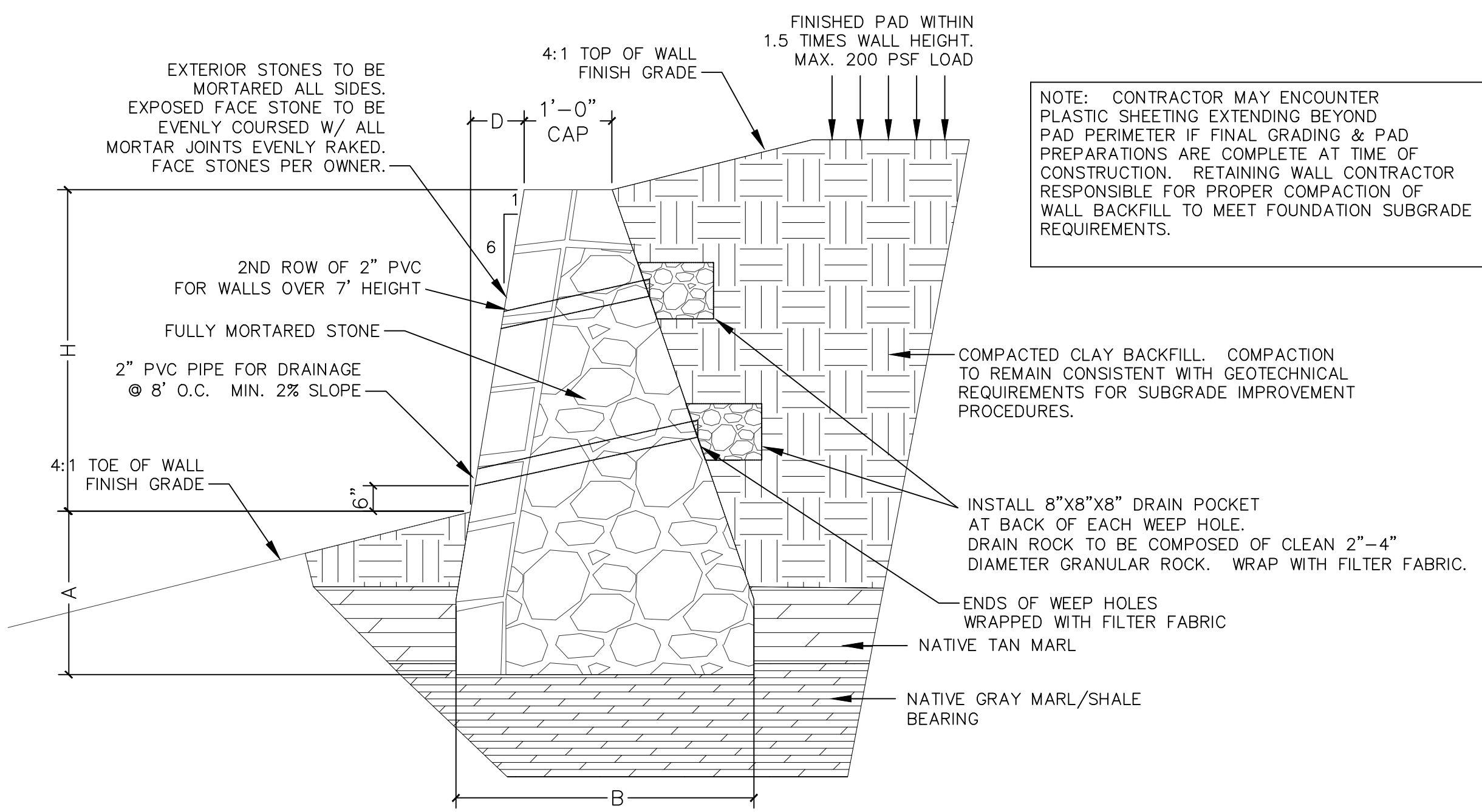


Drawing: C:\Reaves Consulting, LLC\Reaves Consulting LLC\Projects\Ladera Rockwall-13' Max.Ret. Wall REV. 19-4-18.dwg
 Saved By: Richard Save Time: 4/18/2019 5:15 PM
 Plotted by: ##### Plot Date: 4/18/2019 5:17 PM

