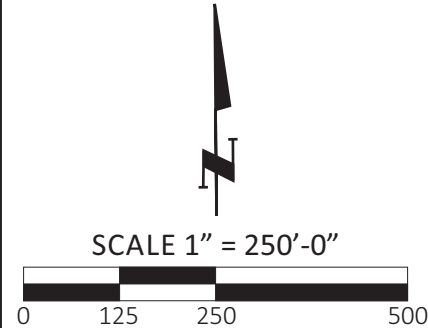


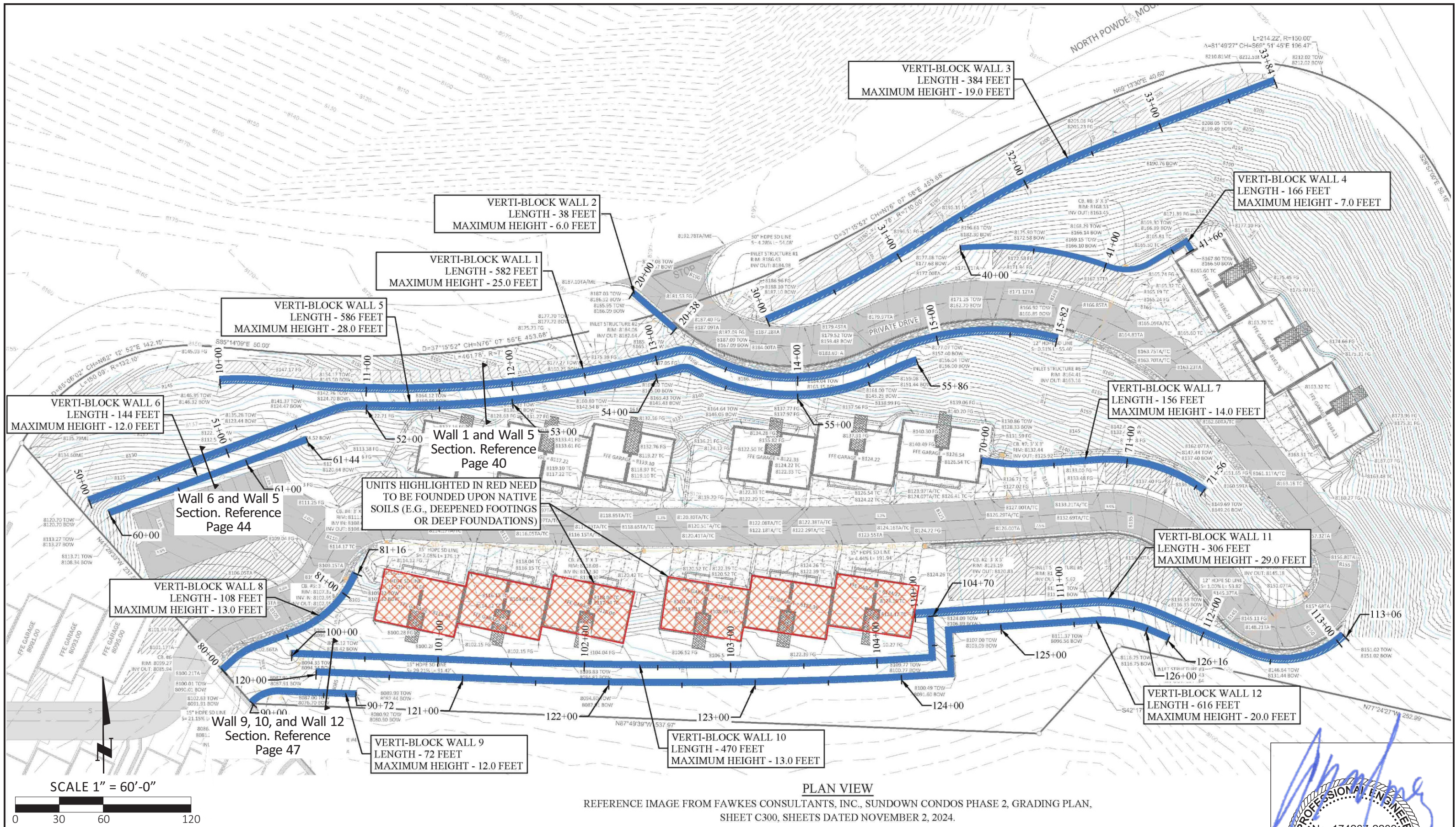
PAGE DESCRIPTION	SHEET NUMBER
COVER SHEET	1
PLAN VIEW	2
DESIGN CRITERIA	3
MATERIALS AND SPECS	APPENDIX A
CONSTRUCTION DRAWINGS	4
QUANTITY ESTIMATES	5
VERTI-BLOCK ELEVATIONS	APPENDIX B
WALL 1 ELEVATION VIEW	6 - 10
WALL 2 ELEVATION VIEW	11
WALL 3 ELEVATION VIEW	12 - 14
WALL 4 ELEVATION VIEW	15 - 16
WALL 5 ELEVATION VIEW	17 - 21
WALL 6 ELEVATION VIEW	22 - 23
WALL 7 ELEVATION VIEW	24 - 25
WALL 8 ELEVATION VIEW	26
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WALL 12 ELEVATION VIEW	35 - 39
VERTI-BLOCK CROSS SECTIONS	APPENDIX C
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SECTION VIEW - WALL 2	41
SECTION VIEW - WALL 3	42
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SECTION VIEW - WALLS 5 & 6	44
SECTION VIEW - WALL 7	45
SECTION VIEW - WALL 8	46
SECTION VIEW - WALLS 9, 10, & 12	47
SECTION VIEW - WALL 11	48
CALCULATIONS - STATIC & SEISMIC	APPENDIX D
GLOBAL STABILITY - STATIC & SEISMIC	APPENDIX E

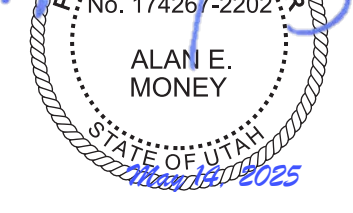


VERTI-BLOCK RETAINING WALL DESIGN PACKAGE
SUNDOWN CONDOS PHASE 2
6550 NORTH POWDER MOUNTAIN ROAD
EDEN, UTAH



Project Number: AZ 2025	DRAWING TITLE: VERTI-BLOCK RETAINING WALLS COVER SHEET	SHEET NUMBER: 1	AMMTec CONSULTANTS, PLLC CONSULTING ENGINEERING SERVICES 2447 West 12th Street, Ste #1 Phone: 480 927-9696 Tempe, Arizona 85281 Fax: 480 927-9797 E-Mail: ammttec@ammtec.com www.ammttec.com Prepared By: JAM/BMH Reviewed By: AEM Date: 05/14/25 Revision: N/A			
Engineered By: Alan E. Money						
Scale: 1"=250'						



Project Number: AZ 2025	DRAWING TITLE: VERTI-BLOCK RETAINING WALLS PLAN VIEW	SHEET NUMBER: 2	AMMTec CONSULTANTS, PLLC		
Engineered By: Alan E. Money			<i>CONSULTING ENGINEERING SERVICES</i>		
Scale: 1"=60'			2447 West 12th Street, Ste #1 Tempe, Arizona 85281 E-Mail: ammttec@ammtec.com		
PROJECT NAME: SUNDOWN CONDOS PHASE 2 6550 NORTH POWDER MOUNTAIN ROAD, EDEN, UT		Phone: 480 927-9696 Fax: 480 927-9797 www.ammttec.com		Prepared By: JAM/BMH Reviewed By: AEM Date: 05/14/25 Revision: N/A	

GENERAL NOTES

BASIS OF DESIGN

1. BUILDING CODE 2018 INTERNATIONAL BUILDING CODE (IBC)

2. RETAINING WALL:

A. ANALYSIS USED IN DESIGN:

ANALYSIS	DESIGN REFERENCES/SOFTWARE
INTERNAL/EXTERNAL STABILITY	VERTI-BLOCK RETAINING WALLS, 2019 VERTICRETE WALL DESIGNER SOFTWARE
GLOBAL STABILITY	SLIDE 2: ROCSCIENCE, INC.

3. WALLS

A. WALL GEOMETRY AND LOADING CONDITIONS:

WALL	LENGTH (FT)	MAX. HEIGHT (FT)	BACKSLOPE CONDITIONS	SURCHARGE LOADING
1	582	25	VARIES	NONE
2	38	6	VARIES	NONE
3	384	19	VARIES	NONE
4	166	7	VARIES	NONE
5	586	28	VARIES	3,375 PSF WALL 1
6	144	12	VARIES	3,780 PSF WALL 5
7	156	14	VARIES	NONE
8	108	13	VARIES	NONE
9	72	12	VARIES	1,910 PSF WALL 12 & WALL 10
10	470	13	VARIES	1,890 PSF CONDO
11	306	29	VARIES	NONE
12	616	20	VARIES	3,915 PSF WALL 11

4. SOILS:

A. SOIL CONDITIONS USED IN DESIGN:

EARTH MATERIALS	FRICTION ANGLE	COHESION	UNIT WEIGHT
REINFORCED SOIL	38°	0 psf	135 pcf
WEATHERED ROCK, SHALE, ARGILLITE	25°	3,000 psf	155 pcf

B. COHESION USED ONLY DURING GLOBAL STABILITY ANALYSES

5. SEISMIC:

A. SEISMIC PARAMETERS USED IN DESIGN:

SEISMIC CRITERIA	INTERNAL, EXTERNAL & GLOBAL STABILITY
	PGA _M K _h
ASCE 7-16(IBC 2018)	0.448g 0.449g (INTERNAL) 0.187g (EXTERNAL) 0.224g (GLOBAL)

6. CONSTRUCTION MATERIALS:

- A. VERTI-BLOCK
- B. MIRAFI 5XT AND 8XT GEOGRID
- C. FILL MATERIAL
- D. CLEAN CRUSHED STONE/GRAVEL
- E. 4 INCH PERFORATED PVC PIPE
- F. NON-WOVEN GEOTEXTILE FILTER

7. CONSTRUCTION SPECIFICATIONS

- A. FOR VERTI-BLOCK CONSTRUCTION, REFERENCE THE VERTI-BLOCK RETAINING WALL DESIGN MANUAL.

Project Number: AZ 2025

Engineered By: Alan E. Money

DRAWING TITLE: DESIGN CRITERIA

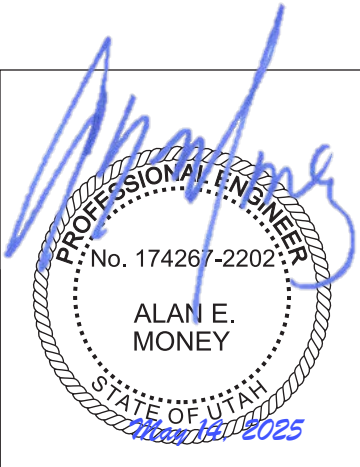
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PROJECT NAME: SUNDOWN CONDOS PHASE 2
6550 NORTH POWDER MOUNTAIN ROAD, EDEN, UT

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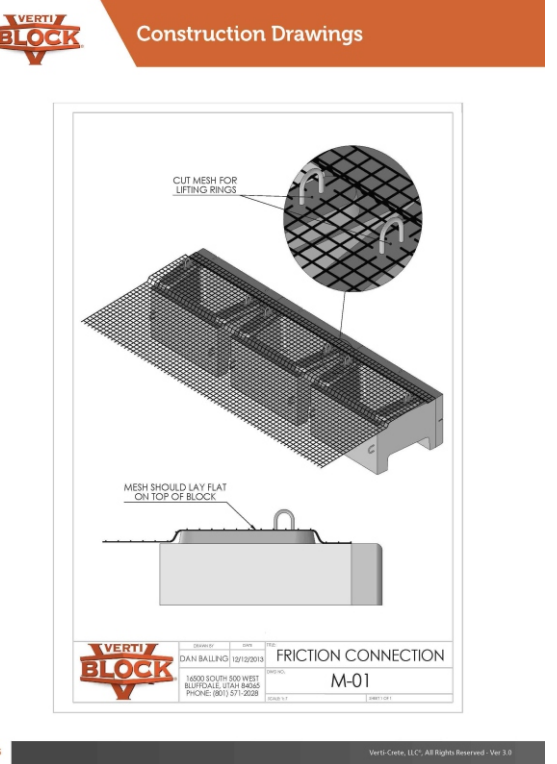
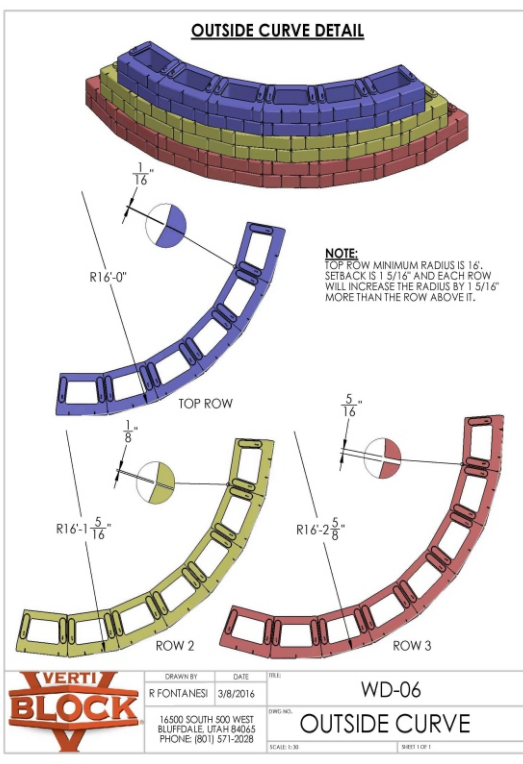
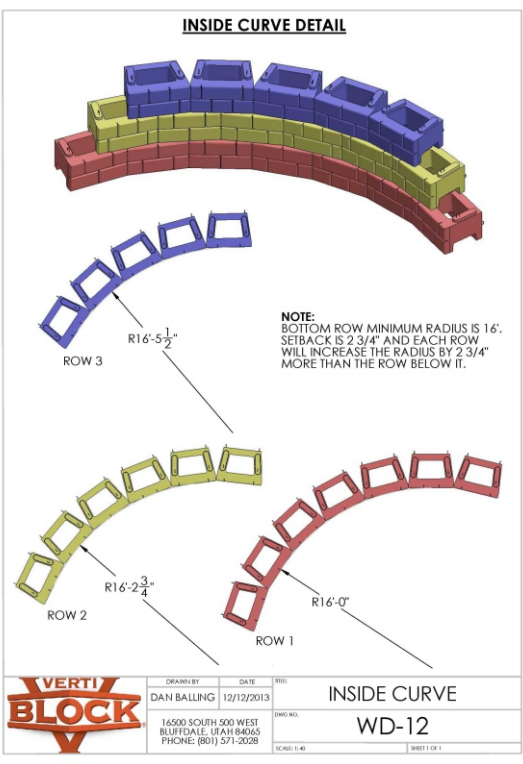
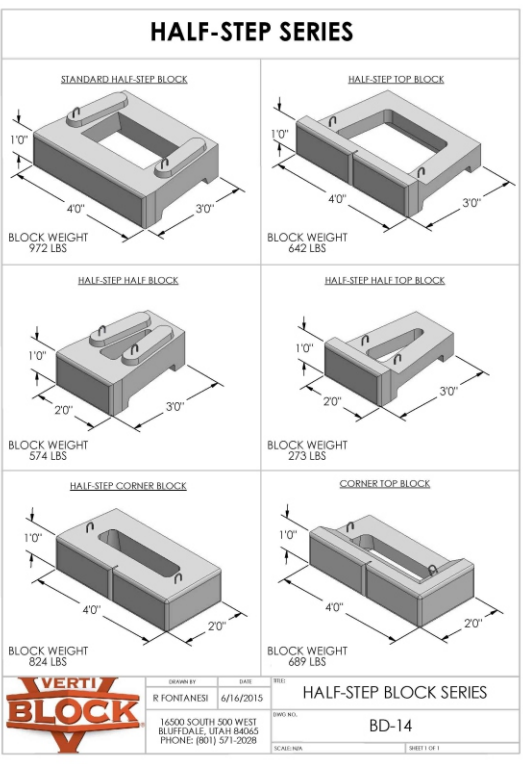
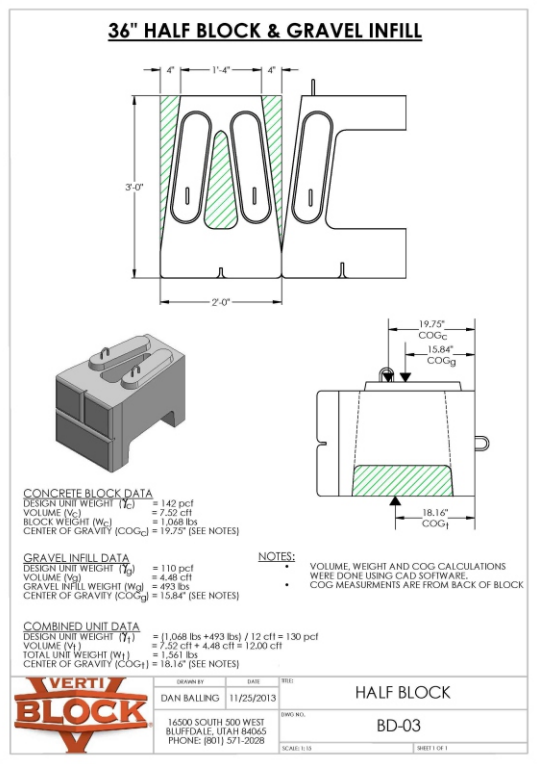
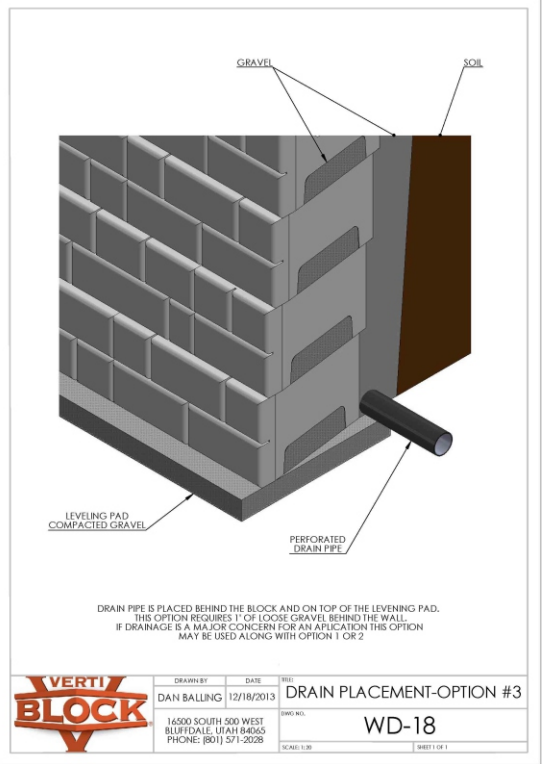
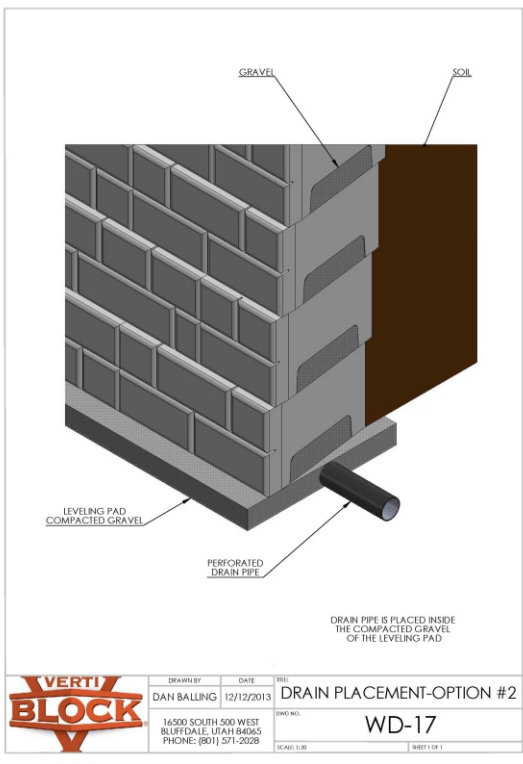
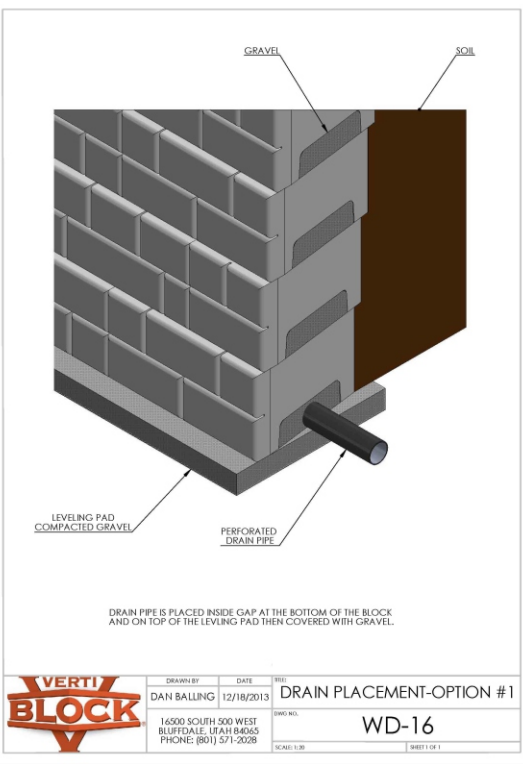
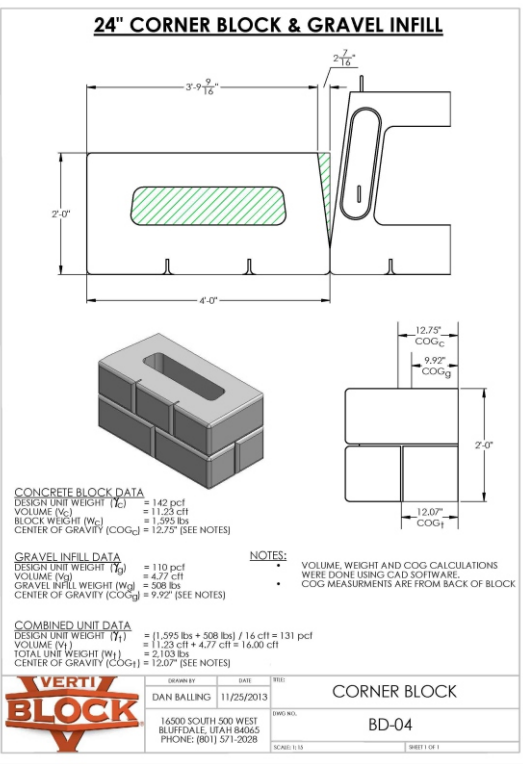
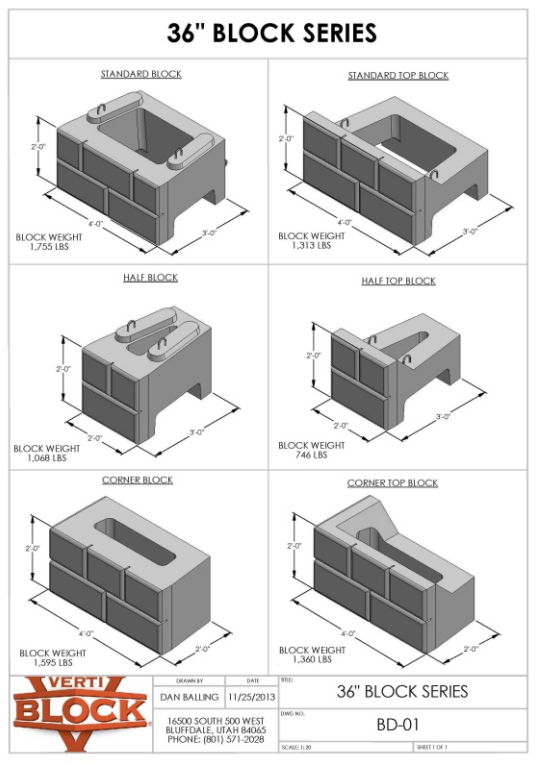
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2447 West 12th Street, Ste #1 Phone: 480 927-9696
Tempe, Arizona 85281 Fax: 480 927-9797
E-Mail: ammttec@ammtec.com www.ammttec.com

