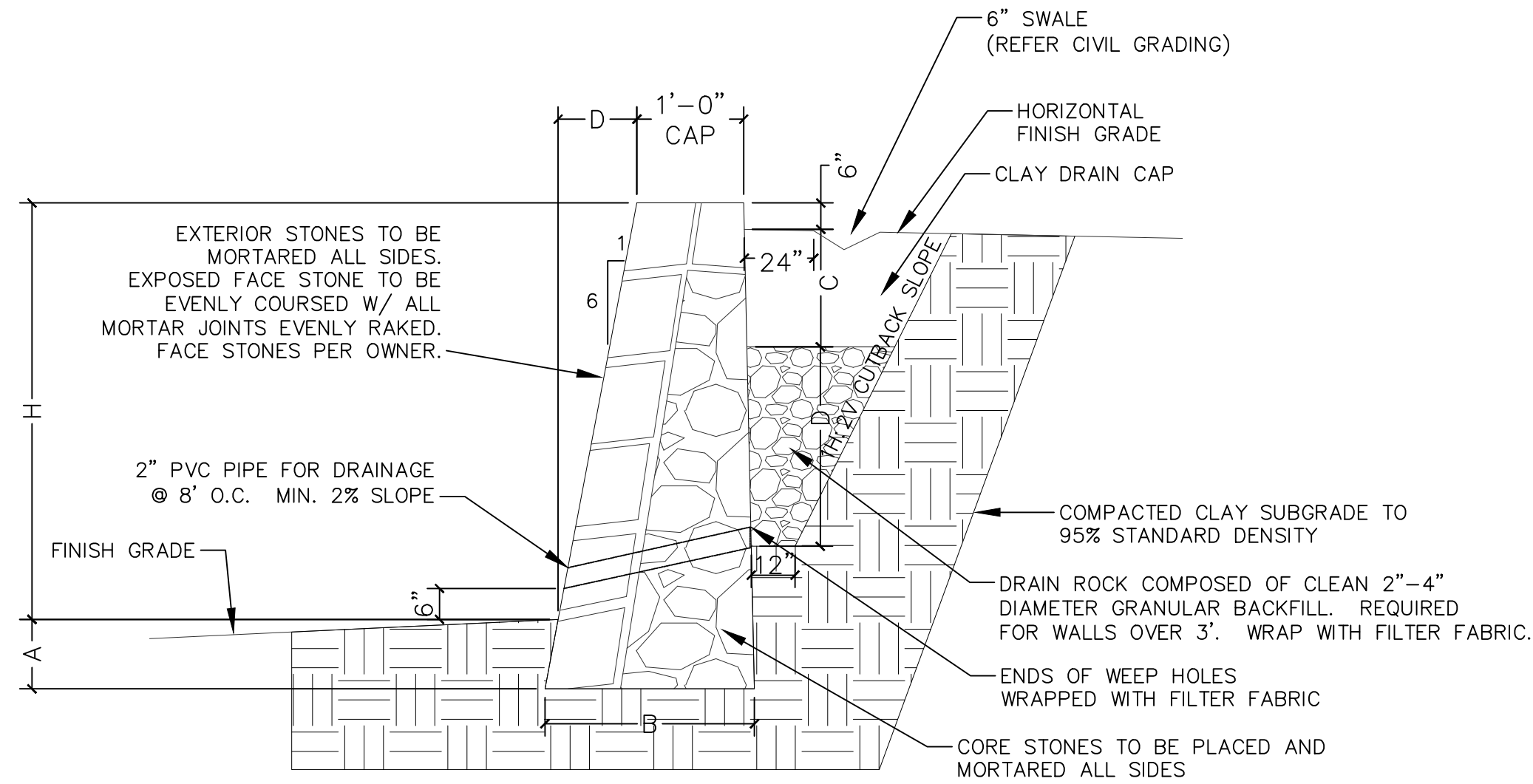


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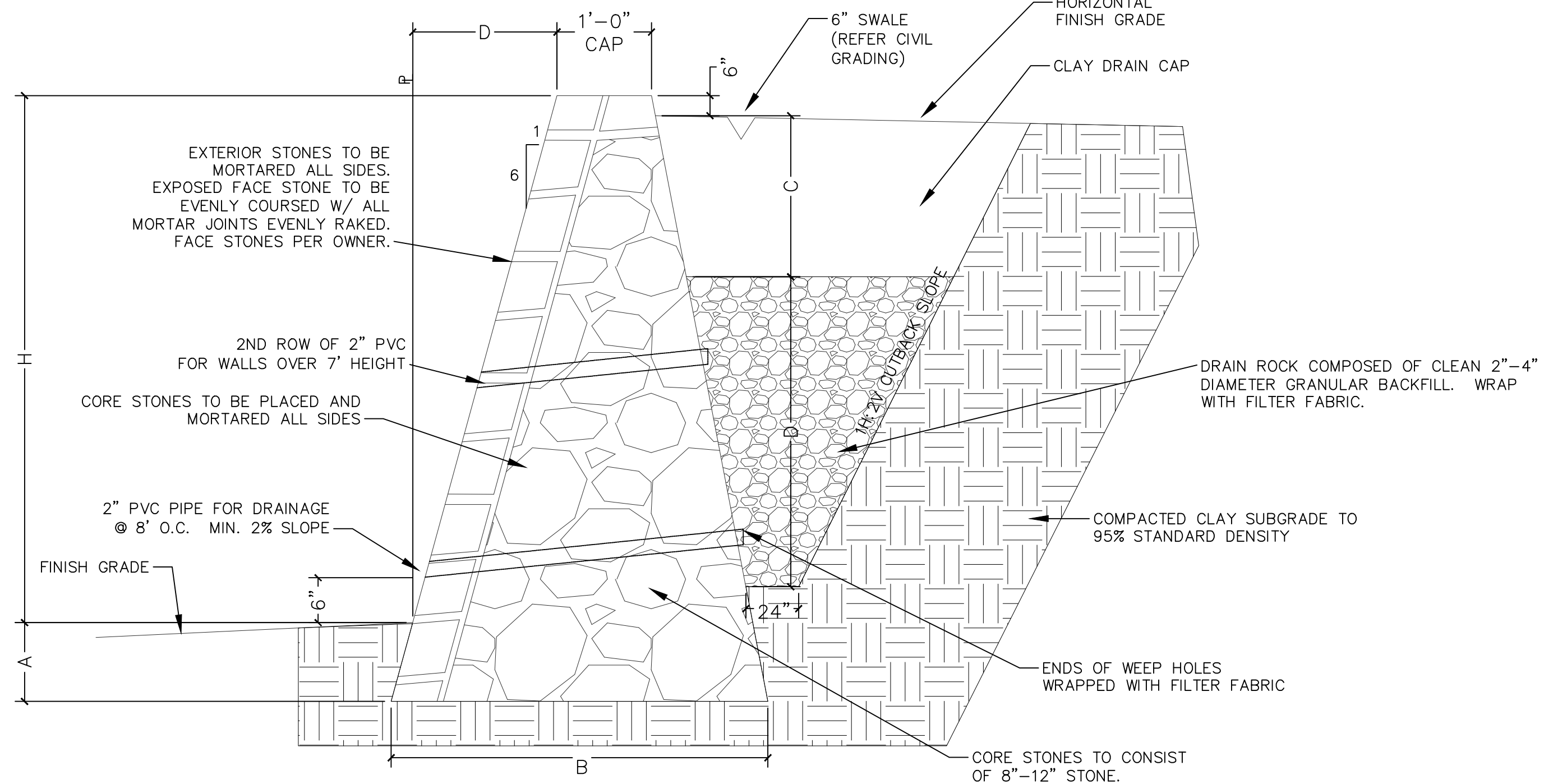
Drawing: C:\Reaves Consulting, LLC\Reaves Consulting LLC\Projects\Ladera Rockwall-13' Max.Ret. Wall REV 19-4-18.dwg
Saved By: Richard Save Time: 4/18/2019 5:15 PM



