

WALL SCHEDULE						
HEIGHT (H)	1'	2'	3'	4'	5'	6'
BASE WIDTH (B)	14"	16"	20"	30"	42"	48"
EMBEDMENT (D)	6"	9"	12"	12"	15"	21"
DRAIN CAP (C)+	--	--	24"	24"	24"	24"
BATTER (S)	2.3"	3.8"	6"	7.5"	9.4"	11.6"

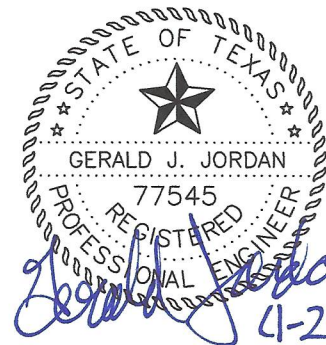
+ NO GRAVEL DRAIN REQUIRED BELOW H=3.0'  
INTERPOLATE DIMENSIONS BETWEEN H FEET


DESIGN CRITERIA:

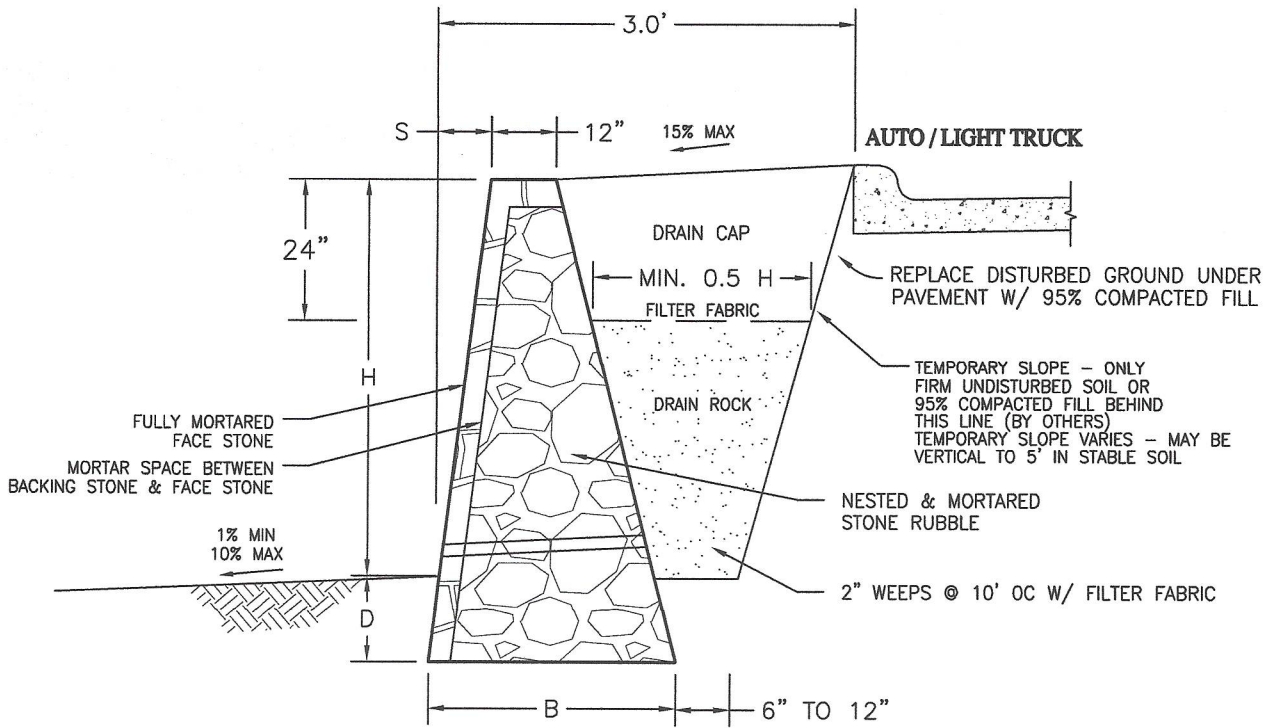
- EFP - 35 pcf
- FRICTION - 0.35
- PASSIVE - 500 psf
- F.S. = 1.50
- MAX. BEARING - 2,000 psf

NOTES

1. Design complies with 2015 IRC R 404. This design is intended only for this site, heights, grades, and other site conditions shown herein. Surcharge is included only if shown herein. Contact Engineer immediately if conditions are different than shown herein. Do not revise or re-use without Engineer's permission. Horizontal & vertical control is by others.
2. MORTAR shall conform to ASTM C270 Type 'S' 1,800 psi @ 28 days.
3. FACE STONE and pattern shall be approved by owner. Rubble size shall be 6"x12" and shall be sorted and nested to minimize voids. Minimum compressive strength of stone & rubble shall be 5,000 psi.
4. BACK FILL - Stone rubble mixed with moist native soil and compacted sufficiently to prevent sinkholes and low spots. Use only for wall H<3.0'.
5. DRAIN - continuous 3/4"x3" crushed stone or angular gravel back fill with max. 12 percent minus #200 sieve size. Provide with filter fabric cover w/ min. 2 oz/sy weight. Provide min. 2" diameter weep holes @ 10' max. spacing w/ filter fabric cover.
6. CAP - 24" of moist native soil graded, compacted and sealed to reduce infiltration of runoff. Use equipment and methods that will not damage walls.
7. All walls shall be bedded in firm COMPACTED FILL or undisturbed Native Soil to the minimum depth (D) specified on the Wall Schedule.
8. Positive drainage must be maintained at all times both during & after construction. Water shall not be allowed to pond near walls. Provision is not made in these plans to control or collect groundwater or seepage that may pass through or under walls. Analysis, evaluation, & mitigation of surface & subsurface drainage (groundwater) is the responsibility of others.
9. MINOR MOVEMENT AND CRACKING IS NORMAL & EXPECTED FOR THIS TYPE OF CONSTRUCTION. Maintaining ground moisture as uniform as possible by regular irrigation & proper drainage will reduce but not eliminate cracking.



 <b>JORDAN CONSULTING ENGINEERS, INC.</b> 2400 W. PIONEER PKWY., SUITE 130, PANTEGO, TX 76013 (817) 860-0166 TEXAS FIRM NO. 4430				
<b>RETAINING WALL DETAIL</b> RANDALL NOE SUBARU CITY OF ROCKWALL, TEXAS				
DRAWN BY	SCALE	DATE	PROJ. NO.	SHEET NO.
	NTS	4-2-18	4199	1 OF 2



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+ NO GRAVEL DRAIN REQUIRED BELOW H=3.0'  
NO SURCHARGE EXPECTED BELOW H=3.0'

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2400 W. PIONEER PKWY., SUITE 130, PANTEGO, TX 76013 (817) 860-0166  
TEXAS FIRM NO. 4430

**RETAINING WALL DETAIL**  
RANDALL NOE SUBARU  
CITY OF ROCKWALL, TEXAS

DRAWN BY

SCALE

DATE

PROJ. NO.

SHEET NO.

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2 OF 2