



10'x6' PRECAST CONCRETE WITH MONOLITHIC SURFACING
RIM ELEV = 214.80
INV ELEV = 211.25

MATCH NEW BIT. PAVEMENT CAP.
EXISTING BIT. C PAVEMENT CAP

CONCRETE (JERSEY) BARRIER WITH WOODEN FENCE

INSTALL CONCRETE (JERSEY) BARRIERS AROUND CATCH BASIN VAULT IN LOCATIONS SHOWN

10'x6' PRECAST CONCRETE WITH MONOLITHIC SURFACING APPLIED TO THE INTERIOR
RIM ELEV = 215.50
INV ELEV = 211.00

EXISTING NOISE BARRIER

EXISTING MATERIAL BINS

EXISTING NOISE BARRIER

1 BLOCK PLAN
1" = 20'

No.	Date	Revision
1	10/26/2017	Change bin wall length, Add metal & wood bin walls



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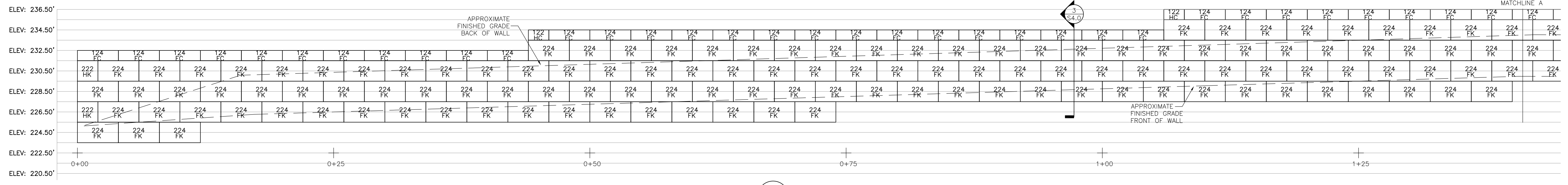
CONIGLIARO BLOCK
701 WAVERLY STREET
FRAMINGHAM, MA 01702
PHONE: 508-872-9668
FAX: 508-653-6672

**Back Landfill Closure and Reuse
Brookline, MA
Conigliaro Block Wall Shop Drawings**

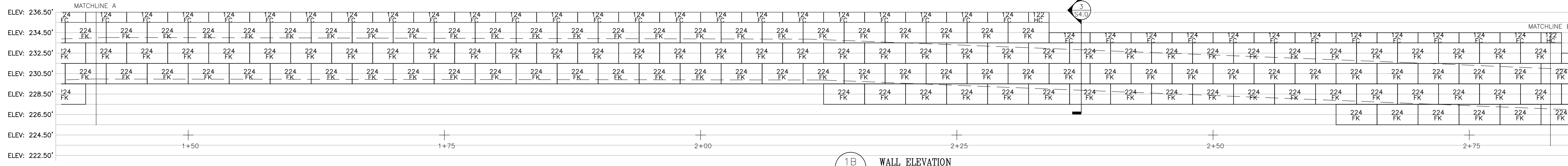
Project No. 654580
Date: 9/22/2017
Designed by: JMB
Drawn by: JMB
Checked by: AS SHOWN

