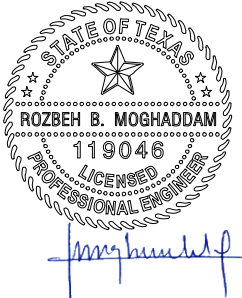
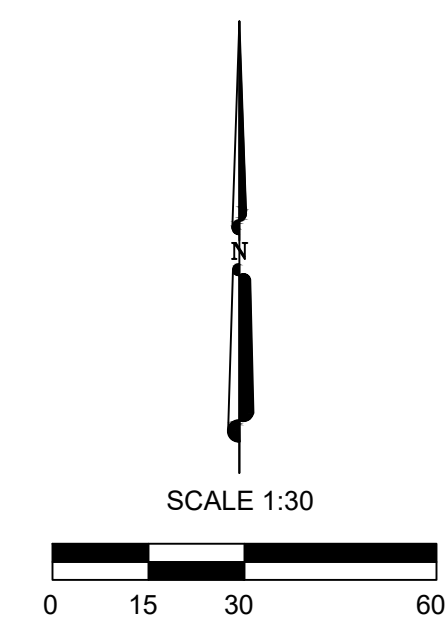


LEGEND
RETAINING WALL

Canyon Ranch Unit 3			
RBM		Sheet Title Retaining Wall 1 Site Plan	
		Project No. 2112044	Sheet 1
9014 GREEN RD CONVERSE TX, 78109 www.rbmcgroup.com	Phone: 726-777-4558 Fax: 726-777-4559 info@rbmcgroup.com	Date 2/17/2023 Issued For BID	

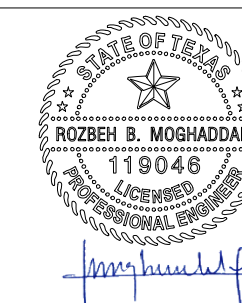


LEGEND

— RETAINING WALL



RBM



Sheet Title

Retaining Wall 2
Site Plan

Project No.	2112044
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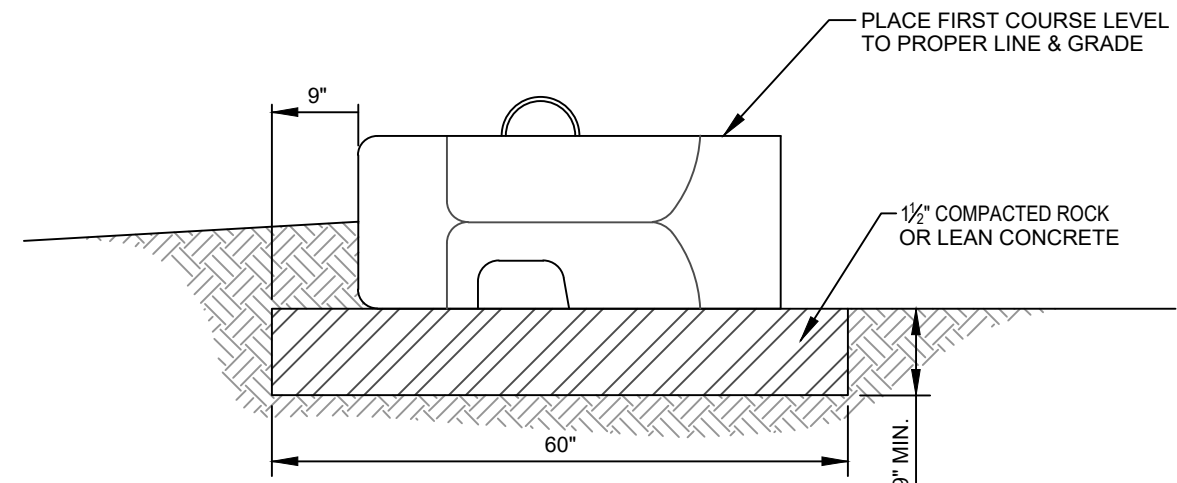
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2/1/2044	Date
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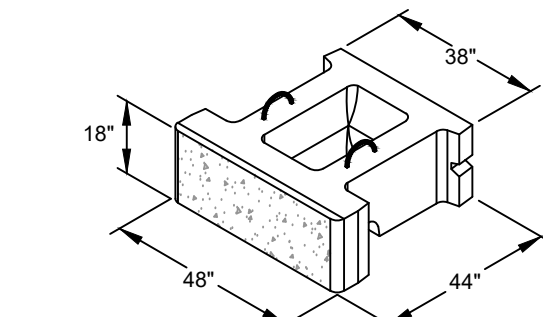
Phone: 726-777-4558
Fax: 726-777-4559
info@rbmcgroup.com

2

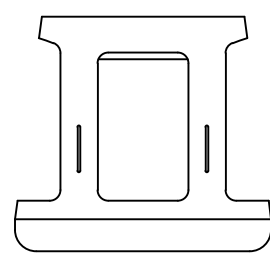


NOTE: BEARING CONDITIONS SHALL BE OBSERVED BY THE SITE GEOTECHNICAL ENGINEER. BASE DIMENSIONS MAY BE INCREASED TO ADDRESS DEFICIENT SOIL BEARING CONDITIONS.

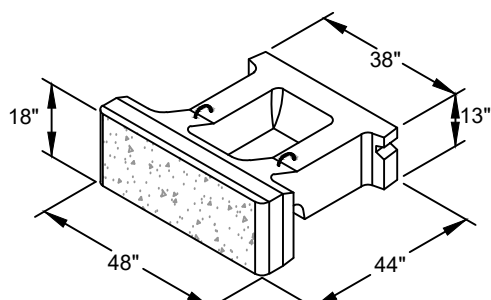
6SF WALL BASE
NOT TO SCALE



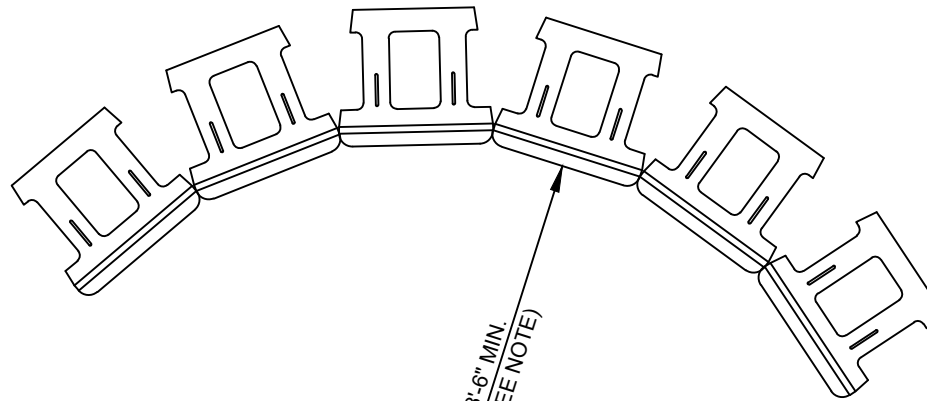
STONE STRONG 6SF UNIT
NOT TO SCALE



6SF UNIT



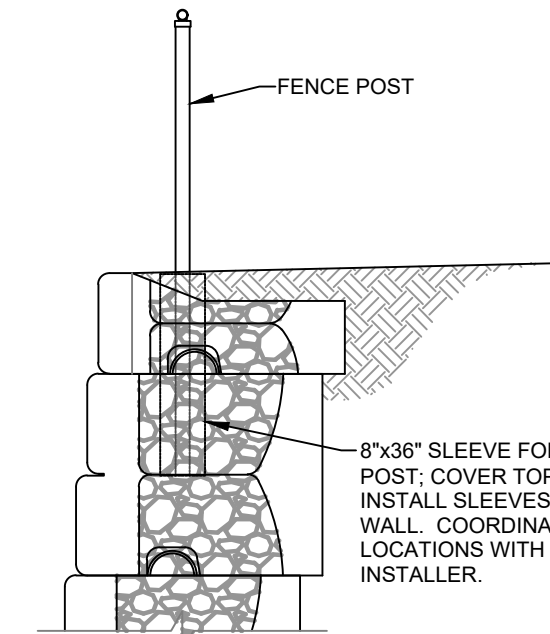
STONE STRONG 6SF TOP UNIT
NOT TO SCALE



NOTE:
MINIMUM RADIUS OCCURS AT LOWEST COURSE.
RADIUS INCREASES 2" PER COURSE
ABOVE, AS SHOWN ON TABLE.

MINIMUM CONCAVE RADIUS-6SF UNITS
NOT TO SCALE

Minimum Concave Radius		
Wall Height (ft)	Total # of Courses	Reqd. Radius at Top Course
3	2	13' 8"
4 1/2	3	13' 10"
6	4	14' 0"
7 1/2	5	14' 2"
9	6	14' 4"
10 1/2	7	14' 6"
12	8	14' 8"

