SLATON BROS, INC

TRACT B, PEACEFUL RIDGE AT FOUNTAIN VALLEY

EL PASO COUNTY, COLORADO

RETAINING WALL SHOP DRAWINGS

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Project Name:	TRACT B, PEACEFUL RIDGE AT FOUNTAIN VALLEY EL PASO COUNTY, COLORADO
Sheet Title:	TITLE SHEET
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BLAKE L NELSON
35139
PROFESSIONAL ENGINEER

BLAKE NELSON Date: 6/2/2025

GENERAL DESIGN INFORMATION

1. THE FOLLOWING EFFECTIVE SOIL STRENGTH PARAMETERS WERE USED IN THE PREPARATION OF THESE CONSTRUCTION DRAWINGS:

ZONE	MATERIAL	ϕ	C	ɣ
REINFORCED SOIL	CLASS 1 STRUCTURE BACKFILL	34°	0 psf	135 pcf
RETAINED SOIL	SANDY CLAY FILL	24°	0 psf	125 pcf
FOUNDATION	CLAYSTONE	22°	0 psf	125 pcf
LEVELING PAD / UNIT FILL	CRUSHED STONE	38°	0 psf	105 pcf

THE SOIL STRENGTH PARAMETERS USED FOR DESIGN AS SPECIFIED IN THE REFERENCE GEOTECHNICAL REPORT

THE SYSTEM HAS BEEN DESIGNED FOLLOWING NATIONAL CONCRETE MASONRY ASSOCIATION DESIGN MANUAL FOR SEGMENTAL RETAINING WALLS, 3RD EDITION AND 2024 IBC METHODOLOGY USING THE FOLLOWING MINIMUM RECOMMENDED FACTORS OF SAFETY:

MODE	STATIC
SLIDING	1.50
OVERTURNING (GRAVITY)	1.50
OVERTURNING (REINFORCED)	2.00
BEARING	2.00
GLOBAL	1.30
GEOGRID PULLOUT	1.50
GEOGRID TENSION	1.50
INTERNAL COMPOUND	1.30

2. THE PROJECT GEOTECHNICAL ENGINEER SHALL EVALUATE SETTLEMENT AND LOCAL BEARING CAPACITY BASED ON THE PROPOSED WALL DESIGN AND ACTUAL STRENGTH PARAMETERS OF THE ONSITE SOILS. THE FOUNDATION SOILS FOR THE WALL SHALL BE CAPABLE OF SAFELY SUPPORTING THE APPLIED BEARING PRESSURES NOTED ON THE WALL ELEVATION WITHOUT FAILURE OR EXCESSIVE SETTLEMENT. SEE WALL ELEVATION FOR MAXIMUM CALCULATED APPLIED BEARING PRESSURE.

3. THE RETAINING WALL HAS BEEN DESIGNED TO SUPPORT THE FOLLOWING SITE CONDITIONS AND MAXIMUM SURCHARGE LOADINGS:

CONDITION	**WALL 1**	**WALL 2**
BACK SLOPE	14° (4H:1V)	14° (4H:1V)
TOE SLOPE	14° (4H:1V)	14° (4H:1V)
LIVE LOAD	250 PSF	0 PSF
DEAD LOAD	0 PSF	0 PSF
SEISMIC (SD_1)	N/A	N/A
100YR HWL (FT)	5736.27	5736.27

4. THE WALL INSTALLATION CONTRACTOR SHALL BE RESPONSIBLE FOR DRAINAGE MEASURES NEAR THE WALL DURING WALL CONSTRUCTION. THE GENERAL CONTRACTOR SHALL PROVIDE SURFACE AND SUBSURFACE DRAINAGE, GRADING, AND EROSION CONTROL AS REQUIRED, DURING AND POST WALL INSTALLATION, IN ORDER TO PREVENT DAMAGE TO THE WALL STRUCTURE.

REFERENCE DOCUEMENTS

1. HR GREEN, POND GRADING PLAN, PROJECT NO. 2302308, DATED 9/27/2023
2. ENTECH ENGINEERING, INC., GEOTECHNICAL REPORT, PROJECT NO. 240480, DATED 5/22/2025
3. NATIONAL CONCRETE MASONRY ASSOCIATION DESIGN MANUAL FOR SEGMENTAL RETAINING WALLS, 3RD EDITION

QUALITY ASSURANCE PROVISIONS

1. THESE SHOP DRAWINGS DO NOT DEFINE THE SCOPE OF THE WALL CONTRACTOR. SEE CONTRACT DOCUMENTS FOR SPECIFIC DETAILS ON THE SCOPE OF WORK THAT SHALL BE COMPLETED BY ALL PARTIES.

2. ALL WALL ELEVATIONS, SURROUNDING GRADES, AND SLOPE CONDITIONS SHALL BE VERIFIED BY THE ENGINEER IN THE FIELD FOR CONFORMANCE WITH APPROVED DESIGN PLANS. ANY REVISIONS TO THE STRUCTURE GEOMETRY OR DESIGN CRITERIA SHALL REQUIRE DESIGN MODIFICATIONS PRIOR TO PROCEEDING WITH CONSTRUCTION.

3. WALL CONSTRUCTION SHALL BE SUPERVISED BY A QUALIFIED ENGINEER OR TECHNICIAN TO VERIFY SITE AND SOIL CONDITIONS. IF SUPERVISION IS NOT PERFORMED BY THE SITE GEOTECHNICAL ENGINEER, AN ADDITIONAL QUALIFIED ENGINEER/TECHNICIAN SHALL BE CONTRACTED.