PREPARED FOR:
J. Bates & Son, LLC
P. O. Box 997
Clinton, MA

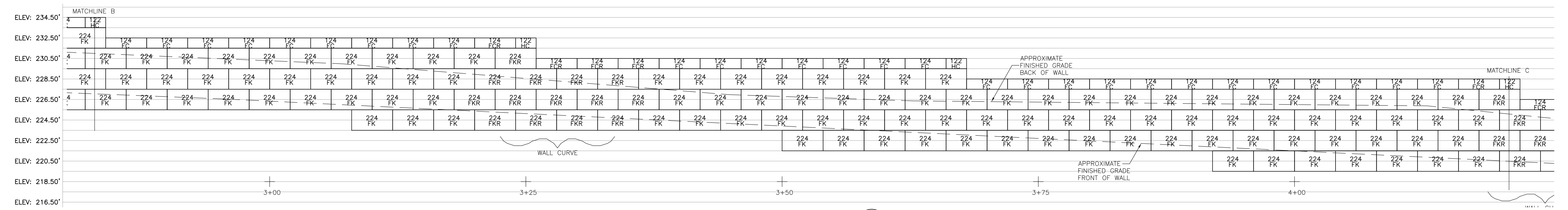
DWG NO.
S1.0



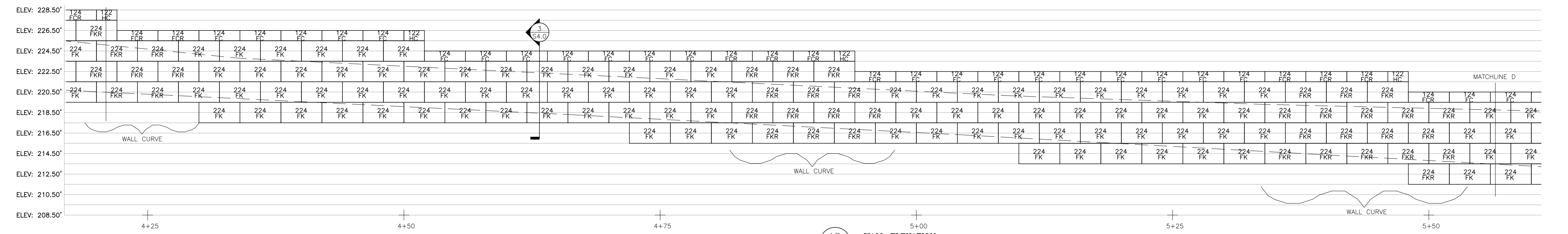
1A WALL ELEVATION
S2.0
3/16" = 1'



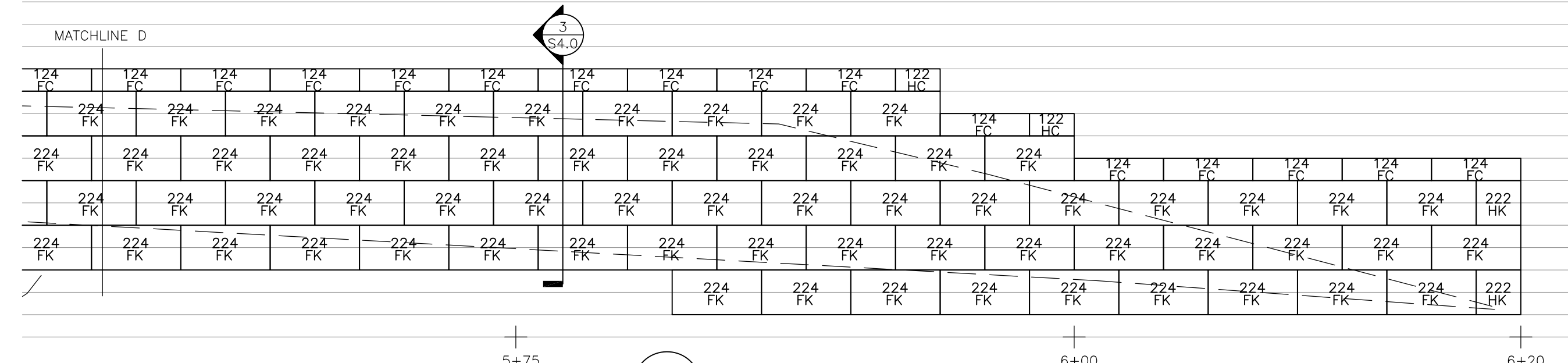
1B WALL ELEVATION
S2.0
3/16" = 1'



1C WALL ELEVATION
S2.0
3/16" = 1'

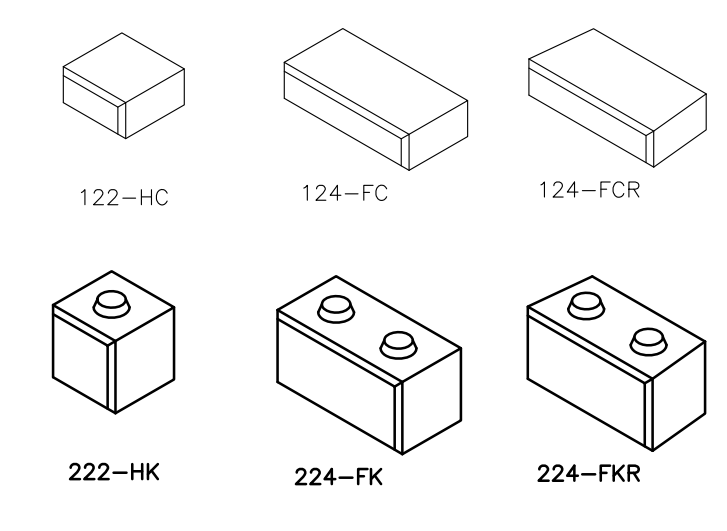


1D WALL ELEVATION
S2.0
3/16" = 1'



1E WALL ELEVATION
S2.0
3/16" = 1'

ELEV: 222.50'
ELEV: 220.50'
ELEV: 218.50'
ELEV: 216.50'
ELEV: 214.50'
ELEV: 212.50'
ELEV: 210.50'
ELEV: 208.50'



Block Count	
Name	Count
122-HC	12
124-FC	134
124-FCR	15
222-HK	4
224-FK	493
224-FKR	53
Total	711
Area	5004 sf

By	JMB
Date	11/27/2017
Revision	Revised wall layout
No.	



