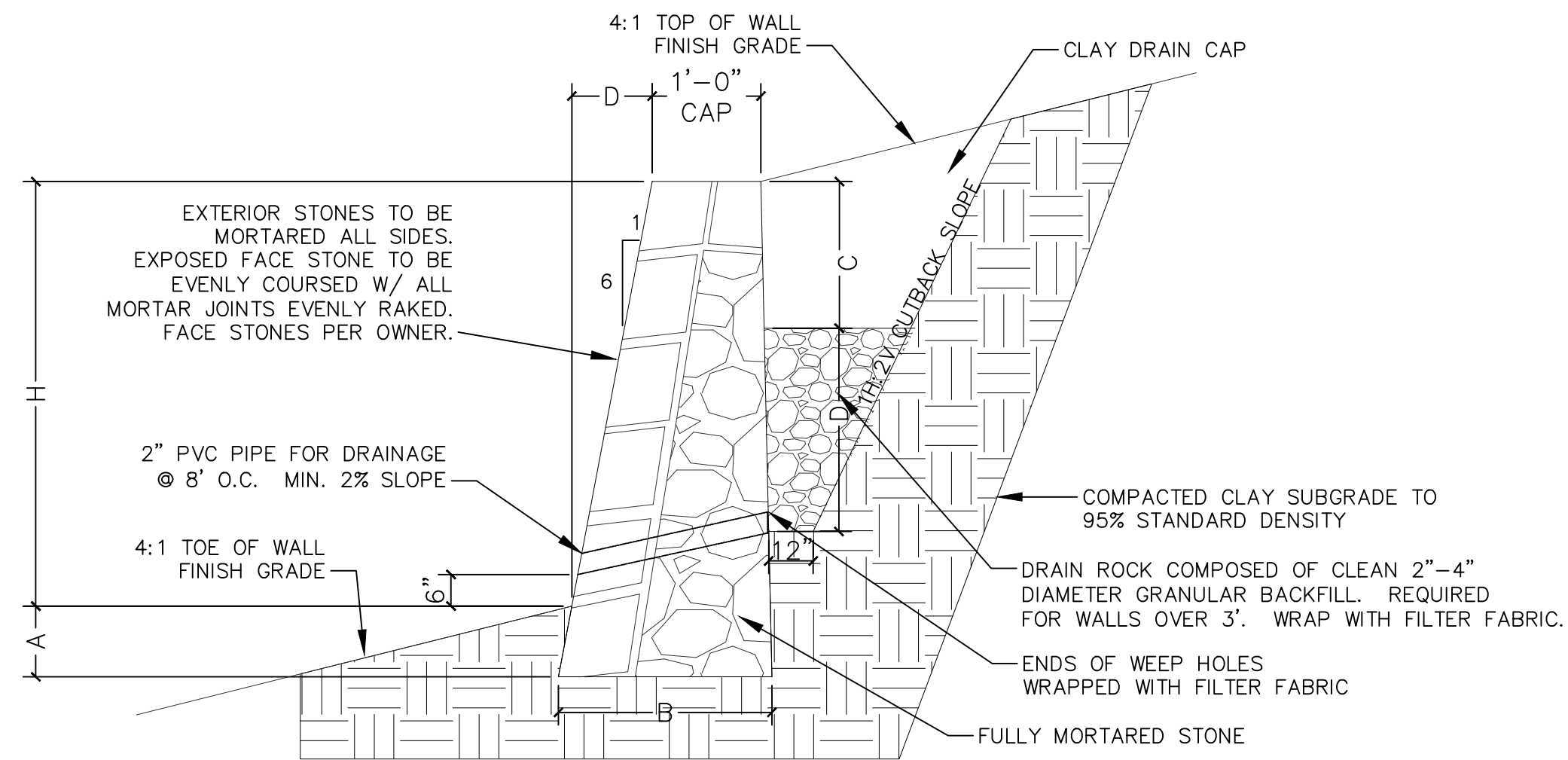