Prepared By: JAM/BMH
Reviewed By: AEM
Date: 05/14/25
Revision: N/A



Appendix A

(Materials and Specs)



Construction Drawings Shown Used From
verti-block.com/design-resources/

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Engineered By: Alan E. Money

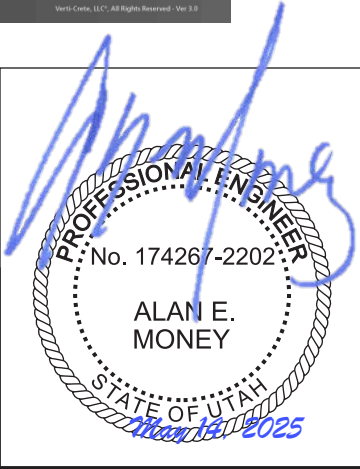
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CONSTRUCTION DRAWINGS

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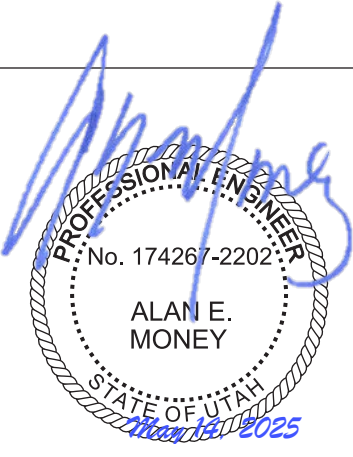
PROJECT NAME: SUNDOWN CONDOS PHASE 2
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CONSULTING ENGINEERING SERVICES
2447 West 12th Street, Ste #1
Tempe, Arizona 85281
E-Mail: ammttec@ammtec.com
Phone: 480 927-9696
Fax: 480 927-9797
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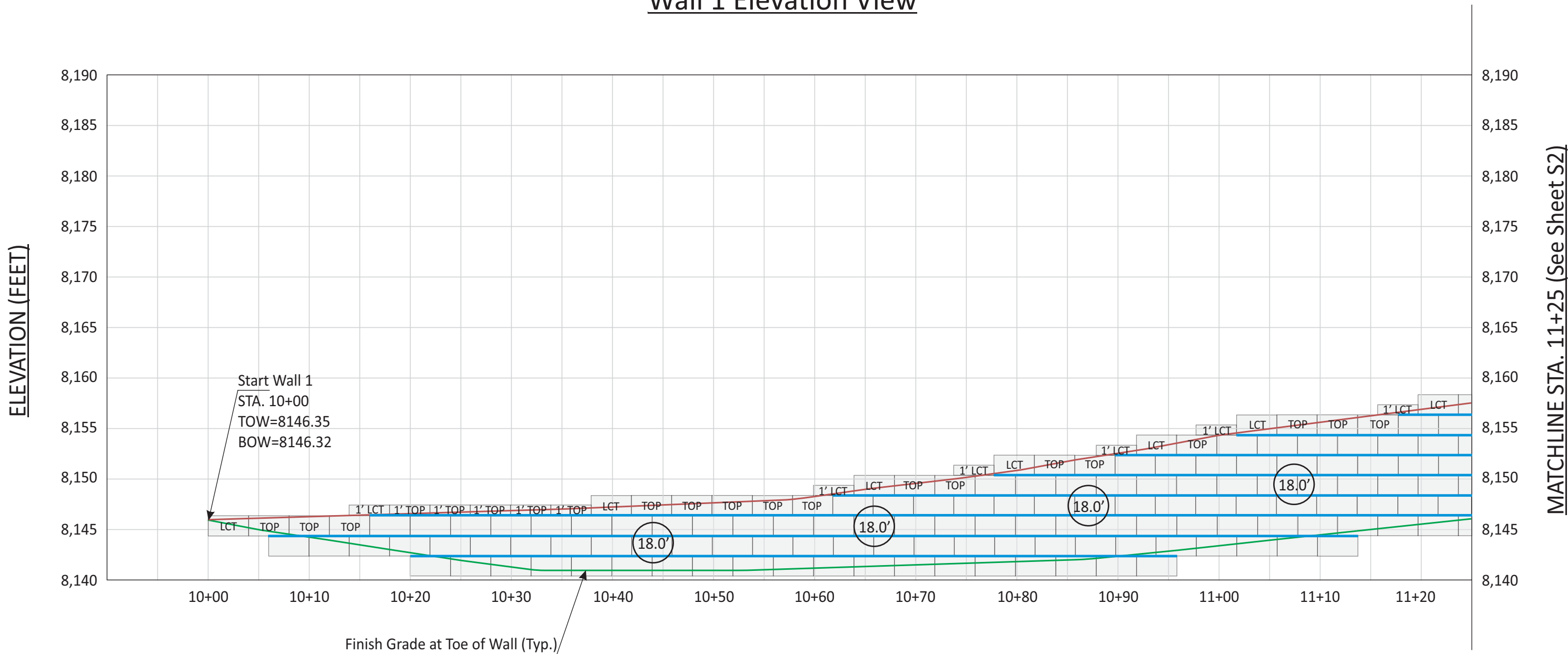
VERTI-BLOCK RETAINING WALL ESTIMATED QUANTITIES														
MATERIAL	WALL 1	WALL 2	WALL 3	WALL 4	WALL 5	WALL 6	WALL 7	WALL 8	WALL 9	WALL 10	WALL 11	WALL 12	TOTAL	10% CONTINGENCY
TOTAL VERTI-BLOCK WALL AREA	6369.85 ft ²	120.68 ft ²	3442.23 ft ²	527.92 ft ²	5918.62 ft ²	960.47 ft ²	1075.90 ft ²	801.72 ft ²	540.99 ft ²	3882.62 ft ²	4394.96 ft ²	4259.63 ft ²	32295.59 ft ²	35,525.15 ft ²
TOP VERTI-BLOCK UNITS	70	8	51	28	71	14	16	11	5	64	34	82	454	500
36-INCH VERTI-BLOCK UNITS	719	15	474	61	1217	133	154	118	42	544	697	559	4733	5207
LEFT CORNER TOP VERTI-BLOCK UNITS	21	1	20	0	23	5	10	5	2	11	14	15	127	140
RIGHT CORNER TOP VERTI-BLOCK UNITS	10	1	0	4	5	0	1	0	4	0	0	0	25	28
1-FOOT STEP TOP VERTI-BLOCK UNITS	18	0	17	7	36	14	8	10	6	37	20	49	222	245
1-FOOT LEFT CORNER TOP VERTI-BLOCK UNITS	20	0	12	1	21	5	9	5	1	11	14	15	114	126
1-FOOT RIGHT CORNER TOP VERTI-BLOCK UNITS	9	0	0	4	4	1	0	1	2	1	1	1	24	27
MIRAFI 5XT GEOGRID	8241 yd ²	0 yd ²	2963 yd ²	0 yd ²	1209 yd ²	938 yd ²	872 yd ²	530 yd ²	177 yd ²	2,470 yd ²	6,340 yd ²	110 yd ²	23,850 yd ²	26,235 yd ²
MIRAFI 8XT GEOGRID	0 yd ²	0 yd ²	0 yd ²	0 yd ²	10989 yd ²	0 yd ²	0 yd ²	0 yd ²	0 yd ²	0 yd ²	0 yd ²	4,165 yd ²	15,154 yd ²	16,670 yd ²
GRANULAR FILL FOR REINFORCED ZONE	8000 yd ³	17 yd ³	3100 yd ³	90 yd ³	14100 yd ³	1200 yd ³	1300 yd ³	650 yd ³	280 yd ³	2,900 yd ³	6,800 yd ³	6,400 yd ³	44,837 yd ³	49,321 yd ³
DRAINAGE AND INFILL GRAVEL	400 yd ³	11 yd ³	241 yd ³	41 yd ³	581 yd ³	70 yd ³	82 yd ³	62 yd ³	25 yd ³	278 yd ³	329 yd ³	297 yd ³	297 yd ³	327 yd ³
LEVELING PAD CRUSHED STONE	45 yd ³	3 yd ³	29 yd ³	13 yd ³	44 yd ³	11 yd ³	12 yd ³	8 yd ³	6 yd ³	35 yd ³	23 yd ³	46 yd ³	2,417 yd ³	2,659 yd ³
4-INCH PERFORATED DRAINAGE PIPE	582 ft	38 ft	384 ft	166 ft	586 ft	144 ft	156 ft	108 ft	72 ft	470 ft	306 ft	616 ft	3,628 ft	3,991 ft
6-OZ NON-WOVEN GEOTEXTILE FABRIC	260 yd ²	17 yd ²	171 yd ²	74 yd ²	261 yd ²	64 yd ²	70 yd ²	48 yd ²	32 yd ²	209 yd ²	136 yd ²	274 yd ²	1,616 yd ²	1,778 yd ²

Project Number: AZ 2025	DRAWING TITLE: QUANTITY ESTIMATES	SHEET NUMBER: 5	AMMTec CONSULTANTS, PLLC CONSULTING ENGINEERING SERVICES 2447 West 12th Street, Ste #1 Tempe, Arizona 85281 E-Mail: ammttec@ammtec.com Phone: 480 927-9696 Fax: 480 927-9797 www.ammttec.com	Prepared By: JAM/BMH Reviewed By: AEM Date: 05/14/25 Revision: N/A	
Engineered By: Alan E. Money					
PROJECT NAME: SUNDOWN CONDOS PHASE 2 6550 NORTH POWDER MOUNTAIN ROAD, EDEN, UT					

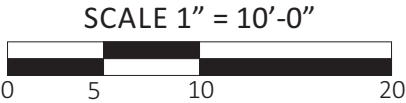
Appendix B

(Verti-Block Wall Elevations)

Wall 1 Elevation View



LCT/RCT	LEFT/RIGHT CORNER TOP BLOCK	1' LCT 1' RCT	1-FOOT LEFT/RIGHT CORNER TOP BLOCK	1' TOP	1-FOOT TALL 36-INCH TOP BLOCK		MIRAFI 8XT GEOGRID
TOP	36-INCH TOP BLOCK		36-INCH BLOCK	X.X'	GEOGRID LENGTH (MINIMUM)		MIRAFI 5XT GEOGRID
							CHANGE IN GEOGRID LENGTH/TYPE

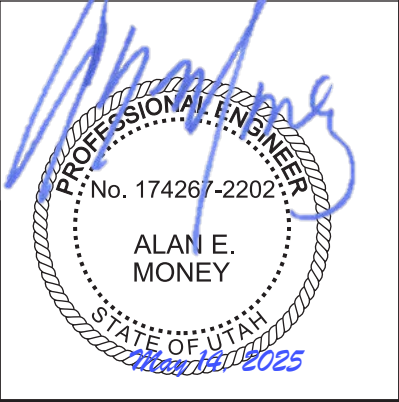


Project Number: AZ 2025	DRAWING TITLE: VERTI-BLOCK RETAINING WALLS -WALL 1 ELEVATION VIEW-	SHEET NUMBER: 6
Engineered By: Alan E. Money		
Scale: 1"=10'-0"	PROJECT NAME: SUNDOWN CONDOS PHASE 2 6550 NORTH POWDER MOUNTAIN ROAD, EDEN, UT	

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CONSULTING ENGINEERING SERVICES
2447 West 12th Street, Ste #1
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Fax: 480 927-9797
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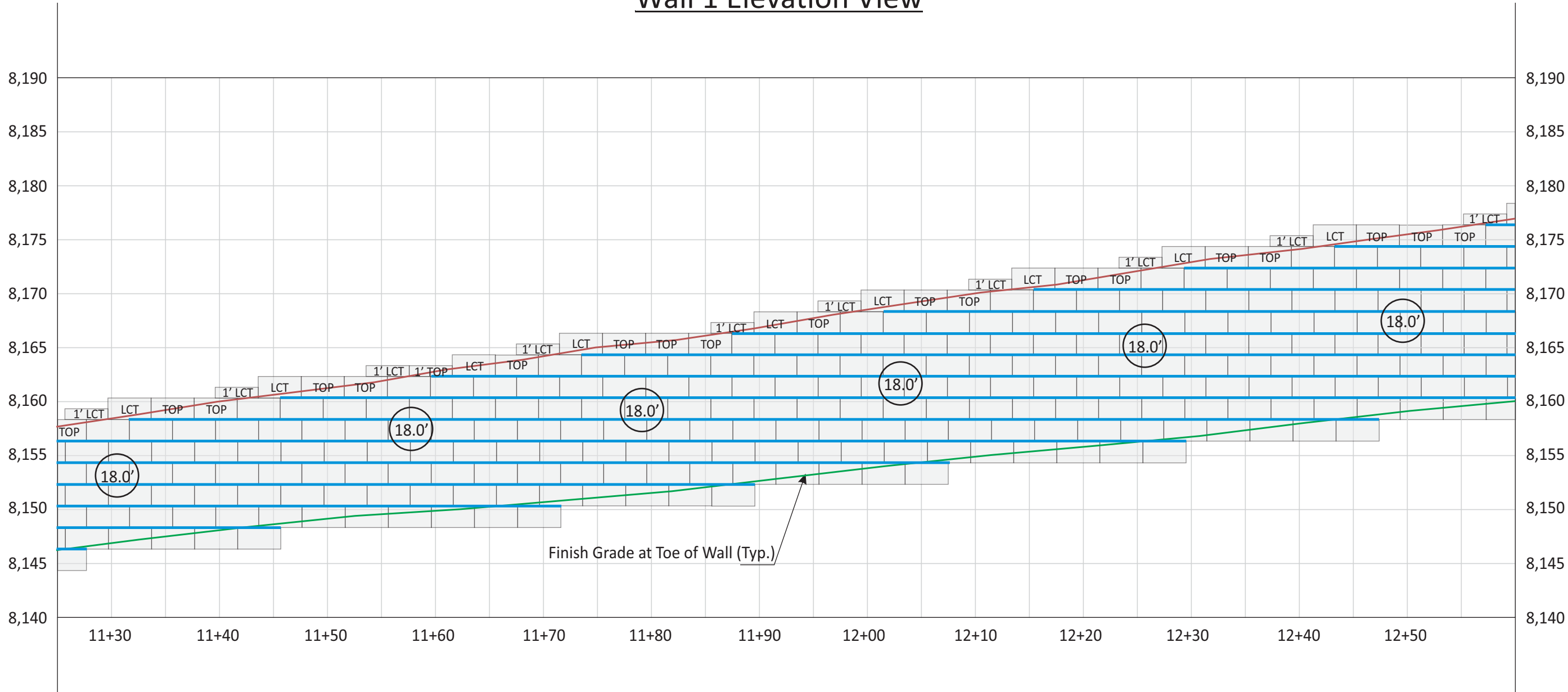
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Reviewed By: AEM
Date: 05/14/25
Revision: N/A



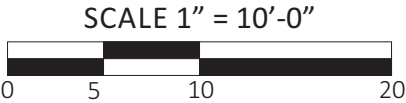
Wall 1 Elevation View

MATCHLINE STA. 11+25 (See Sheet S1)

MATCHLINE STA. 12+60 (See Sheet S3)



LCT/RCT	LEFT/RIGHT CORNER TOP BLOCK	1' LCT 1' RCT	1-FOOT LEFT/RIGHT CORNER TOP BLOCK	1' TOP	1-FOOT TALL 36-INCH TOP BLOCK		MIRAFI 8XT GEOGRID
TOP	36-INCH TOP BLOCK		36-INCH BLOCK	X.X'	GEOGRID LENGTH (MINIMUM)		MIRAFI 5XT GEOGRID
							CHANGE IN GEOGRID LENGTH/TYPE

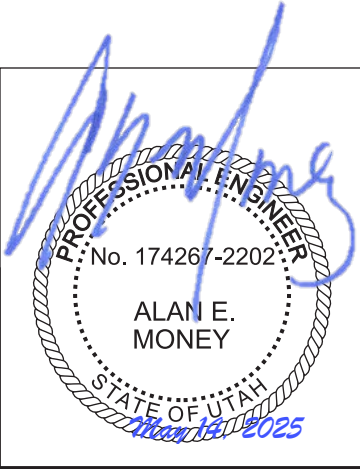


Project Number: AZ 2025	DRAWING TITLE: VERTI-BLOCK RETAINING WALLS -WALL 1 ELEVATION VIEW-	SHEET NUMBER: 7
Engineered By: Alan E. Money		
Scale: 1"=10'-0"	PROJECT NAME: SUNDOWN CONDOS PHASE 2 6550 NORTH POWDER MOUNTAIN ROAD, EDEN, UT	

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CONSULTING ENGINEERING SERVICES
2447 West 12th Street, Ste #1
Tempe, Arizona 85281
E-Mail: ammttec@ammtec.com