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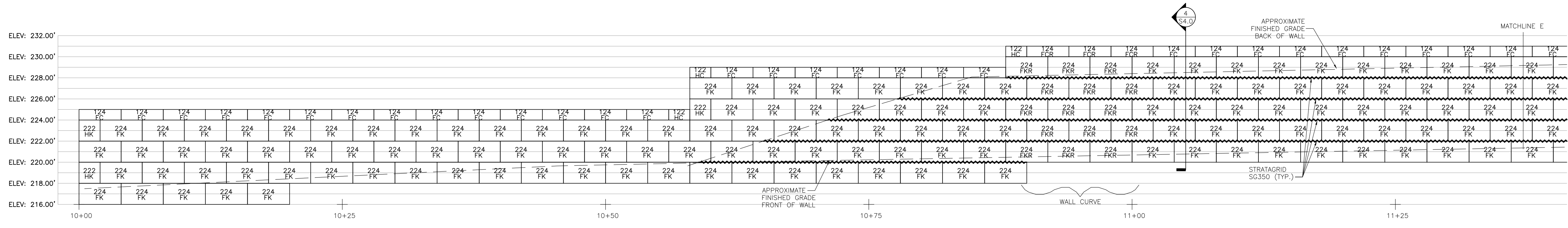
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Brookline, MA
Conigliaro Block Wall Shop Drawings**

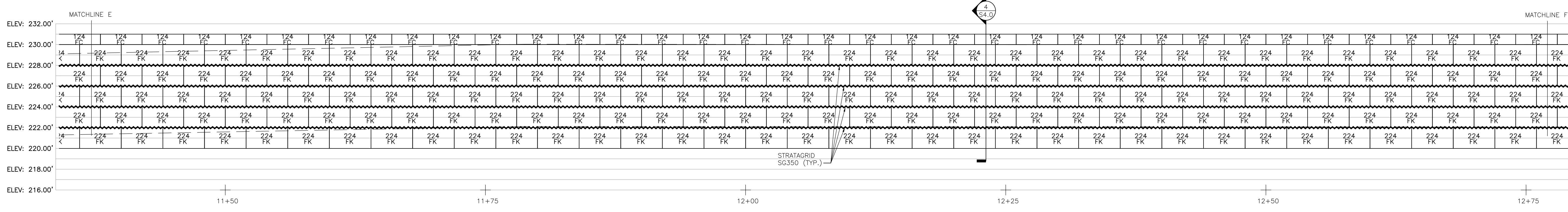
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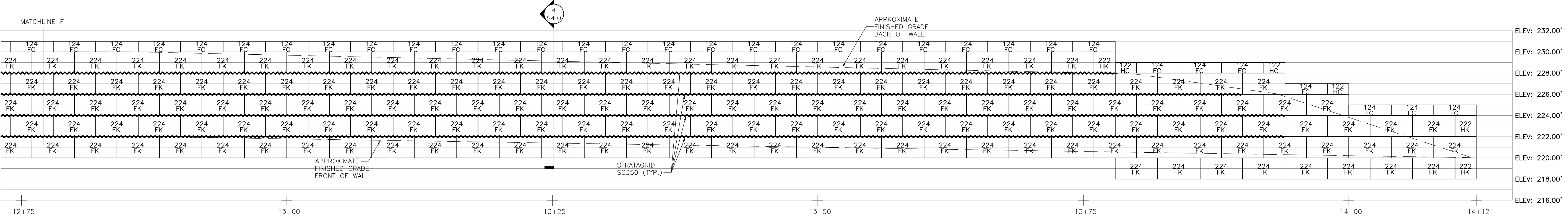
DWG NO.
S2.0