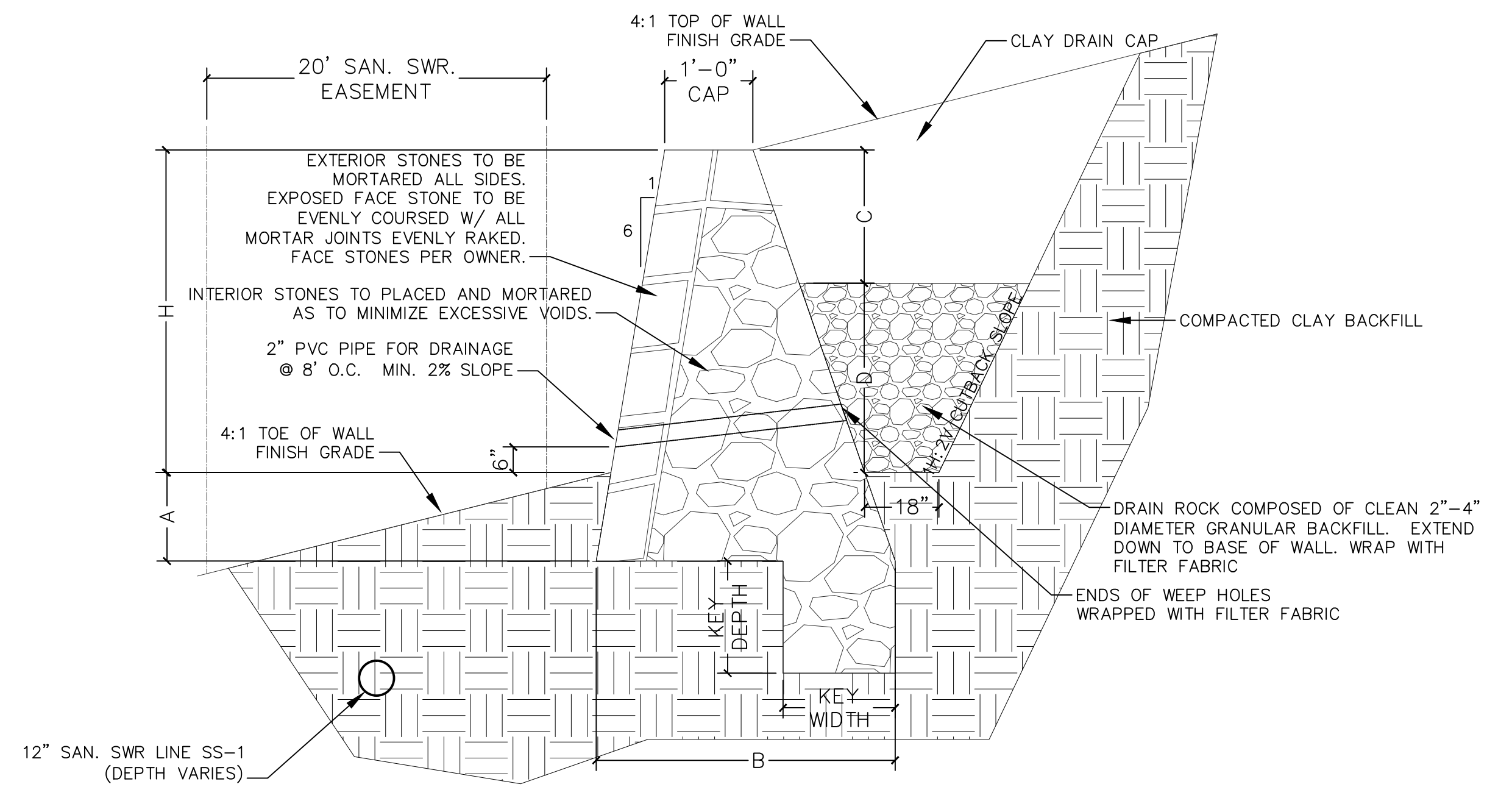


