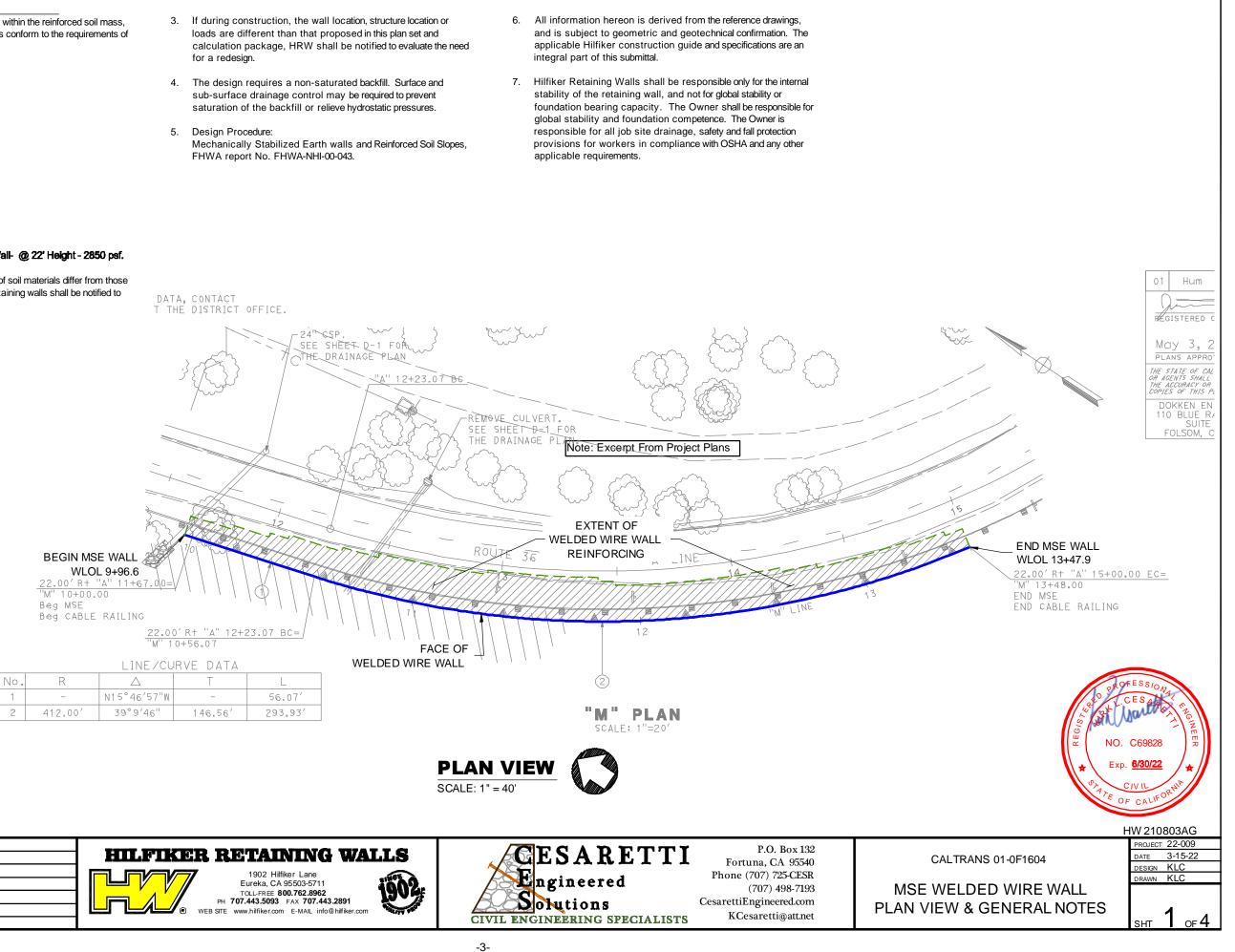
DESIGN NOTES

- 1. Design is based on the assumption that backfill within the reinforced soil mass, methods of construction and quality of materials conform to the requirements of Hilfiker Retaining Walls.
- 2. Assumed Soil Characteristics:
 - Wall Backfill: Unit Weight: 120 pcf Internal Friction Angle: 34° Cohesion = 0 psfRetained Backfill: Unit Weight: 120 pcf Internal Friction Angle: 30° Cohesion = 0 psf Foundation Soils: Unit Weight: 120 pcf Internal Friction Angle: 30° Cohesion = 150 psf Traffic Surcharge Loading (LL) = 240 psf

Worst Case Applied Bearing Pressure by MSE Wall- @ 22' Height - 2850 psf.

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.

- 3. If during construction, the wall location, structure location or loads are different than that proposed in this plan set and for a redesign.
- sub-surface drainage control may be required to prevent saturation of the backfill or relieve hydrostatic pressures.
- Mechanically Stabilized Earth walls and Reinforced Soil Slopes, FHWA report No. FHWA-NHI-00-043.
- applicable Hilfiker construction guide and specifications are an integral part of this submittal.
- stability of the retaining wall, and not for global stability or foundation bearing capacity. The Owner shall be responsible for global stability and foundation competence. The Owner is responsible for all job site drainage, safety and fall protection provisions for workers in compliance with OSHA and any other applicable requirements.