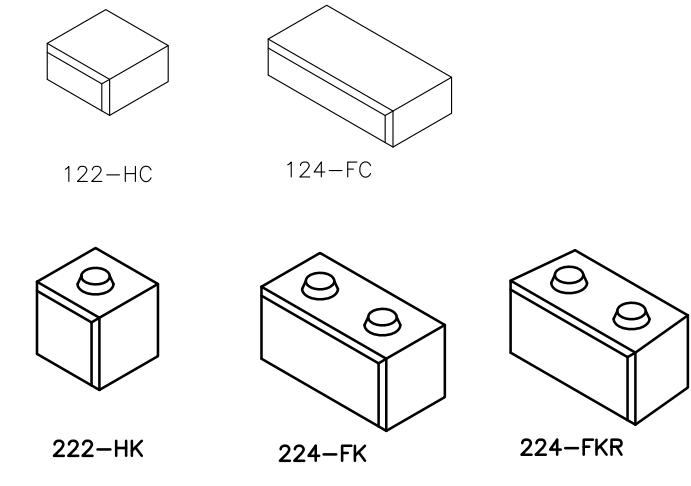
1A WALL ELEVATION
S3.0
3/16" = 1'



1B WALL ELEVATION
S3.0
3/16" = 1'



1C WALL ELEVATION
S3.0
3/16" = 1'



Block Count	
Name	Count
122-HC	6
124-FCR	97
124-FCR	3
222-HK	6
224-FK	466
224-FKR	15
Total	593
Area	4284 sf
SG350	960 sy