Phone: 480 927-9696
Fax: 480 927-9797
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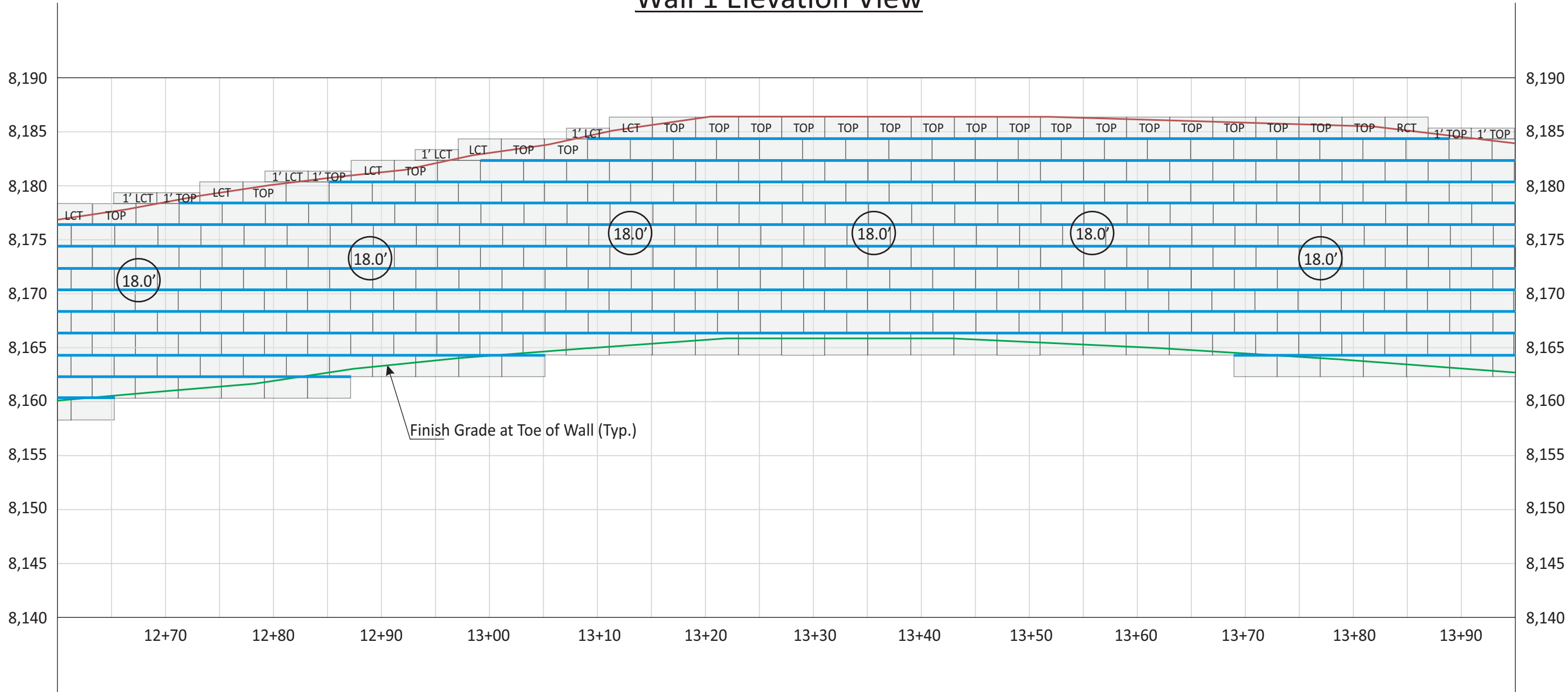
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Reviewed By: AEM
Date: 05/14/25
Revision: N/A



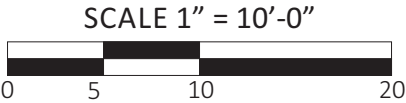
Wall 1 Elevation View

MATCHLINE STA. 12+60 (See Sheet S2)

MATCHLINE STA. 13+95 (See Sheet S4)



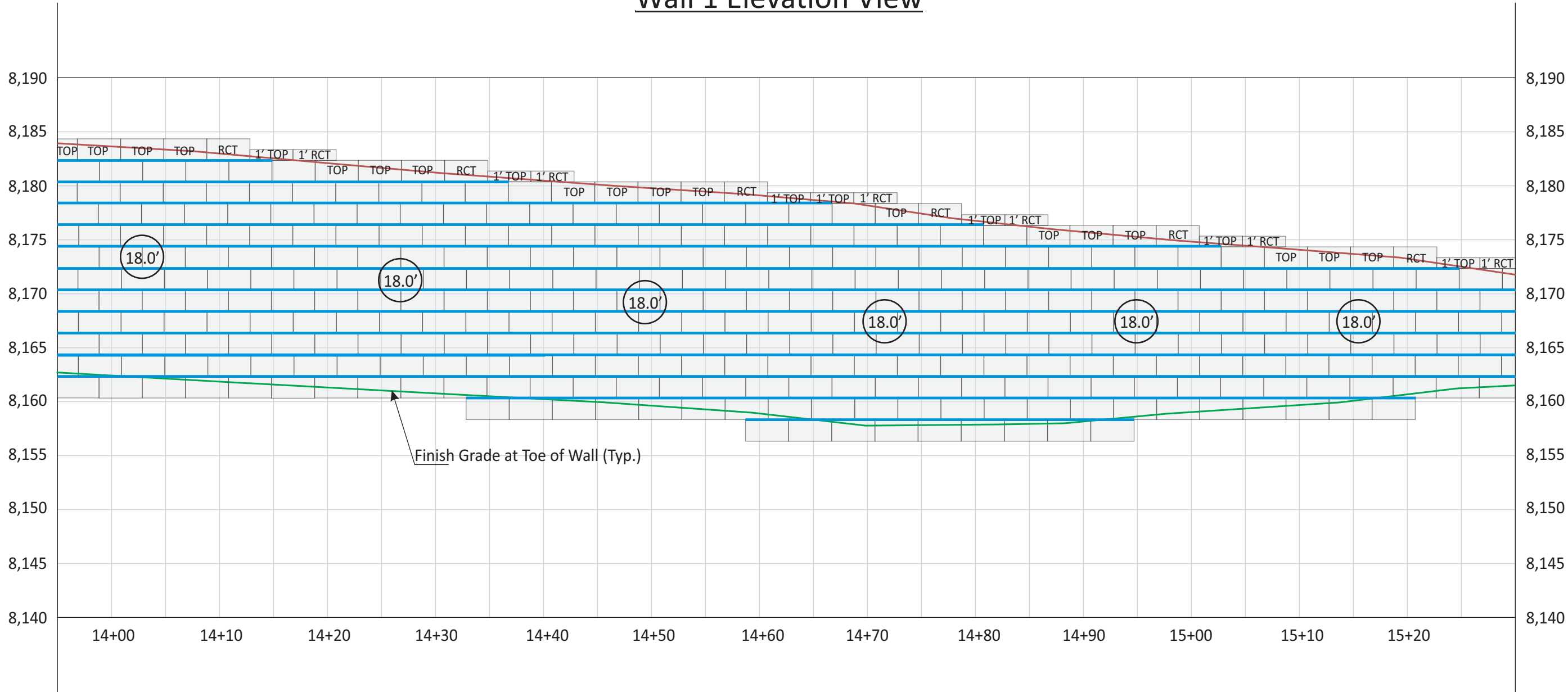
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TOP	36-INCH TOP BLOCK		36-INCH BLOCK	X.X'	GEOGRID LENGTH (MINIMUM)		MIRAFI 5XT GEOGRID
							CHANGE IN GEOGRID LENGTH/TYPE



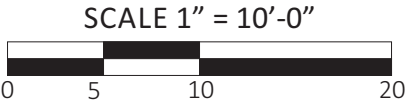
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Engineered By: Alan E. Money					
Scale: 1"=10'-0"					
PROJECT NAME: SUNDOWN CONDOS PHASE 2 6550 NORTH POWDER MOUNTAIN ROAD, EDEN, UT					

Wall 1 Elevation View

MATCHLINE STA. 13+95 (See Sheet S3)



LCT/RCT	LEFT/RIGHT CORNER TOP BLOCK	1' LCT 1' RCT	1-FOOT LEFT/RIGHT CORNER TOP BLOCK	1' TOP	1-FOOT TALL 36-INCH TOP BLOCK	MIRAFI 8XT GEOGRID
TOP	36-INCH TOP BLOCK		36-INCH BLOCK	X.X'	GEOGRID LENGTH (MINIMUM)	MIRAFI 5XT GEOGRID
						CHANGE IN GEOGRID LENGTH/TYPE



Project Number: AZ 2025	DRAWING TITLE: VERTI-BLOCK RETAINING WALLS -WALL 1 ELEVATION VIEW-	SHEET NUMBER: 9
Engineered By: Alan E. Money		
Scale: 1"=10'-0"	PROJECT NAME: SUNDOWN CONDOS PHASE 2 6550 NORTH POWDER MOUNTAIN ROAD, EDEN, UT	

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CONSULTING ENGINEERING SERVICES
2447 West 12th Street, Ste #1
Tempe, Arizona 85281
E-Mail: ammttec@ammtec.com

Phone: 480 927-9696
Fax: 480 927-9797
www.ammttec.com

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Reviewed By: AEM
Date: 05/14/25
Revision: N/A

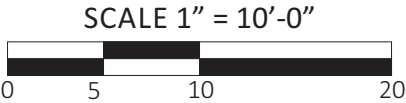
PROFESSIONAL ENGINEER
No. 174267-2202
ALAN E. MONEY
STATE OF UTAH
May 14, 2025

Wall 1 Elevation View

MATCHLINE STA. 15+30 (See Sheet S4)

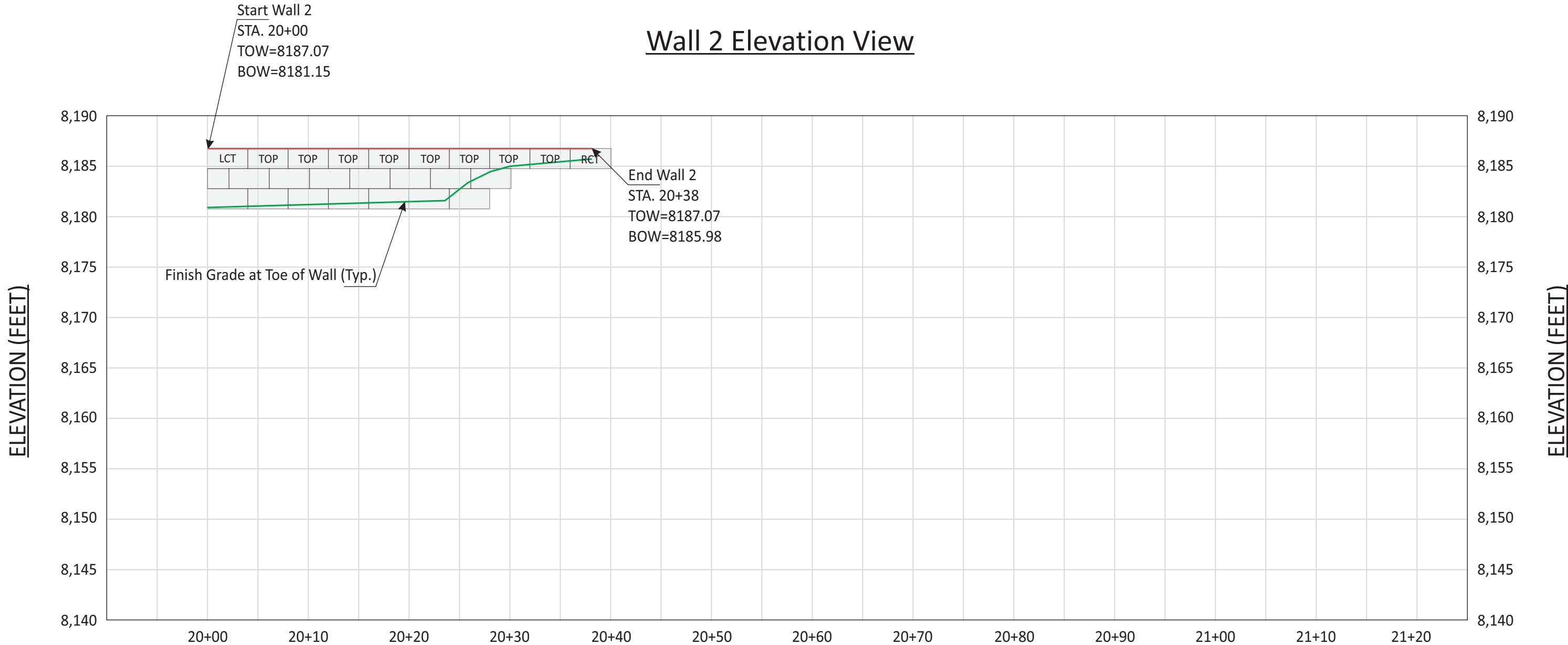


	LEFT/RIGHT CORNER TOP BLOCK		1-FOOT LEFT/RIGHT CORNER TOP BLOCK		1-FOOT TALL 36-INCH TOP BLOCK		MIRAFI 8XT GEOGRID
	36-INCH TOP BLOCK		36-INCH BLOCK		GEOGRID LENGTH (MINIMUM)		MIRAFI 5XT GEOGRID
					CHANGE IN GEOGRID LENGTH/TYPE		

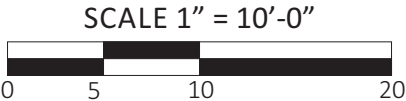


Project Number: AZ 2025	DRAWING TITLE: VERTI-BLOCK RETAINING WALLS -WALL 1 ELEVATION VIEW-	SHEET NUMBER: 10	AMMTec CONSULTANTS, PLLC <i>CONSULTING ENGINEERING SERVICES</i> 2447 West 12th Street, Ste #1 Tempe, Arizona 85281 E-Mail: ammtec@ammtec.com	Phone: 480 927-9696 Fax: 480 927-9797 www.ammtec.com	Prepared By: JAM/BMH Reviewed By: AEM Date: 05/14/25 Revision: N/A	
Engineered By: Alan E. Money						
Scale: 1"=10'-0"						
PROJECT NAME: SUNDOWN CONDOS PHASE 2 6550 NORTH POWDER MOUNTAIN ROAD, EDEN, UT						

Wall 2 Elevation View



	LEFT/RIGHT CORNER TOP BLOCK		1-FOOT LEFT/RIGHT CORNER TOP BLOCK		1-FOOT TALL 36-INCH TOP BLOCK		MIRAFI 8XT GEOGRID
	36-INCH TOP BLOCK		36-INCH BLOCK		GEOGRID LENGTH (MINIMUM)		MIRAFI 5XT GEOGRID
					CHANGE IN GEOGRID LENGTH/TYPE		



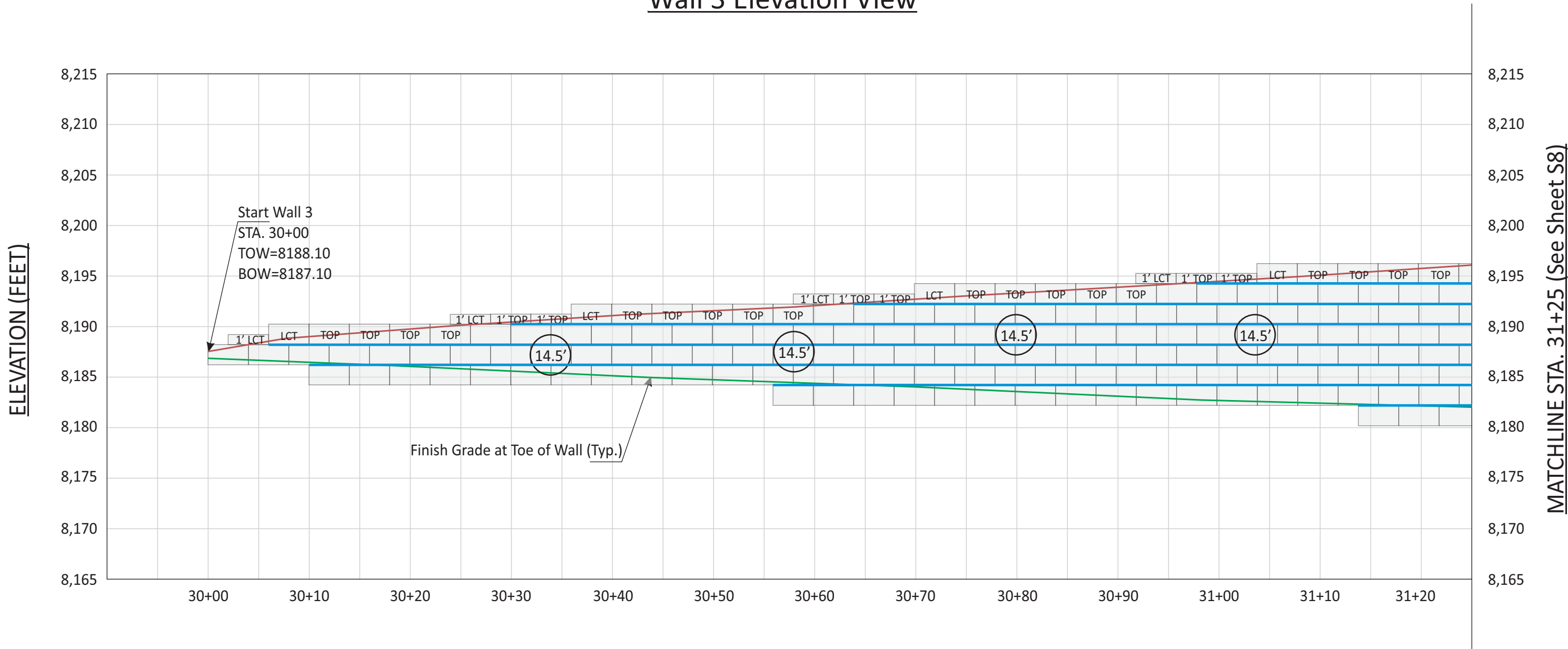
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Engineered By: Alan E. Money		
Scale: 1"=10'-0"	PROJECT NAME: SUNDOWN CONDOS PHASE 2 6550 NORTH POWDER MOUNTAIN ROAD, EDEN, UT	

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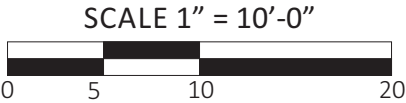
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Fax: 480 927-9797
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Prepared By: JAM/BMH
Reviewed By: AEM
Date: 05/14/25
Revision: N/A

Wall 3 Elevation View



LCT/RCT	LEFT/RIGHT CORNER TOP BLOCK	1' LCT 1' RCT	1-FOOT LEFT/RIGHT CORNER TOP BLOCK	1' TOP	1-FOOT TALL 36-INCH TOP BLOCK		MIRAFI 8XT GEOGRID
TOP	36-INCH TOP BLOCK		36-INCH BLOCK	X.X'	GEOGRID LENGTH (MINIMUM)		MIRAFI 5XT GEOGRID
							CHANGE IN GEOGRID LENGTH/TYPE

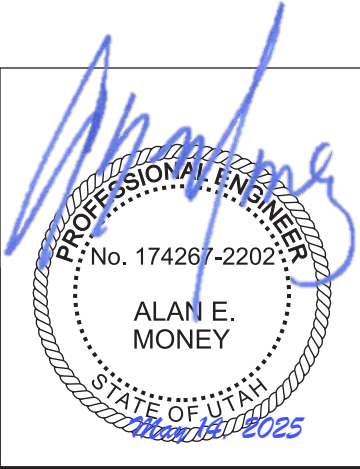


Project Number: AZ 2025	DRAWING TITLE: VERTI-BLOCK RETAINING WALLS -WALL 3 ELEVATION VIEW-	SHEET NUMBER: 12
Engineered By: Alan E. Money		
Scale: 1"=10'-0"	PROJECT NAME: SUNDOWN CONDOS PHASE 2 6550 NORTH POWDER MOUNTAIN ROAD, EDEN, UT	

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CONSULTING ENGINEERING SERVICES
2447 West 12th Street, Ste #1
Tempe, Arizona 85281
E-Mail: ammtec@ammtec.com