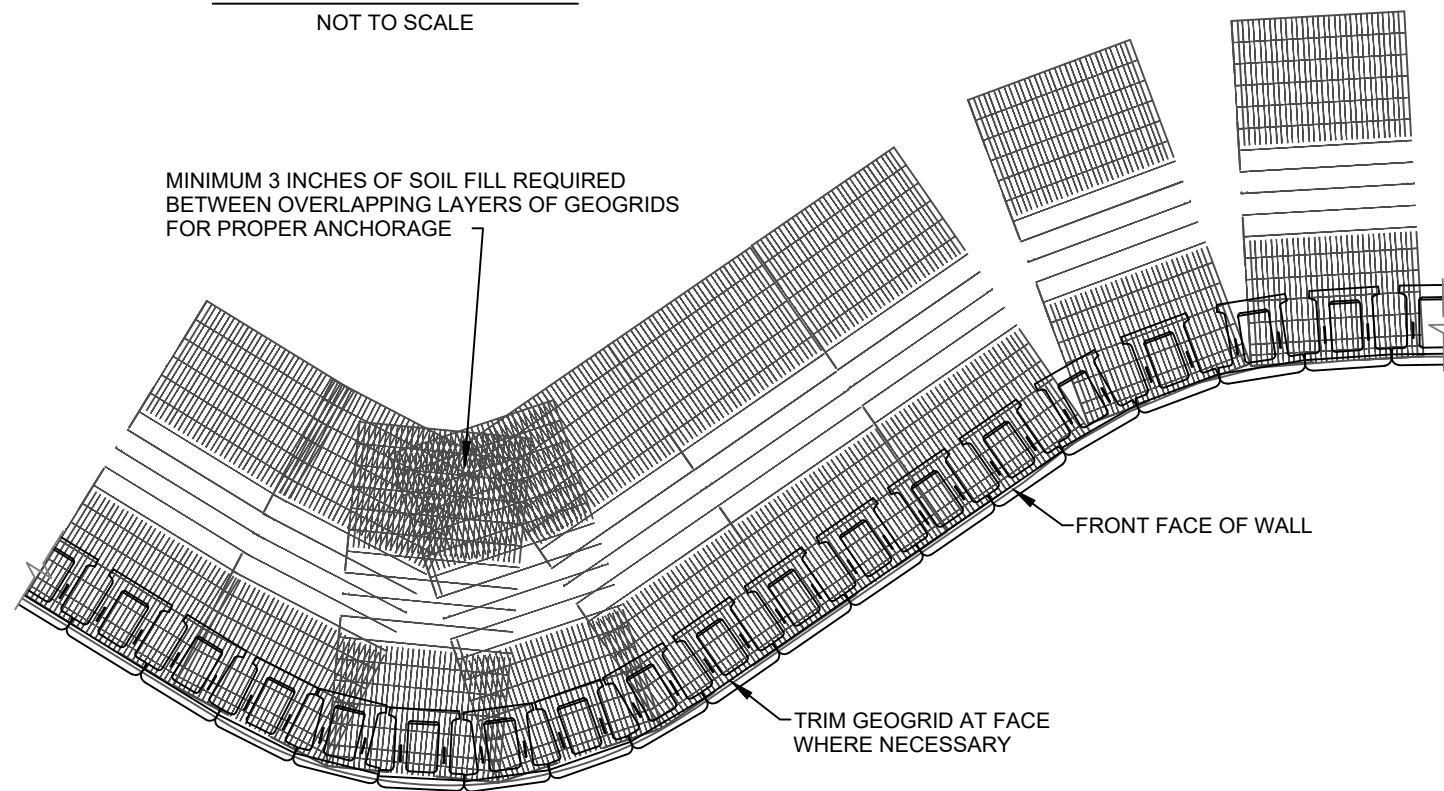


FENCE SLEEVE
NOT TO SCALE

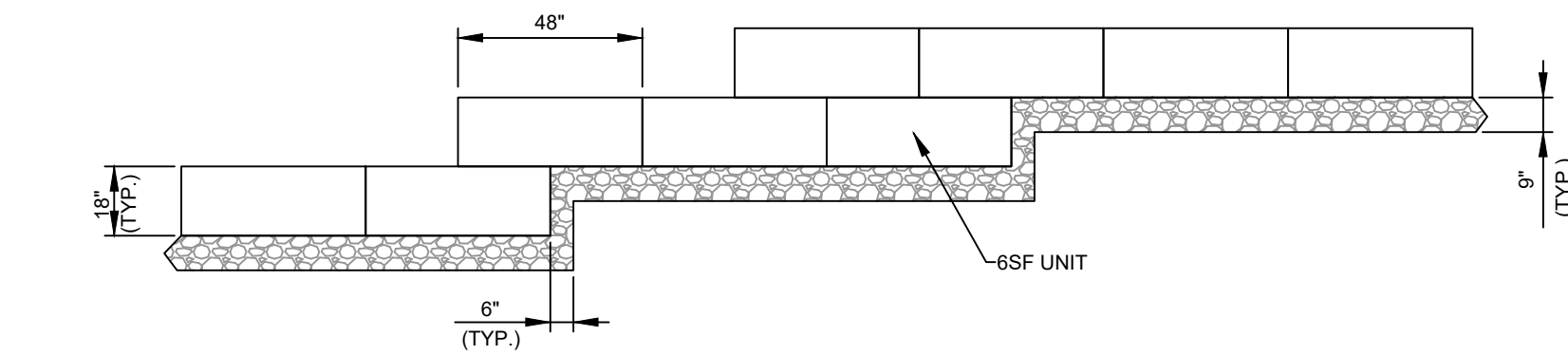
Minimum Convex Radius		
Wall Height (ft)	Total # of Courses	Reqd. Radius at First Course
3	2	16' 2"
4 1/2	3	16' 4"
6	4	16' 6"
7 1/2	5	16' 8"
9	6	16' 10"
10 1/2	7	17' 0"
12	8	17' 2"

NOTE:
NOTE: MINIMUM RADIUS OCCURS AT TOP COURSE.
REQUIRED RADIUS INCREASES 2" PER COURSE
BELOW, AS SHOWN ON TABLE.

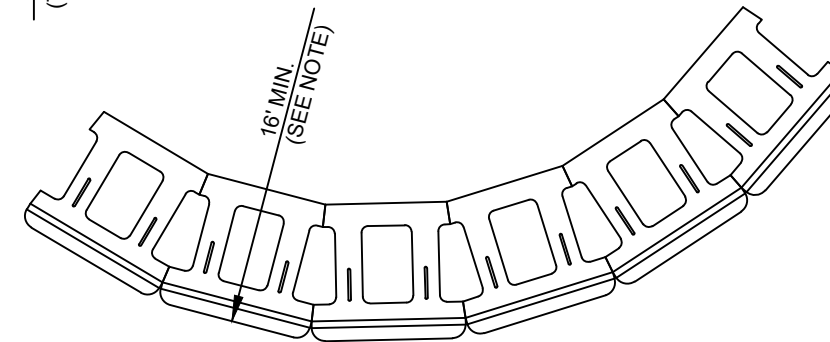
MINIMUM CONVEX RADIUS-6SF UNITS
NOT TO SCALE



6SF GEOGRID PLACEMENT ON CURVES
NOT TO SCALE

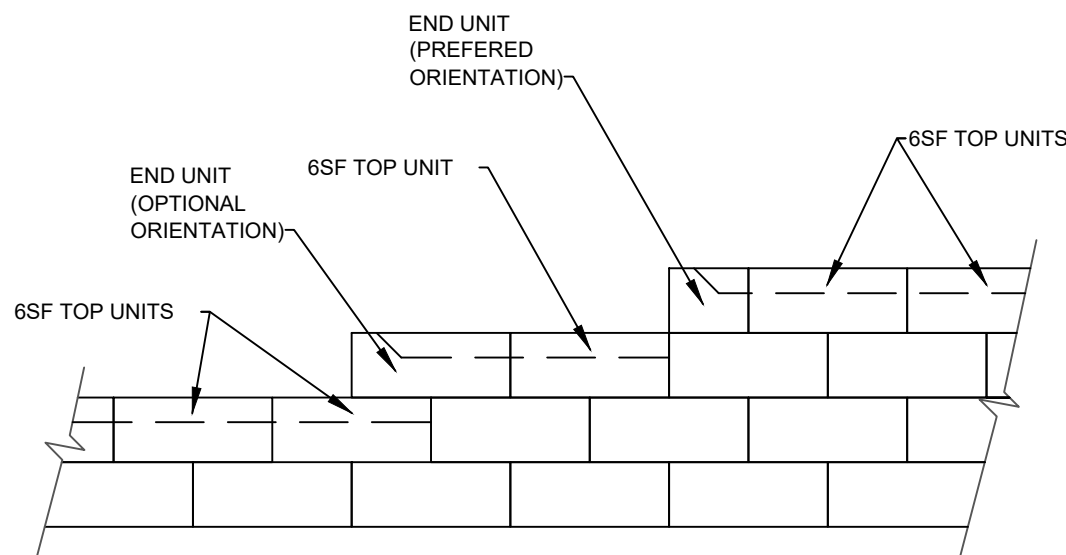


6SF WALL BASE STEP
NOT TO SCALE

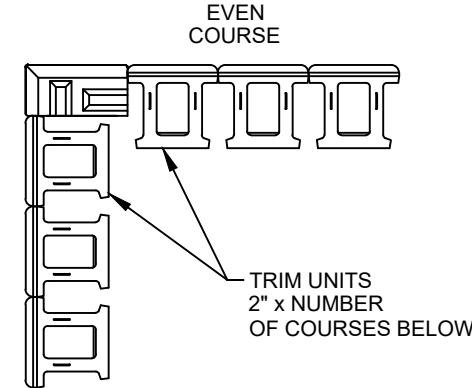


NOTE:
NOTE: MINIMUM RADIUS OCCURS AT TOP COURSE.
REQUIRED RADIUS INCREASES 2" PER COURSE
BELOW, AS SHOWN ON TABLE.

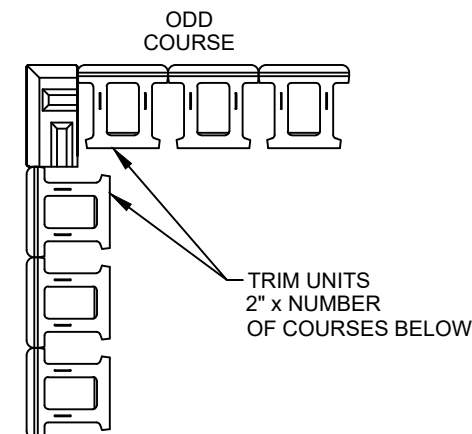
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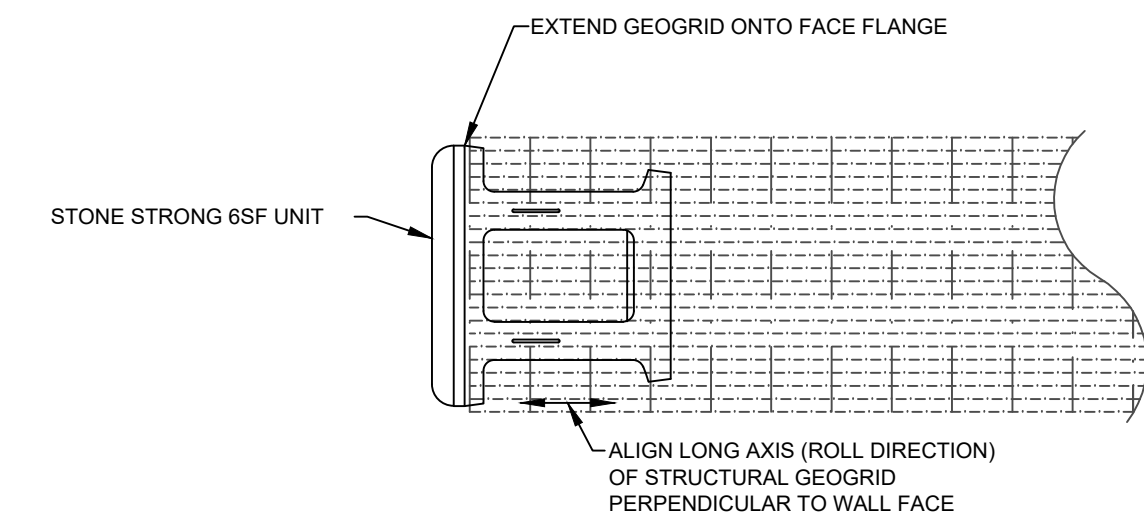
TOP OF WALL STEPS
NOT TO SCALE