4. THE FOUNDATION SOILS AT THE BASE OF THE WALLS (INCLUDING BENEATH THE REINFORCED ZONE IF APPLICABLE) SHALL BE INSPECTED BY THE GEOTECHNICAL ENGINEER. ANY UNSUITABLE OR IMPROPERLY COMPACTED SOIL SHALL BE REMOVED AND REPLACED AS DIRECTED PRIOR TO WALL CONSTRUCTION TO ENSURE ADEQUATE LOCAL BEARING CAPACITIES ARE MET AND TO MINIMIZE SETTLEMENT.

5. CUT EXCAVATION AND IN-SITU SOILS SHALL BE INSPECTED FOR GROUNDWATER CONDITIONS. ANY ADDITIONAL DRAINAGE PROVISIONS REQUIRED DUE TO FIELD CONDITIONS SHALL BE COMPLETED AS DIRECTED BY THE GEOTECHNICAL ENGINEER.

6. WALL BACKFILL MATERIAL SHALL BE TESTED AND APPROVED BY THE GEOTECHNICAL ENGINEER TO ENSURE COMPLIANCE WITH THE SPECIFICATIONS AND RECOMMENDATIONS OF THE GEOTECHNICAL REPORT.

7. ALL SOIL BACKFILL SHALL BE TESTED BY THE GEOTECHNICAL ENGINEER FOR MOISTURE, DENSITY, AND COMPACTION PERIODICALLY (EVERY 2' VERTICALLY, 100' C/C) MEETING THE MINIMUM REQUIREMENTS OF THE APPROVED PLANS AND SPECIFICATIONS.

8. THE CONTRACTOR SHALL ESTABLISH AND MAINTAIN QUALITY CONTROL FOR THE CONSTRUCTION OF THE WALL TO ASSURE COMPLIANCE WITH CONTRACT REQUIREMENTS AND MAINTAIN RECORDS OF ITS QUALITY CONTROL.

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Reviewer: .	Sheet Title: GENERAL NOTES	Scale: NONE	
Date: 6/2/2025		Sheet: 2	

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BLAKE L NELSON
35139
PROFESSIONAL ENGINEER

BLAKE NELSON Date: 6/2/2025

PART 1: GENERAL

1.01 DESCRIPTION

A. THE WORK TO BE PERFORMED INCLUDES SOURCING, PROVIDING AND INSTALLING CONCRETE RETAINING WALL BLOCKS TO THE LINES AND GRADES AS SPECIFIED ON THE PROJECT CONSTRUCTION DRAWINGS AND AS MAY BE FURTHER SPECIFIED HEREIN.

B. WORK INCLUDES PREPARING FOUNDATION SOIL, FURNISHING AND INSTALLING LEVELING PAD, DRAINAGE AGGREGATE, AND BACKFILL TO THE LINES AND GRADES SHOWN ON THE CONSTRUCTION DRAWINGS.

C. WORK INCLUDES FURNISHING AND INSTALLING ALL RELATED MATERIALS REQUIRED FOR CONSTRUCTION OF THE RETAINING WALL AS SHOWN ON THE CONSTRUCTION SHOP DRAWINGS.

1.02 REFERENCE STANDARDS

A. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

A.1. ASTM C140 SAMPLING AND TESTING CONCRETE MASONRY UNITS

A.2. ASTM C1372 SPECIFICATION FOR DRY-CAST SEGMENTAL RETAINING WALL UNITS

A.3. ASTM D422 PARTICLE-SIZE ANALYSIS OF SOILS

A.4. ASTM D698 LABORATORY COMPACTION CHARACTERISTICS OF SOIL - STANDARD EFFORT

A.5. ASTM D2487 STANDARD PRACTICE FOR CLASSIFICATION OF SOILS FOR ENGINEERING

A.6. ASTM D4318 LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX OF SOILS

A.7. ASTM D4595 TENSILE PROPERTIES OF GEOTEXTILES - WIDE WIDTH STRIP

A.8. ASTM D5262 UNCONFINED TENSION CREEP BEHAVIOR OF GEOSYNTHETICS

A.9. ASTM D5818 EVALUATE INSTALLATION DAMAGE OF GEOSYNTHETICS

A.10. ASTM D6637 TENSILE PROPERTIES OF GEOGRIDS – SINGLE OR MULTI-RIB

A.11. ASTM D6638 CONNECTION STRENGTH - REINFORCEMENT/SEGMENTAL UNITS

A.12. ASTM D6706 GEOSYNTHETIC PULLOUT RESISTANCE IN SOIL

A.13. ASTM D6916 SHEAR STRENGTH BETWEEN SEGMENTAL CONCRETE UNITS

B. GEOSYNTHETIC RESEARCH INSTITUTE (GRI)

B.1. GRI-GG4 DETERMINATION OF LONG TERM DESIGN STRENGTH OF GEOGRIDS

B.2. GRI-GG5 DETERMINATION OF GEOGRID (SOIL) PULLOUT

C. NATIONAL CONCRETE MASONRY ASSOCIATION (NCMA)

C.1. NCMA SRWU-1 TEST METHOD FOR DETERMINING CONNECTION STRENGTH OF SRW

C.2. NCMA SRWU-2 TEST METHOD FOR DETERMINING SHEAR STRENGTH OF SRW

1.03 QUALITY ASSURANCE

A. OWNER SHALL BE RESPONSIBLE FOR SOIL TESTING AND INSPECTION QUALITY CONTROL DURING EARTHWORK OPERATIONS.

PART 2: MATERIALS

2.01 DEFINITIONS

A. RETAINING WALL UNIT - A PRECAST CONCRETE, SEGMENTAL FACING BLOCK PROVIDED BY AN AUTHORIZED MANUFACTURER.

B. DRAINAGE AGGREGATE - CLEAN 1" CRUSHED ANGULAR ROCK LOCATED WITHIN AND IMMEDIATELY BEHIND THE RETAINING WALL UNITS TO FACILITATE DRAINAGE.

