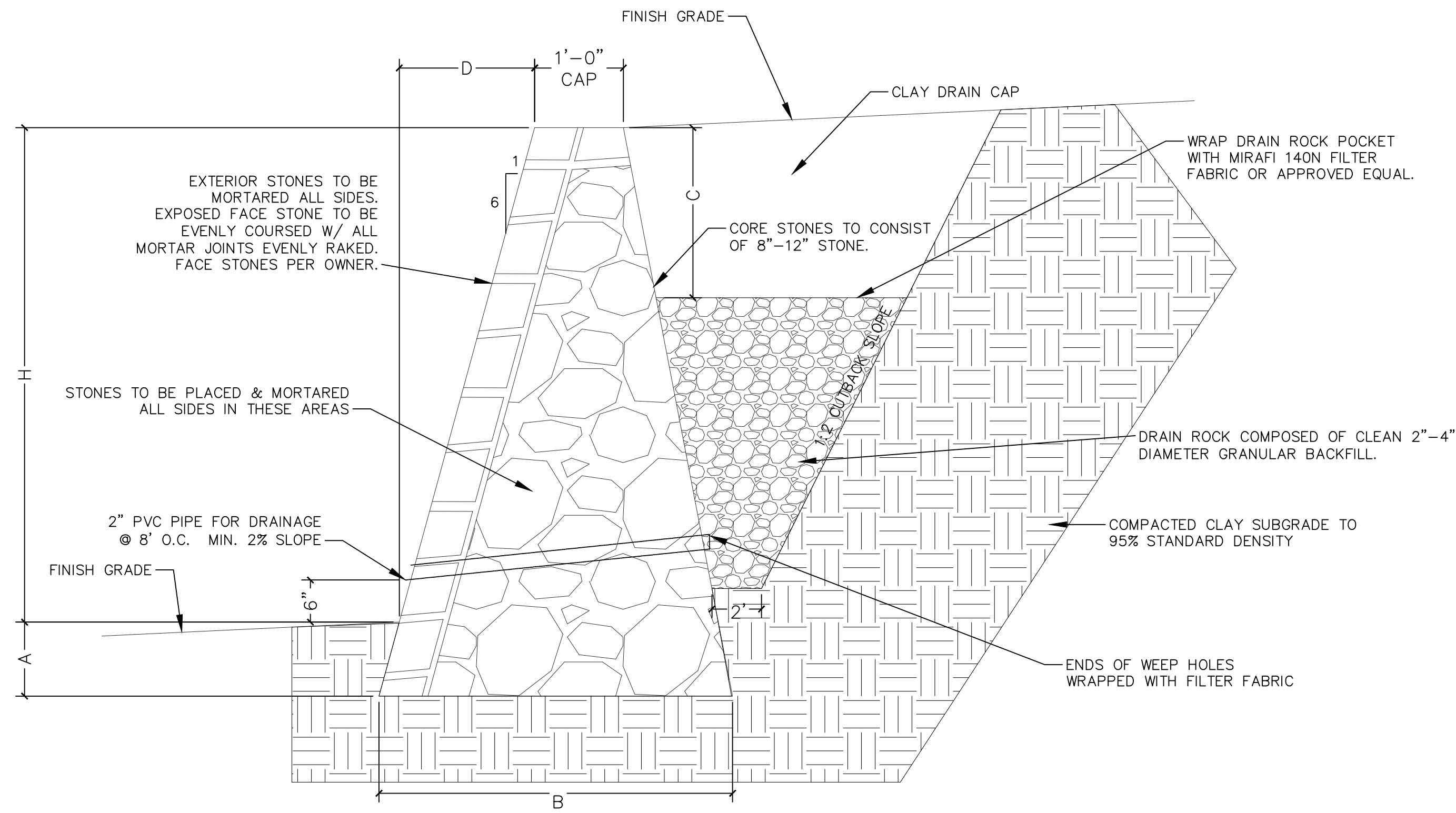