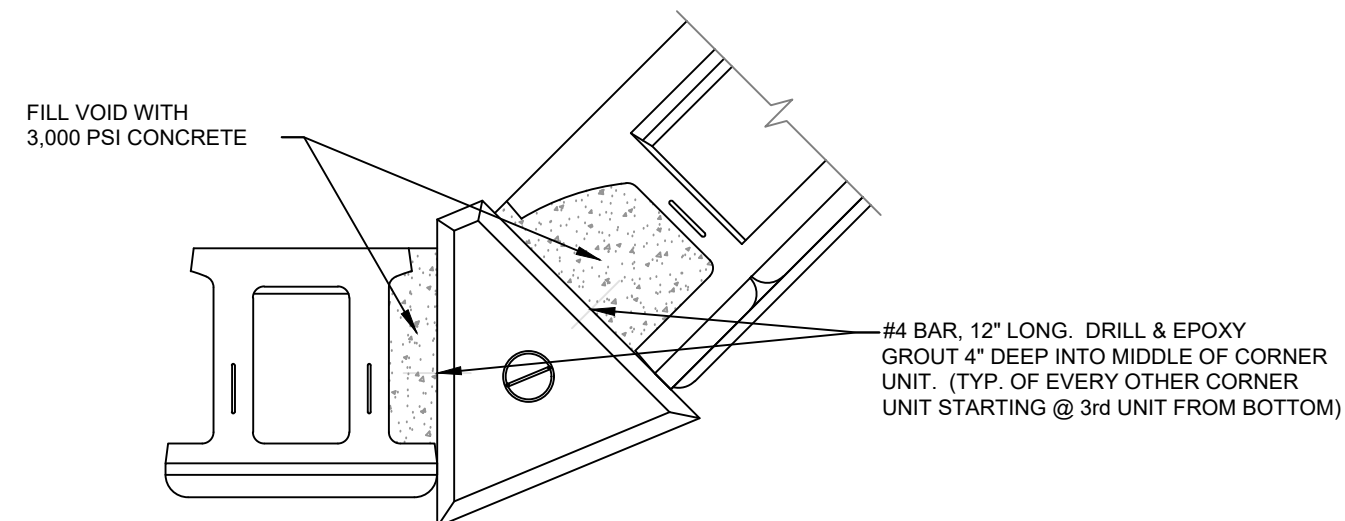
6SF LACED OUTSIDE CORNER
NOT TO SCALE



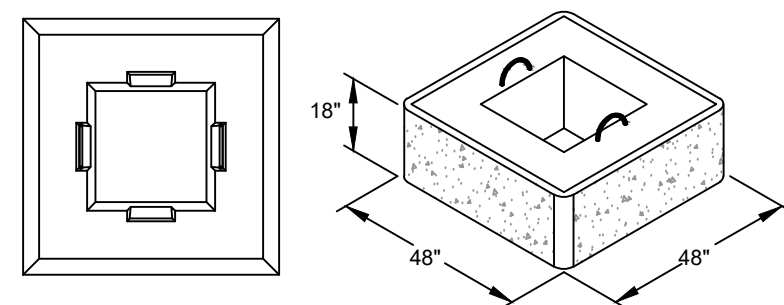
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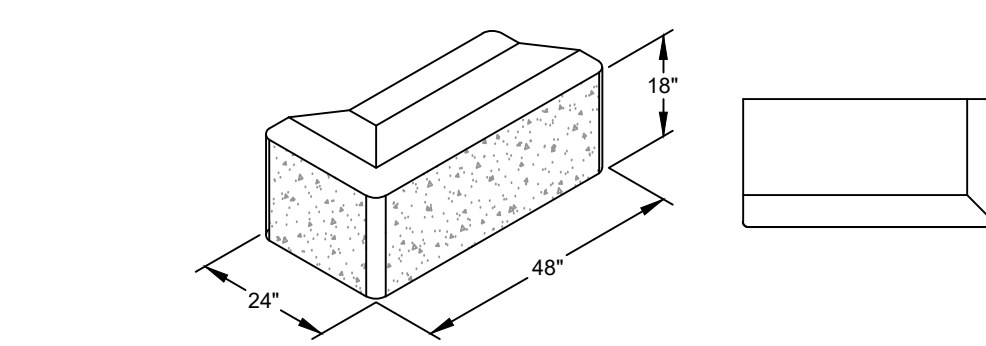
6SF GEOGRID ORIENTATION
NOT TO SCALE



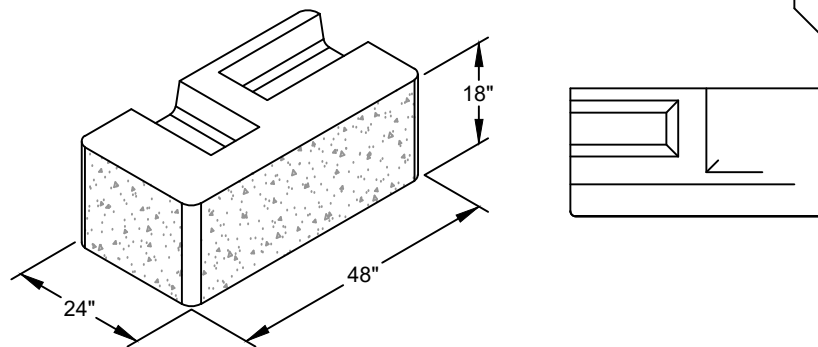
45° CORNER TIEBACK
NOT TO SCALE



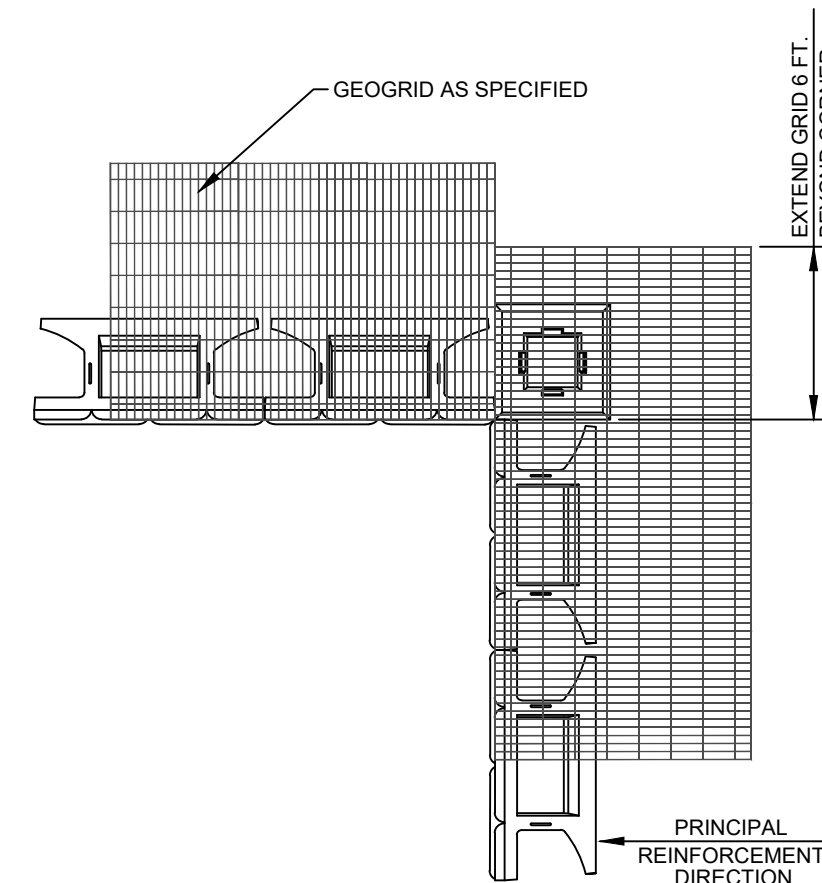
STONE STRONG 90° CORNER UNIT
NOT TO SCALE



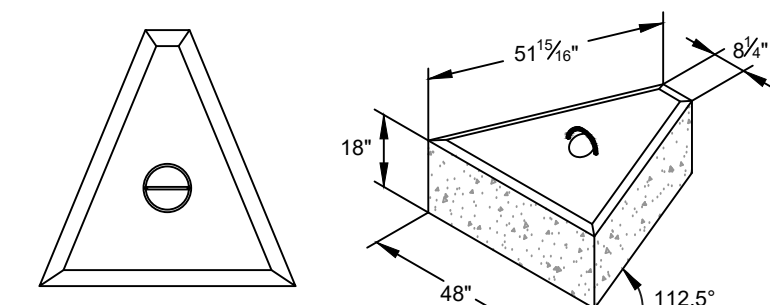
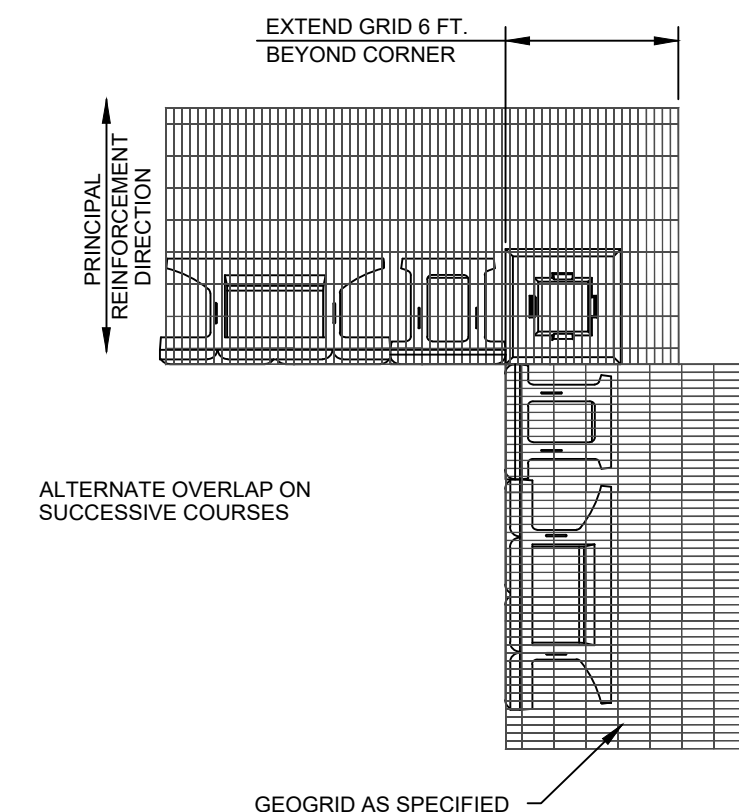
STONE STRONG END UNIT
NOT TO SCALE



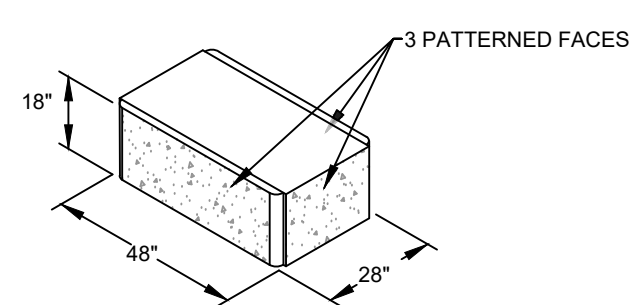
STONE STRONG CORNER UNIT
NOT TO SCALE



GRID PLACEMENT
INSIDE CORNER
NOT TO SCALE



STONE STRONG 45° CORNER UNIT
NOT TO SCALE

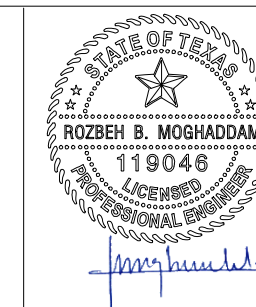


STONE STRONG
DUAL FACE END UNIT
NOT TO SCALE

CHECK ON AVAILABILITY OF ALL UNITS w/ LOCAL PRODUCER/ DEALER. SOME UNITS MAY HAVE LIMITED AVAILABILITY.