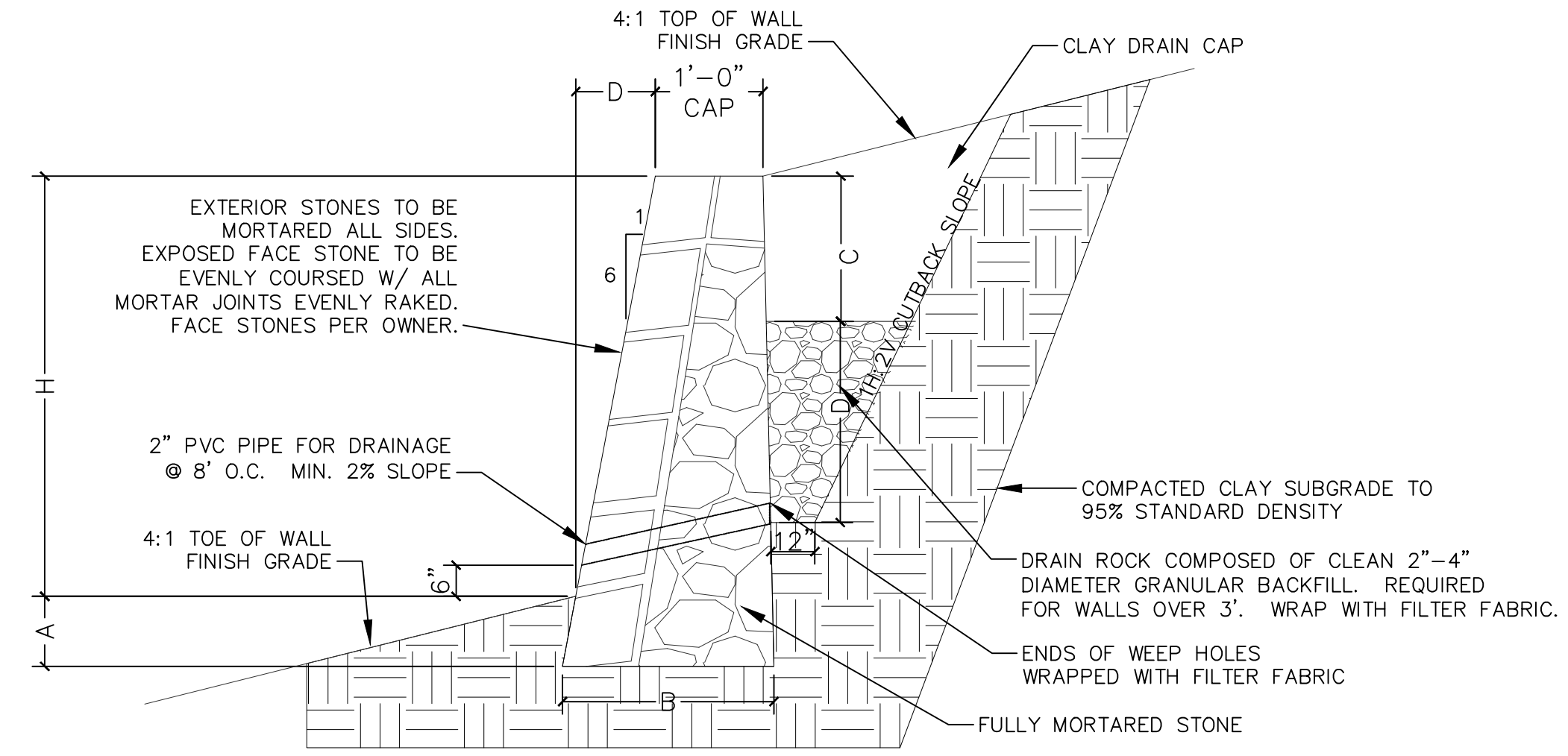


1 RETAINING WALL SECTION W/ POTENTIAL SURCHARGE
 S3 1'-13' WALL HEIGHT-4:1 FINISH GRADE SCALE: N.T.S.

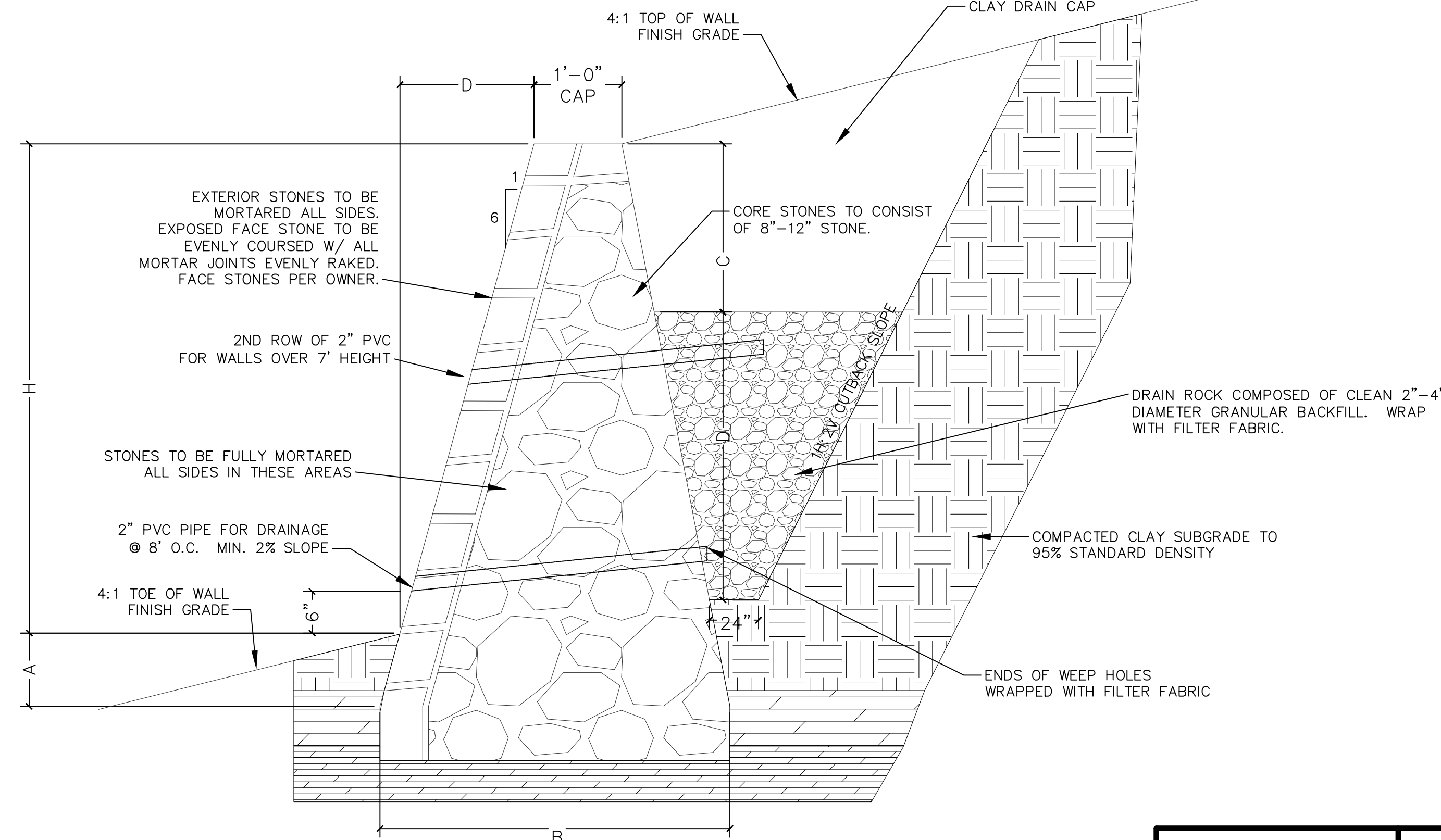
NOTE: BEARING ON GRAY MARL/SHALE REQUIRED FOR GLOBAL STABILITY. APPLICABLE TO 7'-13' WALL HEIGHTS WHERE PAD SURCHARGE ANTICIPATED. DEPTH TO GRAY MARL/SHALE VARIES.