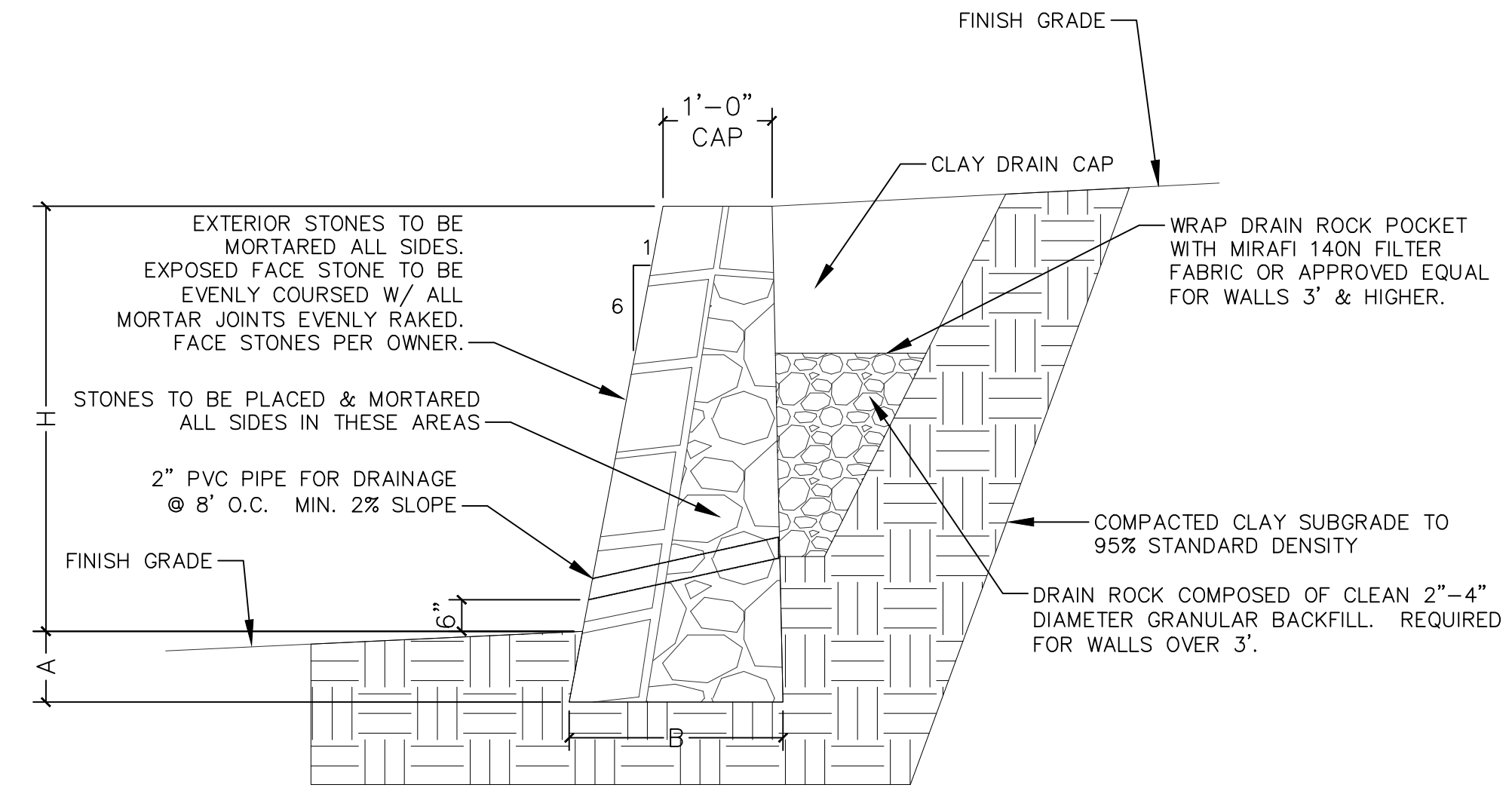