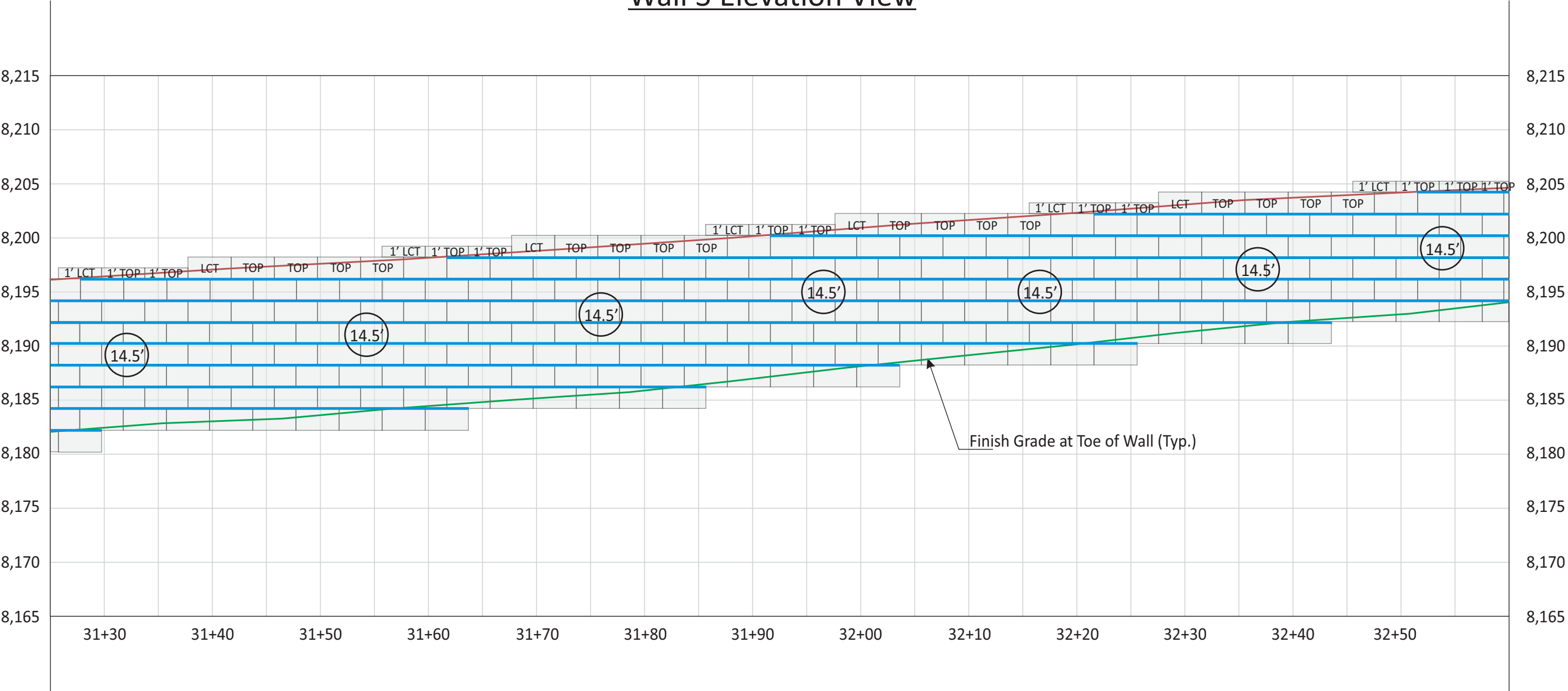
Phone: 480 927-9696
Fax: 480 927-9797
www.ammtec.com

Prepared By: JAM/BMH
Reviewed By: AEM
Date: 05/14/25
Revision: N/A



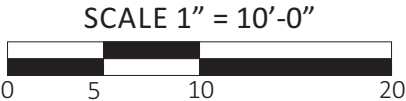
Wall 3 Elevation View

MATCHLINE STA. 31+25 (See Sheet S7)



MATCHLINE STA. 32+60 (See Sheet S9)

LCT/RCT	LEFT/RIGHT CORNER TOP BLOCK	1' LCT 1' RCT	1-FOOT LEFT/RIGHT CORNER TOP BLOCK	1' TOP	1-FOOT TALL 36-INCH TOP BLOCK		MIRAFI 8XT GEOGRID
TOP	36-INCH TOP BLOCK		36-INCH BLOCK	X.X'	GEOGRID LENGTH (MINIMUM)		MIRAFI 5XT GEOGRID
							CHANGE IN GEOGRID LENGTH/TYPE



Project Number: AZ 2025	DRAWING TITLE: VERTI-BLOCK RETAINING WALLS –WALL 3 ELEVATION VIEW–	SHEET NUMBER: 13
Engineered By: Alan E. Money		
Scale: 1”=10’-0”	PROJECT NAME: SUNDOWN CONDOS PHASE 2 6550 NORTH POWDER MOUNTAIN ROAD, EDEN, UT	

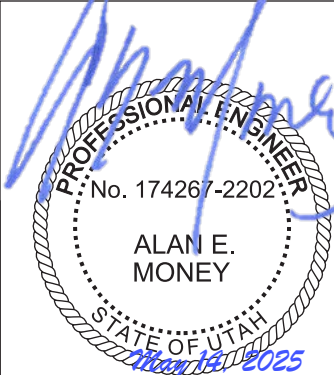
AMMTec CONSULTANTS, PLLC

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2447 West 12th Street, Ste #1
Tempe, Arizona 85281
E-Mail: ammtec@ammtec.com

Phone: 480 927-9696
Fax: 480 927-9797
www.ammtec.com

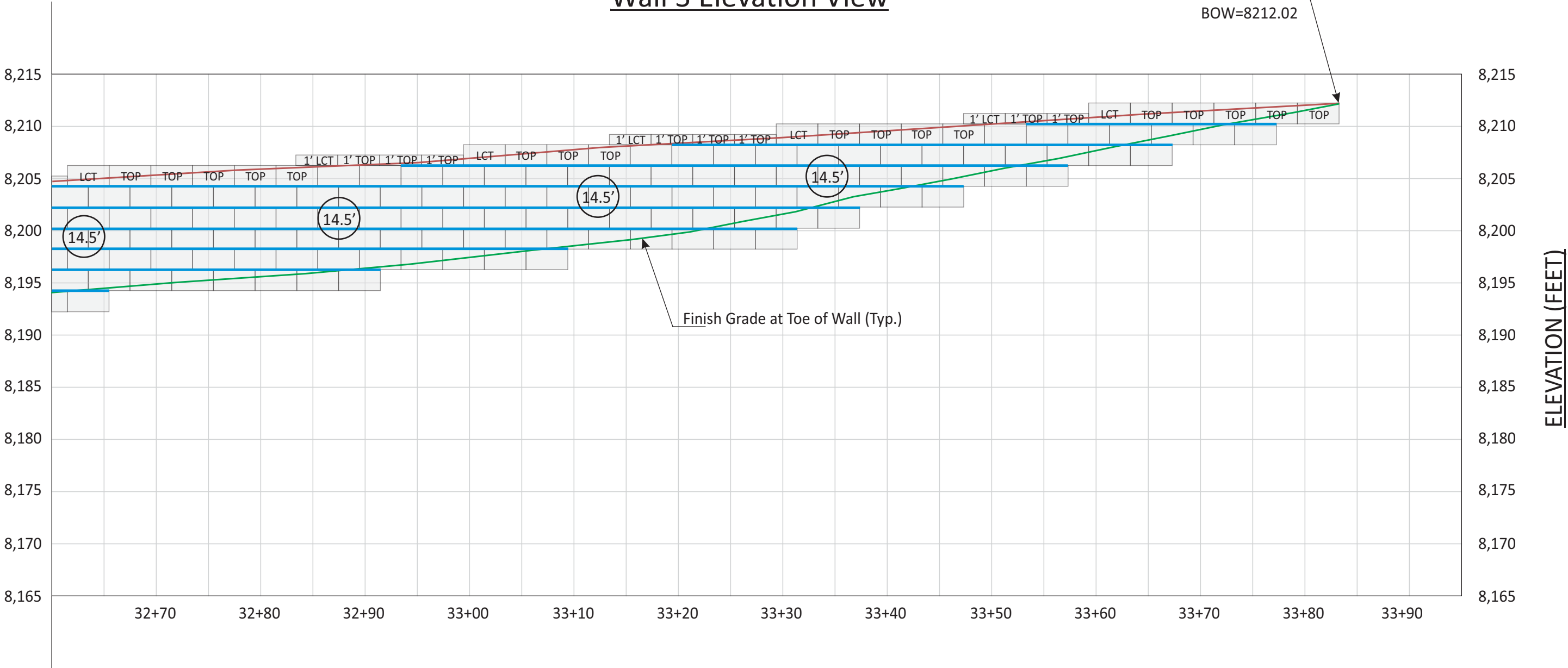
Prepared By: JAM/BMH
Reviewed By: AEM
Date: 05/14/25
Revision: N/A



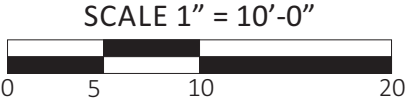
Wall 3 Elevation View

MATCHLINE STA. 32+60 (See Sheet S8)

End Wall 3
STA. 33+84
TOW=8212.02
BOW=8212.02

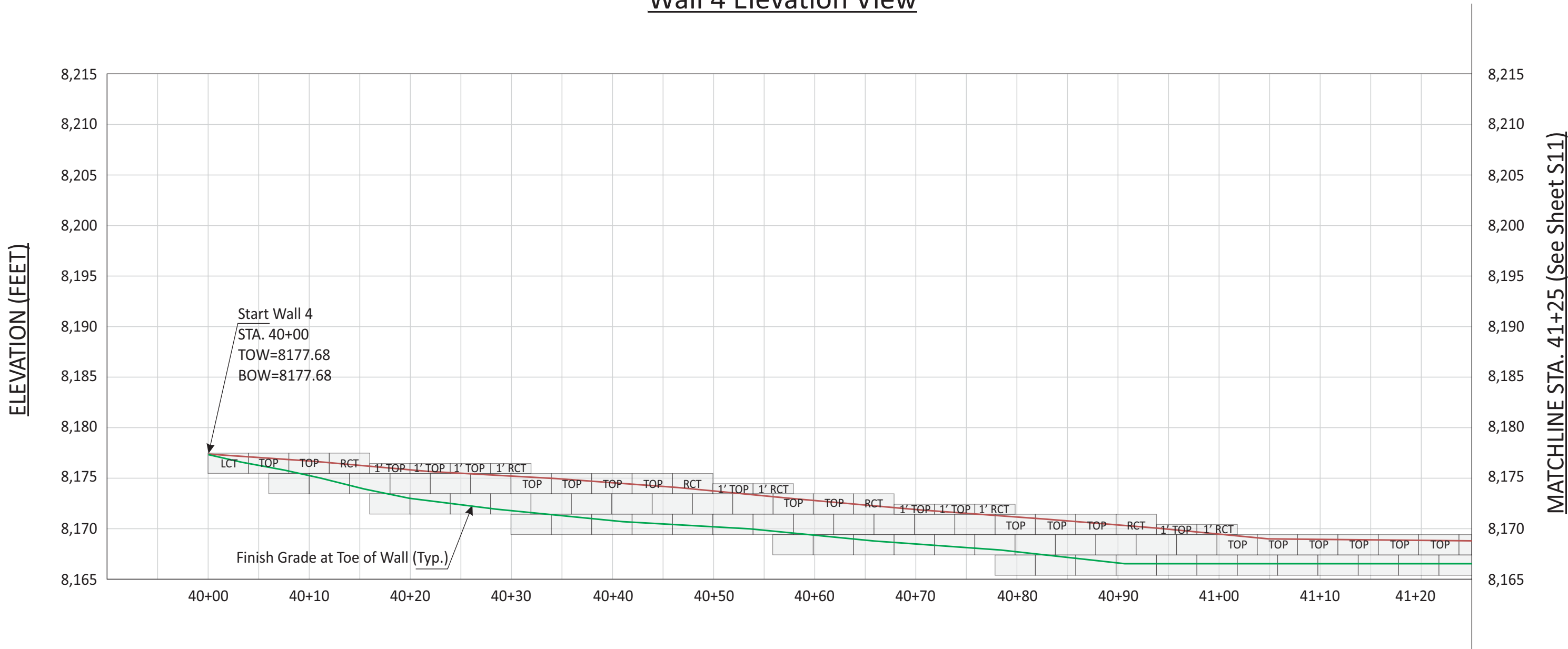


LCT/RCT	LEFT/RIGHT CORNER TOP BLOCK	1' LCT 1' RCT	1-FOOT LEFT/RIGHT CORNER TOP BLOCK	1' TOP	1-FOOT TALL 36-INCH TOP BLOCK		MIRAFI 8XT GEOGRID
TOP	36-INCH TOP BLOCK		36-INCH BLOCK	X.X'	GEOGRID LENGTH (MINIMUM)		MIRAFI 5XT GEOGRID
							CHANGE IN GEOGRID LENGTH/TYPE

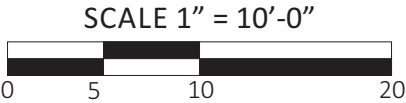


Project Number: AZ 2025	DRAWING TITLE: VERTI-BLOCK RETAINING WALLS -WALL 3 ELEVATION VIEW-	SHEET NUMBER: 14	AMMTec CONSULTANTS, PLLC CONSULTING ENGINEERING SERVICES 2447 West 12th Street, Ste #1 Tempe, Arizona 85281 E-Mail: ammttec@ammtec.com Phone: 480 927-9696 Fax: 480 927-9797 www.ammttec.com	Prepared By: JAM/BMH Reviewed By: AEM Date: 05/14/25 Revision: N/A	PROFESSIONAL ENGINEER No. 174267-2202 ALAN E. MONEY STATE OF UTAH 2025
Engineered By: Alan E. Money					
Scale: 1"=10'-0"					
PROJECT NAME: SUNDOWN CONDOS PHASE 2 6550 NORTH POWDER MOUNTAIN ROAD, EDEN, UT					

Wall 4 Elevation View



LCT/RCT	LEFT/RIGHT CORNER TOP BLOCK	1' LCT 1' RCT	1-FOOT LEFT/RIGHT CORNER TOP BLOCK	1' TOP	1-FOOT TALL 36-INCH TOP BLOCK	MIRAFI 8XT GEOGRID
TOP	36-INCH TOP BLOCK		36-INCH BLOCK	X.X'	GEOGRID LENGTH (MINIMUM)	MIRAFI 5XT GEOGRID
						CHANGE IN GEOGRID LENGTH/TYPE



Project Number: AZ 2025	DRAWING TITLE: VERTI-BLOCK RETAINING WALLS -WALL 4 ELEVATION VIEW-	SHEET NUMBER: 15
Engineered By: Alan E. Money		
Scale: 1"=10'-0"	PROJECT NAME: SUNDOWN CONDOS PHASE 2 6550 NORTH POWDER MOUNTAIN ROAD, EDEN, UT	

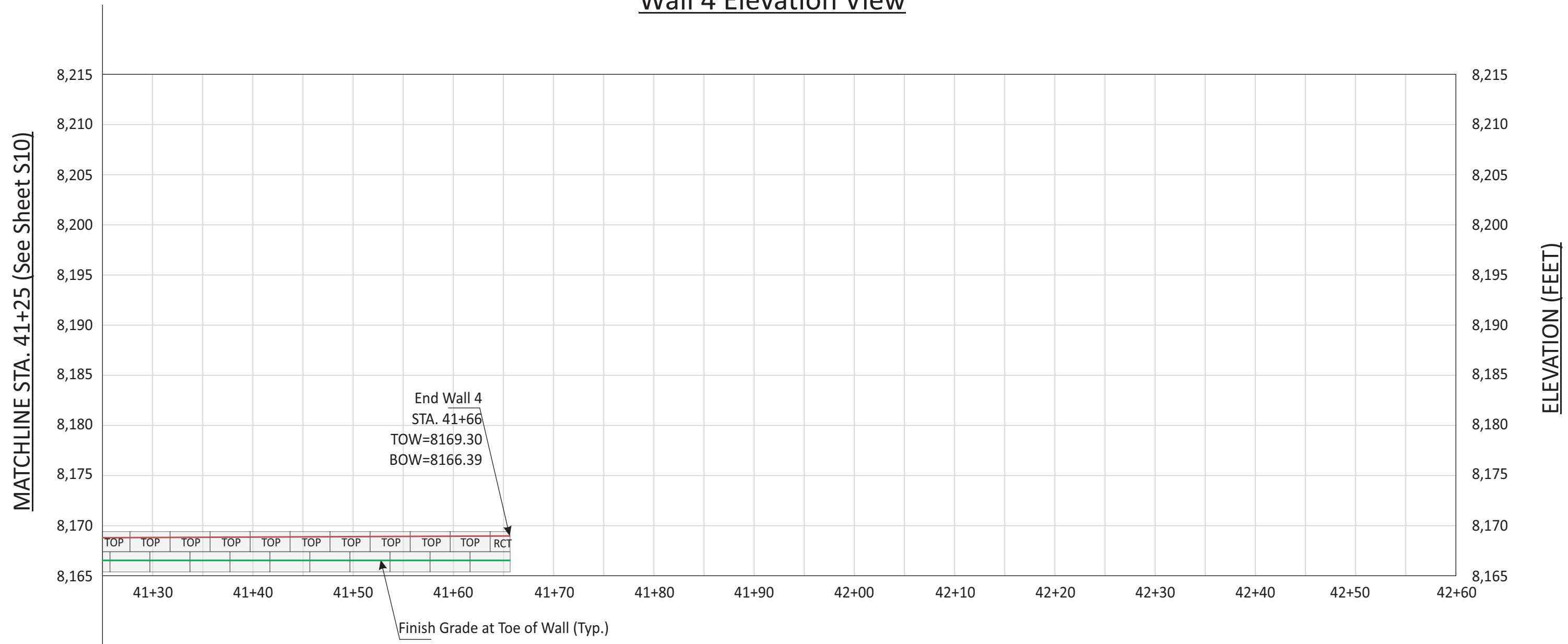
AMMTec CONSULTANTS, PLLC
CONSULTING ENGINEERING SERVICES
2447 West 12th Street, Ste #1
Tempe, Arizona 85281
E-Mail: ammtec@ammtec.com

Phone: 480 927-9696
Fax: 480 927-9797
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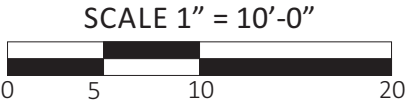
Prepared By: JAM/BMH
Reviewed By: AEM
Date: 05/14/25
Revision: N/A

ALAN E. MONEY
May 14, 2025

Wall 4 Elevation View



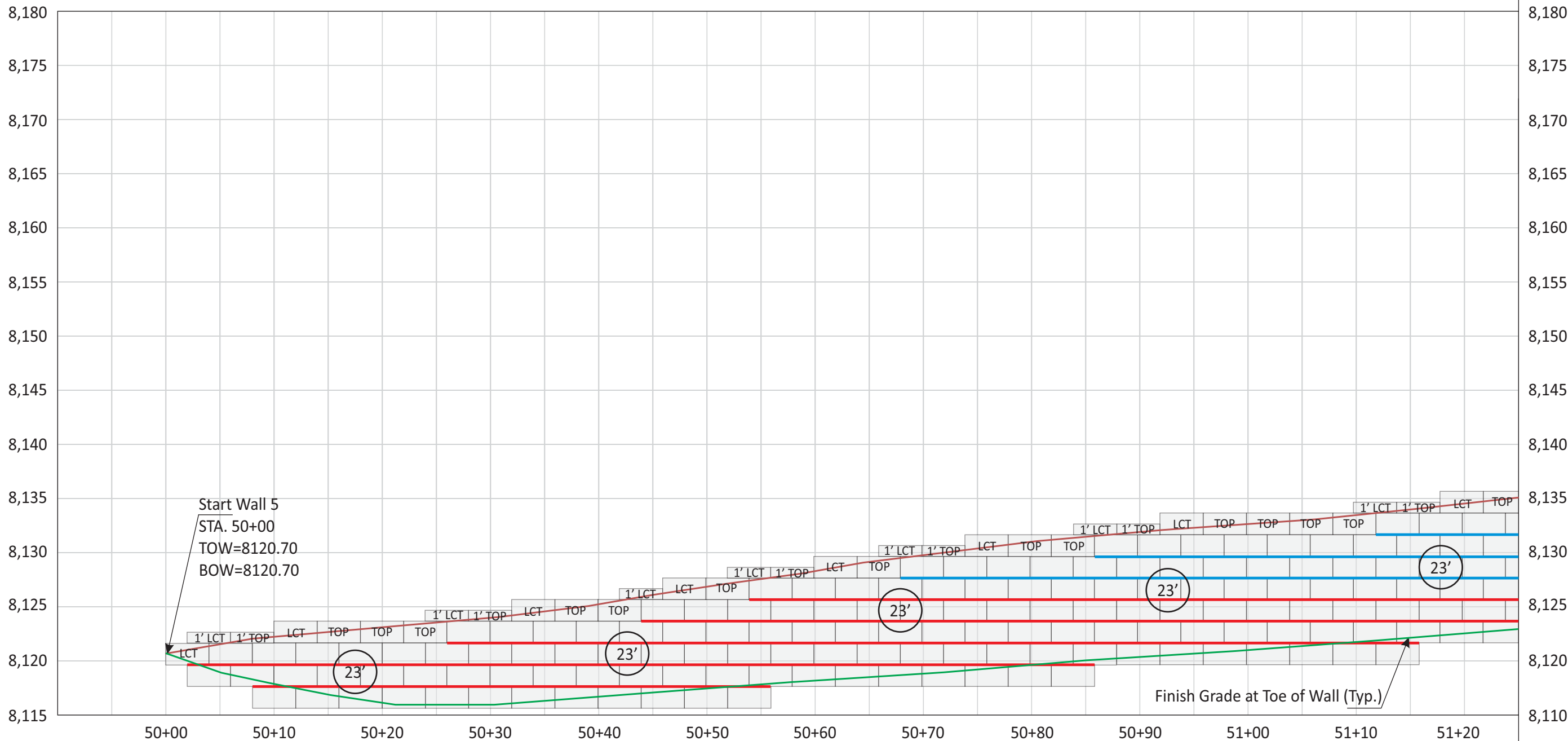
LCT/RCT	LEFT/RIGHT CORNER TOP BLOCK	1' LCT 1' RCT	1-FOOT LEFT/RIGHT CORNER TOP BLOCK	1' TOP	1-FOOT TALL 36-INCH TOP BLOCK		MIRAFI 8XT GEOGRID
TOP	36-INCH TOP BLOCK		36-INCH BLOCK	X.X'	GEOGRID LENGTH (MINIMUM)		MIRAFI 5XT GEOGRID
					CHANGE IN GEOGRID LENGTH/TYPE		



