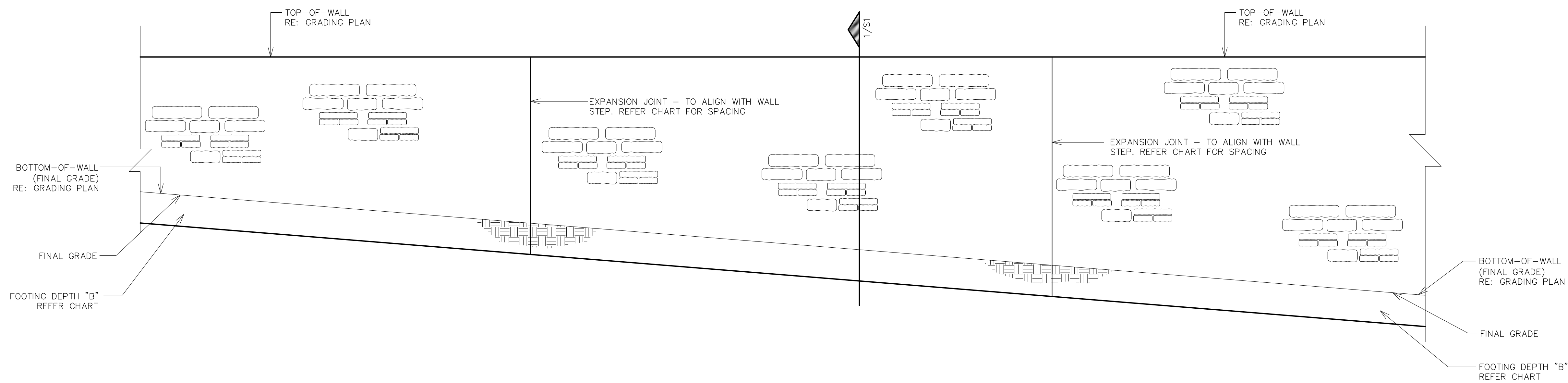


**1 SECTION**  
SCALE N.T.S.

Wall Face "A"	Footing Depth "B"	Footing Width "C"	Expansion Joint Spacing
TO 3'-0"	1'-0"	2'-7"	35'-0"
@ 4'-0"	1'-0"	3'-1"	35'-0"
@ 5'-0"	1'-0"	3'-9"	35'-0"
@ 6'-0"	1'-2"	4'-6"	30'-0"
@ 7'-0"	1'-4"	5'-4"	25'-0"
@ 8'-0"	1'-4"	6'-0"	25'-0"
@ 9'-0"	1'-6"	6'-10"	25'-0"

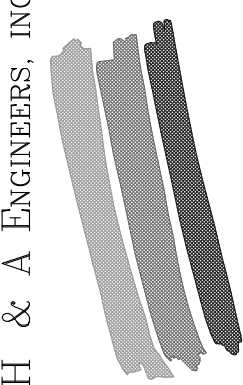


**2 ELEVATION**  
SCALE N.T.S.

NOTES

- FOR WALL LAYOUT AND SPECIFIC LOCATION ON THE SITE
- DESIGN PARAMETERS:  
 UNIT SOIL WEIGHT.....110 PCF  
 ALLOWABLE BEARING CAPACITY.....2,000 PSF  
 COEFFICIENT OF FRICTION AT FOOTING.....0.55  
 EQUIVALENT FLUID PRESSURE.....35 PCF  
  
 SHOULD SOIL CONDITIONS OTHER THAN THESE BE ENCOUNTERED, CONTACT THE ENGINEER PRIOR TO PROCEEDING.
- THE BASE STONE, TO HEIGHT "C", SHALL BE TIGHTLY FITTED STONE DRY MORTARED IN PLACE.
- THE WALL FOOTING SHALL BEAR WITHIN UNDISTURBED NATIVE SOIL.
- EARTH BACKFILL SHALL BE INACTIVE SELECT MATERIAL WITH A LIQUID LIMIT LESS THAN 40 PERCENT AND A PLASTICITY INDEX BETWEEN 4 AND 15. BACKFILL SHALL BE PLACED IN 12 INCH LOOSE LIFTS, AND COMPACTED TO 90% STANDARD PROCTOR AT A MOISTURE CONTENT FROM -3% TO +3% OF THE OPTIMUM MOISTURE VALUE.
- STONE BACKFILL SHALL BE CLEAN CRUSHED STONE OR RIVER ROCK PLACED AGAINST THE BACK WALL FACE, AND SHALL BE SEPARATED FROM ANY SOIL WITH FILTER FABRIC.
- THE WALL SHOWN IS DESIGNED TO SUPPORT THE LATERAL LOADS OF THE BACKFILL SOILS ONLY. ALL LOADS FROM ADJACENT STRUCTURES SHALL BE SUPPORTED BY SOILS THAT ARE A MINIMUM DISTANCE AWAY FROM THE WALL OF NOT LESS THAN 1.5 TIMES THE HEIGHT OF THE WALL, OR SUPPORTED BY PIERS OR FOOTINGS THAT DO NOT IMPACT THE RETAINING WALL.
- POSITIVE SURFACE DRAINAGE MUST BE PROVIDED BOTH ABOVE AND AT THE TOE OF ALL WALL. NOTIFY THE ENGINEER IF THE FINAL SLOPE EITHER ABOVE THE WALL OR AT THE TOE OF THE WALL IS GREATER THAN 6 TO 1.
- FOR ALL WALLS PROVIDE WALL FACE EXPANSION JOINTS AT SPACINGS SHOWN. USE 1"x4" TREATED LUMBER TO FORM THE JOINT WITHIN THE WALL FACE.
- FOR WORKER SAFETY, TEMPORARY SLOPE PROTECTION MAY BE REQUIRED. THE CONTRACTOR SHALL FOLLOW ALL REQUIREMENTS AND REGULATIONS FOR EXCAVATION, TRENCHING, AND SHORING AS CONTAINED IN SUBPART P, PART 1926 OF THE CODE OF FEDERAL REGULATIONS (OSHA 2207), AND SHALL COMPLY WITH ALL STATE AND LOCAL REGULATIONS CONCERNING THE SAME.
- FOR FINAL WALL ELEVATIONS AND LAYOUT, REFER BUILDER.

H & A ENGINEERS, INC.



701 W. BARKO, CORPUS CHRISTI, TEXAS 78408 Metro 817/266-8821  
 TYPE FIRM REGISTRATION NUMBER F-763 903-641-0427

STONE RETAINING WALLS  
 RIDGECREST  
 ROCKWALL, TEXAS

DATE:  
4-26-17  
 DRAWN BY:  
L.A.C.  
 CHECKED BY:  
J.L.H.

RET. WALLS-TRACON  
 RIDGECREST RW

REVISIONS:



9-26-27

SHEET:

S1

OF 1 SHEETS