Change grid area	JMB
Revision	
Date	10/20/17
No.	1



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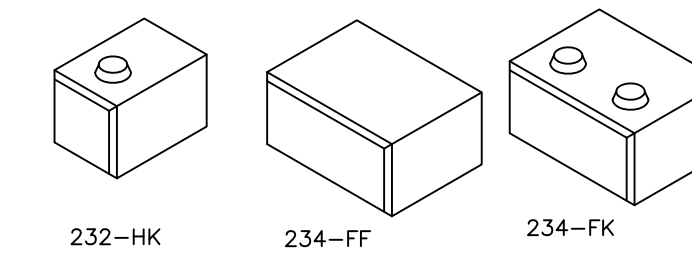
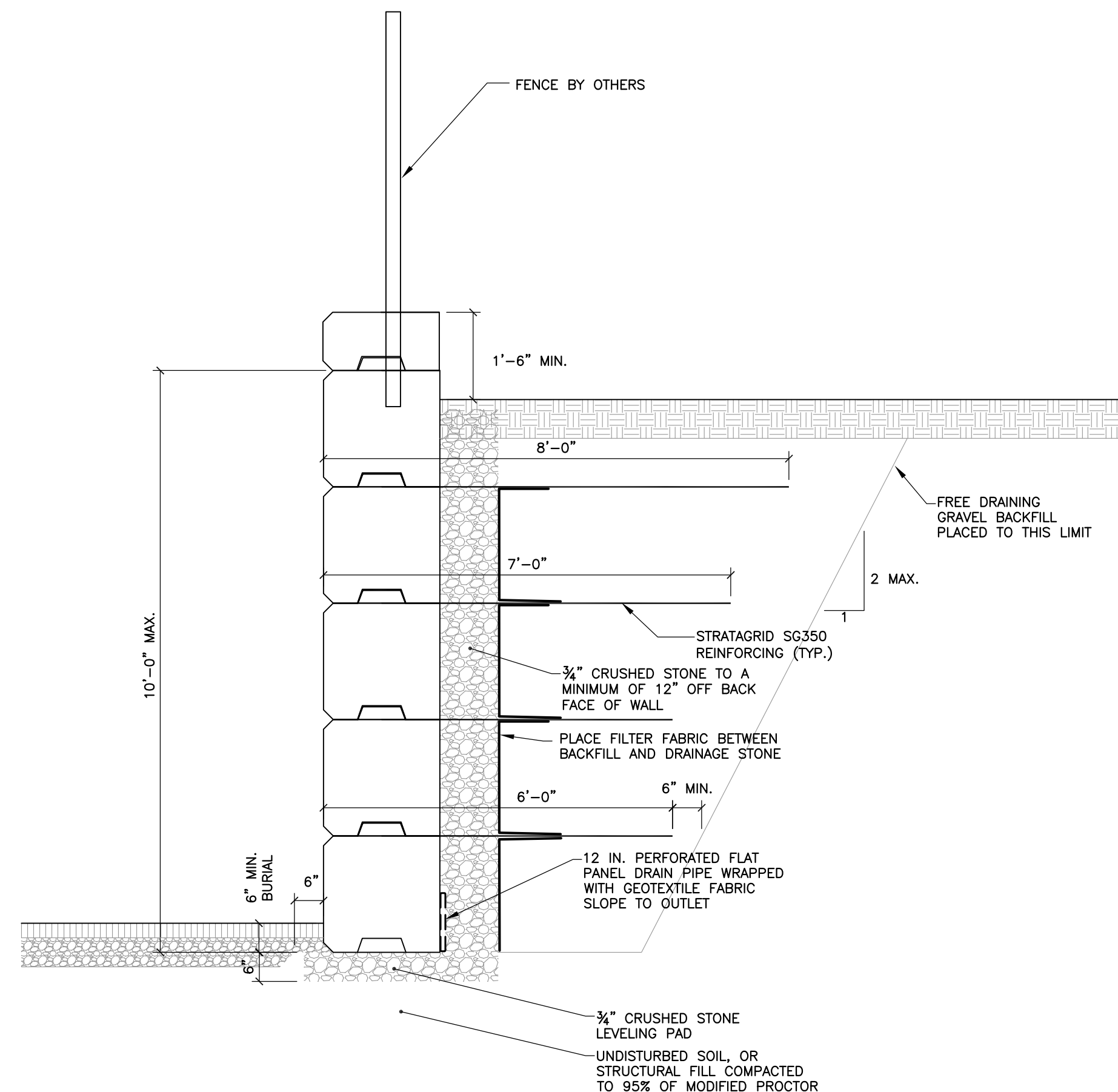
