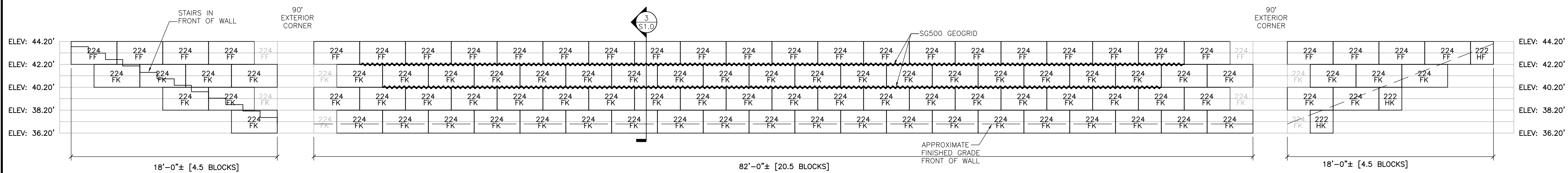
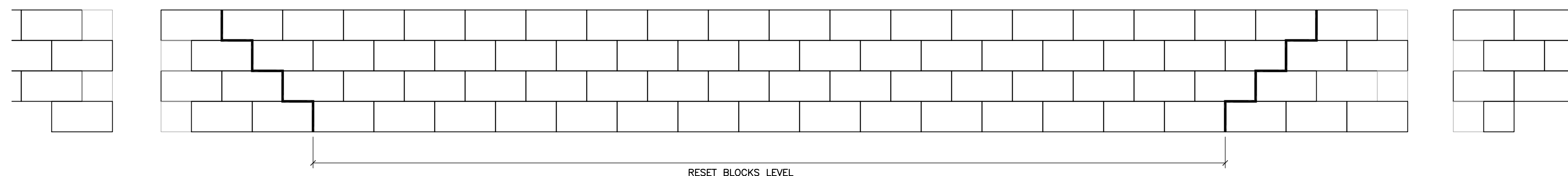


1 BLOCK PLAN  
S1.0  
1" = 5'



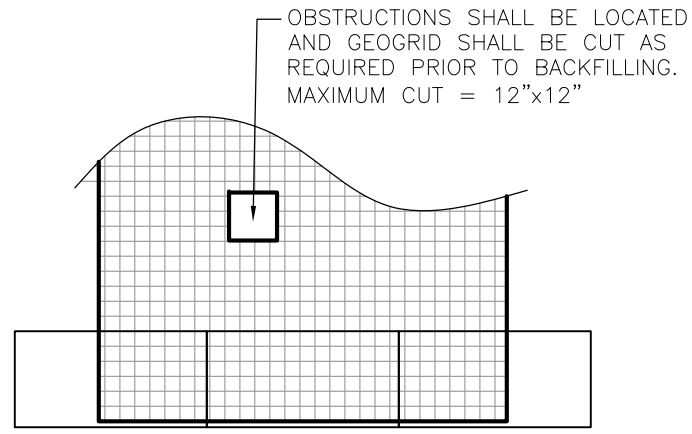
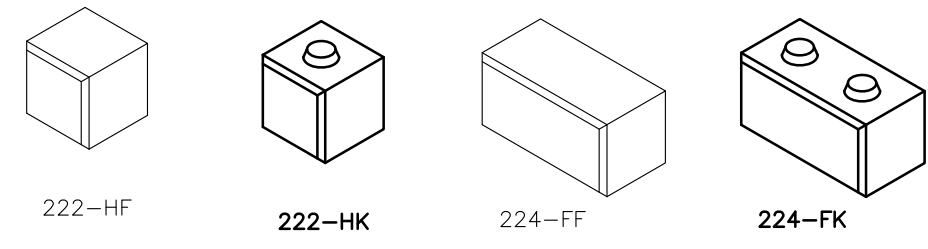
2 WALL ELEVATION  
S1.0  
3/16" = 1'