Canyon Ranch Unit 3

RBM



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CONVERSE TX, 78109
www.rbmcgroup.com

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Fax: 726-777-4559
info@rbmcgroup.com

Sheet Title

Details 1

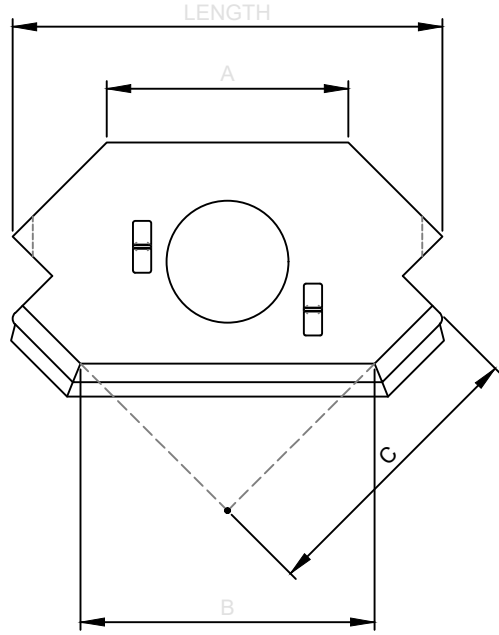
Project No.
2112044

Date
2/17/2023
Issued For
BID

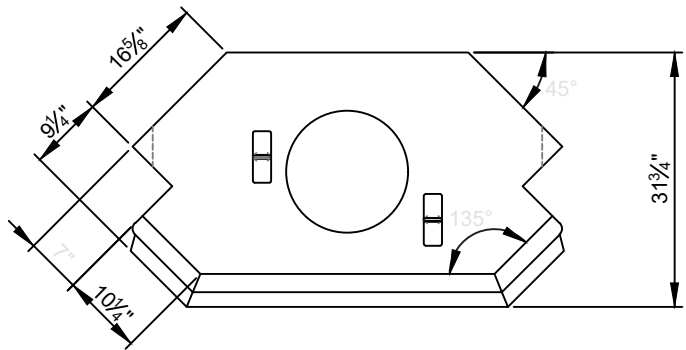
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3

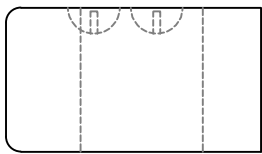
Block #	Length	A	B	C	Block Weight
O1	65 in 1652 mm	42 in 1054 mm	53 in 1347 mm	50 in 1276 mm	2835 lbs 1286 kg
O2	59 in 1508 mm	36 in 910 mm	47 in 1203 mm	46 in 1175 mm	2550 lbs 1155 kg
O3	56 in 1415 mm	30 in 767 mm	42 in 1060 mm	42 in 1073 mm	2255 lbs 1025 kg
O4	48 in 1221 mm	25 in 623 mm	36 in 916 mm	38 in 972 mm	1955 lbs 885 kg
O5	42 in 1077 mm	19 in 479 mm	30 in 772 mm	34 in 870 mm	1670 lbs 760 kg
O6	37 in 933 mm	13 in 336 mm	25 in 629 mm	30 in 768 mm	1370 lbs 620 kg



PLAN VIEW
VARIABLE DIMENSIONS

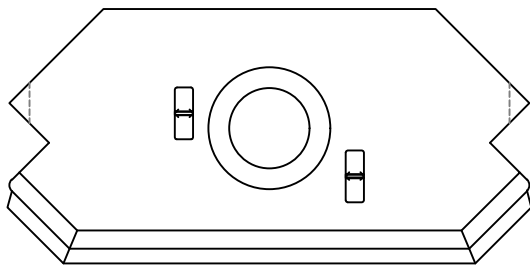


PLAN VIEW
FIXED DIMENSIONS

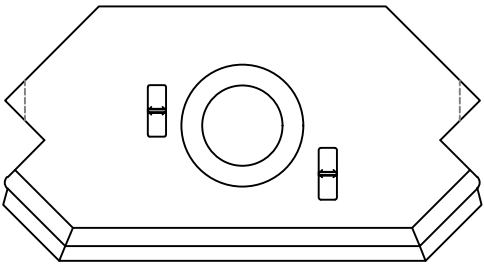


END VIEW

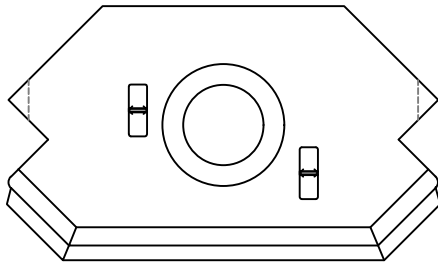
STONE STRONG OUTSIDE CORNER UNIT
NOT TO SCALE



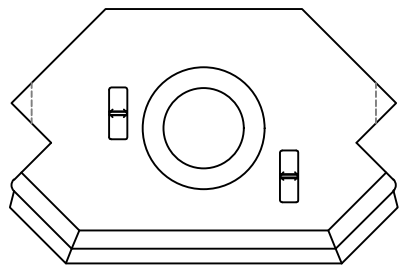
BLOCK NUMBER O1



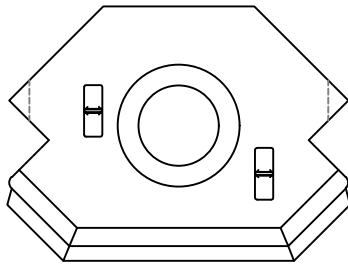
BLOCK NUMBER O2



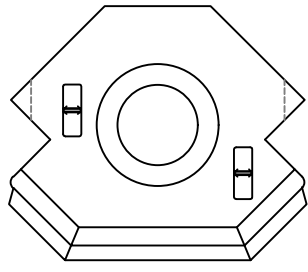
BLOCK NUMBER O3



BLOCK NUMBER O4



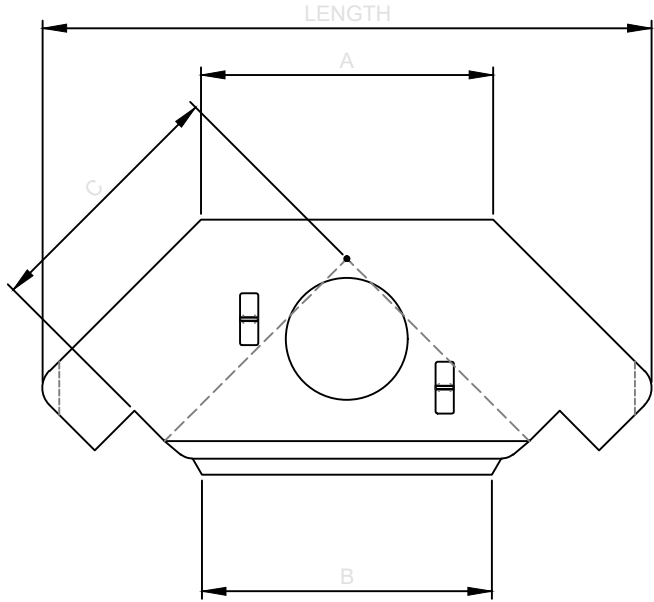
BLOCK NUMBER O5



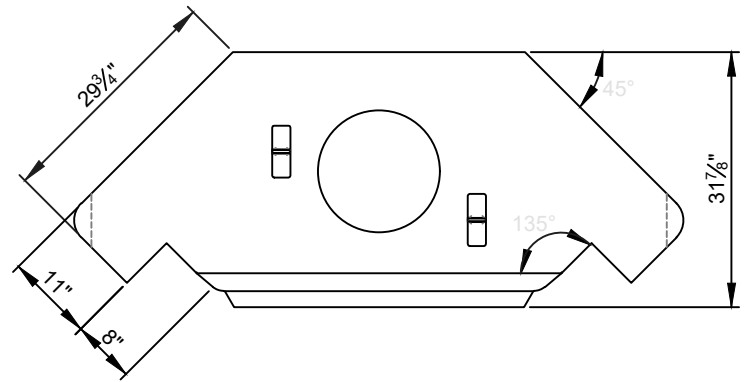
BLOCK NUMBER O6

STONE STRONG OUTSIDE CORNER UNITS
NOT TO SCALE

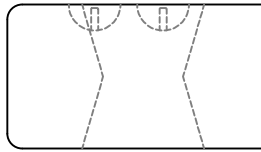
Block #	Length	A	B	C	Block Weight
I1	65 in 1646 mm	25 in 641 mm	25 in 633 mm	19 in 485 mm	2070 lbs 940 kg
I2	70 in 1790 mm	31 in 784 mm	31 in 777 mm	23 in 593 mm	2350 lbs 1065 kg
I3	76 in 1934 mm	37 in 928 mm	36 in 921 mm	27 in 694 mm	2630 lbs 1195 kg
I4	82 in 2077 mm	42 in 1072 mm	42 in 1064 mm	31 in 796 mm	2900 lbs 1315 kg
I5	87 in 2221 mm	48 in 1215 mm	48 in 1208 mm	35 in 896 mm	3180 lbs 1445 kg
I6	93 in 2365 mm	54 in 1359 mm	53 in 1352 mm	39 in 997 mm	3460 lbs 1570 kg



