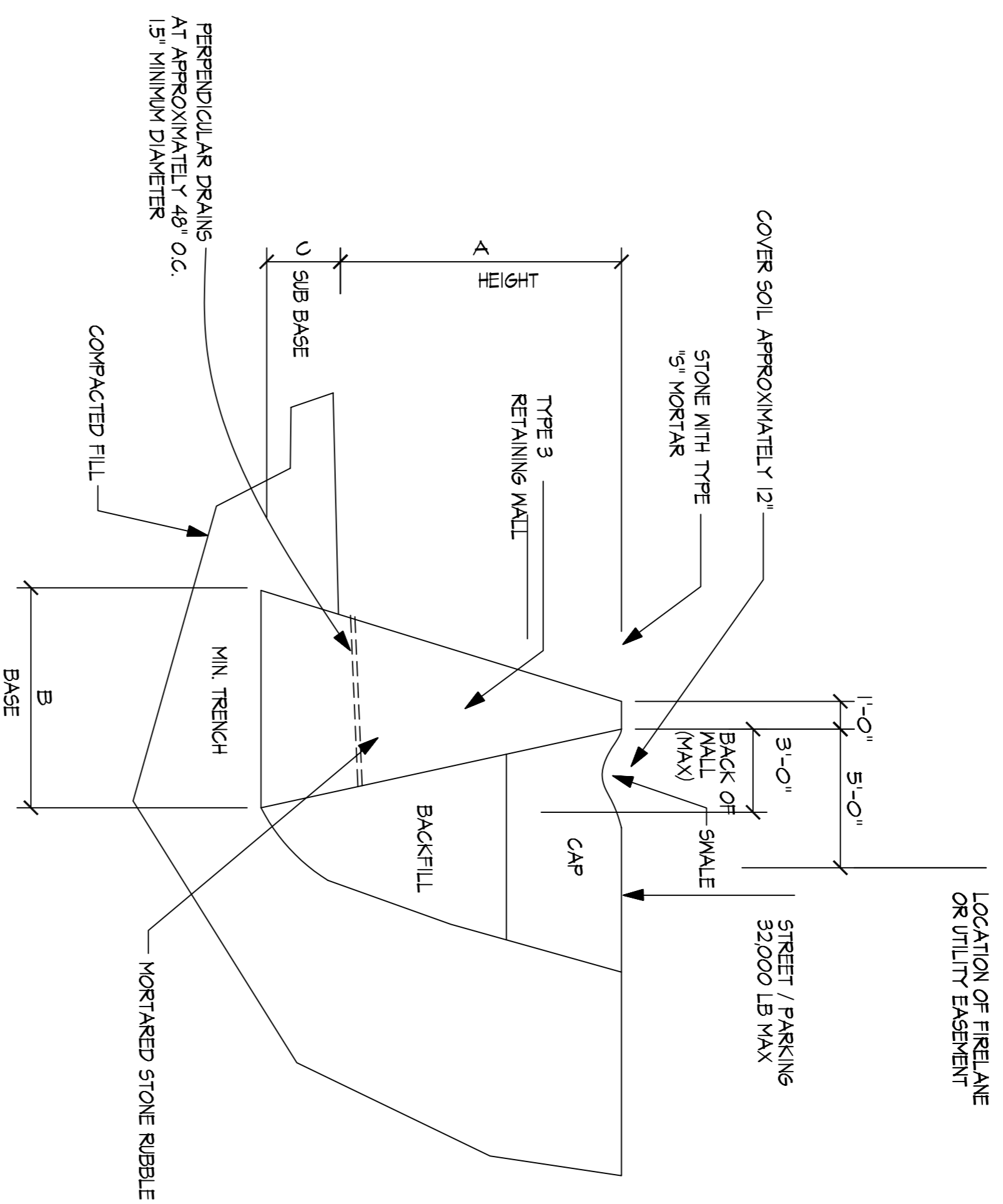


SECTION OF RETAINING WALL TO OCCUR FOLLOWING CONSTRUCTION OF WALL.
 PLACEMENT OF FILTER FABRIC, AND PLACEMENT OF DRAINPIPE BUT BEFORE PLACEMENT OF GRAVEL.



SPECIFICATION TABLE - WITH SURCHARGE CONSIDERATION

HEIGHT (A)	8'	9'	10'	12'
BASE (B)	5'-0"	5'-4"	6'-6"	8'
SUB BASE (C)	2'	2'	2'-6"	3'

3 TYPE 3 GRAVITY RETAINING WALL / WITH SURCHARGE
 NO SCALE

SOIL DATA
 EQUIV. FLUID PRESSURE = 120 PCF
 FRICTION = 0.3
 FACTOR OF SAFETY = 1.5
 ALLOWABLE BEARING = 2500

MATERIALS

1. ALL MORTAR - SHALL BE TYPE M, 2500 PSI @ 28 DAYS.
2. STONE - FACE STONE & PATTERN SHALL BE APPROVED BY OWNER. MINIMUM COMPRESSIVE STRENGTH = 5000 PSI.
3. DRAIN - CONTINUOUS 3/4" X 3" ANGULAR GRAVEL OR CRUSHED STONE WITH MAX. 12 PERCENT #200 SIEVE SIZE. PROVIDE WITH MIRAFIL 140N FILTER FABRIC COVER OR APPROVED EQUIVALENT. PROVIDE MIN. 2" DIAMETER WEEP HOLES @ MAX. 10' SPACING.
4. DRAIN CAP - MOIST NATIVE SOIL GRADED, COMPACTED AND SEALED TO REDUCE INFILTRATION OF RUNOFF. USE EQUIPMENT AND METHODS THAT WILL NOT DAMAGE WALLS.
5. CONTROL JOIST - SHALL BE PROVIDED @ 25' MAXIMUM SPACING.
6. BACK FILL - STONE RUBBLE MIXED WITH MOIST NATIVE SOIL AND COMPACTED SUFFICIENTLY TO PREVENT SINK HOLES AND LOW SPOTS.

The seal appearing on this document was authorized by Tony H. Childress, P.E. #72029 on 08/20/07 (Record Copy on file)



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 CHILDRESS ENGINEERING SERVICES, INC. 2505 North Plano Road, Suite 1200 Richardson, Texas 75082 Office: (214) 451-6630 Fax: (214) 451-6631	WILKINSON COMMONS LA JOLLA POINTE DRIVE AND I-30 ROCKWALL, TEXAS RETAINING WALLS	PROJECT NO: DRAWN: TJC DATE: 08-04-07 SCALE: 1/4" = 1'-0" DRAWING NO.: SHEET: 4 of 8	MANUAL COMP <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>REV</th> <th>BY</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>THC</td> <td>08/11/07</td> <td>REVISED WALL DESIGN</td> </tr> </tbody> </table>	REV	BY	DATE	DESCRIPTION	1	THC	08/11/07	REVISED WALL DESIGN
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