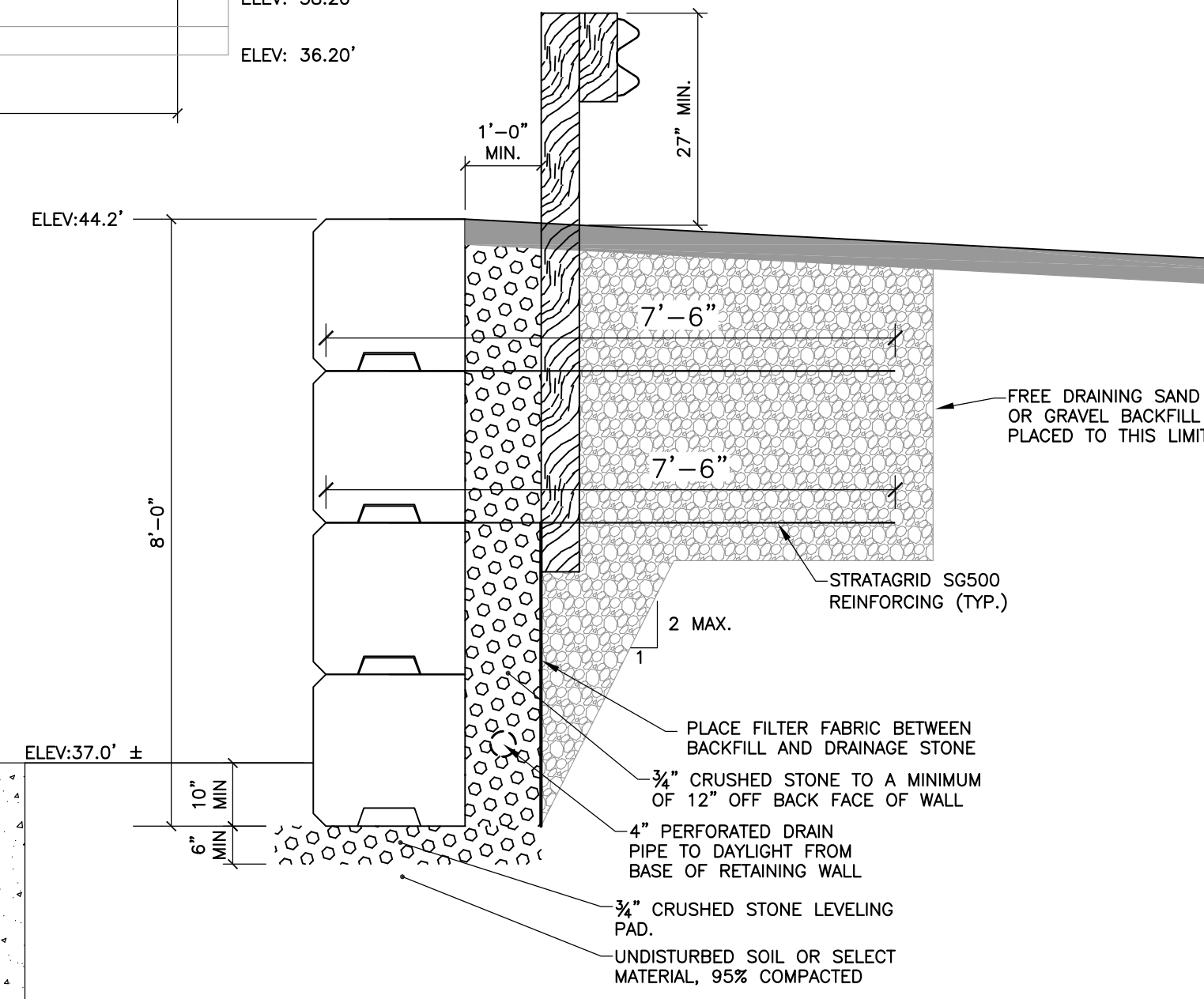
4 BLOCK RESETTING PLAN  
S1.0  
3/16" = 1'