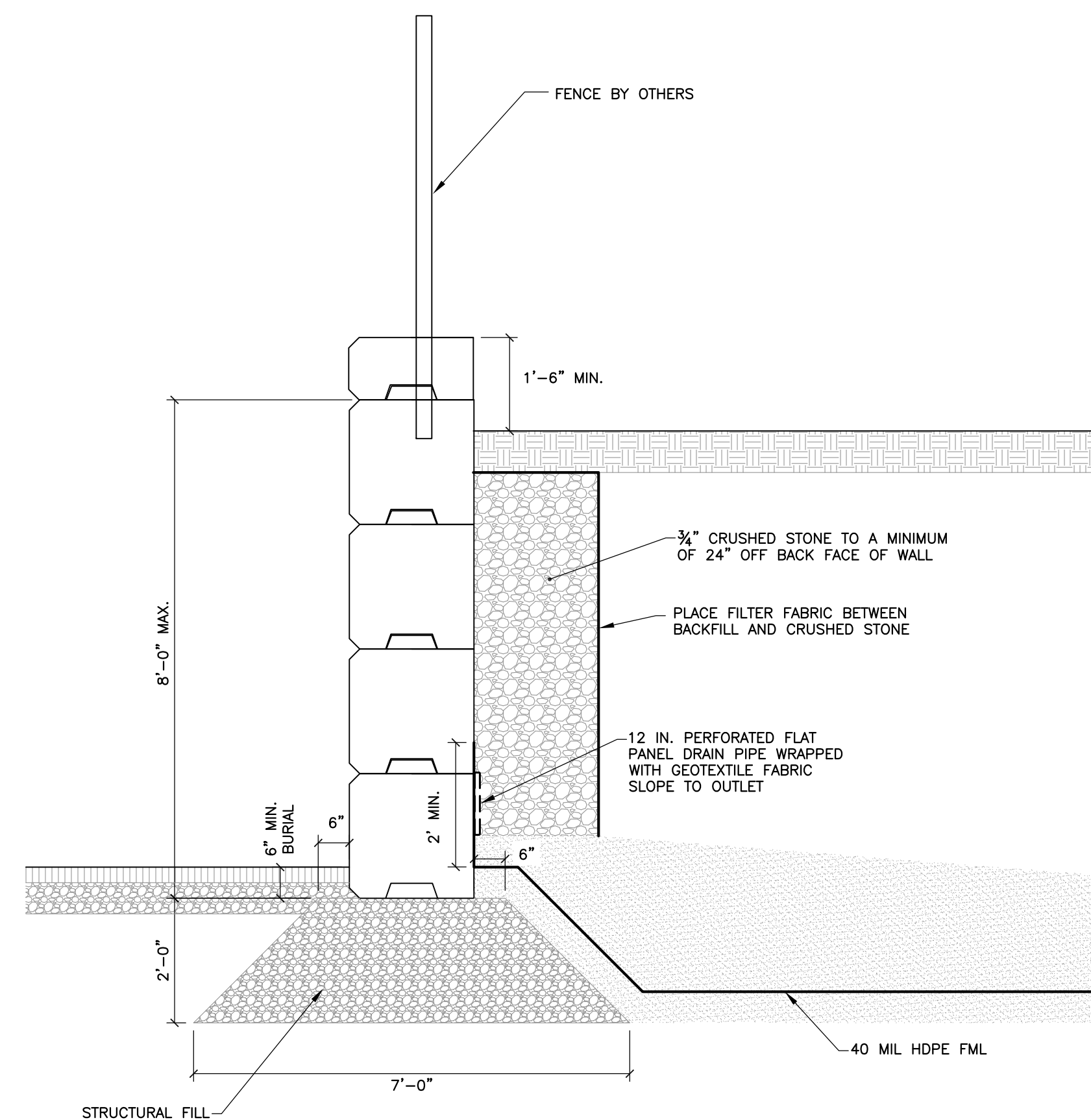
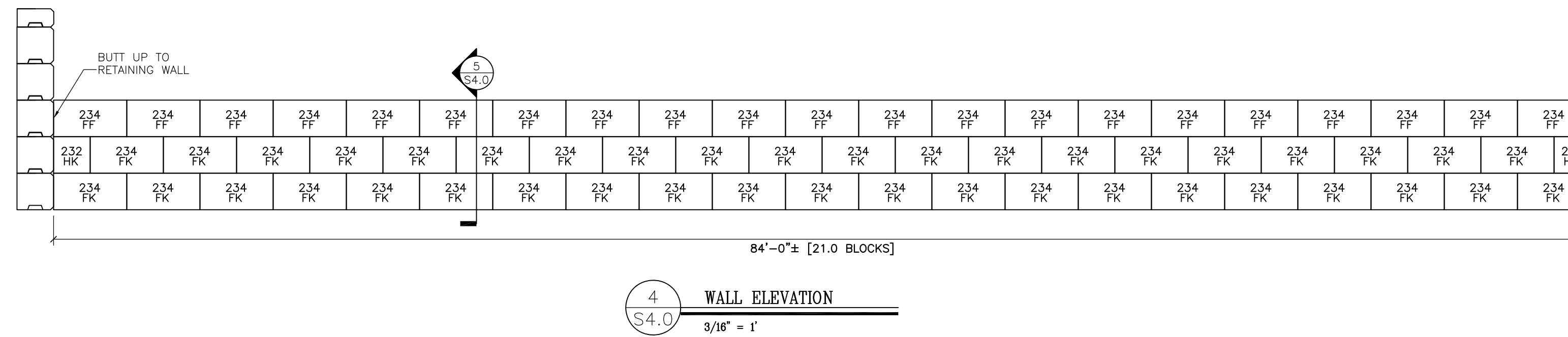
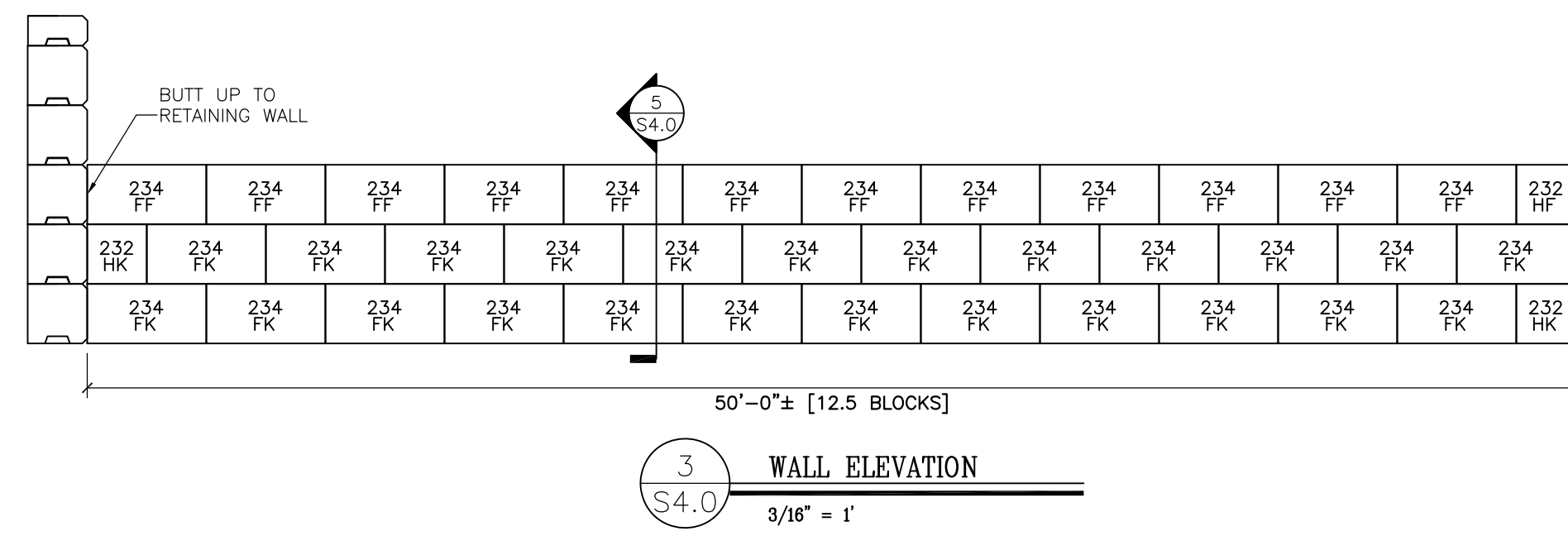
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Brookline, MA
Conigliaro Block Wall Shop Drawings**