C. FOUNDATION SOIL - SOIL ZONE IMMEDIATELY BENEATH THE RETAINING WALL FACING UNITS, THE WALL LEVELING PAD, AND THE REINFORCED SOIL ZONE IF APPLICABLE.

D. LEVELING PAD - A PAD WHICH SERVES AS A FLAT SURFACE FOR PLACING THE INITIAL COURSE OF PRECAST UNITS.

E. RETAINED BACKFILL - SOIL IMMEDIATELY BEHIND THE RETAINING WALL DRAINAGE AGGREGATE OR REINFORCED ZONE IF APPLICABLE.

F. SUBSURFACE DRAINAGE SYSTEM - A SYSTEM FOR REMOVING WATER FROM BEHIND THE WALL AND CHANNELING IT TO A POINT OF POSITIVE DRAINAGE.

2.02 RETAINING WALL UNITS

A. RETAINING WALL UNITS SHALL BE ALLAN BLOCK CLASSIC UNITS HAVING A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 3,000 PSI WITH A AVERAGE ABSORPTION OF 7.5%.

B. BLOCKS SHALL BE CONSISTENT AND FREE OF STAINS, DEFECTS, CRACKS, OR CHIPS. UNITS THAT CONTAIN VISIBLE DEFECTS SUCH AS, BUT NOT LIMITED TO, VERTICAL OR HORIZONTAL SEAMS, CONSPICUOUS STAINS, FORM MARKS, OR COLOR STREAKS SHALL BE REPAIRED TO THE SATISFACTION OF THE PROJECT ENGINEER OR REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.

C. TEXTURE AND COLOR ON THE FACE OF THE BLOCK SHALL BE AS AVAILABLE FROM THE LOCAL MANUFACTURER.

2.03 LEVELING PAD MATERIAL

A. MATERIAL SHALL CONSIST OF UNREINFORCED CONCRETE OR COMPACTED CRUSHED STONE AS SHOWN ON THE CONSTRUCTION DRAWING.

2.04 DRAINAGE AGGREGATE (CRUSHED STONE MIN. PHI 38°)

A. DRAINAGE AGGREGATE SHALL HAVE AT LEAST TWO FRACTURED FACES AND SHALL NOT BE RIVER ROCK OR PEA GRAVEL.

B. UNIT FILL AND DRAINAGE AGGREGATE SHALL CONSIST OF CLEAN 1" CRUSHED STONE MEETING THE FOLLOWING GRADATION:

SIEVE SIZE	% PASSING
1"	100
3/4"	75 - 100
No. 4	0 - 10
No. 50	0 - 5

2.05 BACKFILL

A. REINFORCED SOIL SHALL BE CDOT CLASS 1 STRUCTURE BACKFILL MATERIAL, BE FREE OF DEBRIS OR ORGANIC MATERIAL, MEETING THE FOLLOWING GRADATION:

SIEVE SIZE	% PASSING
2"	100
No. 4	30 - 100
No. 50	10 - 60
No. 200	5 - 20

PLASTICITY INDEX (PI) = 6 MAXIMUM

ORGANIC CONTENT SHALL NOT EXCEED 1%

B. OVER-EXCAVATED AREAS SHALL BE FILLED WITH COMPACTED REINFORCED SOIL.

C. REINFORCED FILL SAMPLES AND TEST RESULTS SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.

2.06 SUBSURFACE DRAINAGE SYSTEM

A. SUBSURFACE DRAINAGE SYSTEM SHALL CONSIST OF PERFORATED POLYETHYLENE (PE) PIPE. IF THE PIPE IS NOT PLACED WITHIN CLEAN CRUSHED STONE IT SHALL BE WRAPPED IN A GEOTEXTILE FABRIC OR NON-PERFORATED WHERE REQUIRED.

B. NON-PERFORATED PIPE SHALL BE USED TO CONNECT DRAINS FROM THE WALL TO DRAINAGE STRUCTURES OR HEADWALLS.

C. FITTINGS SHALL BE PER MANUFACTURER'S RECOMMENDATIONS.

PART 3: EXECUTION

3.01 EXCAVATION

A. CONTRACTOR SHALL EXCAVATE TO THE LINES AND GRADES SHOWN ON THE CONSTRUCTION DRAWINGS. CONTRACTOR SHALL BE CAREFUL NOT TO DISTURB EMBANKMENT AND FOUNDATION MATERIALS BEYOND LINES SHOWN.

3.02 FOUNDATION SOIL PREPARATION

A. FOUNDATION SOIL SHALL BE EXCAVATED AS REQUIRED FOR LEVELING PAD DIMENSIONS SHOWN ON THE CONSTRUCTION DRAWINGS, OR AS DIRECTED BY THE GEOTECHNICAL ENGINEER.

B. UNSUITABLE SOILS SHALL BE REMOVED AND REPLACED WITH ACCEPTABLE MATERIAL.

C. OVER-EXCAVATED AREAS SHALL BE BACKFILLED WITH APPROVED COMPACTED BACKFILL MATERIAL.

3.03 BASE LEVELING PAD

A. LEVELING PAD MATERIALS SHALL BE PLACED UPON APPROVED FOUNDATION AS SHOWN ON THE CONSTRUCTION DRAWINGS TO A MINIMUM THICKNESS OF 6".