PLAN VIEW
VARIABLE DIMENSIONS

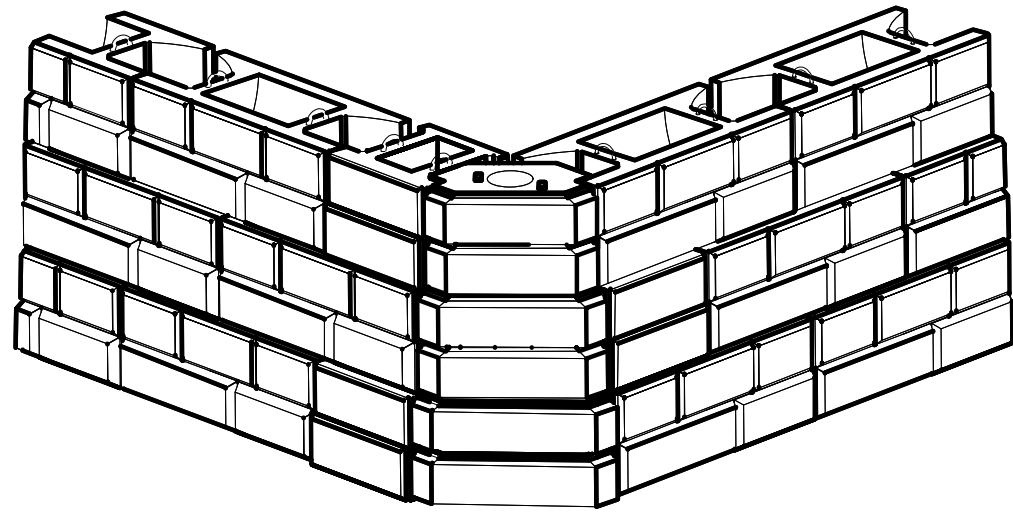


PLAN VIEW
FIXED DIMENSIONS

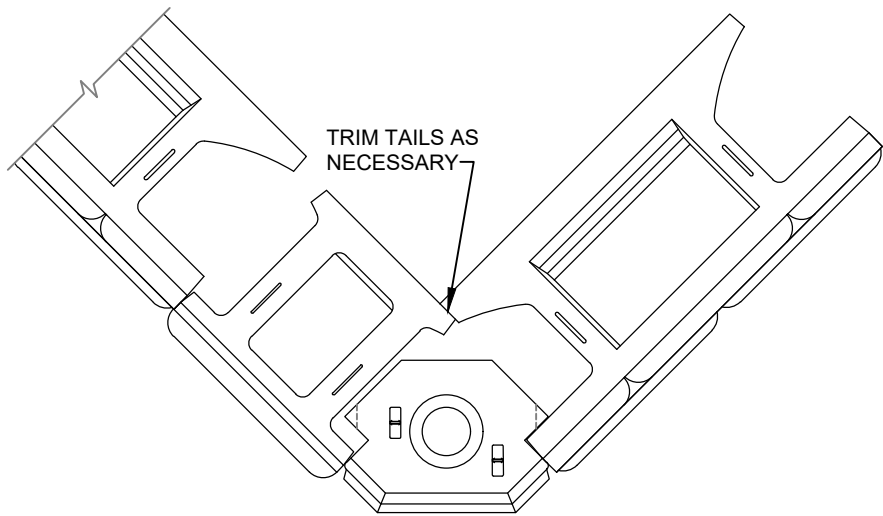


END VIEW

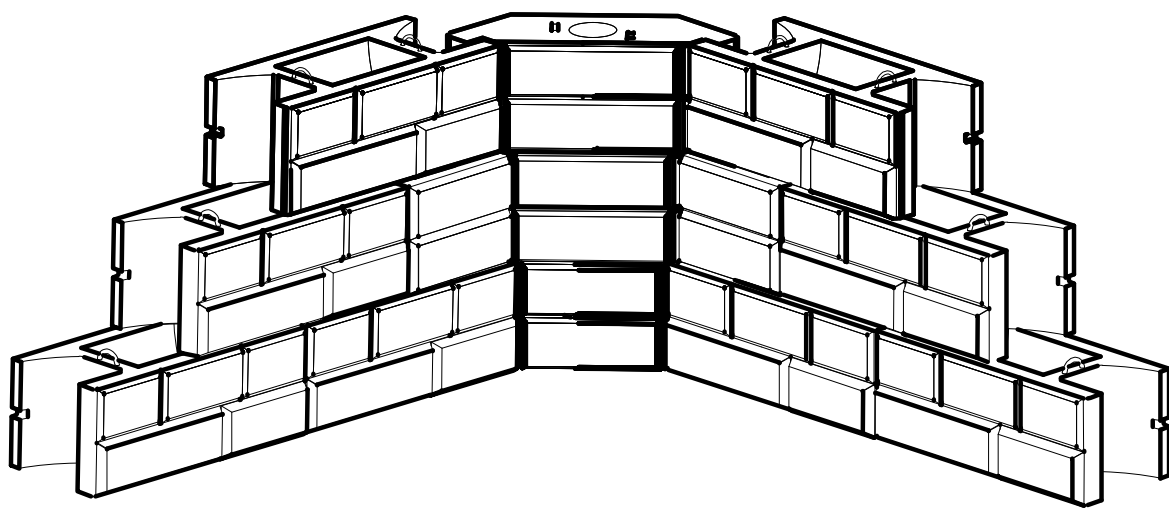
STONE STRONG INSIDE CORNER UNIT
NOT TO SCALE