TYPICAL RETAINING WALLS W/ 200 psf SURCHARGE & HORIZONTAL GRADE-DETAIL 1/S3 WALL DIMENSION SCHEDULE (BASED ON GRAY MARL/SHALE BEARING)													
HEIGHT (H)	*1'	*2'	*3'	*4'	*5'	*6'	7'	8'	9'	10'	11'	12'	13'
**BASE DEPTH (A)	12"	24"	27"	33"	42"	54"	72"	72"	72"	72"	72"	72"	72"
BASE WIDTH (B)	16"	18"	30"	39"	45"	51"	60"	69"	84"	102"	120"	144"	156"
CAP DEPTH (C)	FULL	FULL	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	N/A	N/A
BATTER	12"	14"	16"	18"	20"	22"	22"	22"	22"	22"	22"	24"	26"

*NOTE: 1'-6' WALL HEIGHTS NOT ANTICIPATED TO EXPERIENCE SURCHARGE BUT ARE SHOWN TO MAINTAIN A HOMOGENEOUS WALL SECTION.
 **NOTE: MINIMUM FOOTING DEPTH SHOWN. FOOTING SHALL BEAR ON GRAY MARL/SHALE FOR GLOBAL STABILITY. DEPTH TO GRAY MARL/SHALE VARIES. REFER BORING LOGS BY EWI FOR STRATA DEPTHS.



2 RETAINING WALL SECTION
 S3 1'-4' WALL HEIGHT (TYP.)-4:1 FINISH GRADE SCALE: N.T.S.



3 RETAINING WALL SECTION ADJACENT FLOOD PLAIN
 S3 4'-7' WALL HEIGHT (TYP.)-4:1 FINISH GRADE SCALE: N.T.S.

NOTE: WALL HEIGHTS 4' AND TALLER SHALL BEAR ON GRAY MARL/SHALE FOR GLOBAL STABILITY.

TYPICAL RETAINING WALLS W/ 4:1 FINISH GRADE AT TOP & BOTTOM-DETAILS 2/S3 & 3/S3 WALL DIMENSION SCHEDULE (BASED ON GRAY MARL/SHALE BEARING)							
HEIGHT (H)	*1'	*2'	*3'	*4'	5'	6'	7'
**BASE DEPTH (A)	12"	12"	15"	18"	24"	24"	27"
BASE WIDTH (B)	16"	18"	24"	33"	39"	42"	48"
CAP DEPTH (C)	FULL	FULL	24"	24"	24"	24"	28"
GRAVEL DEPTH (D)	N/A	N/A	12"	24"	36"	48"	56"
BATTER	2"	4"	6"	8"	10"	12"	14"

*NOTE: WALL HEIGHTS BELOW 4' HEIGHT ARE DESIGNED TO BEAR ON (CH) CLAY SOILS.
 **NOTE: MINIMUM FOOTING DEPTH SHOWN. FOOTING FOR RETAINING WALLS 4' AND OVER SHALL BEAR ON GRAY MARL/SHALE FOR GLOBAL STABILITY. DEPTH TO GRAY MARL/SHALE VARIES. REFER BORING LOGS BY EWI FOR STRATA DEPTHS.

F-10826

Richard Reaves
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April 18, 2019

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#	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	S3 of 4