

ESTIN	MATED SOIL NAI	_ WALL QUANT	ITIES
RETAINING WALL NO.	SOIL NAIL RETAINING WALL (SQUARE FEET)	S SOIL NAIL VERIFICATION TESTS	SOIL NAIL PROOF TESTS
1	2,175	2	8

NOTES:

FOR SOIL NAIL RETAINING WALLS, SEE SOIL NAIL RETAINING WALLS PROVISION.

BEFORE BEGINNING SOIL NAIL WALL DESIGN FOR RETAINING WALL NO.1,SURVEY WALL LOCATION AND SUBMIT A REVISED WALL PROFILE VIEW (WALL ENVELOPE)FOR REVIEW. DO NOT START WALL DESIGN OR CONSTRUCTION UNTIL THE REVISED WALL ENVELOPE IS ACCEPTED.

DESIGN RETAINING WALL NO.1 FOR THE FOLLOWING: 1) H = WALL HEIGHT + WALL EMBEDMENT 2) DESIGN LIFE = 100 YEARS 3) IN-SITU ASSUMED MATERIAL PARAMETERS, ELEVATION ABOVE 2635 FT: UNIT WEIGHT, γ = 120 PCF FRICTION ANGLE, ϕ = 30 DEGREES COHESION, c = 0 PSF 4) THESTTLE ASSUMED MATERIAL PARAMETERS BELOW ELEVATION 2635 FT: 4) IN-SITU ASSUMED MATERIAL PARAMETERS BELOW ELEVATION 2635 FT: UNIT WEIGHT, γ = 115 PCF FRICTION ANGLE, ϕ = 30 DEGREES COHESION, c = 0 PSF

EXISTING OR FUTURE OBSTRUCTIONS SUCH AS FOUNDATIONS, GUARDRAIL, FENCE OR HANDRAIL POSTS, PAVEMENTS, PIPES, INLETS OR UTILITIES MAY INTERFERE WITH SOIL NAILS FOR RETAINING WALL NO.1.

PROJECT REFERENCE NO.	SHEET NO.		
B-5898/B-3186	<i>W–1A</i>		
GEOTECHNICAL ENGINEER PORTH CAROL OFESSION SEAL 045161 MG INE HAND			
Pocusigned by: Kyan Patrick Doyle ¹¹ 41836319749E419 SIGNATURE	/9/2023		
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
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