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Date: 9/22/2017
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Drawn by: JMB
Checked by:

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DWG NO.
S3.0

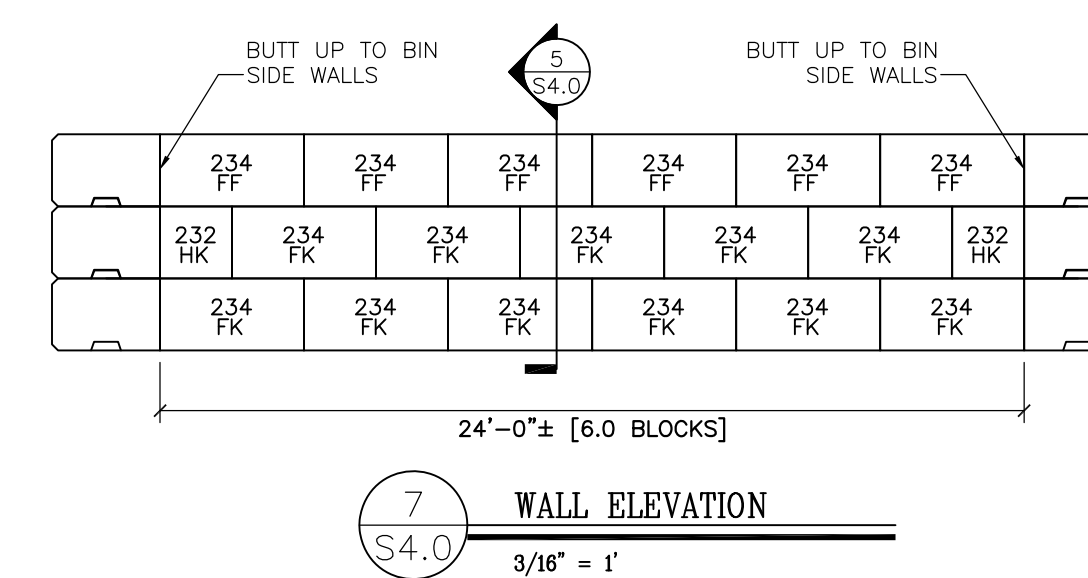
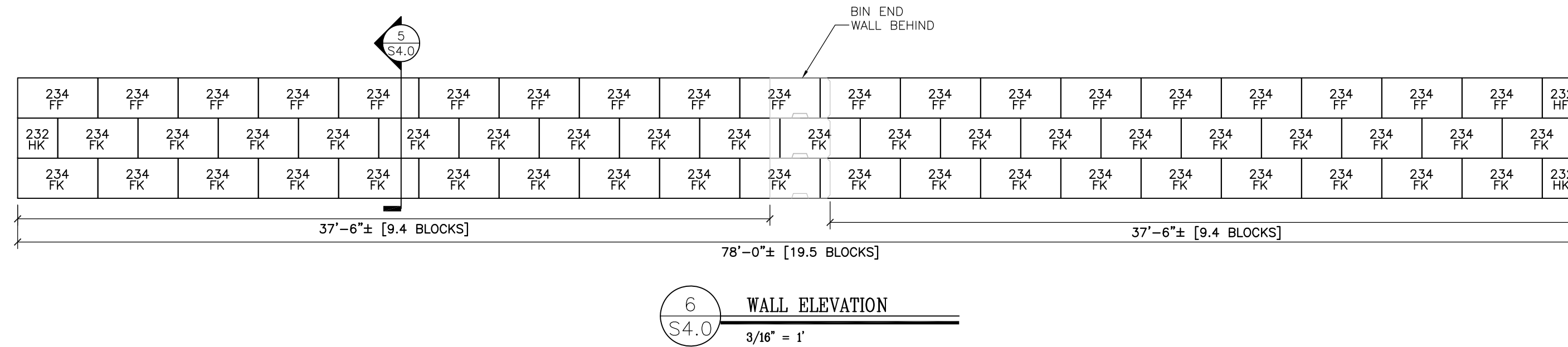
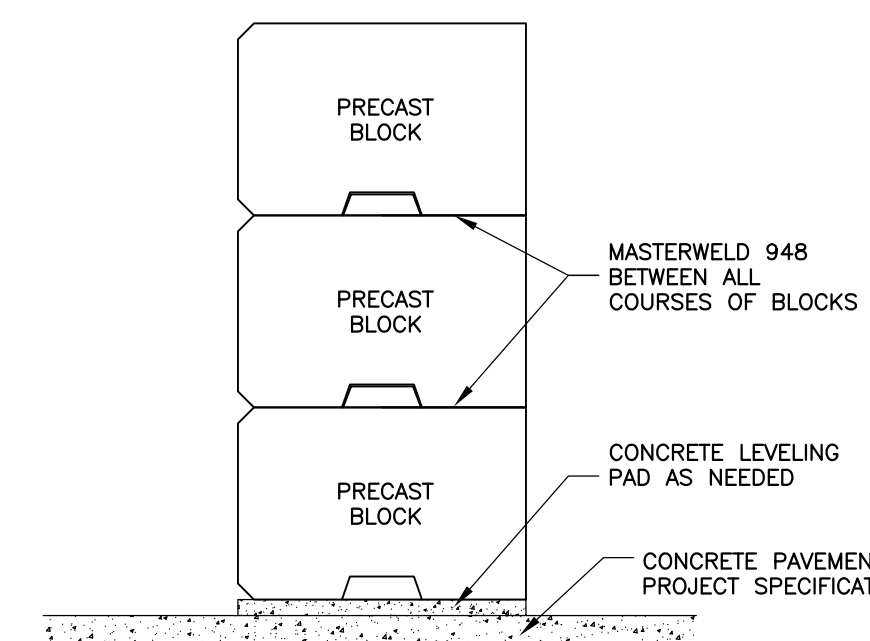


