIONS AND/OR THOSE OF THE HILFIKER ENGINEERING CONSULTANT.
4. THIS IS NOT AN ENGINEERED SUBMITTAL. ALL INFORMATION HEREON IS DERIVED FROM THE REFERENCE DRAWINGS, AND IS SUBJECT TO GEOMETRIC AND GEOTECHNICAL CONFIRMATION. THE APPLICABLE HILFIKER CONSTRUCTION GUIDE AND SPECIFICATIONS ARE AN INTEGRAL PART OF THIS SUBMITTAL.
5. UPON ENGINEERED DESIGN, HILFIKER RETAINING WALLS SHALL BE RESPONSIBLE ONLY FOR THE INTERNAL STABILITY OF THE RETAINING WALL, AND NOT FOR GLOBAL STABILITY OR FOUNDATION BEARING CAPACITY. THE OWNER/CONTRACTOR SHALL BE RESPONSIBLE FOR ALL JOB SITE DRAINAGE, SAFETY AND FALL PROTECTION PROVISIONS FOR WORKERS IN COMPLIANCE WITH OSHA AND ANY OTHER APPLICABLE REQUIREMENTS.
6. WALL DESIGN SHALL REQUIRE A NON-SATURATED BACKFILL. SURFACE AND SUBSURFACE DRAINAGE CONTROL MAY BE REQUIRED TO PREVENT SATURATION OF THE BACKFILL OR TO RELIEVE HYDROSTATIC PRESSURES. DRAINAGE CONTROL SHALL BE AS SPECIFIED IN THE OWNER'S PROJECT PLANS AND SPECIFICATIONS, OR AS DIRECTED BY THE OWNER'S ENGINEER.

170404AW - OROVILLE EMERGENCY RECOVERY SPILLWAYS

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PROJ. MGR.  
HKH  
ENGINEER  
CADD BY  
DH

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QUALITY PRODUCTS

DWG DATE  
11 MAY 17  
REVISION DATE  
SCALE  
NOTED

**SHOP DRAWINGS**  
WELDED WIRE WALL  
**OROVILLE EMERGENCY RECOVERY SPILLWAYS**  
OROVILLE, CALIFORNIA  
CONSTRUCTION SEQUENCE AND NOTES

PROJECT NO.  
170404AW  
SHEET  
**2**  
OF 2