B. AGGREGATE MATERIAL SHALL BE COMPACTED TO PROVIDE A DENSE, LEVEL SURFACE ON WHICH TO PLACE THE FIRST COURSE OF MODULAR UNITS. COMPACTION SHALL BE TO 95% OF STANDARD PROCTOR DENSITY AS DETERMINED IN ACCORDANCE WITH ASTM D698.

C. CRUSHED STONE SHALL BE PLACED IN MAXIMUM 6" LIFTS AND SHALL BE WELL COMPACTED WITH A VIBRATORY PLATE COMPACTOR OR OTHER SUITABLE EQUIPMENT.

3.04 UNIT INSTALLATION

A. THE FIRST COURSE OF CONCRETE MODULAR WALL UNITS SHALL BE CAREFULLY PLACED ON THE BASE LEVELING PAD. EACH UNIT SHALL BE CHECKED FOR LEVEL AND ALIGNMENT.

B. UNITS ARE PLACED SIDE BY SIDE FOR FULL LENGTH OF WALL ALIGNMENT. ALIGNMENT MAY BE DONE BY MEANS OF A STRING LINE OR OFFSET FROM A BASE LINE.

C. SWEEP EXCESS MATERIAL FROM TOP OF UNITS AND INSTALL NEXT COURSE. ENSURE THAT EACH COURSE IS COMPLETELY UNIT FILLED, BACKFILLED AND COMPACTED PRIOR TO PROCEEDING TO NEXT COURSE.

3.05 DRAINAGE SYSTEM PLACEMENT

A. A DRAINAGE SYSTEM SHALL BE PROVIDED AT THE BASE OF THE WALL SYSTEM BEHIND THE WALL UNITS.

B. THE DRAINAGE SYSTEM SHALL CONSIST OF 4" PERFORATED POLYETHYLENE (PE) PIPE WRAPPED WITH GEOTEXTILE FABRIC.

C. THE PIPE SHALL BE INSTALLED WITH POSITIVE DRAINAGE, 1% MINIMUM.

3.06 FILL PLACEMENT

A. FILL PLACEMENT SHALL ADHERE TO THIS SPECIFICATION OR THE GEOTECHNICAL REPORT, WHICHEVER IS MORE STRINGENT.

B. BACKFILL MATERIAL SHALL BE PLACED WITH A MAXIMUM OF 8" LIFTS AND COMPACTED TO 95% OF STANDARD PROCTOR DENSITY AS DETERMINED IN ACCORDANCE WITH ASTM D698. THE IN PLACE MOISTURE CONTENT SHALL NOT EXCEED ±2% OF THE OPTIMUM MOISTURE CONTENT.

C. COMPACTION SHALL BE ACHIEVED BY MEANS OF A MINIMUM 3 PASSES WITH A LIGHTWEIGHT MECHANICAL TAMPER, ROLLER, OR VIBRATORY SYSTEM. MAXIMUM LIFT SIZE SHALL NOT EXCEED 8 INCHES LOOSE.

3.07 CAPSTONE INSTALLATION

A. CLEAN AND APPLY ADHESIVE TO TOP COURSE OF WALL UNITS PRIOR TO PLACING CAPSTONES.

B. CAPSTONES SHALL BE SET IN A BED OF ADHESIVE DESIGNED TO WITHSTAND MOISTURE AND TEMPERATURE EXTREMES, REMAIN FLEXIBLE, AND SHALL BE SPECIFICALLY FORMULATED FOR BONDING MASONRY TO MASONRY.

C. TRIM SIDES OF INTERIOR CAPSTONES TO ENSURE PROPER FIT OF WALL CAPSTONE. DO NOT LEAVE CUT SURFACES EXPOSED TO VIEW IN THE FINISHED WALL.

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Project Name: TRACT B, PEACEFUL RIDGE AT FOUNTAIN VALLEY
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Sheet Title: SPECIFICATIONS