Drawing: C:\Reeves Consulting, LLC\Projects\Stone Creek Phase 7\Retaining Walls\Stone Creek Phase 7 -7
 Max:Retaining Wall 16-3-30.dwg Saved By: Richard Save Time: 4/1/2016 11:16 AM
 Plotted by: ##### Plot Date: 4/1/2016 11:17 AM

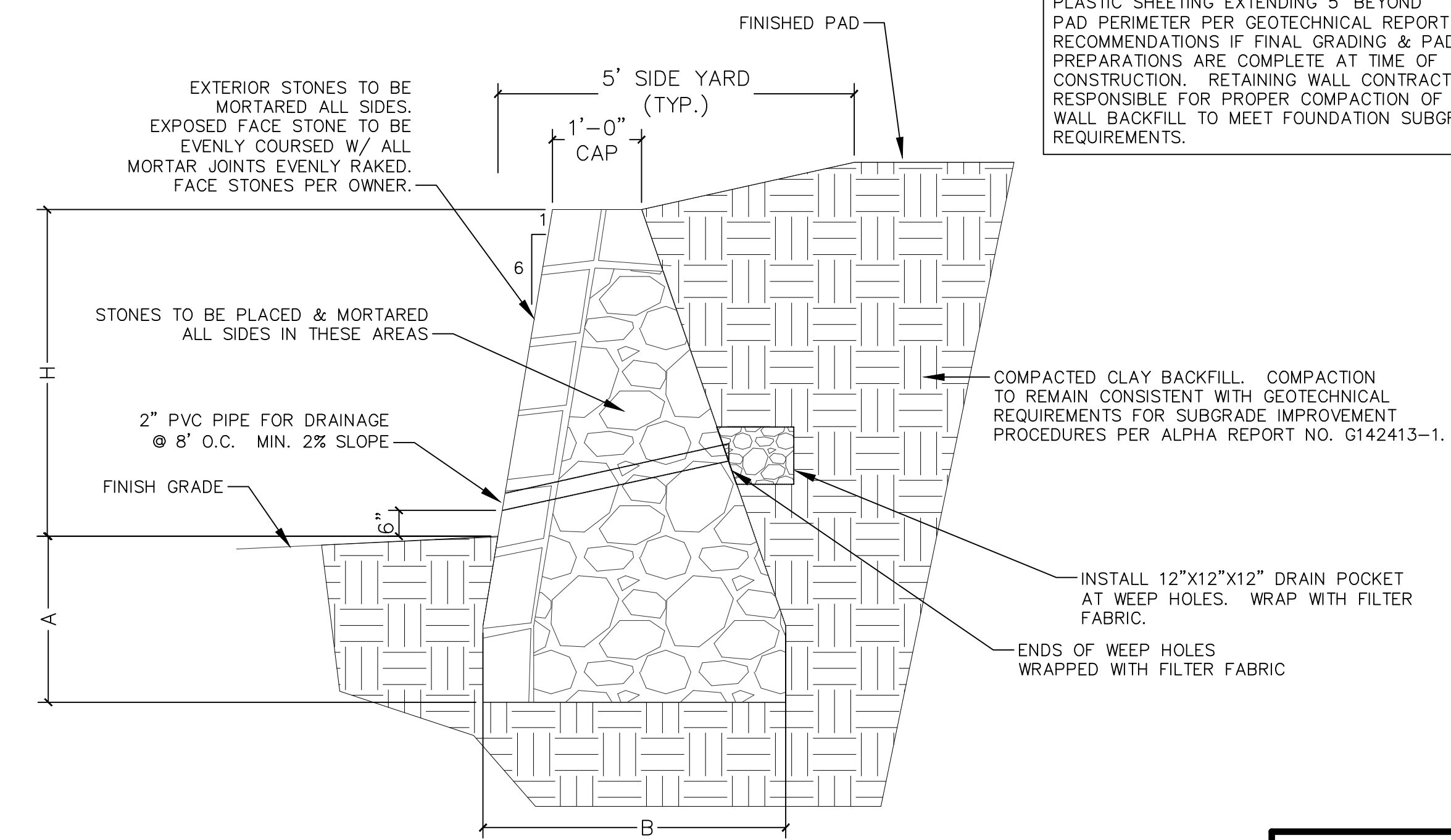


1 RETAINING WALL SECTION
 S1 4'-7" WALL HEIGHT (TYP.) SCALE: N.T.S.

TYPICAL SIDE YARD AND REAR YARD RETAINING WALLS-DETAILS 1/S1 & 2/S1 WALL DIMENSION SCHEDULE (BASED ON CLAY (CH) SOIL)							
HEIGHT (H)	1'	2'	3'	4'	5'	6'	7'
BASE DEPTH (A)	6"	9"	12"	15"	21"	27"	30"
BASE WIDTH (B)	14"	16"	18"	24"	30"	36"	42"
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"



2 RETAINING WALL SECTION
 S1 1'-4" WALL HEIGHT (TYP.) SCALE: N.T.S.



3 SIDE YARD RETAINING WALL SECTION
 S1 4'-6" SIDE YARD WALL HEIGHT W/ SURCHARGE (BLOCK A, LOTS 22-25) SCALE: N.T.S.

NOTE: CONTRACTOR MAY ENCOUNTER PLASTIC SHEETING EXTENDING 3' BEYOND PAD PERIMETER PER GEOTECHNICAL REPORT RECOMMENDATIONS IF FINAL GRADING & PAD PREPARATIONS ARE COMPLETE AT TIME OF CONSTRUCTION. RETAINING WALL CONTRACTOR RESPONSIBLE FOR PROPER COMPACTION OF WALL BACKFILL TO MEET FOUNDATION SUBGRADE REQUIREMENTS.