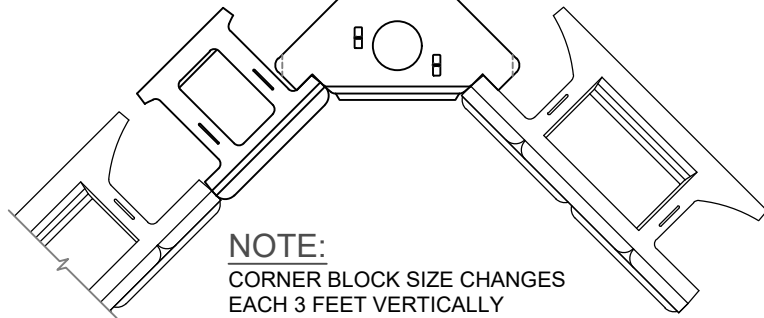
STONE STRONG OUTSIDE CORNER BLOCK ASSEMBLY
NOT TO SCALE



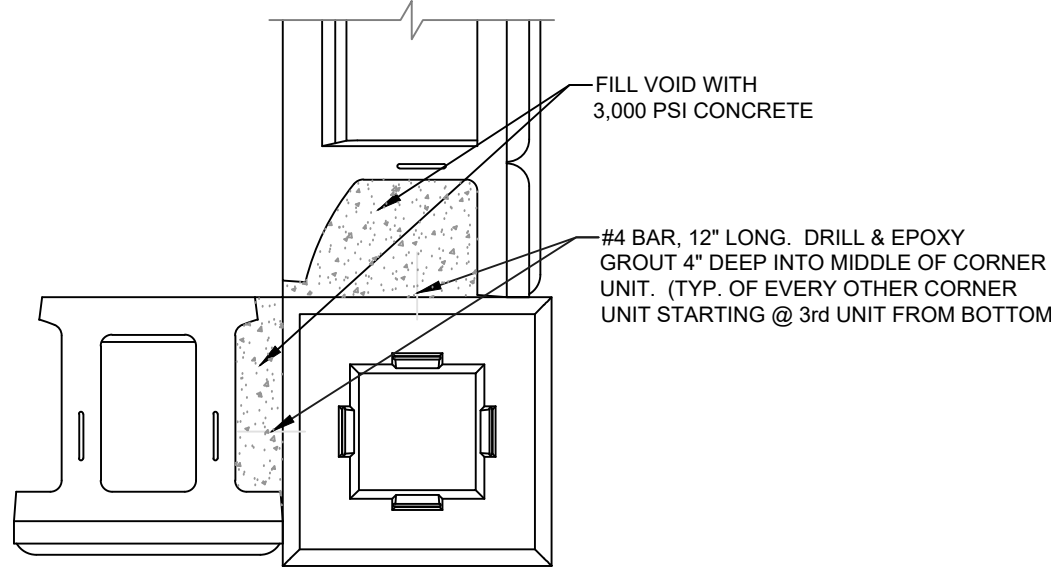
NOTE:
CORNER BLOCK SIZE CHANGES
EACH 3 FEET VERTICALLY



STONE STRONG INSIDE CORNER BLOCK ASSEMBLY
NOT TO SCALE

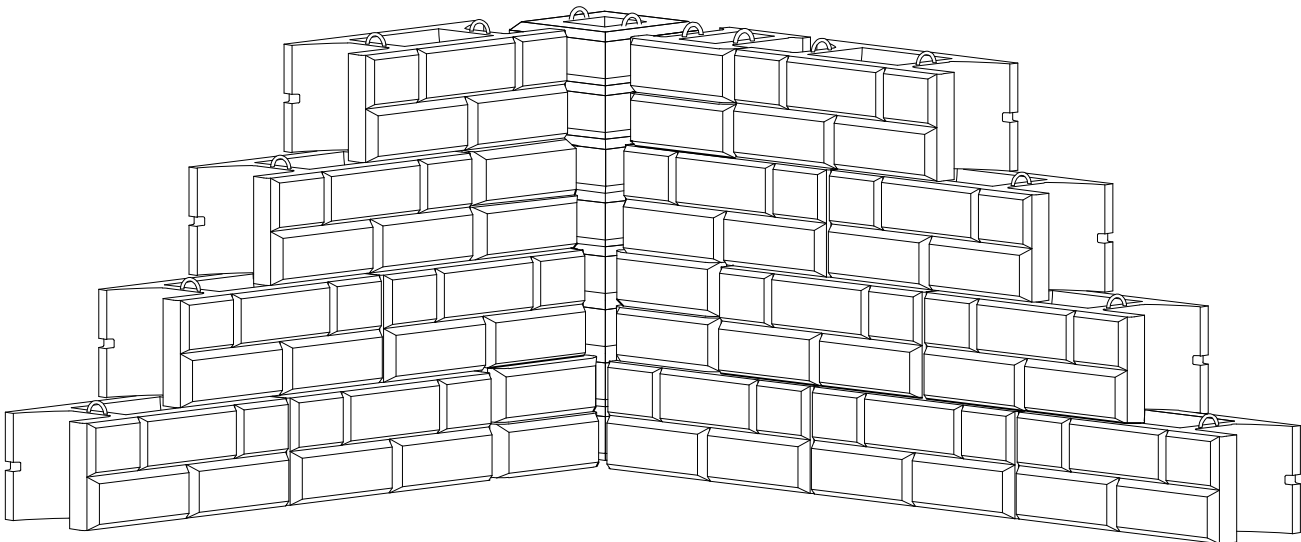


NOTE:
CORNER BLOCK SIZE CHANGES
EACH 3 FEET VERTICALLY

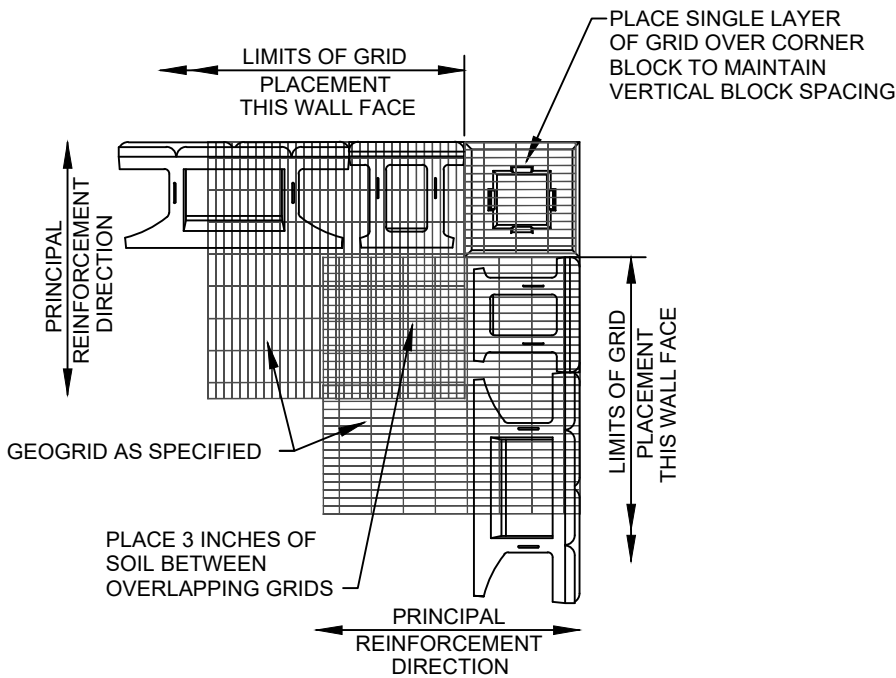
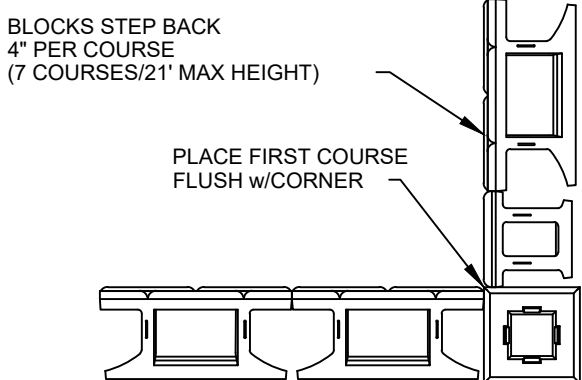


90° CORNER TIEBACK
NOT TO SCALE

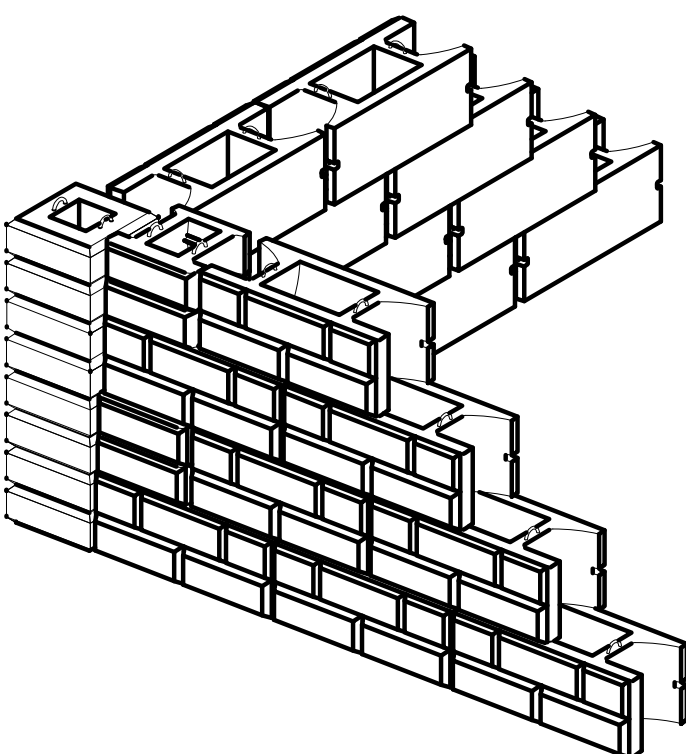
NOTE:
RECOMMENDED FOR CORNERS 12' AND TALLER.
INSTALL TIEBACK EVERY 3' VERTICALLY STARTING
AT 3' ABOVE THE BASE.



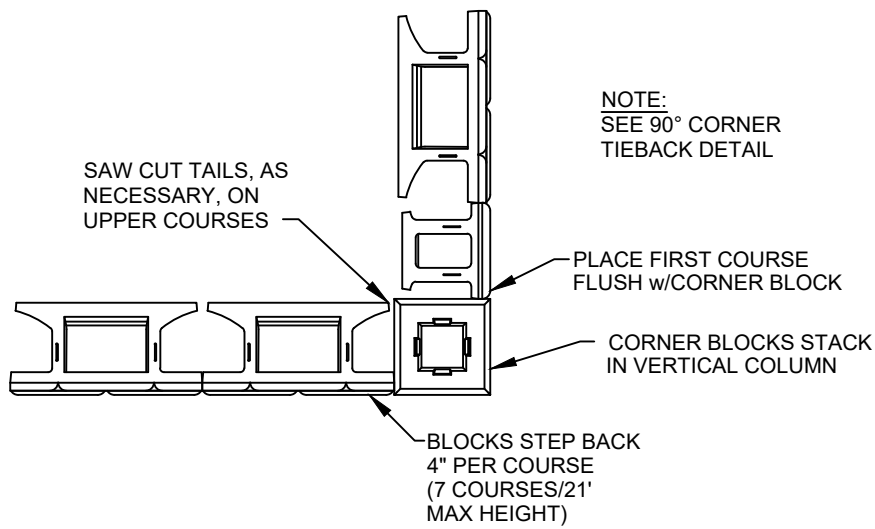
INSIDE 90° CORNER
NOT TO SCALE



GRID PLACEMENT
OUTSIDE CORNER
NOT TO SCALE



OUTSIDE 90° CORNER
NOT TO SCALE



NOTE:
SEE 90° CORNER
TIEBACK DETAIL

Canyon Ranch
Unit 3

RBM

STATE OF TEXAS
ROZBEH B. MOGHADAM
119048
Professional Engineer

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Sheet Title
Details 2

Project No.
2112044

Date:
2/17/2023
Issued for:
BID

Sheet
4

CONSTRUCTION NOTES

1.0 MATERIALS

1.1 BACKFILL SOILS / DRAINAGE STONE

1.1.1 REINFORCED BACKFILL MATERIAL (GRAVEL) SPECIFIED BELOW SHALL BE FREE DRAINING. REINFORCED BACKFILL MATERIALS SHALL BE APPROVED BY THE OWNER OR OWNER'S REPRESENTATIVE AND SHALL MEET THE PHYSICAL PROPERTY REQUIREMENTS DEFINED IN SECTION 6.0. THE REINFORCED BACKFILL MATERIAL SHALL BE CRUSHED ANGULAR STONE MEETING THE FOLLOWING GRADATION:

SIEVE SIZE	PERCENT PASSING
2 inch	100
1 inch	30-100
3/4 inch	10-70
1/2 inch	0-40
No. 4	0-10

1.1.2 ON-SITE FILL

ON-SITE FILL MATERIAL SHALL BE ON-SITE OR IMPORTED COMPRESSIBLE SOIL CLASSIFIED PER THE UNIFIED SOIL CLASSIFICATION SYSTEM AS LOW PLASTICITY (MAX PI=25), COMPACTED TO 95% STD. PROCTOR DENSITY.

1.2 THE PORTION OF THE REINFORCED BACKFILL MATERIAL PASSING THE No. 40 SIEVE SHALL HAVE A LIQUID LIMIT OF LESS THAN 40 AND A PLASTICITY INDEX OF LESS THAN 20. REINFORCED BACKFILL MATERIAL SHALL BE CLASSIFIED PER THE UNIFIED SOIL CLASSIFICATION SYSTEM AS LOW PLASTICITY OR NON-PLASTIC SOILS.

1.3 GEOGRID REINFORCING SHALL BE MIRAFI GEOGRID MANUFACTURED BY THE TENCATE CORPORATION OR STRATAGRID MANUFACTURED BY THE STRATAGRID CORPORATION. DESIGNS PRESENTED HEREIN ARE VALID FOR MIRAFI GEOGRID, STRATAGRID, OR APPROVED EQUAL.

1.4 WALL FACING SHALL BE STONE STRONG 6SF BLOCKS MANUFACTURED BY STONE STRONG, LLC. BLOCK SHALL BE PLACED PER MANUFACTURE'S SPECIFICATIONS.

1.5 GEOTEXTILE FABRIC SHALL BE MIRAFI 140N OR APPROVED EQUAL.

2.0 TECHNICAL REQUIREMENTS

2.1 PRIOR TO CONSTRUCTION OF THE GEOGRID REINFORCED WALL, THE CONTRACTOR SHALL CLEAR AND GRUB THE REINFORCED BACKFILL ZONE, REMOVING TOPSOILS, BRUSH, SOD OR OTHER ORGANIC OR DELETERIOUS MATERIALS. ANY UNSUITABLE SOILS SHALL BE OVER-EXCAVATED, REPLACED AND COMPACTED WITH REINFORCED BACKFILL MATERIAL TO PROJECT SPECIFICATIONS OR AS OTHERWISE DIRECTED BY THE OWNER'S GEOTECHNICAL ENGINEER. SUBGRADE SHALL BE COMPACTED AS DESIGNATED IN THE GEOTECHNICAL REPORT OR A MINIMUM OF 95% STANDARD PROCTOR DENSITY.

2.2 BACKFILL MATERIALS SHALL BE PLACED FROM THE BACK OF THE BLOCK FACING UNITS TOWARDS THE ENDS OF THE GEOGRID TO ENSURE FURTHER TENSIONING.

2.3 BACKFILL SHALL BE PLACED IN HORIZONTAL LAYERS NOT EXCEEDING 6 INCHES IN UNCOMPACTED THICKNESS FOR HEAVY COMPACTION EQUIPMENT. FILL SHALL BE COMPACTED AS SPECIFIED IN THESE PLANS OR TO A MINIMUM OF 95 PERCENT OF THE MAXIMUM DRY DENSITY AS DETERMINED IN ACCORDANCE WITH TXDOT TEST METHOD TEX-114-E AT MOISTURE CONTENT NO GREATER THAN 2 PERCENTAGE POINTS ABOVE OR BELOW OPTIMUM.