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Sheet: 3

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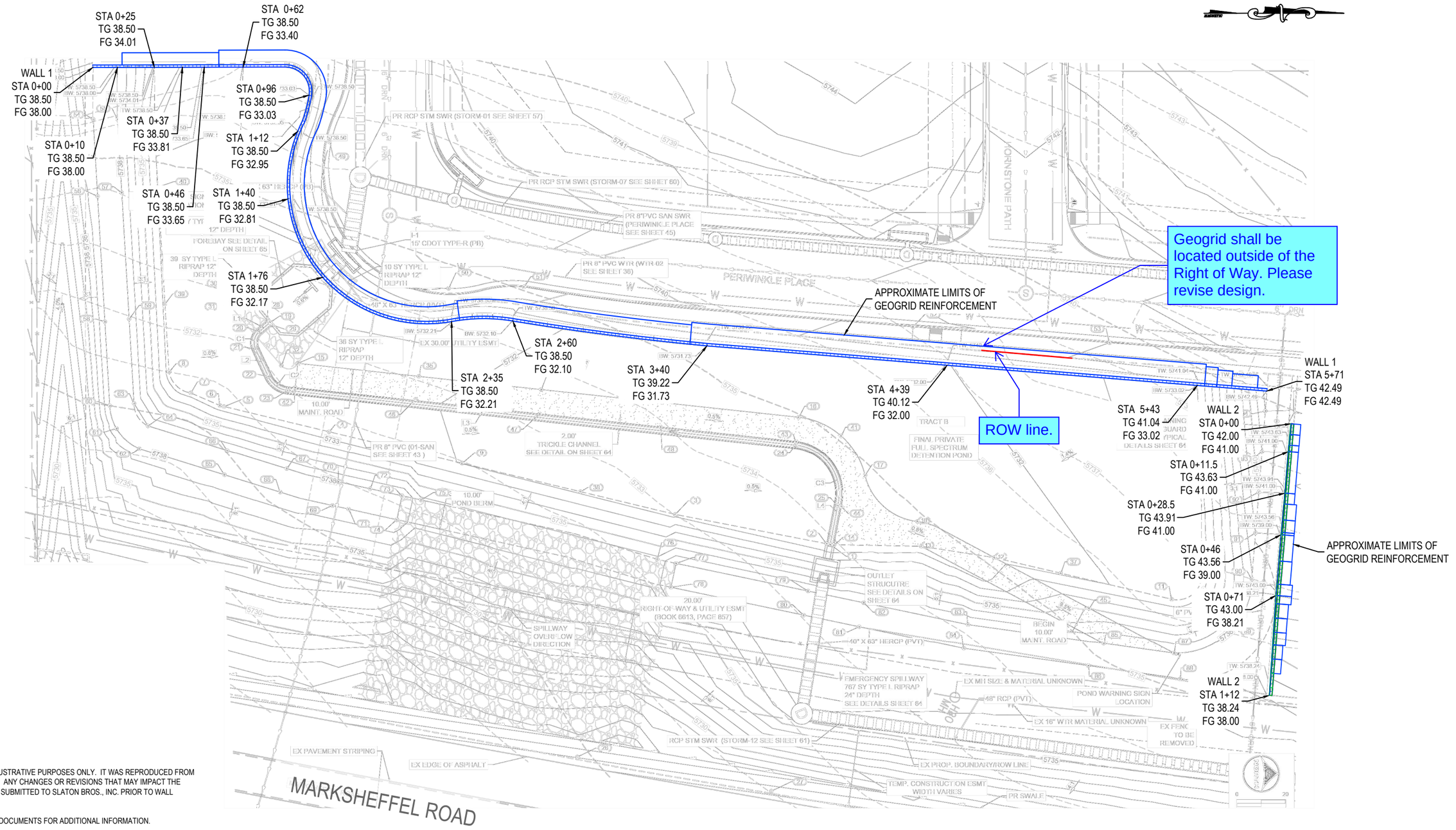
35139
PROFESSIONAL ENGINEER

BLAKE NELSON

Date: 6/2/2025



NOTES:

1. THE PLAN VIEW IS FOR ILLUSTRATIVE PURPOSES ONLY. IT WAS REPRODUCED FROM THE POND GRADING PLAN. ANY CHANGES OR REVISIONS THAT MAY IMPACT THE RETAINING WALL MUST BE SUBMITTED TO SLATON BROS., INC. PRIOR TO WALL CONSTRUCTION.
2. SEE SITE CONSTRUCTION DOCUMENTS FOR ADDITIONAL INFORMATION.
3. ALL EXISTING AND PROPOSED UTILITIES IN THE VICINITY OF THE RETAINING WALL SHALL BE LOCATED PRIOR TO WALL DEMOLITION AND CONSTRUCTION.
4. ALL ELEVATIONS AND DISTANCES ARE SHOWN IN FEET ALONG FRONT FACE OF WALL.

WALL PLAN

SCALE: 1" = 40'

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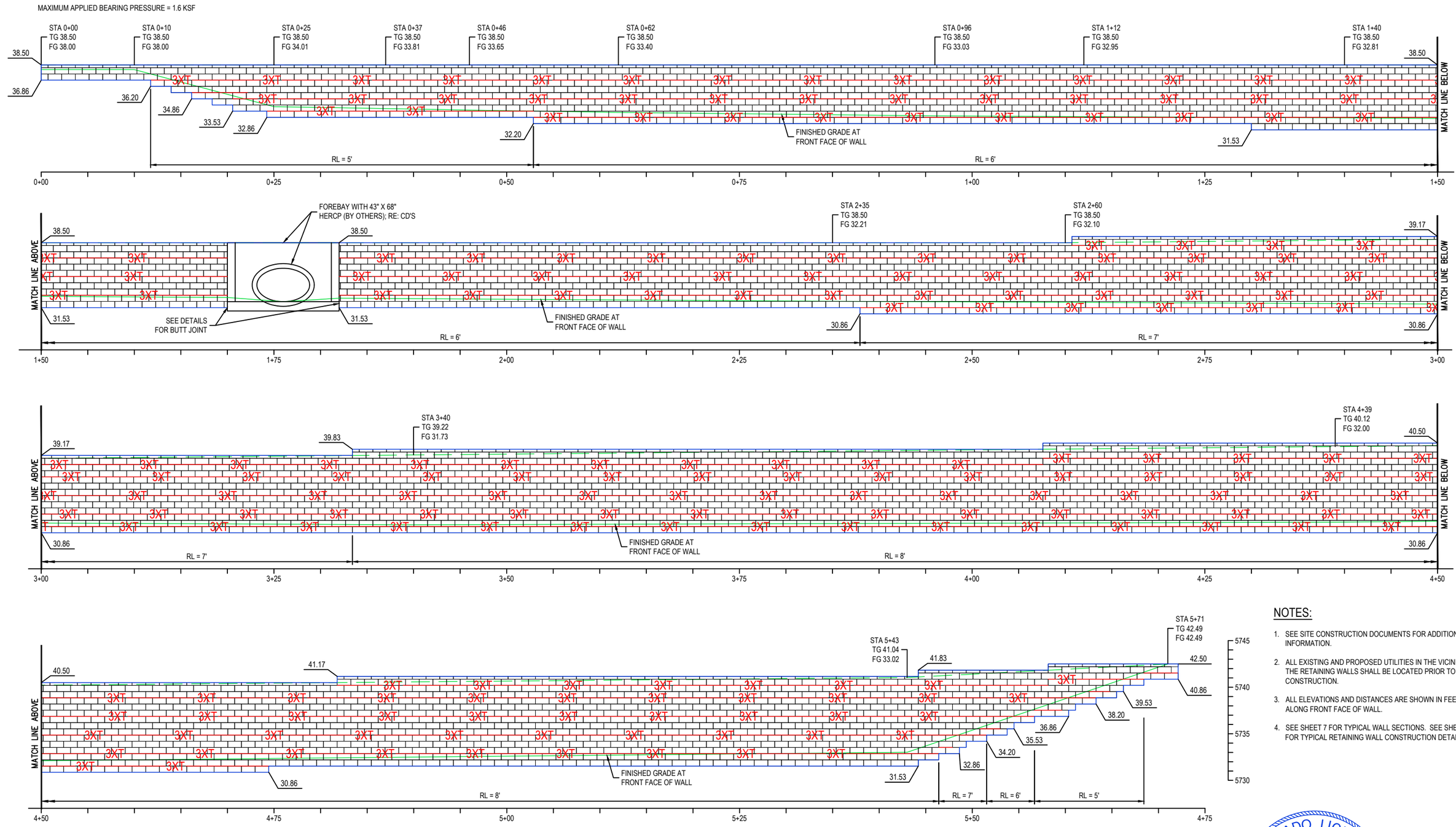
BLAKE NELSON Date: 6/2/2025