Plotted by: ##### Plot Date: 4/18/2019 5:17 PM

Drawing: C:\Reaves Consulting, LLC\Projects\Rockwall\Rockwall-13' Max.Ret. Wall REV. 19-4-18.dwg
 Saved By: Richard Save Time: 4/18/2019 5:15 PM

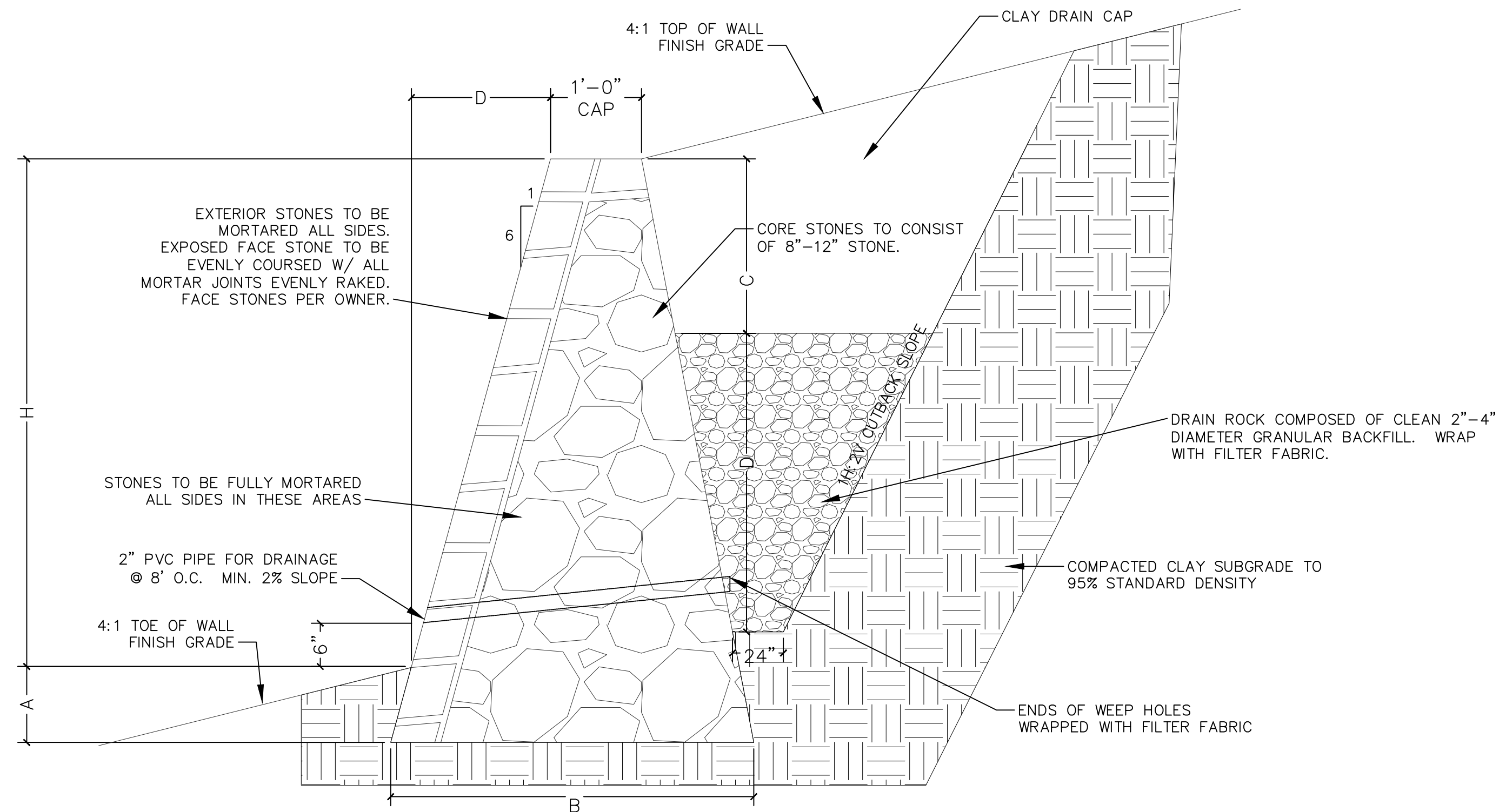


1 RETAINING WALL SECTION ADJACENT FLOOD PLAIN
 S2 1'-4' WALL HEIGHT (TYP.)-4:1 FINISH GRADE SCALE: N.T.S.



3 RETAINING WALL SECTION ADJACENT SAN. SEWER EASEMENT
 S2 1'-6' WALL HEIGHT-4:1 FINISH GRADE SCALE: N.T.S.

NOTE: OFFSET FROM TOE OF RETAINING WALLS "A", "B", & "C" TO EDGE OF 20' SANITARY SEWER EASEMENT FOR LINE SS-1 VARIES FROM APPROXIMATELY 1.5' TO 5.0'.



2 RETAINING WALL SECTION ADJACENT FLOOD PLAIN
 S2 4'-5' WALL HEIGHT (TYP.)-4:1 FINISH GRADE SCALE: N.T.S.

TYPICAL RETAINING WALLS W/ 4:1 FINISH GRADE AT TOP & BOTTOM-DETAIL 3/S2 WALL DIMENSION SCHEDULE (BASED ON CLAY (CH) SOIL)

HEIGHT (H)	1'	2'	3'	4'	5'	6'
BASE DEPTH (A)	12"	12"	12"	12"	18"	24"
BASE WIDTH (B)	18"	24"	24"	30"	36"	48"
KEY DEPTH	N/A	N/A	8"	12"	12"	12"
KEY WIDTH	N/A	N/A	18"	24"	24"	24"
CAP DEPTH (C)	FULL	FULL	24"	24"	24"	24"
GRAVEL DEPTH (D)	N/A	N/A	12"	24"	36"	48"
BATTER	2"	4"	6"	8"	10"	12"

TYPICAL RETAINING WALLS W/ 4:1 FINISH GRADE AT TOP & BOTTOM-DETAILS 1/S2 & 2/S2 WALL DIMENSION SCHEDULE (BASED ON CLAY (CH) SOIL)

HEIGHT (H)	1'	2'	3'	4'	5'
BASE DEPTH (A)	12"	12"	18"	21"	24"
BASE WIDTH (B)	14"	16"	24"	30"	36"
CAP DEPTH (C)	FULL	FULL	24"	24"	24"
GRAVEL DEPTH (D)	N/A	N/A	12"	24"	36"
BATTER	2"	4"	6"	8"	10"

F-10826

Richard Reaves
 91128
 LICENSED PROFESSIONAL ENGINEER

REAVES CONSULTING
 REAVES CONSULTING
 831 ARROWHEAD DRIVE
 ROCKWALL, TEXAS 75078
 972.347.3908
 RICHARD@REAVESCONSULTINGLLC.COM

April 18, 2019

#	PLAN REVIEW REVISIONS	BY	DATE
1	REVISED PER CIVIL GRADING REVISIONS	RR	4/18/19
#	CONSTRUCTION REVISIONS	BY	DATE

Retaining Wall Details	PROJECT
LADERA ROCKWALL	HRK-172
SITE RETAINING WALLS-13' MAX	SHEET
City of Rockwall, Rockwall County, Texas	S2 of 4