2.4 ONLY HAND-OPERATED EQUIPMENT SHALL BE ALLOWED WITHIN THREE FEET OF THE BACK FACE OF WALL AND FILL. SHALL BE PLACED IN HORIZONTAL LAYERS NOT TO EXCEED 6 INCHES IN UNCOMPACTED THICKNESS. COMPACTION SHALL BE ACHIEVED BY AT LEAST THREE PASSES OF A LIGHTWEIGHT MECHANICAL TAMPER, ROLLER OR VIBRATORY SYSTEM. THE SPECIFIED LIFT THICKNESSES SHALL BE ADJUSTED AS WARRANTED BY THE TYPE OF COMPACTION EQUIPMENT ACTUALLY USED. CARE SHALL BE EXERCISED DURING THE COMPACTION PROCESS TO AVOID MISALIGNMENT OF THE BLOCK UNITS. FREE-DRAINING REINFORCED BACKFILL (AS SPECIFIED IN NOTE 1.1.1) DOES NOT REQUIRE DENSITY TESTING. COMPACTION FOR THIS TYPE OF MATERIAL SHALL CONTINUE UNTIL THERE IS NO EVIDENCE OF FURTHER COMPACTION, OR AS DIRECTED BY THE OWNER'S GEOTECHNICAL ENGINEER.

2.5 DENSITY TESTING METHODS, FREQUENCY AND VERIFICATION OF MATERIAL SPECIFICATIONS AND COMPACTION SHALL BE THE RESPONSIBILITY OF THE OWNER'S GEOTECHNICAL ENGINEER, UNDER THE DIRECTION OF THE OWNER.

2.6 THE CONTRACTOR SHALL HAVE AN APPROVED SET OF CONSTRUCTION DRAWINGS AND CONTRACT SPECIFICATIONS ON-SITE AT ALL TIMES DURING CONSTRUCTION OF THE GEOGRID REINFORCED RETAINING WALL.

3.0 GEOGRID PLACEMENT

3.1 GEOGRID SHALL BE PLACED AT THE LOCATIONS AND ELEVATIONS SHOWN ON THE CONSTRUCTION DRAWINGS.

3.2 GEOGRID EMBEDMENT LENGTH (GEL) SHALL BE AS SHOWN ON THE CONSTRUCTION DRAWINGS. REINFORCED BACKFILL ZONE LENGTH IS MEASURED FROM THE FRONT FACE OF THE WALL EXTENDING TO THE TAIL OF THE GEOGRIDS.

3.3 GEOGRID REINFORCEMENT SHALL BE CONTINUOUS THROUGHOUT THE DESIGNATED EMBEDMENT LENGTH(S).

3.4 THE CONNECTION OF THE GEOGRID TO THE BLOCK SHALL BE A POSITIVE-MECHANICAL CONNECTION.

3.5 TRACKED CONSTRUCTION EQUIPMENT SHALL NOT BE OPERATED DIRECTLY ON THE GEOGRID. A MINIMUM FILL THICKNESS OF SIX INCHES IS REQUIRED FOR OPERATION OF TRACKED VEHICLES OVER THE GEOGRID. TURNING OF TRACKED VEHICLES SHOULD BE KEPT TO A MINIMUM TO PREVENT TRACKS FROM DISPLACING THE FILL AND/OR THE GEOGRID.

3.6 RUBBER-TIRED VEHICLES MAY PASS OVER THE GEOGRID REINFORCEMENT AT SLOW SPEEDS, LESS THAN 10 MPH. SUDDEN BRAKING AND SHARP TURNING SHALL BE AVOIDED.

3.7 UNIAXIAL GEOGRID SHALL BE ROLLED OUT WITH THE LONG AXIS OF THE APERTURES (MACHINE DIRECTION) PERPENDICULAR TO THE WALL FACE.

3.8 UNIAXIAL GEOGRIDS SHALL BE CUT NEXT TO THE CROSS-MACHINE DIRECTION BAR. THE CROSS-MACHINE DIRECTION BAR SHALL BE PLACED AND PULLED TAUT PRIOR TO FILL PLACEMENT.

3.9 A MINIMUM OF 3 INCHES OF FILL MATERIAL SHALL BE REQUIRED BETWEEN LAYERS OF UNIAXIAL GEOGRID AND FILTER FABRIC UNLESS OTHERWISE SHOWN.

3.10 NO CHANGES TO THE GEOGRID LAYOUT INCLUDING, BUT NOT LIMITED TO LENGTH, GEOGRID TYPE OR ELEVATION SHALL BE MADE WITHOUT THE EXPRESSED PRIOR WRITTEN CONSENT OF GEOSOLUTIONS INC.

4.0 BLOCK PLACEMENT

4.1 THE ALLOWABLE HORIZONTAL AND VERTICAL TOLERANCE FOR THE ERECTION OF THE WALLS SHALL BE LIMITED TO 1.5 inch IN 10.0 FEET OF LENGTH OR HEIGHT.

5.0 DRAINAGE

5.1 FOR WALLS NOT INCORPORATING FREE-DRAINING CRUSHED STONE BACKFILL, THE BACKFILL SURFACE SHALL BE GRADED AWAY FROM THE WALL FACE A MINIMUM OF 2 PERCENT SLOPE AND A TEMPORARY SOIL BERM SHALL BE CONSTRUCTED NEAR THE WALL CREST TO PREVENT SURFACE WATER RUNOFF FROM OVERTOPPING THE WALL. GRADING SHALL BE PERFORMED AT THE END OF EACH WORK DAY.

5.2 AT THE END OF EACH WORKDAY, BACKFILL SURFACE SHALL BE COMPACTED WITH A SMOOTH WHEEL ROLLER TO MINIMIZE PONDING OF WATER AND SATURATION OF THE BACKFILL.

5.3 PERMANENT SURFACE WATER DIVERSION AND/OR COLLECTION SHALL BE AS REQUIRED AND PROVIDED BY THE OWNER OR OWNER'S REPRESENTATIVE.

5.4 THE RETAINING WALL HAS BEEN DESIGNED ON THE ASSUMPTION THAT THE REINFORCED BACKFILL MATERIAL SHALL BE FREE OF SUBSURFACE DRAINAGE OF WATER (SEEPAGE). IF GROUND WATER IS ENCOUNTERED, GEOSOLUTIONS INC. SHALL BE CONTACTED IMMEDIATELY.

5.5 CARE SHALL BE TAKEN NOT TO CONTAMINATE THE GEOTEXTILE FABRIC AND/OR DRAINAGE STONE WITH FINE-GRAINED SOILS OR OTHER DELETERIOUS MATERIALS.

6.0 DESIGN PARAMETERS

6.1 DESIGN OF THE RETAINING WALLS IS BASED ON THE FOLLOWING PARAMETERS:

	EFFECTIVE FRICTION ANGLE	EFFECTIVE COHESION	MOIST UNIT WT
REINFORCED BACKFILL (GRAVEL)	34°	0 psf	125 pcf
RETAINED SOILS	28°	0 psf	125 pcf
FOUNDATION SOILS	28°	0 psf	125 pcf

6.2 FACTORS OF SAFETY:

	REQUIRED	ACTUAL
INTERNAL STABILITY:		
MINIMUM FACTOR OF SAFETY FOR GEOGRID OVERSTRESS	= 1.5	= 2.20
MINIMUM FACTOR OF SAFETY FOR GEOGRID PULLOUT	= 1.5	= 6.78
MINIMUM FACTOR OF SAFETY FOR SLIDING AT LOWEST GEOGRID	= 1.5	= 2.33
SOIL-GEOGRID INTERACTION COEFFICIENT	= 0.7	
PERCENT COVERAGE OF GEOGRID	= 100	

6.2.2 EXTERNAL STABILITY:

MINIMUM FACTOR OF SAFETY FOR SLIDING AT BASE	= 1.5	= 1.97
MINIMUM FACTOR OF SAFETY FOR OVERTURNING	= 2.0	= 4.07

6.3 SURCHARGE LOADING = 100 psf

7.0 SPECIAL PROVISIONS

7.1 THE DESIGN PRESENTED HEREIN IS BASED ON SOIL PARAMETERS, FOUNDATION CONDITIONS, GROUNDWATER CONDITIONS, AND LOADINGS STATED IN SECTION 6.0.

7.2 LOCATIONS AND GEOMETRY OF EXISTING STRUCTURES AND GRADE ABOVE AND BELOW THE WALLS MUST BE VERIFIED BY THE OWNER OR OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION.

7.3 THE OWNER OR OWNER'S REPRESENTATIVE IS RESPONSIBLE FOR REVIEWING AND VERIFYING THAT THE ACTUAL SITE CONDITIONS ARE AS DESCRIBED IN SECTION 6.0 PRIOR TO AND DURING CONSTRUCTION. THE OWNER OR OWNER'S REPRESENTATIVE SHALL BE ON-SITE TO ASSURE THE PROVISIONS IN THE CONSTRUCTION NOTES ARE FOLLOWED.

7.4 THE SOIL DESIGN PARAMETERS STATED IN SECTION 6.0 ARE BASED ON THE GEOTECHNICAL REPORT TITLED "SUBSURFACE EXPLORATION AND PAVEMENT ANALYSIS, PROPOSED NEW STREETS, CANYON RANCH SUBDIVISION, COMAL COUNTY, TEXAS" DATED DECEMBER 10,2020 PREPARED BY INTEC OF SAN ANTONIO, LLP.

7.5 IF ANY ROCK FORMATIONS AND/OR GROUNDWATER ARE ENCOUNTERED DURING THE CONSTRUCTION OF THIS WALL, IMMEDIATELY CONTACT THE OWNER OR OWNER'S REPRESENTATIVE.

7.6 ANY REVISIONS TO DESIGN PARAMETERS STATED IN SECTION 6.0 OR STRUCTURE GEOMETRY SHALL REQUIRE DESIGN MODIFICATIONS PRIOR TO PROCEEDING WITH CONSTRUCTION.