ELEVATION - FRONT FACE OF RETAINING WALL 1

SCALE: 1" = 10'

NOTES:

1. SEE SITE CONSTRUCTION DOCUMENTS FOR ADDITIONAL INFORMATION.
2. ALL EXISTING AND PROPOSED UTILITIES IN THE VICINITY OF THE RETAINING WALLS SHALL BE LOCATED PRIOR TO WALL CONSTRUCTION.
3. ALL ELEVATIONS AND DISTANCES ARE SHOWN IN FEET ALONG FRONT FACE OF WALL.
4. SEE SHEET 7 FOR TYPICAL WALL SECTIONS. SEE SHEET 8 FOR TYPICAL RETAINING WALL CONSTRUCTION DETAILS.

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NOTES:

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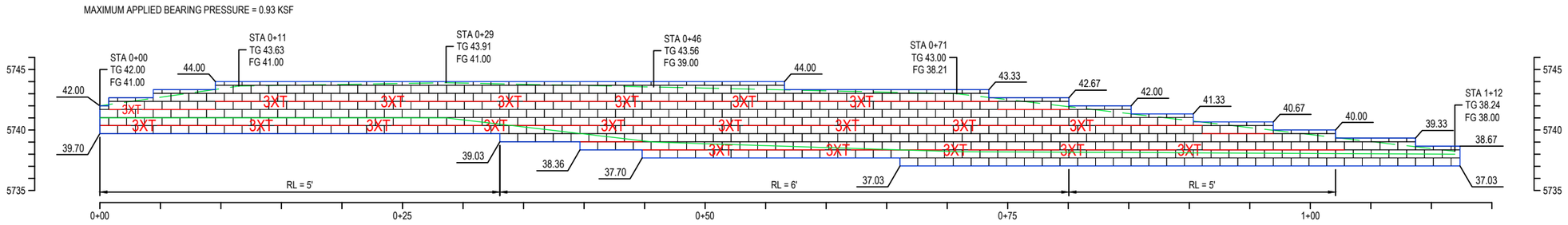

ELEVATION - FRONT FACE OF RETAINING WALL 2

SCALE: 1" = 10'

LEGEND:

FINISHED GRADE ELEV. AT TOP OF WALL	TG XX.XX
FINISHED GRADE LINE AT TOP OF WALL	
FINISHED GRADE AT FRONT FACE OF WALL	FG XX.XX
FINISHED GRADE LINE AT FRONT FACE OF WALL	
MIRAGRID 3XT GEOGRID SOIL REINFORCEMENT	3XT

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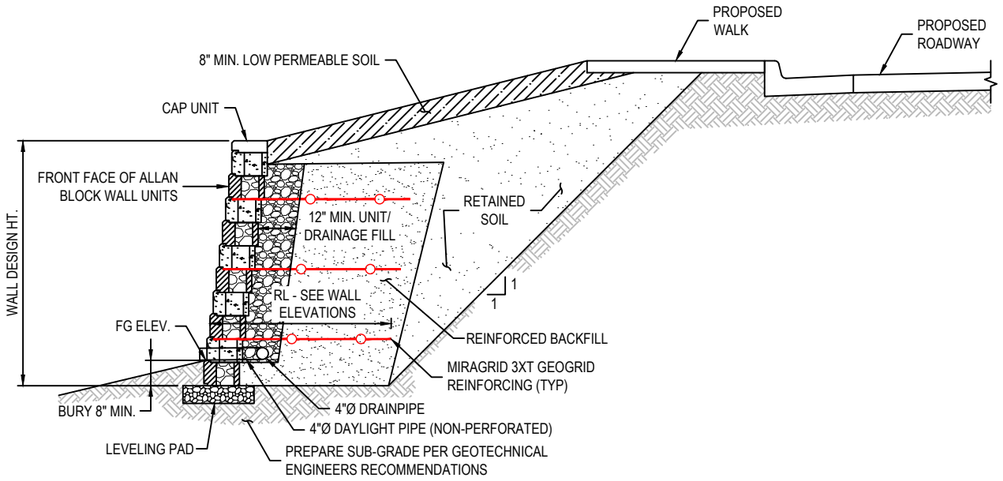
PROFESSIONAL ENGINEER