- RETAINING WALL NOTES:**
- CONCRETE USED FOR WALL UNITS SHALL HAVE A 28-DAY COMPRESSIVE STRENGTH OF 3,000 P.S.I. WALL UNITS SHALL COMPLY WITH ASTM C-94 AND ACI-301-99, HAVE 4 1/2% - 7 1/2% ENTRAINED AIR, 4" - 6" SLUMP, AND MUST BE PLACED AT A MINIMUM OF 50'.
  - UNDERDRAINS SHALL BE PERFORATED GEOTEXTILE WRAPPED, 4" DIAMETER, AND SHALL MEET THE REQUIREMENTS OF AASHTO M252 AND/OR ASTM F949. UNDERDRAINS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. DRAINS NOT SPECIFIED TO TIE INTO THE SITE DRAINAGE SHALL DRAIN TO DAYLIGHT.
  - LEVELING PAD SHALL BE 3/4" CRUSHED STONE WITH NO MORE THAN 5% PASSING A #200 SIEVE.
  - DRAINAGE MATERIAL SHALL BE 3/4" CRUSHED STONE PLACED DIRECTLY BEHIND WALL FOR THE DEPTHS SPECIFIED ON PLANS (1'-0" MIN) AND SHALL EXTEND VERTICALLY FROM LEVELING PAD TO 4" BELOW TOP OF WALL. MIRAFI 140N OR APPROVED EQUAL FILTER FABRIC SHALL BE PLACED BETWEEN ALL INTERFACES OF DRAINAGE MATERIAL AND VIRGIN AND/OR SILTY MATERIALS. EXPOSED DRAINAGE STONE SHALL BE PROTECTED FROM FINE SOIL MIGRATION THROUGHOUT CONSTRUCTION.
  - ALL BACKFILL AND FOUNDATION SOIL SHALL BE COMPACTED TO 95% OF STANDARD PROCTOR (ASTM D698). ONLY HAND-OPERATED COMPACTION EQUIPMENT SHALL BE ALLOWED WITHIN 3 FEET OF THE BACK OF THE WALL BLOCKS. BACKFILL AND COMPACT THE FILL MATERIAL BEHIND THE WALL AS THE WALL IS INSTALLED. SPREAD BACKFILL IN UNIFORM LIFTS NOT EXCEEDING 8 INCHES.
  - BACKFILL SOIL BEYOND DRAINAGE ZONE SHALL BE WELL GRADED SAND/GRAVEL AND SHALL MEET THE FOLLOWING GRADATION:
 

SIEVE SIZE	PERCENT PASSING
3 IN.	100
3/4 IN.	60-100
NO. 4	40-90
NO. 40	10-50
NO. 200	0-10
  - ENSURE THAT THE FIRST COURSE OF WALL UNITS IS IN FULL CONTACT WITH FOUNDATION. INSTALL NEXT COURSE OF UNITS SUCH THAT THE VERTICAL GAPS ARE STAGGERED BETWEEN ADJACENT COURSES.
  - CONTRACTOR AND ENGINEER-OF-RECORD SHALL APPROVE/PROVIDE ALL ELEVATIONS AND INVERTS IN THESE PLANS PRIOR TO ORDERING MATERIAL.
  - WALL ANGLES SHALL BE SLIGHTLY ADJUSTED TO ACCOMMODATE PROPERTY LINES AND OBSTRUCTIONS.
  - CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT EXCAVATIONS ARE STABLE AND MEET OSHA REQUIREMENTS.
  - WALL DESIGN IS BASED ON PLAN TITLED "SHOWING THE EXISTING DETERIORATING RAILROAD TIE WALL TO BE REPLACED WITH A CONCRETE OR BLOCK WALL AT 61 CRESCENT STREET WALTHAM, MASSACHUSETTS, PREPARED BY BIBBO BROTHERS AND ASSOCIATES, DATED 9/15/2016.



5 OBSTRUCTION CUTOUT DETAIL  
S1.0  
1/4" = 1'



3 TYPICAL WALL SECTION  
S1.0  
1/2" = 1'

No.	Date	Revision	By

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FAX: 508-653-6672

**61 Crescent Street Waltham, MA**  
Conigliaro Block Wall Shop Drawings  
Project No. \_\_\_\_\_  
Date: 5/7/18  
Designed by: JMB  
Drawn by: JMB  
Checked by: \_\_\_\_\_  
Scale: AS SHOWN

DWG NO. **S1.0**