Project Number: AZ 2025	DRAWING TITLE: VERTI-BLOCK RETAINING WALLS –WALL 4 ELEVATION VIEW–	SHEET NUMBER: 16	AMMTec CONSULTANTS, PLLC CONSULTING ENGINEERING SERVICES 2447 West 12th Street, Ste #1 Tempe, Arizona 85281 E-Mail: ammtec@ammtec.com Phone: 480 927-9696 Fax: 480 927-9797 www.ammtec.com		Prepared By: JAM/BMH Reviewed By: AEM Date: 05/14/25 Revision: N/A	
Engineered By: Alan E. Money						
Scale: 1"=10'-0"						
PROJECT NAME: SUNDOWN CONDOS PHASE 2 6550 NORTH POWDER MOUNTAIN ROAD, EDEN, UT						

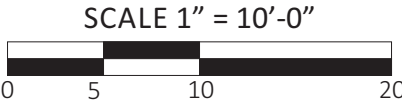
Wall 5 Elevation View

ELEVATION (FEET)



MATCHLINE STA. 51+25 (See Sheet S13)

LCT/RCT	LEFT/RIGHT CORNER TOP BLOCK	1' LCT 1' RCT	1-FOOT LEFT/RIGHT CORNER TOP BLOCK	1' TOP	1-FOOT TALL 36-INCH TOP BLOCK		MIRAFI 8XT GEOGRID
TOP	36-INCH TOP BLOCK		36-INCH BLOCK	X.X'	GEOGRID LENGTH (MINIMUM)		MIRAFI 5XT GEOGRID
							CHANGE IN GEOGRID LENGTH/TYPE

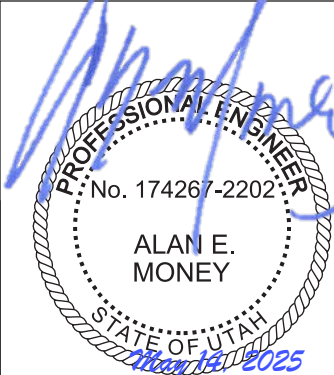


Project Number: AZ 2025	DRAWING TITLE: VERTI-BLOCK RETAINING WALLS –WALL 5 ELEVATION VIEW–	SHEET NUMBER: 17
Engineered By: Alan E. Money		
Scale: 1"=10'-0"	PROJECT NAME: SUNDOWN CONDOS PHASE 2 6550 NORTH POWDER MOUNTAIN ROAD, EDEN, UT	

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Phone: 480 927-9696
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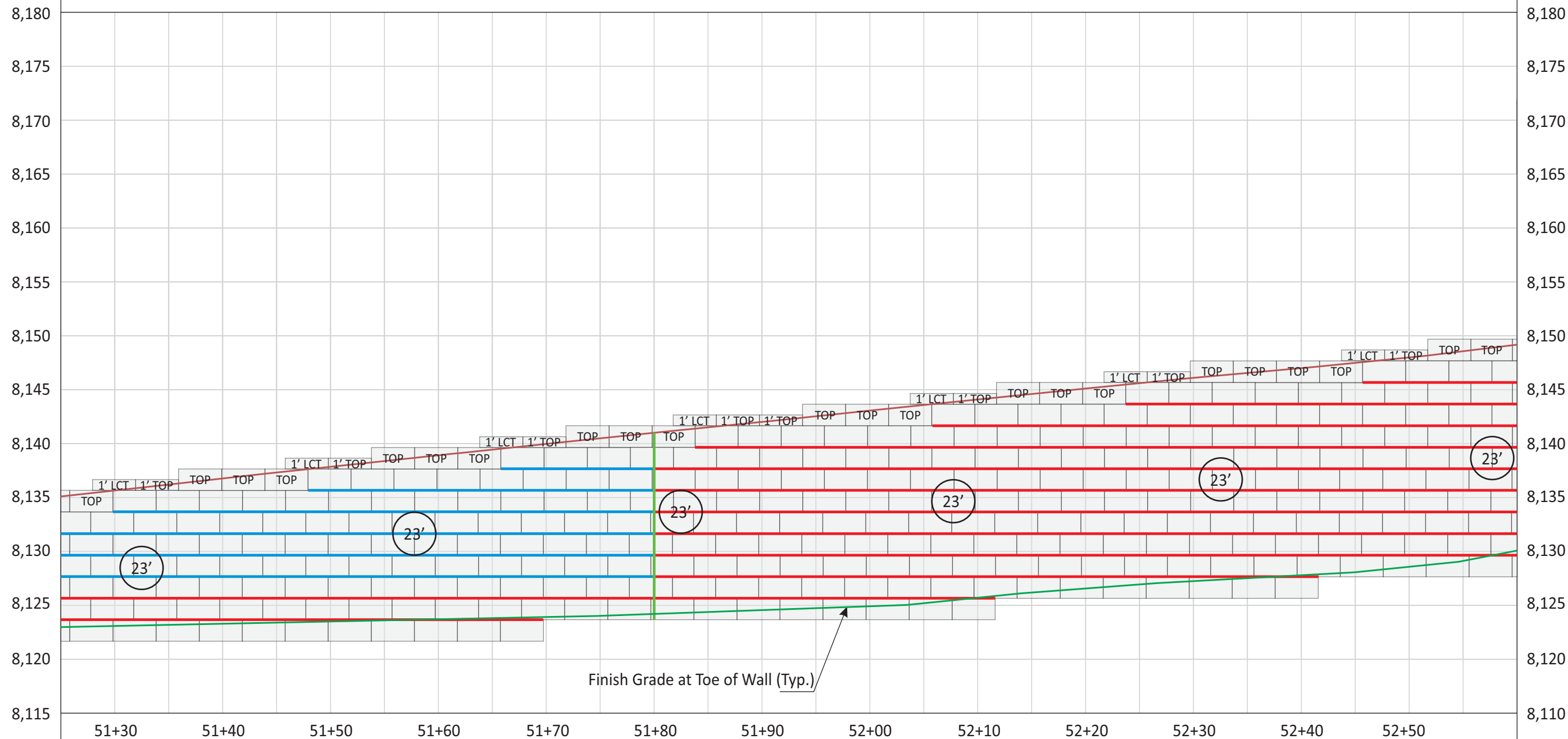
Prepared By: JAM/BMH
Reviewed By: AEM
Date: 05/14/25
Revision: N/A



Wall 5 Elevation View

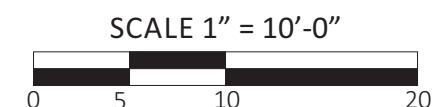
MATCHLINE STA. 51+25 (See Sheet S12)

MATCHLINE STA. 52+60 (See Sheet S14)



Finish Grade at Toe of Wall (Typ.)

LCT/RCT	LEFT/RIGHT CORNER TOP BLOCK	1' LCT 1' RCT	1-FOOT LEFT/RIGHT CORNER TOP BLOCK	1' TOP	1-FOOT TALL 36-INCH TOP BLOCK	MIRAFI 8XT GEOGRID
TOP	36-INCH TOP BLOCK		36-INCH BLOCK	X.X'	GEOGRID LENGTH (MINIMUM)	MIRAFI 5XT GEOGRID
					CHANGE IN GEOGRID LENGTH/TYPE	



Project Number: AZ 2025

Engineered By: Alan E. Money

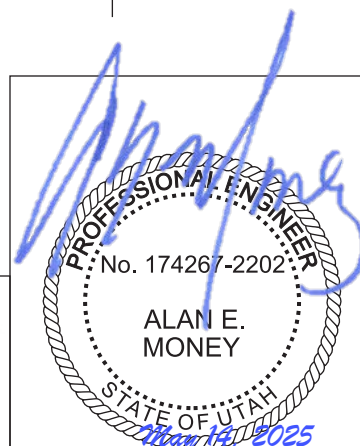
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DRAWING TITLE: VERTI-BLOCK RETAINING WALLS
-WALL 5 ELEVATION VIEW-

SHEET NUMBER:
18

PROJECT NAME: SUNDOWN CONDOS PHASE 2
6550 NORTH POWDER MOUNTAIN ROAD, EDEN, UT

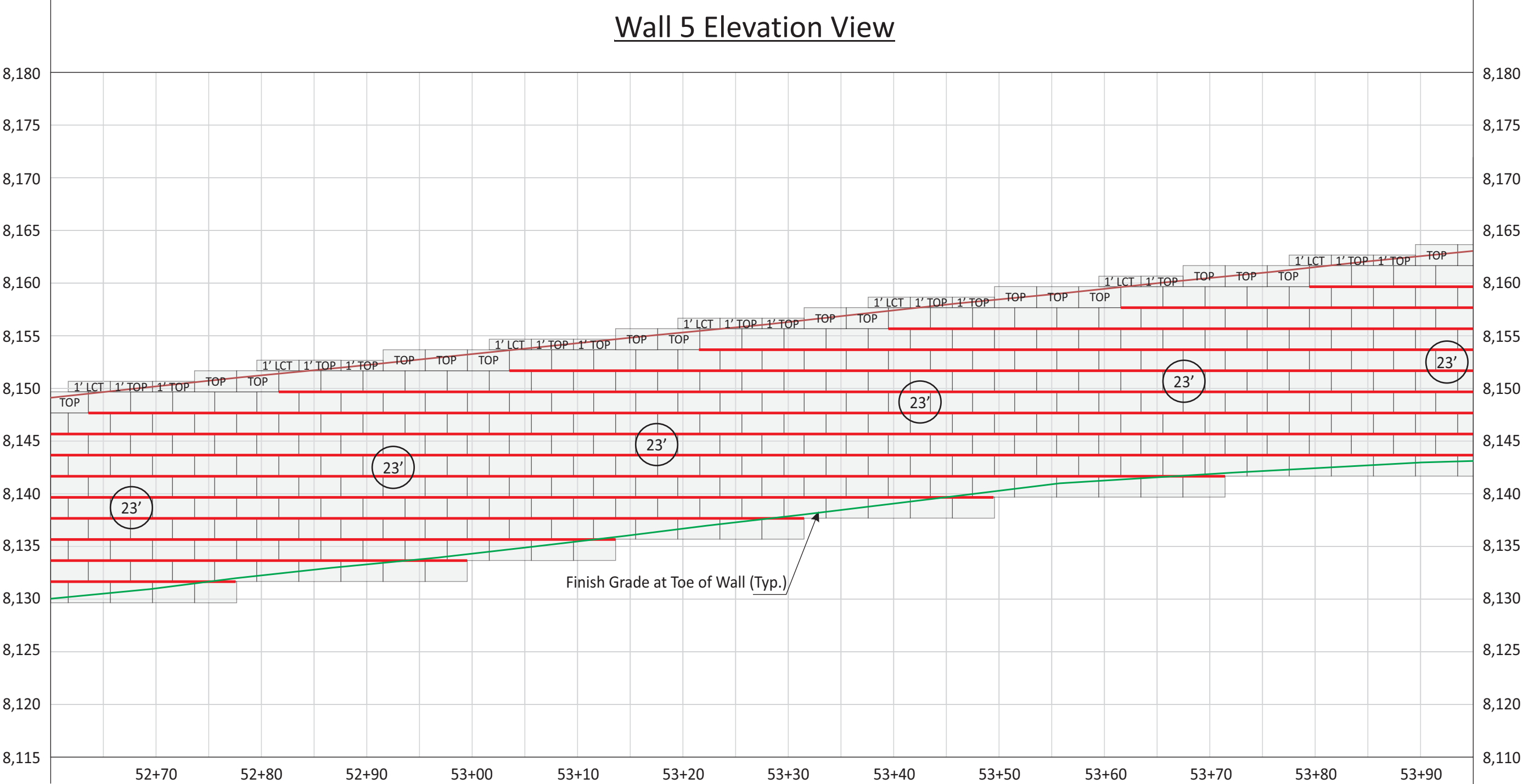
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2447 West 12th Street, Ste #1
Tempe, Arizona 85281
E-Mail: ammtec@ammtec.com
Phone: 480 927-9696
Fax: 480 927-9797
www.ammtec.com
Prepared By: JAM/BMH
Reviewed By: AEM
Date: 05/14/25
Revision: N/A

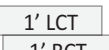
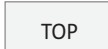
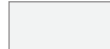


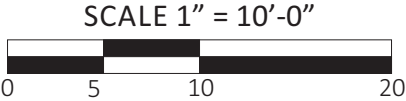
Wall 5 Elevation View

MATCHLINE STA. 52+60 (See Sheet S13)

MATCHLINE STA. 53+95 (See Sheet S15)



 LEFT/RIGHT CORNER TOP BLOCK	 1-FOOT LEFT/RIGHT CORNER TOP BLOCK	 1-FOOT TALL 36-INCH TOP BLOCK	 MIRAFI 8XT GEOGRID
 36-INCH TOP BLOCK	 36-INCH BLOCK	 GEOGRID LENGTH (MINIMUM)	 MIRAFI 5XT GEOGRID
		 CHANGE IN GEOGRID LENGTH/TYPE	

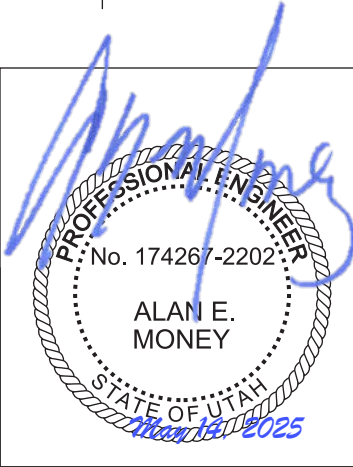


Project Number: AZ 2025	DRAWING TITLE: VERTI-BLOCK RETAINING WALLS -WALL 5 ELEVATION VIEW-	SHEET NUMBER: 19
Engineered By: Alan E. Money		
Scale: 1"=10'-0"	PROJECT NAME: SUNDOWN CONDOS PHASE 2 6550 NORTH POWDER MOUNTAIN ROAD, EDEN, UT	

AMMTec CONSULTANTS, PLLC
CONSULTING ENGINEERING SERVICES
2447 West 12th Street, Ste #1
Tempe, Arizona 85281
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Phone: 480 927-9696
Fax: 480 927-9797
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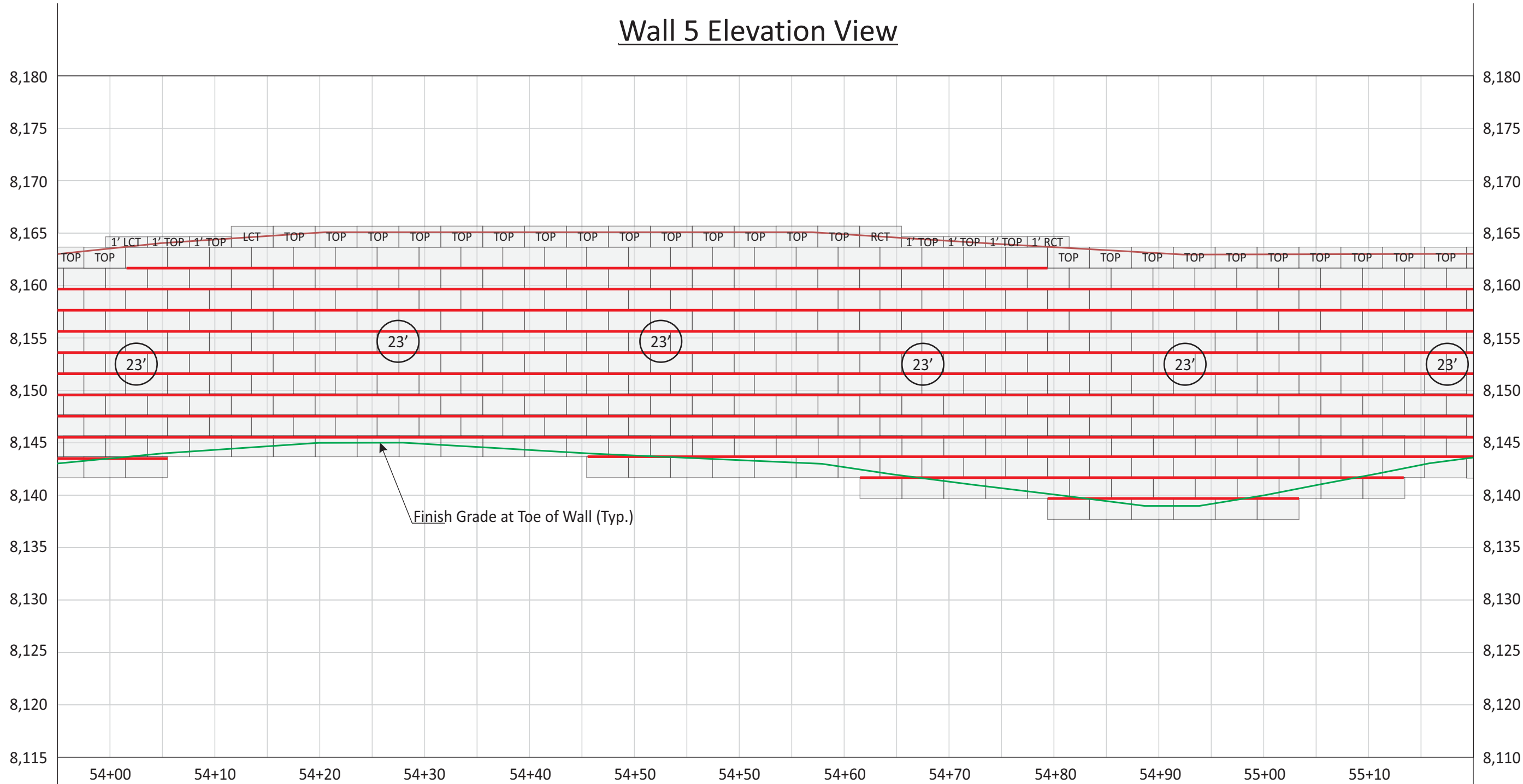
Prepared By: JAM/BMH
Reviewed By: AEM
Date: 05/14/25
Revision: N/A



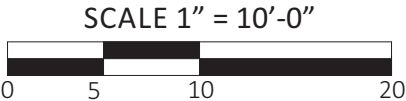
Wall 5 Elevation View

MATCHLINE STA. 53+95 (See Sheet S14)

MATCHLINE STA. 55+20 (See Sheet S16)



LCT/RCT	LEFT/RIGHT CORNER TOP BLOCK	1' LCT 1' RCT	1-FOOT LEFT/RIGHT CORNER TOP BLOCK	1' TOP	1-FOOT TALL 36-INCH TOP BLOCK	MIRAFI 8XT GEOGRID
TOP	36-INCH TOP BLOCK		36-INCH BLOCK	X.X'	GEOGRID LENGTH (MINIMUM)	MIRAFI 5XT GEOGRID
						CHANGE IN GEOGRID LENGTH/TYPE

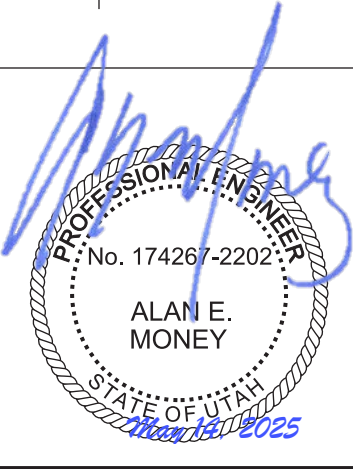


Project Number: AZ 2025	DRAWING TITLE: VERTI-BLOCK RETAINING WALLS -WALL 5 ELEVATION VIEW-	SHEET NUMBER: 20
Engineered By: Alan E. Money		
Scale: 1"=10'-0"	PROJECT NAME: SUNDOWN CONDOS PHASE 2 6550 NORTH POWDER MOUNTAIN ROAD, EDEN, UT	

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2447 West 12th Street, Ste #1
Tempe, Arizona 85281
E-Mail: ammttec@ammtec.com