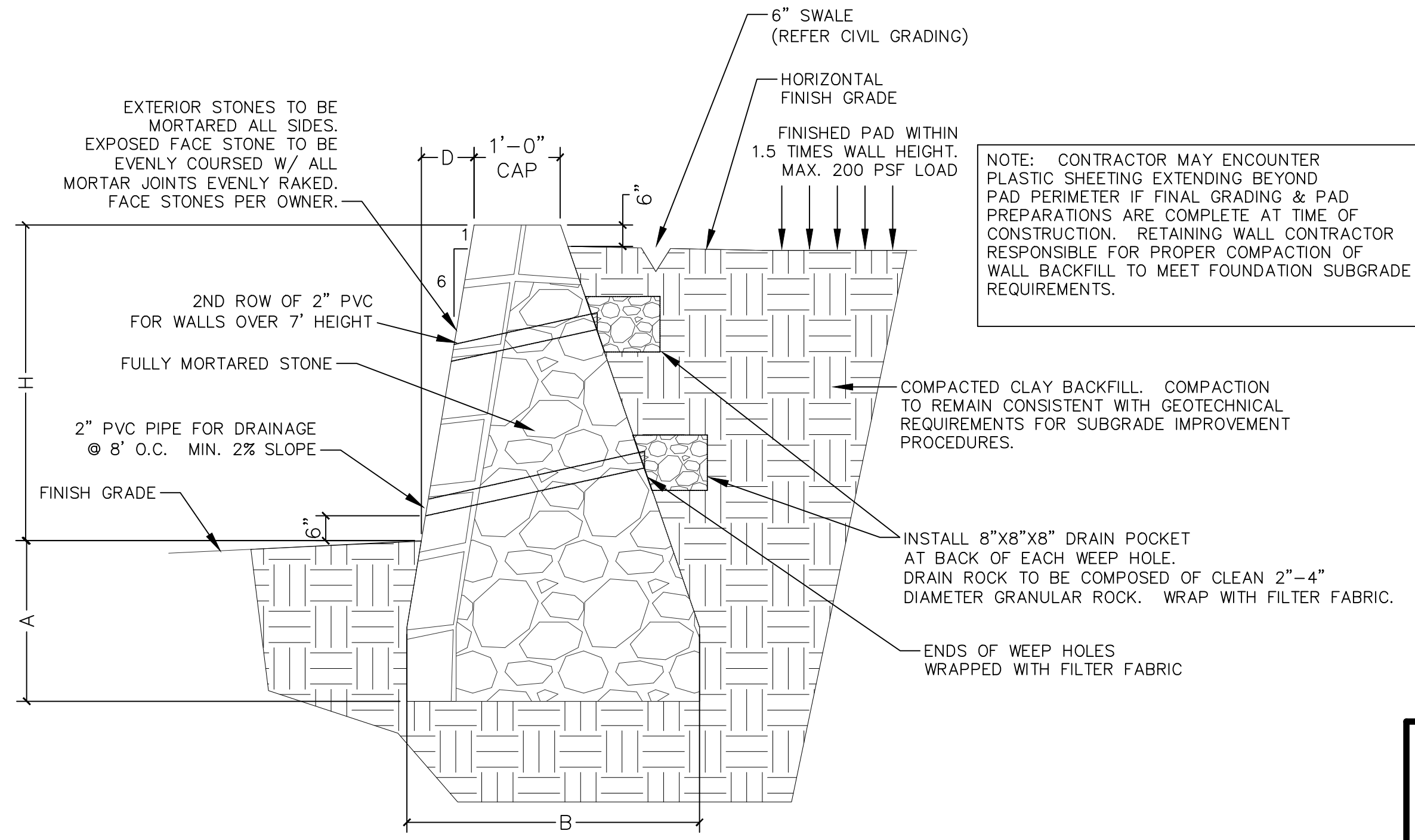
1 RETAINING WALL SECTION-WALL "E"
1'-4' WALL HEIGHT (TYP.)-HORIZONTAL FINISH GRADE SCALE: N.T.S.

TYPICAL SIDE & REAR RETAINING WALLS W/ HORIZONTAL FINISH GRADE AT TOP OF WALL-DETAILS 1/S1 & 2/S1
WALL DIMENSION SCHEDULE (BASED ON CLAY (CH) SOIL)

HEIGHT (H)	1'	2'	3'	4'	5'	6'	7'	8'	9'	10'
BASE DEPTH (A)	12"	12"	15"	18"	20"	21"	24"	27"	30"	33"
BASE WIDTH (B)	14"	16"	18"	27"	36"	42"	48"	54"	60"	66"
CAP DEPTH (C)	FULL	FULL	24"	24"	24"	24"	28"	32"	36"	40"
GRAVEL DEPTH (D)	N/A	N/A	12"	24"	36"	48"	56"	64"	72"	80"
BATTER	2"	4"	6"	8"	10"	12"	14"	16"	18"	20"



2 RETAINING WALL SECTION-WALL "E"
4'-10' WALL HEIGHT (TYP.)-HORIZONTAL FINISH GRADE SCALE: N.T.S.



3 RETAINING WALL SECTION W/ POTENTIAL SURCHARGE-WALL "E"
1'-11' WALL HEIGHT-HORIZONTAL FINISH GRADE SCALE: N.T.S.

NOTE: PAD SURCHARGE ANTICIPATED FOR THE FOLLOWING WALL SECTION:
1-PORION OF RETAINING WALL "E" AT REAR OF ACTIVITY CENTER.

TYPICAL RETAINING WALLS W/ 200 psf SURCHARGE & HORIZONTAL GRADE-DETAIL 3/S1
WALL DIMENSION SCHEDULE (BASED ON CLAY (CH) SOIL)

HEIGHT (H)	*1'	2'	3'	4'	5'	6'	7'	8'	9'	10'	11'
BASE DEPTH (A)	12"	24"	30"	39"	42"	48"	60"	64"	69"	84"	105"
BASE WIDTH (B)	18"	24"	32"	39"	48"	60"	60"	72"	84"	84"	84"
CAP DEPTH (C)	FULL	FULL	FULL	FULL	FULL	FULL	FULL	FULL	FULL	FULL	FULL
GRAVEL DEPTH (D)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
BATTER	2"	4"	6"	8"	10"	12"	14"	16"	18"	20"	22"

*NOTE: 1' WALL HEIGHTS NOT ANTICIPATED TO EXPERIENCE SURCHARGE BUT ARE SHOWN TO MAINTAIN A HOMOGENEOUS WALL SECTION.

F-10826

Richard Reaves
91128
LICENSED PROFESSIONAL ENGINEER

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April 18, 2019

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

Retaining Wall Details

LADERA ROCKWALL

SITE RETAINING WALLS-13' MAX

City of Rockwall, Rockwall County, Texas

PROJECT
HRK-172

SHEET
S1A of 4