THE DESIGN CONTAINED ON THESE DRAWINGS IS BASED ON INFORMATION PROVIDED BY THE OWNER. ON THE BASIS OF THIS INFORMATION, THE HILFIKER COMPANY HAS DESIGNED, AND IS RESPONSIBLE FOR THE INTERNAL STABILITY OF THE STRUCTURE ONLY, EXTERNAL STABILITY OF THE STRUCTORE ONE ONE CALL EXTERNAL STABILITY, INCLUDING FOUNDATION AND SLOPE STABILITY, IS THE RESPONSIBILITY OF THE OWNER

EV NC

DATE

3-15-22

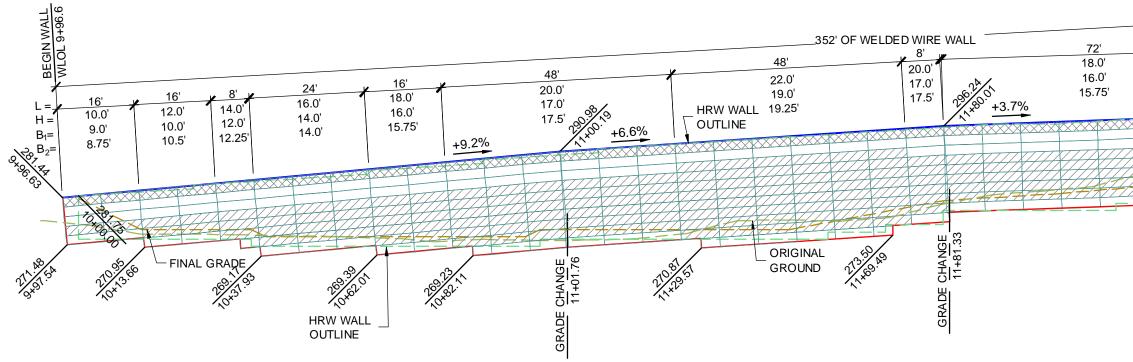
INSTALLED QUANTITIES:

WELDED WIRE WALL : 5856 FT²

BY DESCRIPTION

KLC Initial .pdf Release

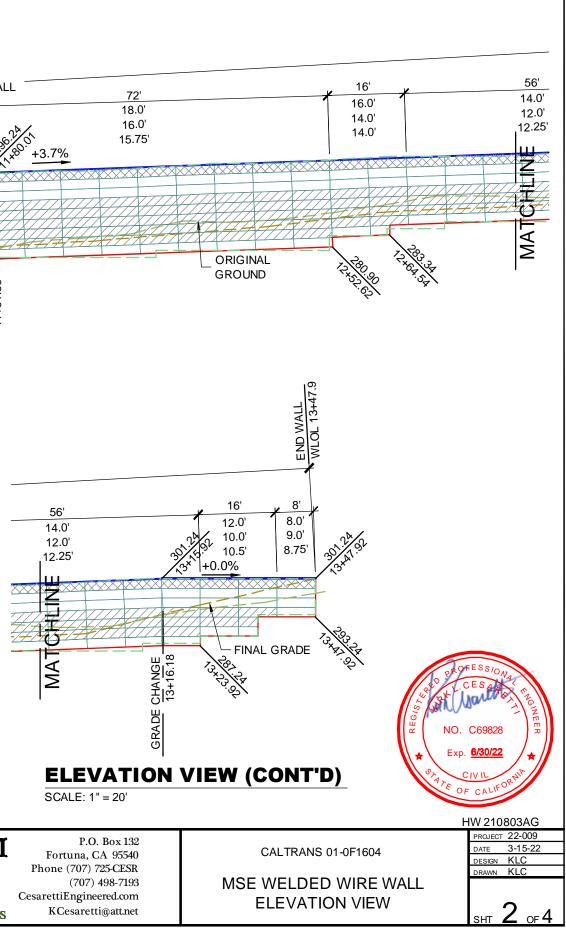
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WELDED	WIRE WALL PA	RAMETERS
Height of Wall	Length of Cap & Prongless Mats	Base Length of Mats
(H) ft	(B₁) ft	(B ₂) ft
<u>≤</u> 10'	9.0'	8.75'
12'	10.0'	10.5'
14'	12.0'	12.25'
16'	14.0'	14.0'
18'	16.0'	15.75'
20'	17.0'	17.5'
22'	19.0'	19.25'

SCALE: 1" = 20'

WALL WIRE TYPE LEGEND							
FINISH: HOT DIP GALVANIZED SERVICE LIFE: 75 YEARS							
	TYPE 1 - 8X12 W4.5x3.5 MATS						
	TYPE 2 - 8x10.5 W4.5x3.5 MATS						
////	TYPE 3 - 8x21 W7.0x4.0 MATS						



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REV.NO.	DATE	BY	DESCRIPTION		
	3-15-22	KLC	Initial .pdf Release	HILFIKER RETAINING WALLS	
				1902 Hilfiker Lane	
				Eureka, CA 95503-5711	
				ТОЦІ-FREE 800.762.8962 РН 707.443.5093 ГАХ 707.443.2891	A A
				WEB SITE www.hilfiker.com E-MAIL info@hilfiker.com	
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