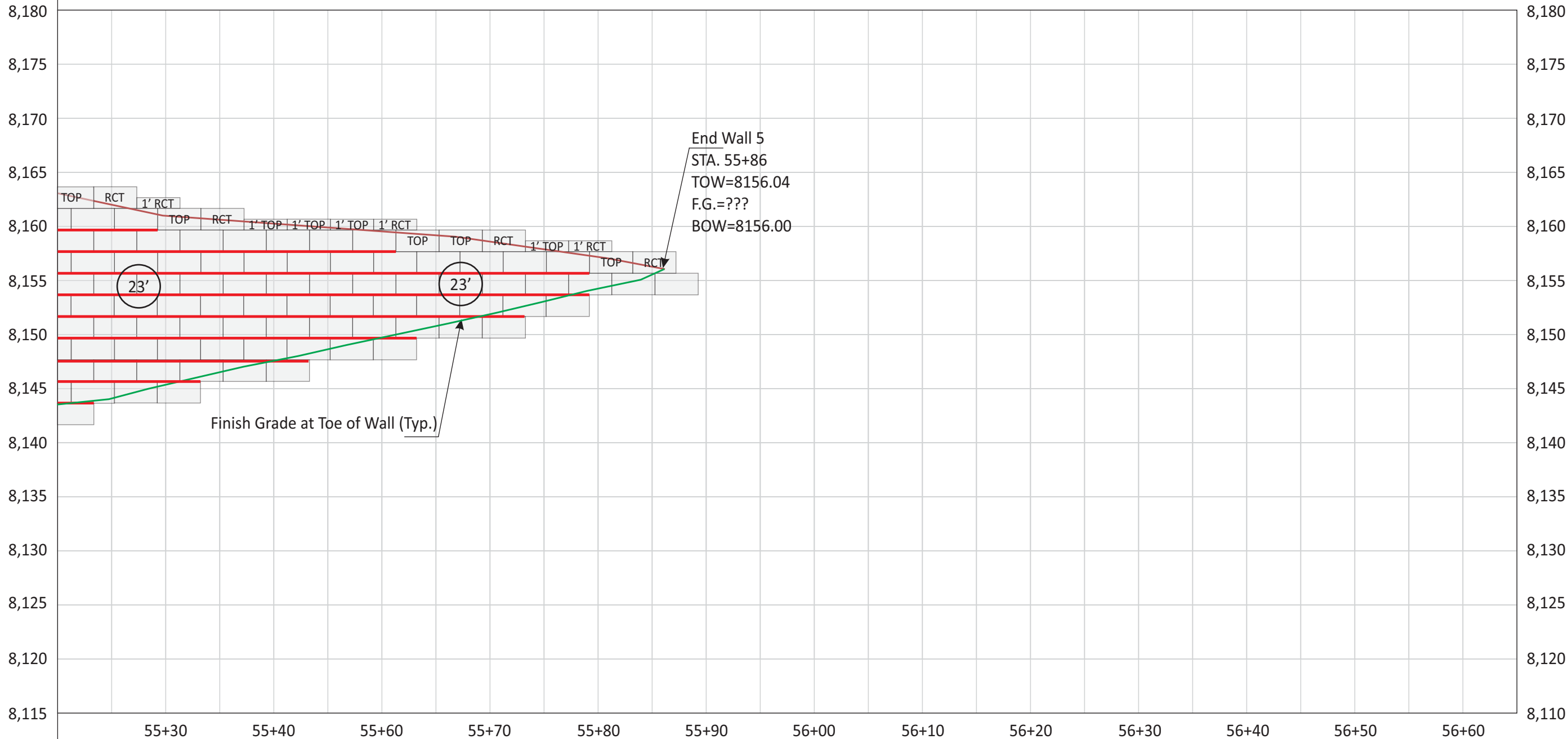
Phone: 480 927-9696
Fax: 480 927-9797
www.ammttec.com

Prepared By: JAM/BMH
Reviewed By: AEM
Date: 05/14/25
Revision: N/A

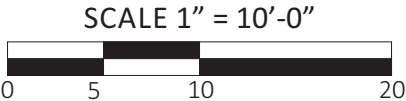


Wall 5 Elevation View

MATCHLINE STA. 55+20 (See Sheet S16)



LCT/RCT	LEFT/RIGHT CORNER TOP BLOCK	1' LCT 1' RCT	1-FOOT LEFT/RIGHT CORNER TOP BLOCK	1' TOP	1-FOOT TALL 36-INCH TOP BLOCK		MIRAFI 8XT GEOGRID
TOP	36-INCH TOP BLOCK		36-INCH BLOCK	X.X'	GEOGRID LENGTH (MINIMUM)		MIRAFI 5XT GEOGRID
							CHANGE IN GEOGRID LENGTH/TYPE

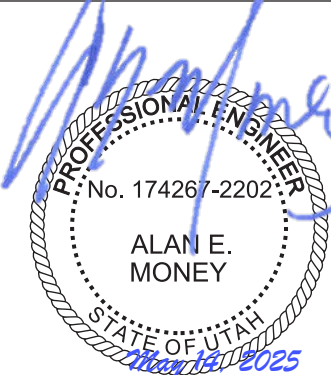


Project Number: AZ 2025	DRAWING TITLE: VERTI-BLOCK RETAINING WALLS -WALL 5 ELEVATION VIEW-	SHEET NUMBER: 21
Engineered By: Alan E. Money		
Scale: 1"=10'-0"	PROJECT NAME: SUNDOWN CONDOS PHASE 2 6550 NORTH POWDER MOUNTAIN ROAD, EDEN, UT	

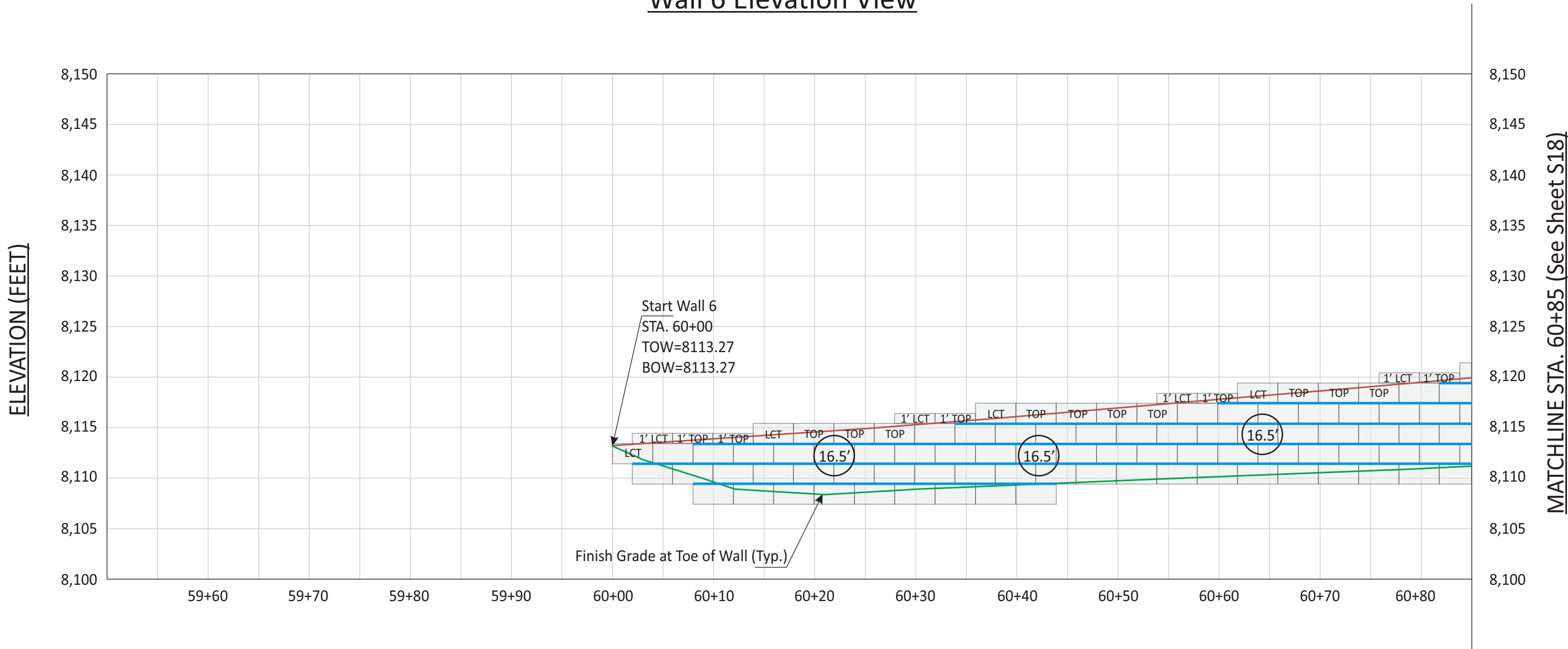
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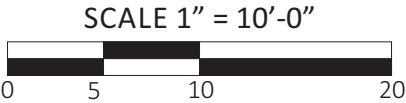
Prepared By: JAM/BMH
Reviewed By: AEM
Date: 05/14/25
Revision: N/A



Wall 6 Elevation View



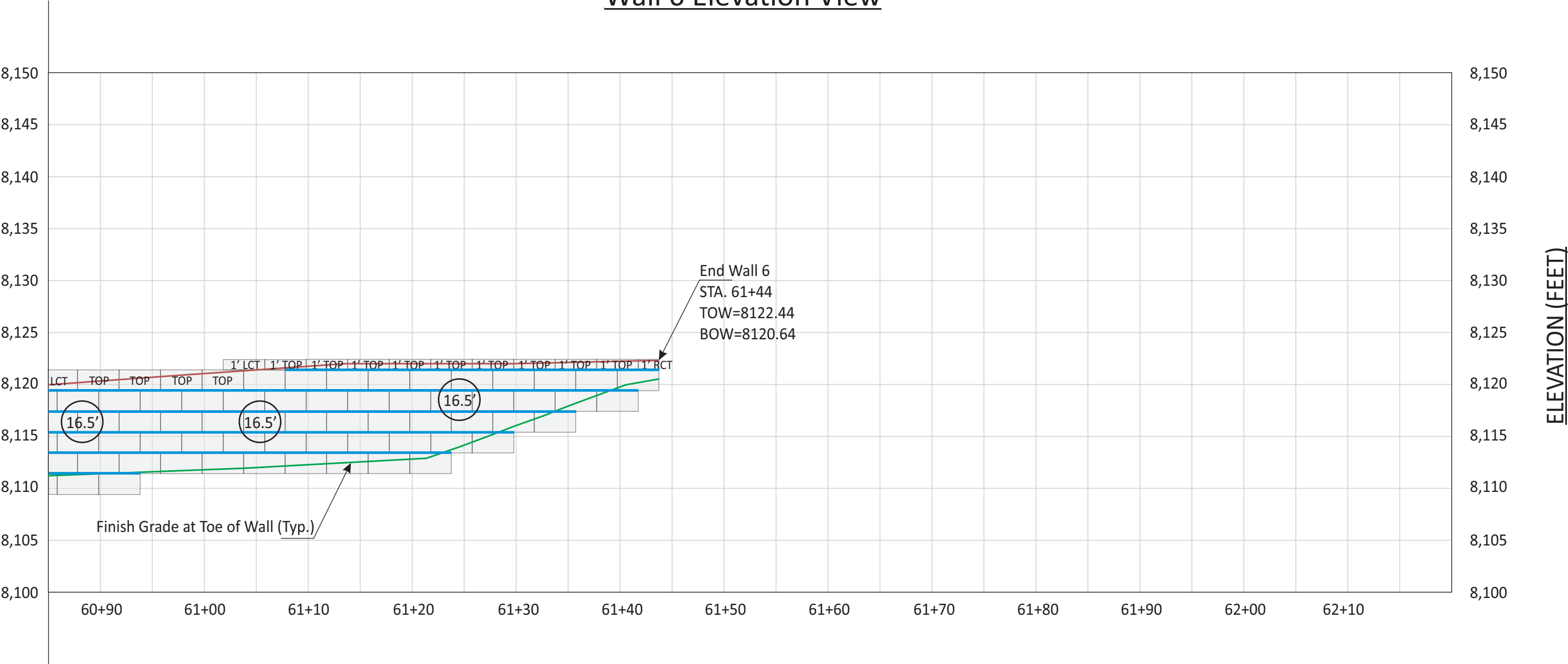
LCT/RCT	LEFT/RIGHT CORNER TOP BLOCK	1' LCT 1' RCT	1-FOOT LEFT/RIGHT CORNER TOP BLOCK	1' TOP	1-FOOT TALL 36-INCH TOP BLOCK		MIRAFI 8XT GEOGRID
TOP	36-INCH TOP BLOCK		36-INCH BLOCK	X.X'	GEOGRID LENGTH (MINIMUM)		MIRAFI 5XT GEOGRID
							CHANGE IN GEOGRID LENGTH/TYPE



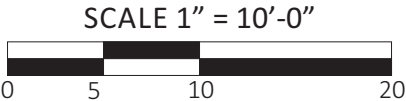
Project Number: AZ 2025	DRAWING TITLE: VERTI-BLOCK RETAINING WALLS –WALL 6 ELEVATION VIEW–	SHEET NUMBER: 22	AMMTec CONSULTANTS, PLLC CONSULTING ENGINEERING SERVICES 2447 West 12th Street, Ste #1 Tempe, Arizona 85281 E-Mail: ammttec@ammtec.com Phone: 480 927-9696 Fax: 480 927-9797 www.ammttec.com		Prepared By: JAM/BMH Reviewed By: AEM Date: 05/14/25 Revision: N/A	
Engineered By: Alan E. Money						
Scale: 1"=10'-0"						

Wall 6 Elevation View

MATCHLINE STA. 60+85 (See Sheet S17)

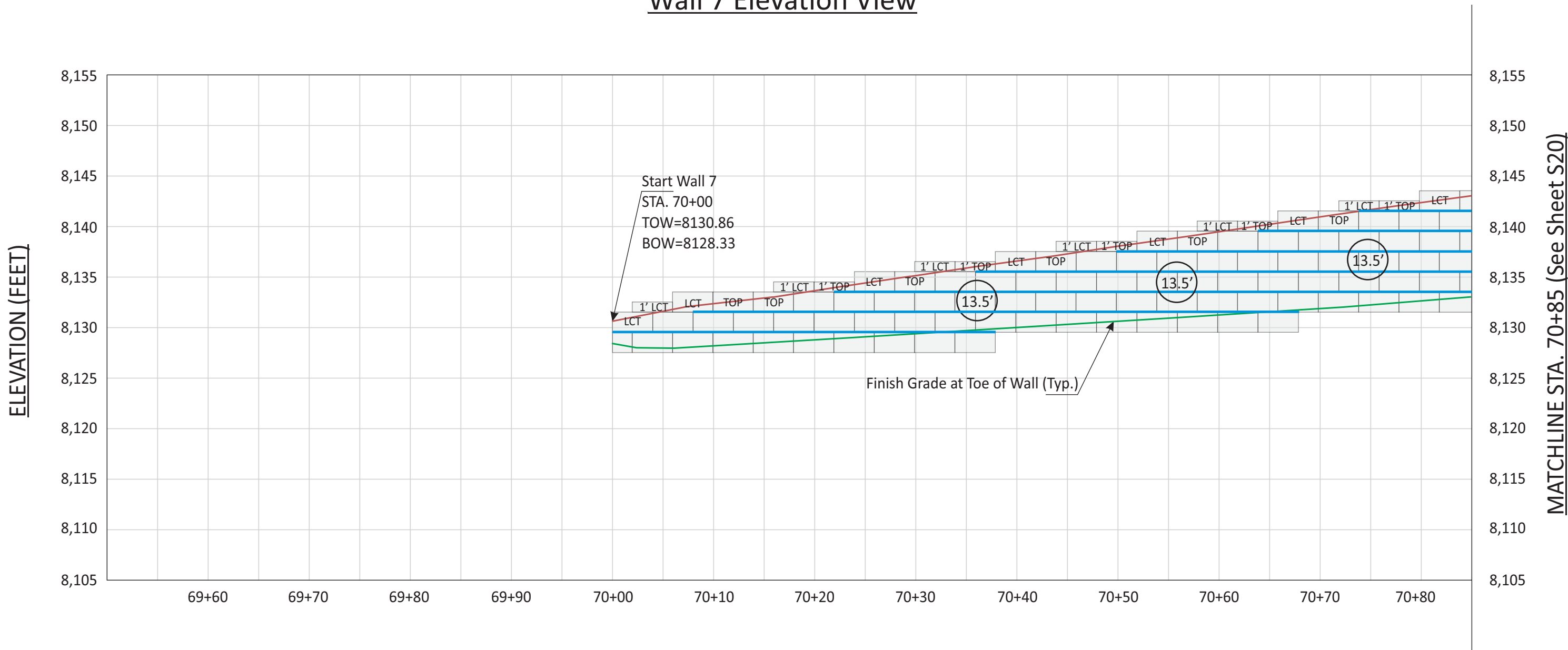


LCT/RCT	LEFT/RIGHT CORNER TOP BLOCK	1' LCT 1' RCT	1-FOOT LEFT/ RIGHT CORNER TOP BLOCK	1' TOP	1-FOOT TALL 36-INCH TOP BLOCK		MIRAFI 8XT GEOGRID	
TOP	36-INCH TOP BLOCK		36-INCH BLOCK	X.X'	GEOGRID LENGTH (MINIMUM)		MIRAFI 5XT GEOGRID	CHANGE IN GEOGRID LENGTH/TYPE

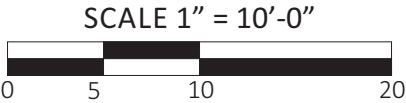


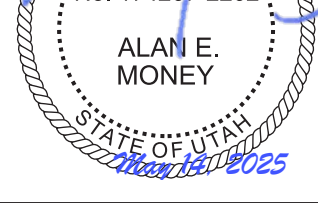
Project Number: AZ 2025	DRAWING TITLE: VERTI-BLOCK RETAINING WALLS -WALL 6 ELEVATION VIEW-	SHEET NUMBER: 23	AMMTec CONSULTANTS, PLLC		
Engineered By: Alan E. Money			<i>CONSULTING ENGINEERING SERVICES</i>		
Scale: 1"=10'-0"			PROJECT NAME: SUNDOWN CONDOS PHASE 2 6550 NORTH POWDER MOUNTAIN ROAD, EDEN, UT		
			2447 West 12th Street, Ste #1 Tempe, Arizona 85281 E-Mail: ammtec@ammtec.com	Phone: 480 927-9696 Fax: 480 927-9797 www.ammtec.com	Prepared By: JAM/BMH Reviewed By: AEM Date: 05/14/25 Revision: N/A

Wall 7 Elevation View



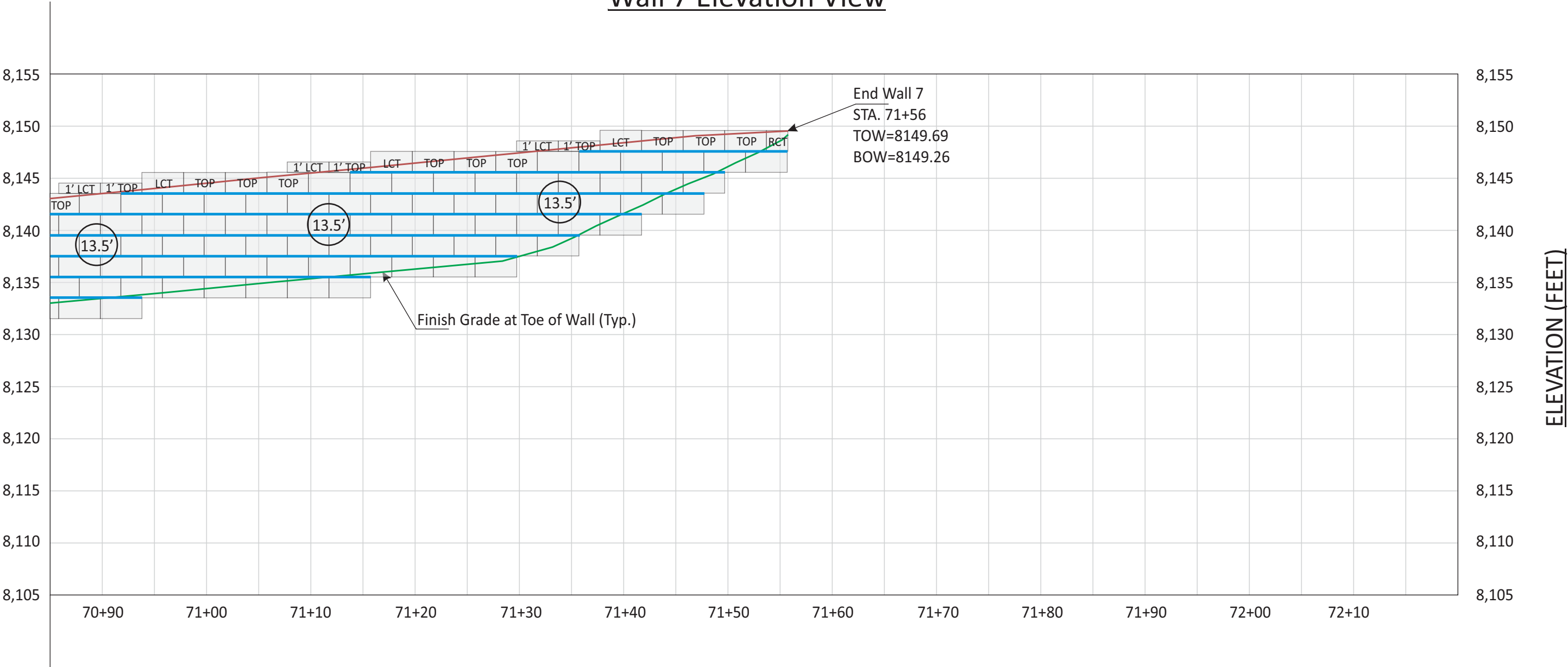
LCT/RCT	LEFT/RIGHT CORNER TOP BLOCK	1' LCT 1' RCT	1-FOOT LEFT/RIGHT CORNER TOP BLOCK	1' TOP	1-FOOT TALL 36-INCH TOP BLOCK		MIRAFI 8XT GEOGRID
TOP	36-INCH TOP BLOCK		36-INCH BLOCK	X.X'	GEOGRID LENGTH (MINIMUM)		MIRAFI 5XT GEOGRID
							CHANGE IN GEOGRID LENGTH/TYPE