7.7 THIS DESIGN IS VALID ONLY FOR THE CANYON RANCH UNIT 3 PROJECT, COMAL COUNTY, TEXAS.

8.0 OWNER'S RESPONSIBILITIES

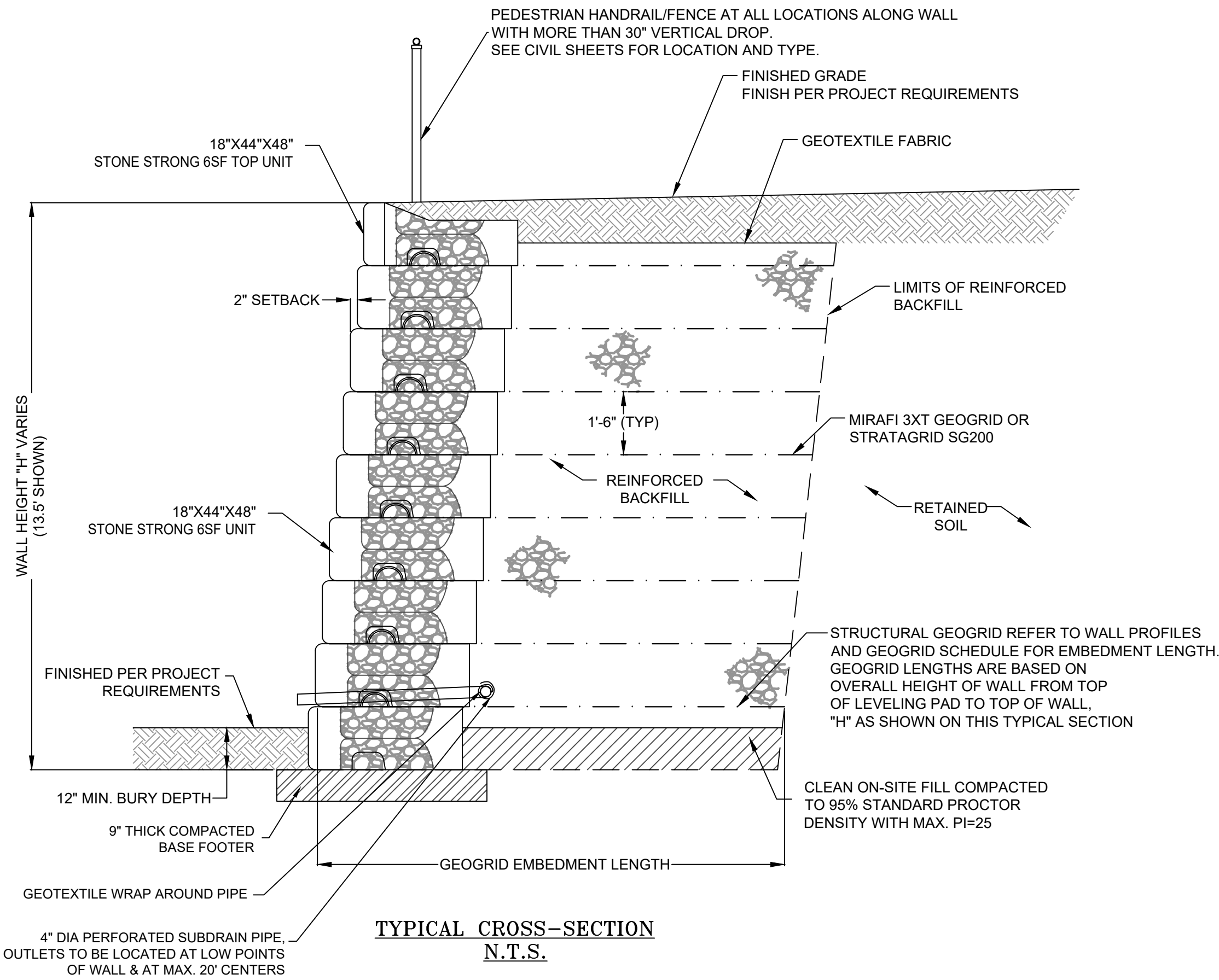
8.1 OWNER SHALL BE RESPONSIBLE FOR CONFIRMING THAT ALL REQUIREMENTS SET FORTH ON THESE DRAWINGS ARE MET. ASSIGNMENT OR DELEGATION OF RESPONSIBILITIES BY OWNER TO OWNER'S REPRESENTATIVE SHALL NOT RELIEVE OWNER OF RESPONSIBILITY OF CONFIRMING THAT ALL REQUIREMENTS SET FORTH HEREIN ARE MET.

8.2 OWNER (OR OWNER-DESIGNATED REPRESENTATIVES) RESPONSIBILITIES, AS DESCRIBED IN PREVIOUS SECTIONS OF THESE NOTES, SHALL INCLUDE:

8.2.1 PERMANENT SURFACE WATER DIVERSION (SECTION 5.0).

8.2.2 CONFIRMATION OF GEOMETRY AND LOADING CONDITIONS FOR AREAS ADJACENT TO WALL (SECTION 7.0).

8.2.3 ASSURING CONFORMITY WITH CONSTRUCTION DRAWINGS AND NOTES DURING CONSTRUCTION BY ON-SITE INSPECTION (SECTION 7.0).



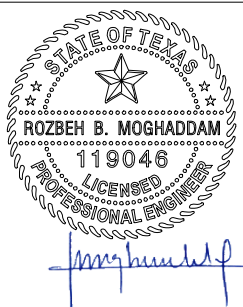
GEOGRID SCHEDULE

HEIGHT OF WALL "H"	NO. OF LAYERS	GEOGRID EMBEDMENT LENGTH	GEOGRID TYPE
3.0	N/A	N/A	N/A
4.5'	N/A	N/A	N/A
6.0'	N/A	N/A	N/A
7.5'	N/A	N/A	N/A
9.0'	6	8.0'	MIRAFI 3XT OR STRATAGRID SG 200
10.5'	7	9.0'	MIRAFI 3XT OR STRATAGRID SG 200
12.0'	8	10.0'	MIRAFI 3XT OR STRATAGRID SG 200
13.5'	9	11.0'	MIRAFI 3XT OR STRATAGRID SG 200

- NOTES:
- 1) STEP TOP OF WALL TO CORRESPOND WITH SLOPE BEHIND WALL
 - 2) MINIMUM 8' GEOGRID LENGTH
 - 3) WALLS WITH "H"< 7.5' DO NOT REQUIRE GEOGRID

Canyon Ranch Unit 3

RBM



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Notes

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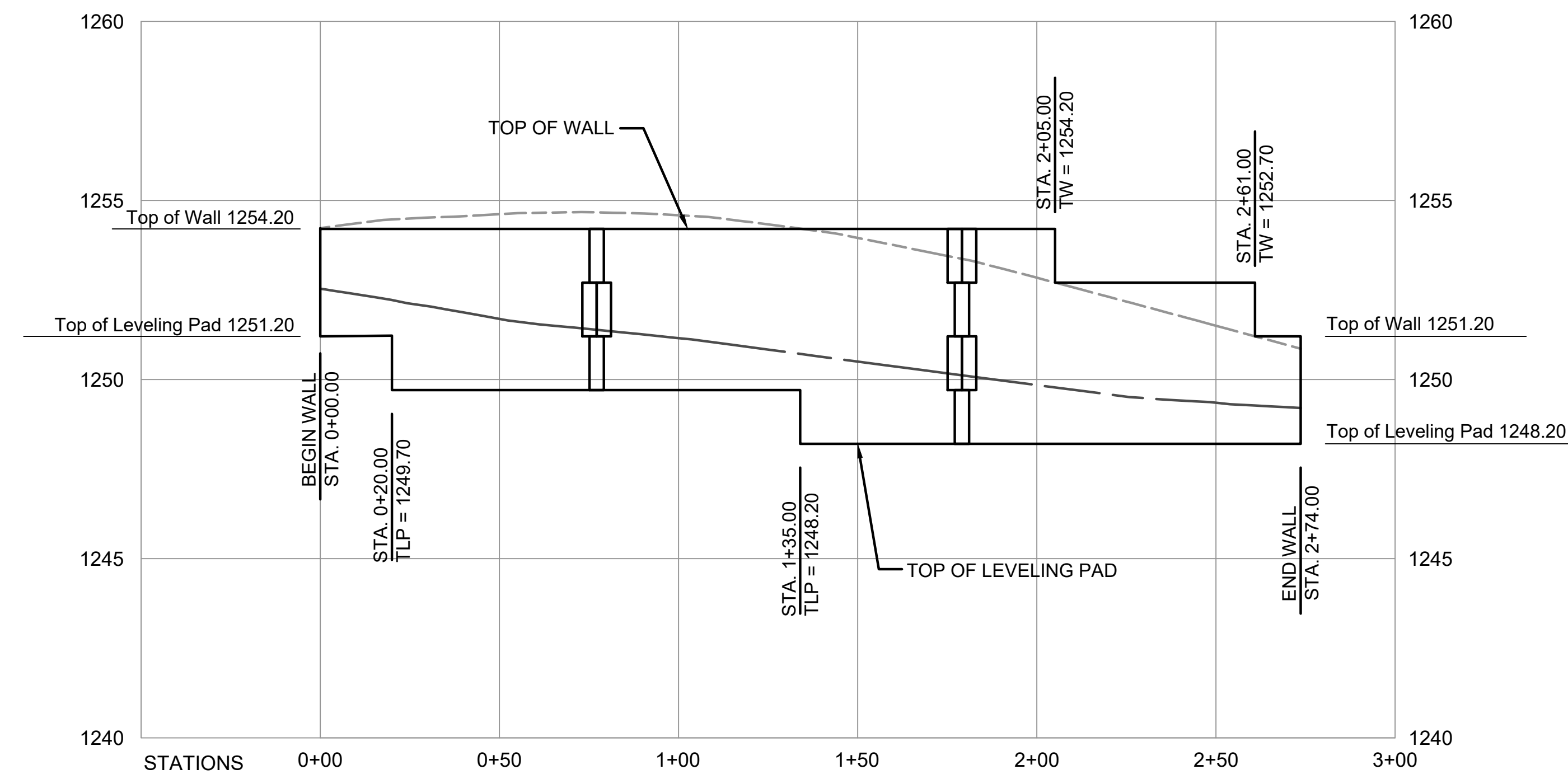
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LEGEND

	GEGRID
	FINISHED GRADE AT TOP OF WALL
	EXISTING GRADE AT BOTTOM OF WALL
	GEGRID ELEVATION
	GEGRID CHANGE OR TERMINATION POINT
	STONE STRONG WALL UNIT
	TW = TOP OF WALL
	TLP = TOP OF LEVELING PAD



RETAINING WALL 1

RETAINING WALL 1
Sta. 0+00.00 to Sta. 2+74.00

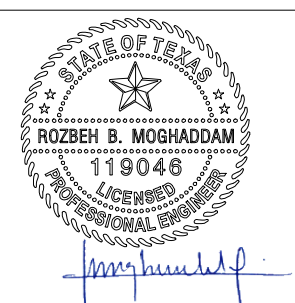
Scale:

Horizontal: 1"=30'

Vertical: $1'' = 3'$

Canyon Ranch Unit 3

RBM



Sheet Title

Retaining Wall 1
Section Plan

Project No.
2112044

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