GENERAL NOTES:

- WALLS NOT DESIGNED FOR SURCHARGE LOADS, UNLESS SPECIFICALLY SHOWN. NO SURCHARGE LOAD ANTICIPATED FOR STRUCTURES LOCATED GREATER THAN 1.5 TIMES WALL HEIGHT.
- DESIGN BASED ON WALL HEIGHTS AND LOCATIONS AS SHOWN ON PRELIMINARY GRADING PLANS BY CORWIN ENGINEERING, INC. DATED DECEMBER 2015 AND RECOMMENDATIONS PROVIDED IN GEOTECHNICAL REPORT (NO. G142413-1) DATED 12/17/15 BY ALPHA TESTING, INC. AS PROVIDED BY CONTRACTOR. ENGINEER TO BE NOTIFIED FOR REVIEW OF RETAINING WALLS SHOULD FINAL GRADING PLANS CHANGE PRIOR TO CONSTRUCTION.
- PROLONGED EXPOSURE OF BEARING SURFACE TO AIR OR WATER WILL RESULT IN CHANGES TO STRENGTH AND COMPRESSIBILITY OF BEARING SOILS. SHALLOW FOUNDATIONS FOR RETAINING WALLS SHOULD BE SLIGHTLY DEEPENED (MINIMUM 3") AND CLEANED TO PROVIDE FRESH BEARING SURFACE WHEN FOUNDATION CUTS EXPOSED LONGER THAN 48 HOURS OR TO RAIN PRIOR TO PLACEMENT OF BASE COURSE.
- MAXIMUM 5:1 TOE SLOPES FOR ALL SECTIONS OF WALL.
- INSTALL WEEP HOLES FOR ALL WALLS 3' HEIGHT AND OVER.
- CONTRACTOR TO PROVIDE FENCE SLEEVES AS REQUESTED BY OWNER.
- FACE STONES TO BE SELECTED BY OWNER.
- MINIMUM 5,000 PSI FACE STONES AND TYPE S MORTAR REQUIRED.
- CONTROL JOINTS SHALL BE SPACED AT 25' MAXIMUM.
- CORE STONES SHALL CONSIST OF 8"-12" STONE WHICH MAY CONSIST OF FACE STONE RUBBLE OR RIP-RAP.
- DRAIN CAP TO CONSIST OF COMPACTED NATIVE CLAY SOILS WITH MINIMUM PI=25 TO LIMIT ABSORPTION OF SURFACE RUNOFF.
- WALL SUBGRADE SHOULD BE CLOSELY MONITORED DURING EXCAVATION. UNSUITABLE MATERIALS AT THE FOUNDATION LEVEL SHOULD BE REMOVED AND REPLACED WITH LEAN CONCRETE (MIN. 2000 PSI @ 28 DAYS) OR COMPACTED FLEX BASE MATERIAL.
- PERIODIC OBSERVATION BY ENGINEER OR RECORD DURING CONSTRUCTION IS RECOMMENDED IN ORDER TO PROVIDE OVERALL OPINION AS TO CONTRACTOR'S ADHERENCE TO PLANS AND SPECIFICATIONS. THIS IN NO WAY IS A GUARANTEE OR WARRANTY AS TO CONTRACTOR'S WORK.
- CONTRACTOR SHALL PROVIDE ENGINEER MINIMUM 72 HOURS NOTICE PRIOR TO BEGINNING CONSTRUCTION TO SCHEDULE REQUIRED INSPECTIONS.
- DUE TO EXPANSIVE CLAY SOILS IN THIS AREA IT IS RECOMMENDED THAT PROPERTY OWNER(S) MAINTAIN GOOD WATERING PRACTICES TO LIMIT SOIL MOVEMENTS AND EXCESSIVE PRESSURES ON WALL.

SIDE YARD RETAINING WALLS W/ PAD SURCHARGE=150psf-DETAIL 3/S1 WALL DIMENSION SCHEDULE (BASED ON CLAY (CH) SOIL)			
HEIGHT (H)	4'	5'	6'
BASE DEPTH (A)	39"	48"	54"
BASE WIDTH (B)	48"	60"	72"
CAP DEPTH (C)	FULL	FULL	FULL
GRAVEL DEPTH (D)	N/A	N/A	N/A
BATTER	8"	10"	12"

F-10826

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March 30, 2016

#	PLAN REVIEW REVISIONS	BY	DATE
0			

#	CONSTRUCTION REVISIONS	BY	DATE
0			

Retaining Wall Details	PROJECT
STONE CREEK PHASE 7	HRK-147
RETAINING WALLS-7' MAX	SHEET
City of Rockwall, Rockwall County, Texas	S1 of 1