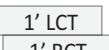
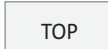
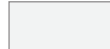


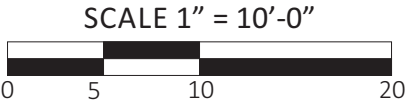
Project Number: AZ 2025	DRAWING TITLE: VERTI-BLOCK RETAINING WALLS –WALL 7 ELEVATION VIEW–	SHEET NUMBER: 24	AMMTec CONSULTANTS, PLLC CONSULTING ENGINEERING SERVICES 2447 West 12th Street, Ste #1 Tempe, Arizona 85281 E-Mail: ammtec@ammtec.com Phone: 480 927-9696 Fax: 480 927-9797 www.ammtec.com Prepared By: JAM/BMH Reviewed By: AEM Date: 05/14/25 Revision: N/A		
Engineered By: Alan E. Money			PROJECT NAME: SUNDOWN CONDOS PHASE 2 6550 NORTH POWDER MOUNTAIN ROAD, EDEN, UT		
Scale: 1"=10'-0"					

Wall 7 Elevation View

MATCHLINE STA. 70+85 (See Sheet S19)



 LEFT/RIGHT CORNER TOP BLOCK	 1-FOOT LEFT/RIGHT CORNER TOP BLOCK	 1-FOOT TALL 36-INCH TOP BLOCK	 MIRAFI 8XT GEOGRID
 36-INCH TOP BLOCK	 36-INCH BLOCK	 GEOGRID LENGTH (MINIMUM)	 MIRAFI 5XT GEOGRID
			 CHANGE IN GEOGRID LENGTH/TYPE

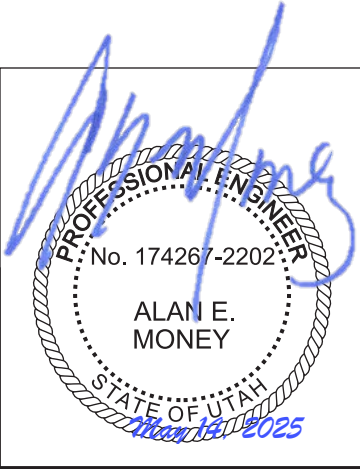


Project Number: AZ 2025	DRAWING TITLE: VERTI-BLOCK RETAINING WALLS -WALL 7 ELEVATION VIEW-	SHEET NUMBER: 25
Engineered By: Alan E. Money		
Scale: 1"=10'-0"	PROJECT NAME: SUNDOWN CONDOS PHASE 2 6550 NORTH POWDER MOUNTAIN ROAD, EDEN, UT	

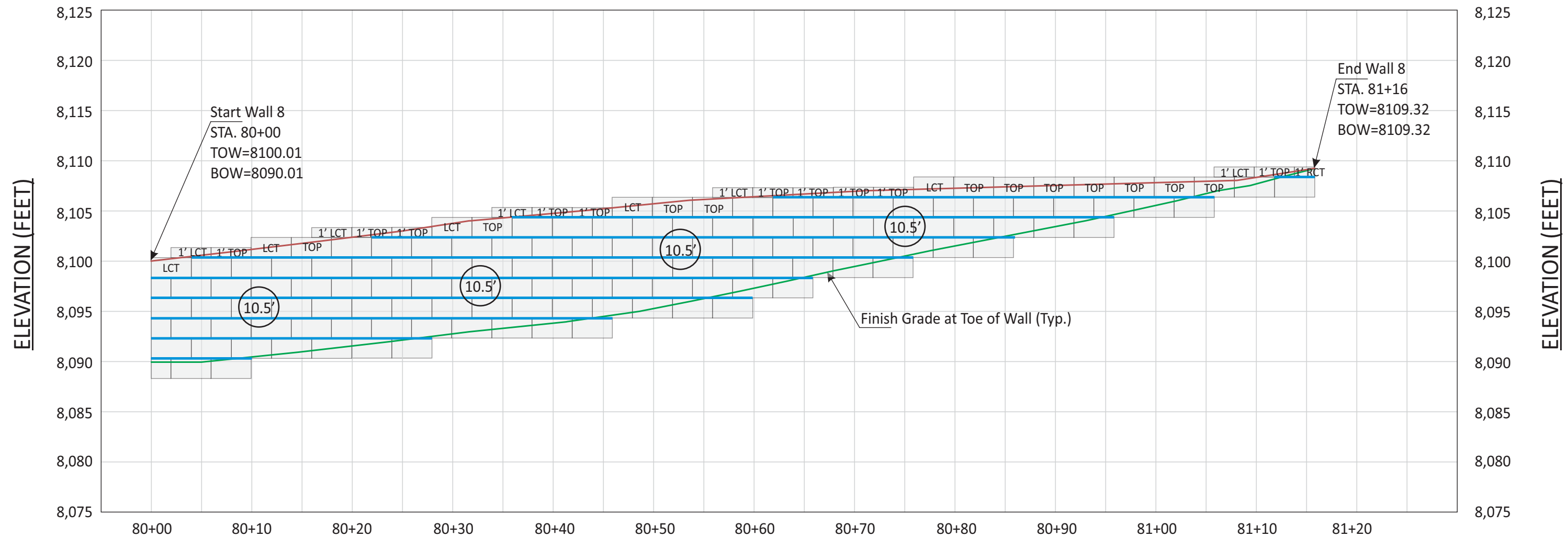
AMMTec CONSULTANTS, PLLC
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2447 West 12th Street, Ste #1
Tempe, Arizona 85281
E-Mail: ammtec@ammtec.com

Phone: 480 927-9696
Fax: 480 927-9797
www.ammtec.com

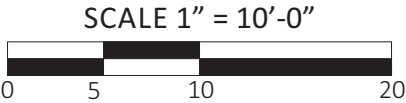
Prepared By: JAM/BMH
Reviewed By: AEM
Date: 05/14/25
Revision: N/A



Wall 8 Elevation View



LCT/RCT	LEFT/RIGHT CORNER TOP BLOCK	1' LCT 1' RCT	1-FOOT LEFT/RIGHT CORNER TOP BLOCK	1' TOP	1-FOOT TALL 36-INCH TOP BLOCK		MIRAFI 8XT GEOGRID
TOP	36-INCH TOP BLOCK		36-INCH BLOCK	X.X'	GEOGRID LENGTH (MINIMUM)		MIRAFI 5XT GEOGRID
							CHANGE IN GEOGRID LENGTH/TYPE



Project Number: AZ 2025	DRAWING TITLE: VERTI-BLOCK RETAINING WALLS -WALL 8 ELEVATION VIEW-	SHEET NUMBER: 26
Engineered By: Alan E. Money		
Scale: 1"=10'-0"	PROJECT NAME: SUNDOWN CONDOS PHASE 2 6550 NORTH POWDER MOUNTAIN ROAD, EDEN, UT	

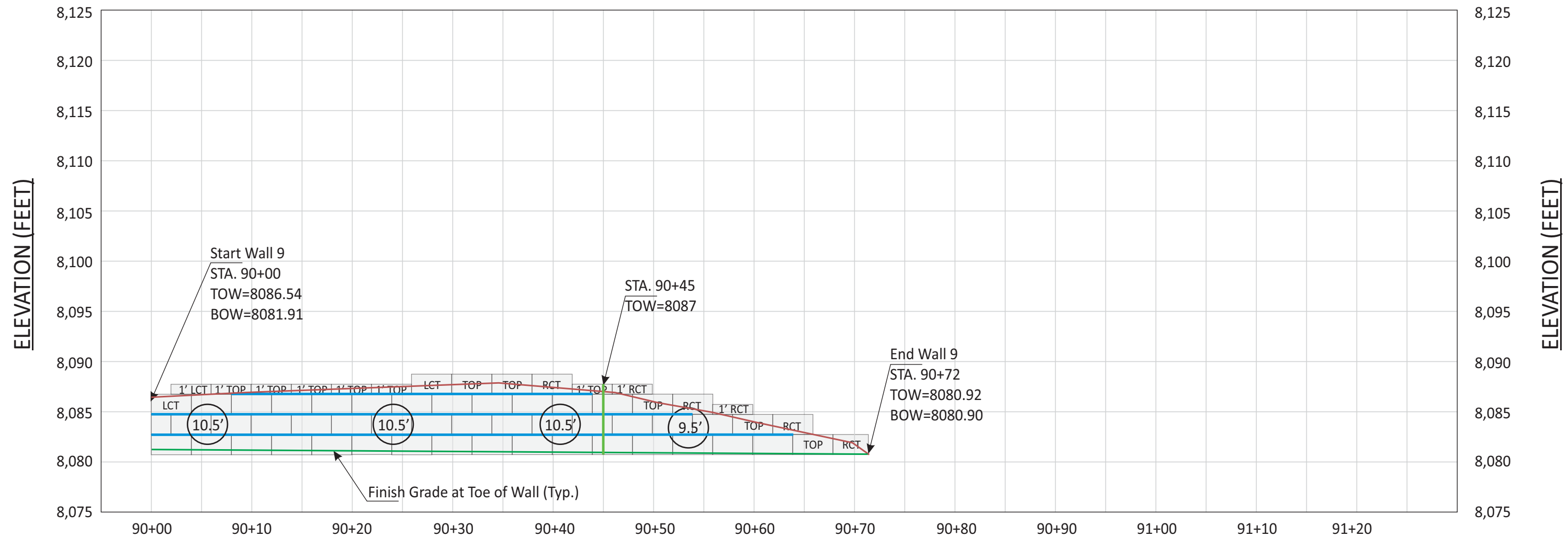
AMMTec CONSULTANTS, PLLC
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2447 West 12th Street, Ste #1
Tempe, Arizona 85281
E-Mail: ammttec@ammtec.com

Phone: 480 927-9696
Fax: 480 927-9797
www.ammttec.com

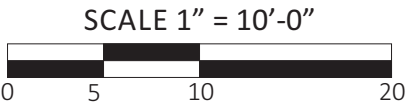
Prepared By: JAM/BMH
Reviewed By: AEM
Date: 05/14/25
Revision: N/A

ALAN E. MONEY
May 14, 2025

Wall 9 Elevation View



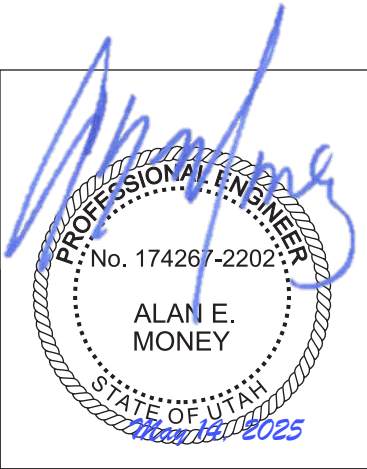
LCT/RCT	LEFT/RIGHT CORNER TOP BLOCK	1' LCT 1' RCT	1-FOOT LEFT/RIGHT CORNER TOP BLOCK	1' TOP	1-FOOT TALL 36-INCH TOP BLOCK	MIRAFI 8XT GEOGRID
TOP	36-INCH TOP BLOCK		36-INCH BLOCK	X.X'	GEOGRID LENGTH (MINIMUM)	MIRAFI 5XT GEOGRID
						CHANGE IN GEOGRID LENGTH/TYPE



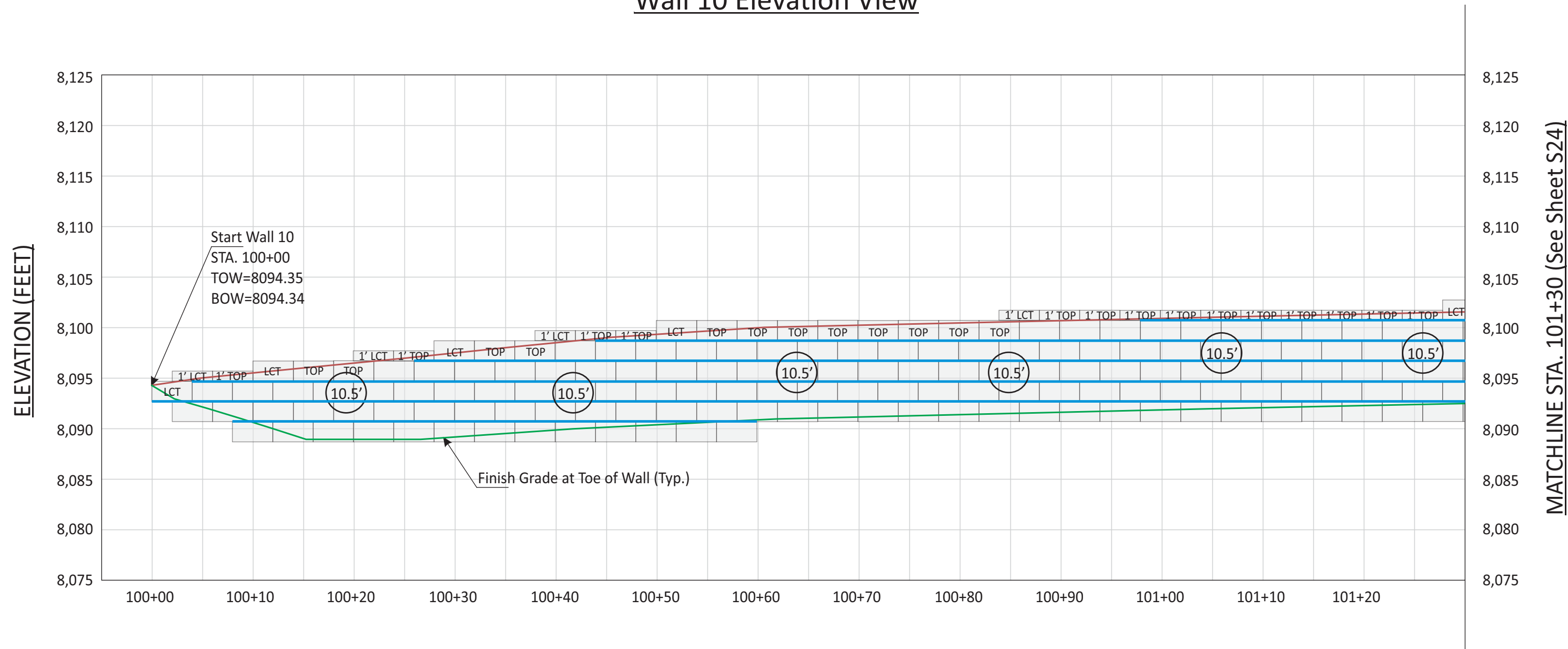
Project Number: AZ 2025	DRAWING TITLE: VERTI-BLOCK RETAINING WALLS -WALL 9 ELEVATION VIEW-	SHEET NUMBER: 27
Engineered By: Alan E. Money	PROJECT NAME: SUNDOWN CONDOS PHASE 2 6550 NORTH POWDER MOUNTAIN ROAD, EDEN, UT	
Scale: 1"=10'-0"		

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CONSULTING ENGINEERING SERVICES
2447 West 12th Street, Ste #1
Tempe, Arizona 85281
E-Mail: ammttec@ammtec.com
Phone: 480 927-9696
Fax: 480 927-9797
www.ammttec.com

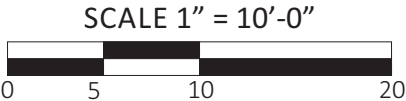
Prepared By: JAM/BMH
Reviewed By: AEM
Date: 05/14/25
Revision: N/A



Wall 10 Elevation View



LCT/RCT	LEFT/RIGHT CORNER TOP BLOCK	1' LCT 1' RCT	1-FOOT LEFT/RIGHT CORNER TOP BLOCK	1' TOP	1-FOOT TALL 36-INCH TOP BLOCK		MIRAFI 8XT GEOGRID
TOP	36-INCH TOP BLOCK		36-INCH BLOCK	X.X'	GEOGRID LENGTH (MINIMUM)		MIRAFI 5XT GEOGRID
							CHANGE IN GEOGRID LENGTH/TYPE



Project Number: AZ 2025	DRAWING TITLE: VERTI-BLOCK RETAINING WALLS -WALL 10 ELEVATION VIEW-	SHEET NUMBER: 28
Engineered By: Alan E. Money		
Scale: 1"=10'-0"	PROJECT NAME: SUNDOWN CONDOS PHASE 2 6550 NORTH POWDER MOUNTAIN ROAD, EDEN, UT	

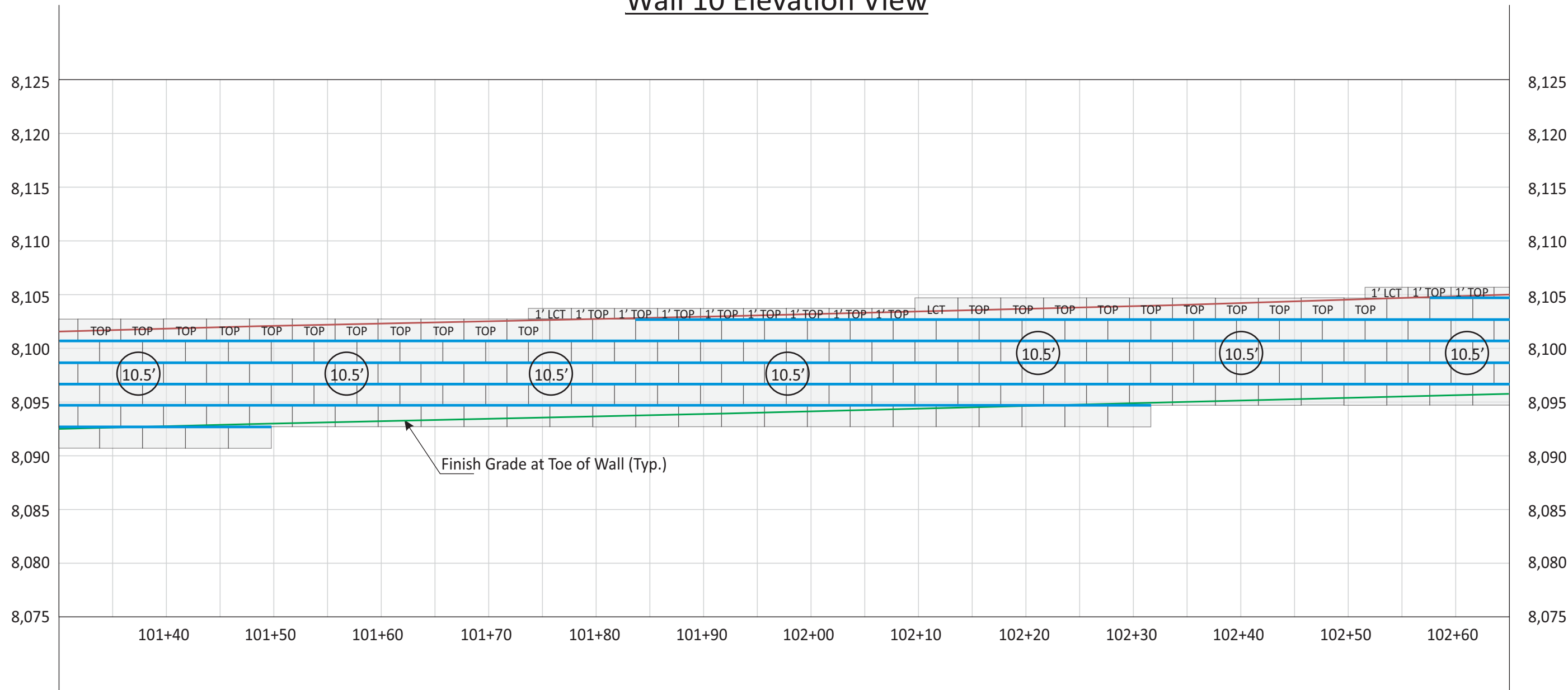
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CONSULTING ENGINEERING SERVICES
2447 West 12th Street, Ste #1
Tempe, Arizona 85281
E-Mail: ammtec@ammtec.com

Phone: 480 927-9696
Fax: 480 927-9797
www.ammtec.com

Prepared By: JAM/BMH
Reviewed By: AEM
Date: 05/14/25
Revision: N/A

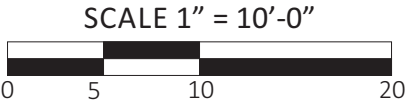
Wall 10 Elevation View

MATCHLINE STA. 101+30 (See Sheet S23)



MATCHLINE STA. 102+65 (See Sheet S25)