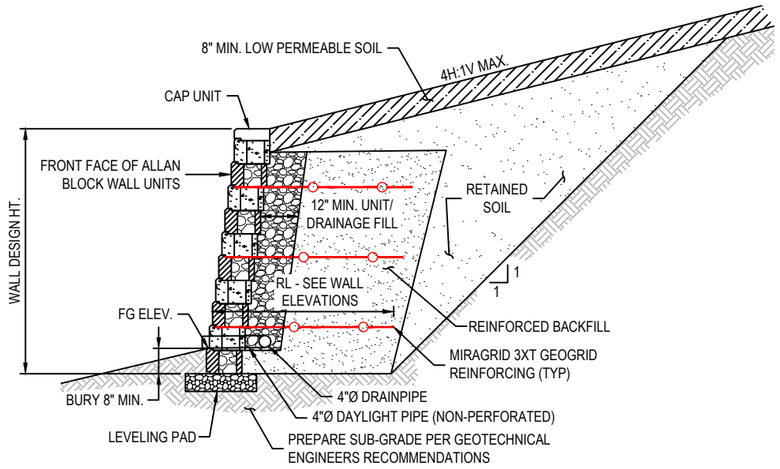
BLAKE NELSON Date: 6/2/2025

NOTES:

1. SEE CONSTRUCTION DOCUMENTS FOR ADDITIONAL INFORMATION AND DETAILS.
2. SLOPE AND SURCHARGE CONDITIONS MAY VARY, DESIGN CONDITIONS SHALL NOT EXCEED THOSE NOTED ON SHEET 2.
3. SEE WALL ELEVATION FOR PLACEMENT OF GEOGRID REINFORCEMENT.
4. PROVIDE DAYLIGHT FOR DRAINPIPE BEYOND LOW END OF WALL.
5. THE GENERAL CONTRACTOR MUST COORDINATE INSTALLATION OF STORM PIPE AND FOREBAY WITH SLATON BROS.



WALL 1
TYPICAL WALL SECTION



WALL 2
TYPICAL WALL SECTION

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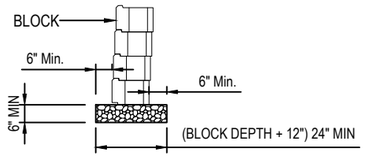
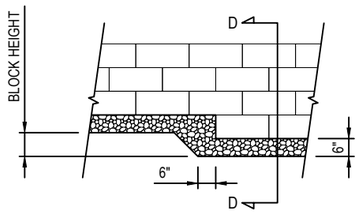
NOTES:
1. LEVELING PAD SHALL BE PLACED ON FOUNDATION SOILS CAPABLE OF SUPPORTING THE APPLIED BEARING PRESSURES SHOWN ON THE WALL PROFILES. FOUNDATION SOILS SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF THE LEVELING PAD.
2. LEVELING PAD SHALL BE CONSTRUCTED TO THE DIMENSIONS SHOWN USING CRUSHED STONE OR 2,000 PSI UNREINFORCED CONCRETE.

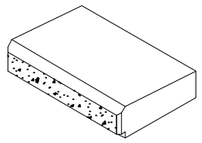


SECTION D - D

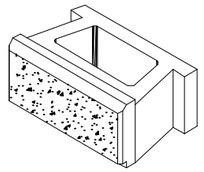


PROFILE VIEW

1 LEVELING PAD DETAIL - N.T.S



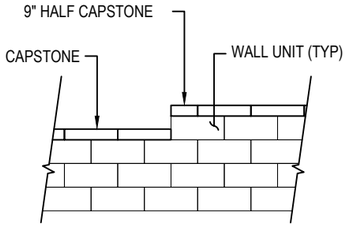
AB CAPSTONE
HEIGHT: 3-5/8" ±
DEPTH: 11-5/8" ±
WIDTH: 17-5/8" ±
WEIGHT: 55 LBS ±



AB CLASSIC UNIT
HEIGHT: 7-7/8" ±
DEPTH: 11-5/8" ±
WIDTH: 17-5/8" ±
WEIGHT: 75 LBS ±

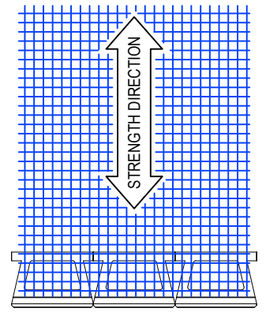
2 ALLAN BLOCK CLASSIC UNITS - N.T.S

NOTES:
1. SECURE ALL CAPSTONES WITH MASONRY ADHESIVE.
2. REFER TO SHEET 3 SECTION 3.07 *CAPSTONE INSTALLATION* FOR ADDITIONAL INFORMATION.