Block Count	
Name	Count
232-HF	6
232-HK	16
234-FF	113
234-FK	224
Total	359
Area	2784 sf

RETAINING WALL NOTES:

- CONCRETE USED FOR BLOCKS SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4,000 P.S.I. BLOCKS 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 THE RESPONSIBILITY OF THE CONTRACTOR. RETAINING WALL DRAINS TO OUTLET AS SHOWN ON SHEET C-4 OF THE REFERENCE PLANS.
- DRAINAGE MATERIAL SHALL BE 3/4" CRUSHED STONE PLACED DIRECTLY BEHIND WALL FOR THE DEPTHS SPECIFIED ON PLANS (1'-0" MIN). 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.
- STRUCTURAL FILL AND 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
- ALL BACKFILL SHALL BE COMPACTED TO 95% OF MODIFIED PROCTOR (ASTM D1557). 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 9 INCHES.
- 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.
- CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT EXCAVATIONS ARE STABLE AND MEET OSHA REQUIREMENTS.
- GEO-GRID SHALL BE INSTALLED UNDER TENSION. TENSION SHALL BE APPLIED AND MAINTAINED BY STAKES OR HAND TENSIONING UNTIL GEO-GRID HAS BEEN COVERED BY 6" MIN. OF STRUCTURAL FILL.
- GEO-GRID SHALL BE INSTALLED WITH THE MACHINE (STRONG) DIRECTION PERPENDICULAR TO THE WALL. GEO-GRID SUBSTITUTION IS NOT ALLOWED.
- GEO-GRID SHALL BEGIN AT THE FRONT BASE OF BLOCK DIRECTLY ABOVE RESPECTIVE LAYER. PLACE GEO-GRID TO MINIMIZE COPING AROUND BLOCK KNOBS.
- WALL DESIGN IS BASED ON SHEETS C-4 & C-8 OF PLAN TITLED "BACK LANDFILL CLOSURE AND REUSE", PREPARED BY CDM SMITH, LAST REVISED 6/28/2017.
- HOLES FOR FENCE POST TO BE CAST INTO TOP COURSE OF RETAINING WALL BLOCKS AND CAPS. HOLES TO BE 2-1/2" ID MINIMUM.



No.	Date	Revision
1	11/27/2017	Revise wall sections. Revise notes
2	10/26/2017	Change bin wall length. Add metal & wood bin walls. Add location label to S55.0. Change S15.0
3	10/26/2017	Change grid lengths. Add fence to section



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DWG NO.
S4.0