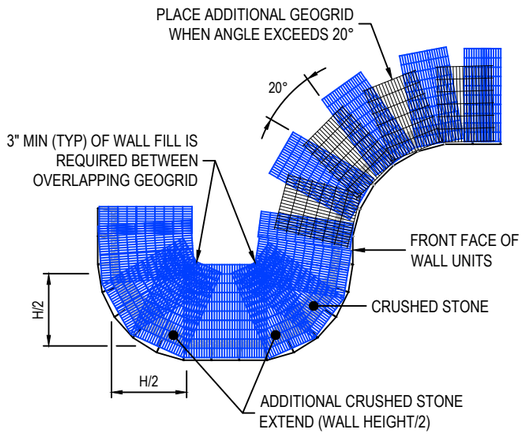
3 TOP OF WALL STEPS - N.T.S

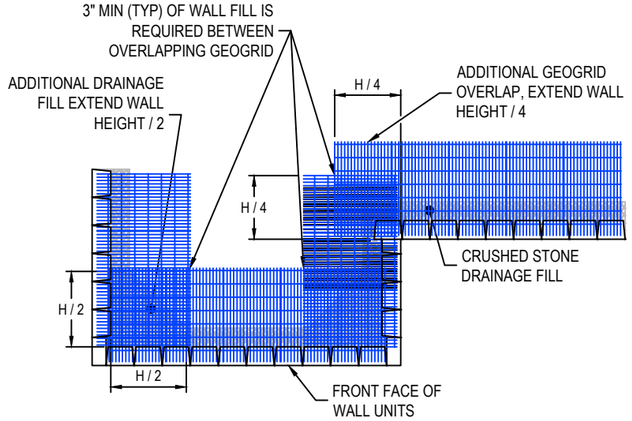
NOTES:
1. COMPACTED BACKFILL SHALL BE LEVEL WITH THE TOP OF THE WALL PRIOR TO GEOGRID PLACEMENT.
2. TYPICALLY GEOGRID IS PLACED WITHIN 1" OF THE FRONT FACE OF WALL UNIT. (GEOGRID CONNECTION DEVICES SHALL BE INSTALLED AS DIRECTED BY THE BLOCK MANUFACTURER.)
3. GEOGRID SHALL LAY FLAT ON THE WALL UNIT AND COMPACTED BACKFILL SOILS BEHIND WALL UNIT.
4. PLACE THE NEXT COURSE OF WALL UNITS. PULL GEOGRID TAUT TO REMOVE SLACK AND WRINKLES.
5. STAKE AS REQUIRED TO KEEP GEOGRID TAUT DURING BACKFILL PLACEMENT.



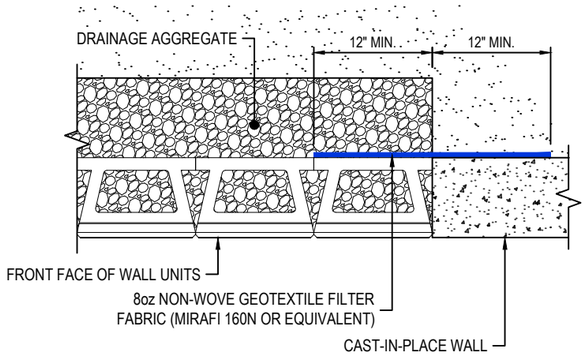
4 GEOGRID ORIENTATION DETAIL - N.T.S

NOTES:
1. INSTALL GEOGRID IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION AND CONSTRUCTION DRAWINGS.
2. "H" IS EQUAL TO TOTAL WALL HEIGHT.





6 GEOGRID INSTALLATION ON CURVES AND CORNERS DETAIL - N.T.S



7 TYPICAL BUTT JOINT DETAIL - N.T.S

NOTES:
1. SEE CONSTRUCTION DOCUMENTS FOR ADDITIONAL INFORMATION AND DETAILS.
2. SLOPE AND SURCHARGE CONDITIONS MAY VARY, DESIGN CONDITIONS SHALL NOT EXCEED THOSE NOTED ON SHEET 2.
3. SEE WALL ELEVATION FOR PLACEMENT OF GEOGRID REINFORCEMENT.
4. PROVIDE DAYLIGHT FOR DRAINPIPE BEYOND LOW END OF WALL.
5. THE GENERAL CONTRACTOR MUST COORDINATE INSTALLATION OF STORM PIPE AND FOREBAY WITH SLATON BROS.

No:	Date:	Revision:	By:
1		Released for Permit	
2		06/18/2025 - 21:23 PM	
3		Pikes Peak REGIONAL Building Department	
4		bphillips	
5		CONSTRUCTION	
6			
7			

SLATON BROS, INC
3033 South Parker Road, Suite 1150
Aurora, Colorado 80014
(303) 806-8160
www.slatonbros.com

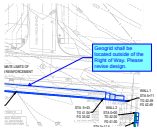
Designer:	BN
Reviewer:	.
Date:	6/2/2025
Project Name:	TRACT B, PEACEFUL RIDGE AT FOUNTAIN VALLEY EL PASO COUNTY, COLORADO
Sheet Title:	RETAINING WALL CONSTRUCTION DETAILS
Project:	-
Scale:	NONE
Sheet:	8

COLORADO LICENSED
BLAKE L NELSON
35139
PROFESSIONAL ENGINEER

BLAKE NELSON Date: 6/2/2025

Architectural-Structural Plans.pdf Markup Summary

[4] 4 RETAINING WALL SITE PLAN (3)



Subject: Callout
Page Label: [4] 4 RETAINING WALL SITE PLAN
Author: dotsandstrom
Date: 7/23/2025 11:56:05 AM
Status:
Color:
Layer:
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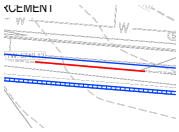
Geogrid shall be located outside of the Right of Way. Please revise design.



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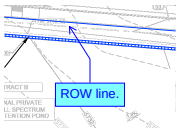

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ROW line.