LCT/RCT	LEFT/RIGHT CORNER TOP BLOCK	1' LCT 1' RCT	1-FOOT LEFT/RIGHT CORNER TOP BLOCK	1' TOP	1-FOOT TALL 36-INCH TOP BLOCK		MIRAFI 8XT GEOGRID
TOP	36-INCH TOP BLOCK		36-INCH BLOCK	X.X'	GEOGRID LENGTH (MINIMUM)		MIRAFI 5XT GEOGRID
							CHANGE IN GEOGRID LENGTH/TYPE

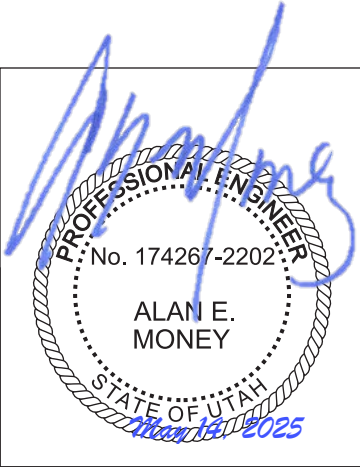


Project Number: AZ 2025	DRAWING TITLE: VERTI-BLOCK RETAINING WALLS –WALL 10 ELEVATION VIEW–	SHEET NUMBER: 29
Engineered By: Alan E. Money		
Scale: 1”=10’-0”	PROJECT NAME: SUNDOWN CONDOS PHASE 2 6550 NORTH POWDER MOUNTAIN ROAD, EDEN, UT	

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CONSULTING ENGINEERING SERVICES
2447 West 12th Street, Ste #1
Tempe, Arizona 85281
E-Mail: ammtec@ammtec.com

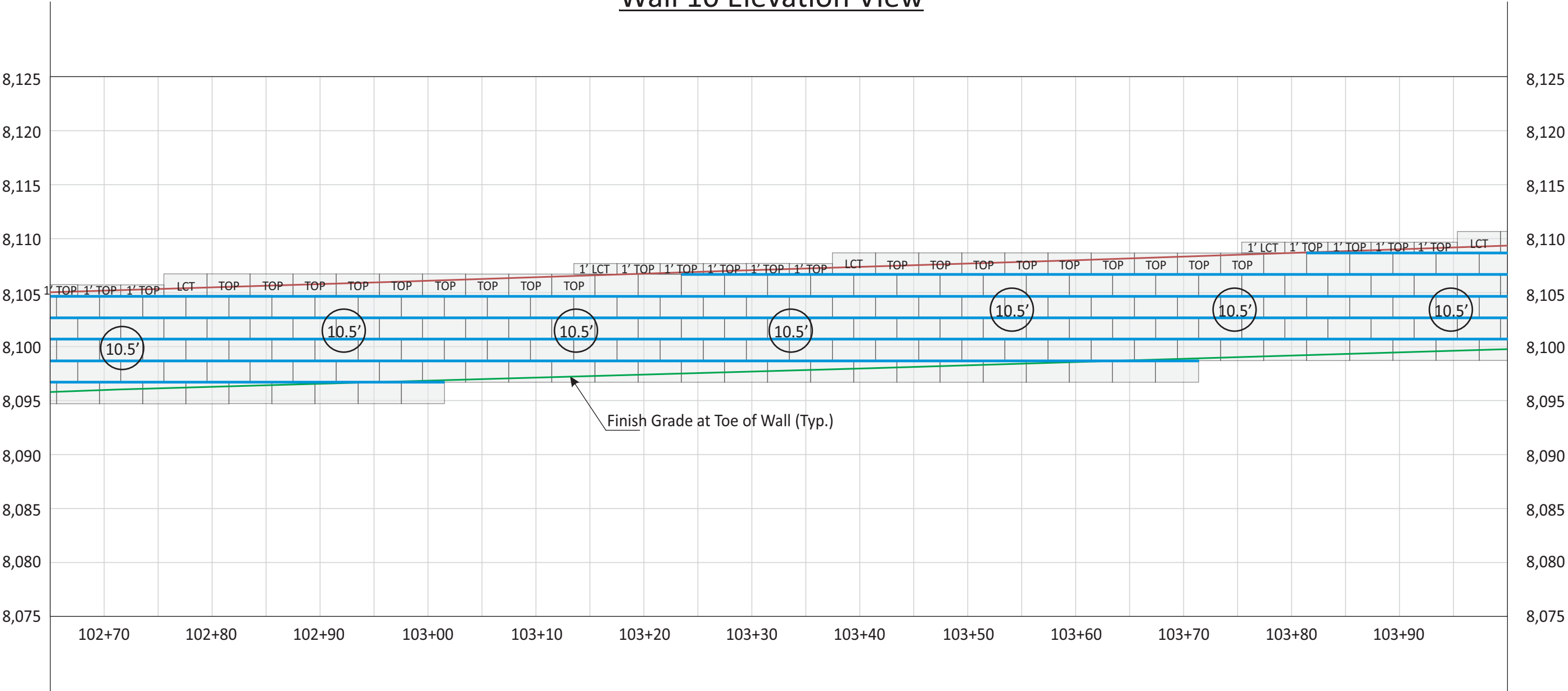
Phone: 480 927-9696
Fax: 480 927-9797
www.ammtec.com

Prepared By: JAM/BMH
Reviewed By: AEM
Date: 05/14/25
Revision: N/A



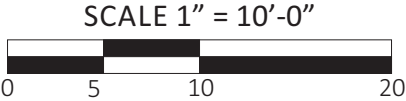
Wall 10 Elevation View

MATCHLINE STA. 102+65 (See Sheet S24)



MATCHLINE STA. 104+00 (See Sheet S26)

LCT/RCT	LEFT/RIGHT CORNER TOP BLOCK	1' LCT 1' RCT	1-FOOT LEFT/RIGHT CORNER TOP BLOCK	1' TOP	1-FOOT TALL 36-INCH TOP BLOCK		MIRAFI 8XT GEOGRID
TOP	36-INCH TOP BLOCK		36-INCH BLOCK	X.X'	GEOGRID LENGTH (MINIMUM)		MIRAFI 5XT GEOGRID
							CHANGE IN GEOGRID LENGTH/TYPE



Project Number: AZ 2025

Engineered By: Alan E. Money

Scale: 1"=10'-0"

DRAWING TITLE: VERTI-BLOCK RETAINING WALLS
-WALL 10 ELEVATION VIEW-

PROJECT NAME: SUNDOWN CONDOS PHASE 2
6550 NORTH POWDER MOUNTAIN ROAD, EDEN, UT

SHEET NUMBER: 30

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CONSULTING ENGINEERING SERVICES

2447 West 12th Street, Ste #1
Tempe, Arizona 85281
E-Mail: ammtec@ammtec.com

Phone: 480 927-9696
Fax: 480 927-9797
www.ammtec.com

Prepared By: JAM/BMH

Reviewed By: AEM

Date: 05/14/25

Revision: N/A

PROFESSIONAL ENGINEER

No. 174267-2202

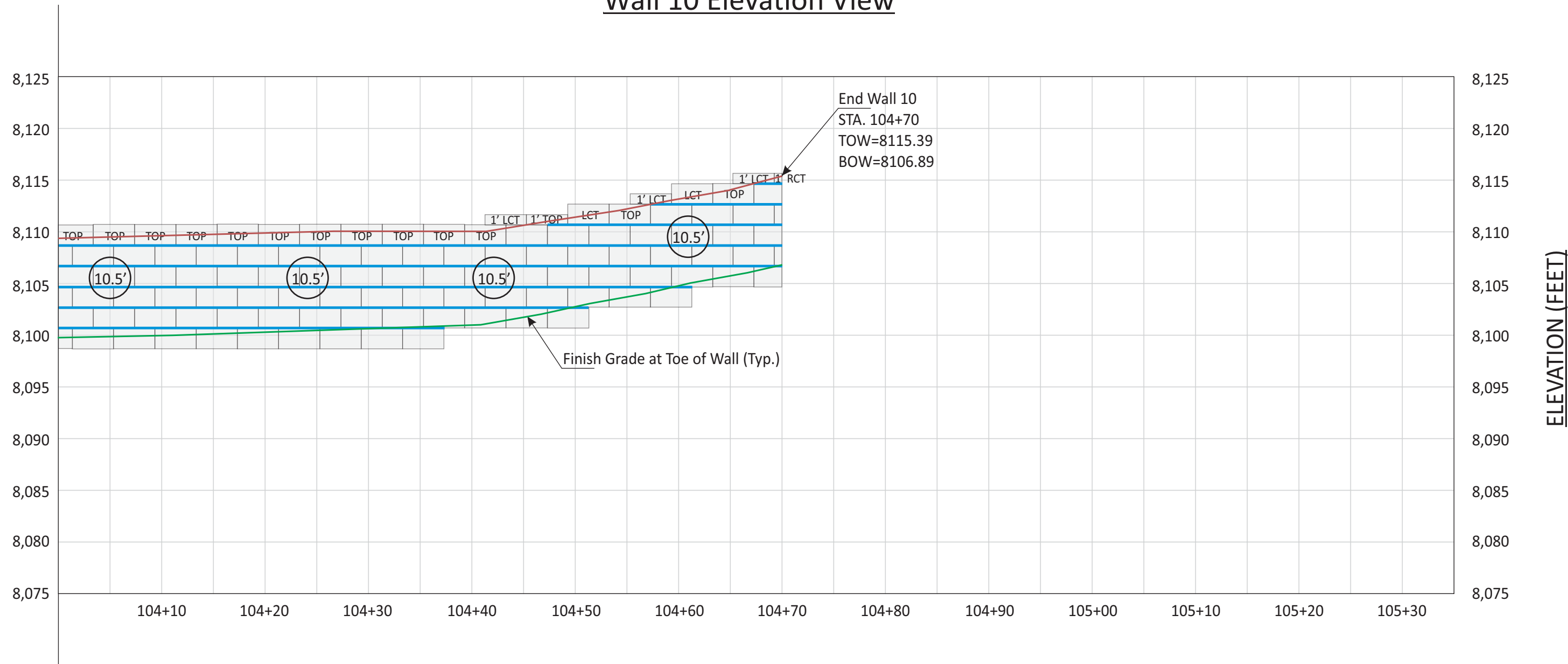
ALAN E. MONEY

STATE OF UTAH

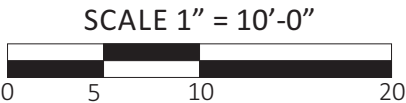
2025

Wall 10 Elevation View

MATCHLINE STA. 104+00 (See Sheet S25)



LCT/RCT	LEFT/RIGHT CORNER TOP BLOCK	1' LCT 1' RCT	1-FOOT LEFT/RIGHT CORNER TOP BLOCK	1' TOP	1-FOOT TALL 36-INCH TOP BLOCK		MIRAFI 8XT GEOGRID
TOP	36-INCH TOP BLOCK		36-INCH BLOCK	X.X'	GEOGRID LENGTH (MINIMUM)		MIRAFI 5XT GEOGRID
							CHANGE IN GEOGRID LENGTH/TYPE

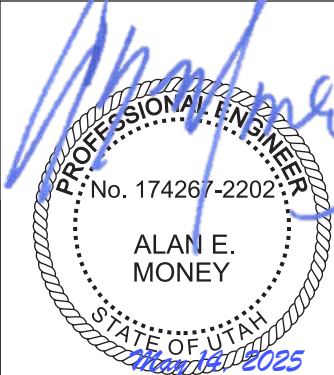


Project Number: AZ 2025	DRAWING TITLE: VERTI-BLOCK RETAINING WALLS -WALL 10 ELEVATION VIEW-	SHEET NUMBER: 31
Engineered By: Alan E. Money		
Scale: 1"=10'-0"	PROJECT NAME: SUNDOWN CONDOS PHASE 2 6550 NORTH POWDER MOUNTAIN ROAD, EDEN, UT	

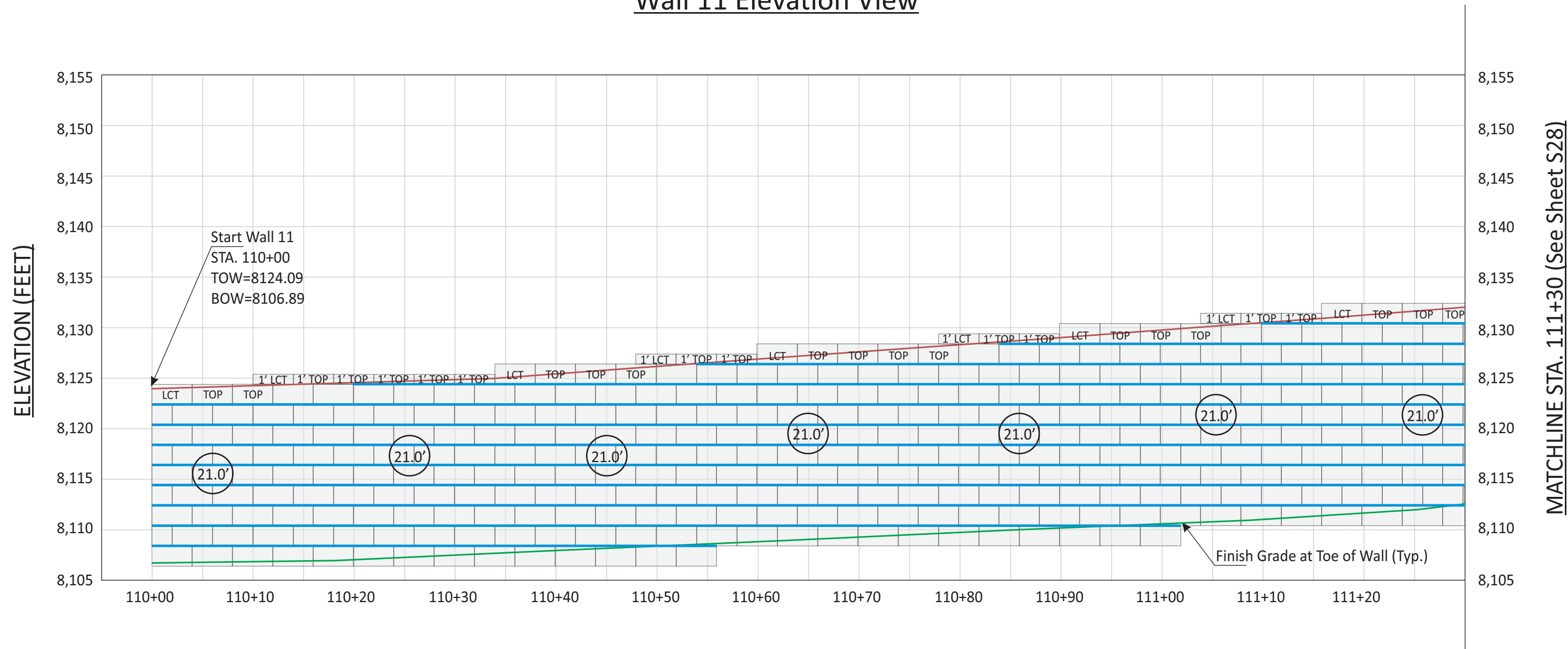
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2447 West 12th Street, Ste #1
Tempe, Arizona 85281
E-Mail: ammttec@ammtec.com

Phone: 480 927-9696
Fax: 480 927-9797
www.ammttec.com

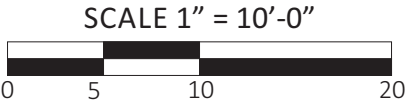
Prepared By: JAM/BMH
Reviewed By: AEM
Date: 05/14/25
Revision: N/A



Wall 11 Elevation View



LCT/RCT	LEFT/RIGHT CORNER TOP BLOCK	1' LCT 1' RCT	1-FOOT LEFT/RIGHT CORNER TOP BLOCK	1' TOP	1-FOOT TALL 36-INCH TOP BLOCK		MIRAFI 8XT GEOGRID
TOP	36-INCH TOP BLOCK		36-INCH BLOCK	X.X'	GEOGRID LENGTH (MINIMUM)		MIRAFI 5XT GEOGRID
					CHANGE IN GEOGRID LENGTH/TYPE		

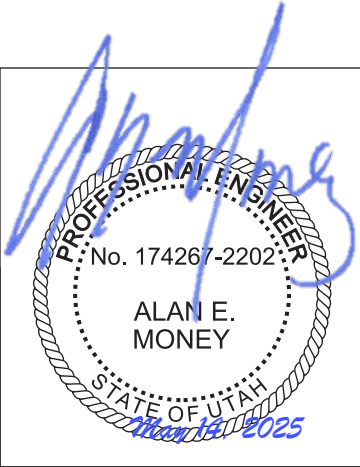


Project Number: AZ 2025	DRAWING TITLE: VERTI-BLOCK RETAINING WALLS –WALL 11 ELEVATION VIEW–	SHEET NUMBER: 32
Engineered By: Alan E. Money		
Scale: 1”=10’-0”	PROJECT NAME: SUNDOWN CONDOS PHASE 2 6550 NORTH POWDER MOUNTAIN ROAD, EDEN, UT	

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CONSULTING ENGINEERING SERVICES
2447 West 12th Street, Ste #1
Tempe, Arizona 85281
E-Mail: ammttec@ammtec.com

Phone: 480 927-9696
Fax: 480 927-9797
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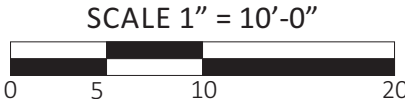
Prepared By: JAM/BMH
Reviewed By: AEM
Date: 05/14/25
Revision: N/A



Wall 11 Elevation View



 LEFT/RIGHT CORNER TOP BLOCK	 1-FOOT LEFT/ RIGHT CORNER TOP BLOCK	 1-FOOT TALL 36-INCH TOP BLOCK	 MIRAFI 8XT GEOGRID	
 36-INCH TOP BLOCK	 36-INCH BLOCK	 GEOGRID LENGTH (MINIMUM)	 MIRAFI 5XT GEOGRID	 CHANGE IN GEOGRID LENGTH/TYPE



Project Number: AZ 2025

Engineered By: Alan E. Money

Scale: 1"=10'-0"

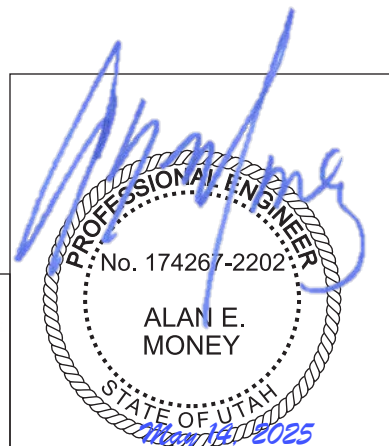
DRAWING TITLE: VERTI-BLOCK RETAINING WALLS
 –WALL 11 ELEVATION VIEW–

SHEET NUMBER:
33

PROJECT NAME: SUNDOWN CONDOS PHASE 2
6550 NORTH POWDER MOUNTAIN ROAD, EDEN, UT

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CONSULTING ENGINEERING SERVICES
 2447 West 12th Street, Ste #1 Phone: 480 927-9696
 Tempe, Arizona 85281 Fax: 480 927-9797
 E-Mail: ammt_{ec}@ammt_{ec}.com www.ammt_{ec}.com

Prepared By: JAM/BMH
 Reviewed By: AEM
 Date: 05/14/25
 Revision: N/A

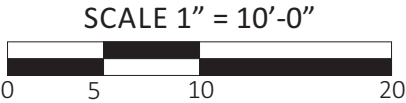


Wall 11 Elevation View

MATCHLINE STA. 112+65 (See Sheet S28)



	LEFT/RIGHT CORNER TOP BLOCK		1-FOOT LEFT/RIGHT CORNER TOP BLOCK		1-FOOT TALL 36-INCH TOP BLOCK		MIRAFI 8XT GEOGRID
	36-INCH TOP BLOCK		36-INCH BLOCK		GEOGRID LENGTH (MINIMUM)		MIRAFI 5XT GEOGRID
					CHANGE IN GEOGRID LENGTH/TYPE		

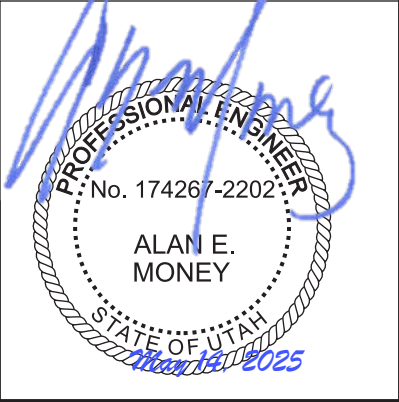


Project Number: AZ 2025	DRAWING TITLE: VERTI-BLOCK RETAINING WALLS –WALL 11 ELEVATION VIEW–	SHEET NUMBER: 34
Engineered By: Alan E. Money		
Scale: 1”=10’-0”	PROJECT NAME: SUNDOWN CONDOS PHASE 2 6550 NORTH POWDER MOUNTAIN ROAD, EDEN, UT	

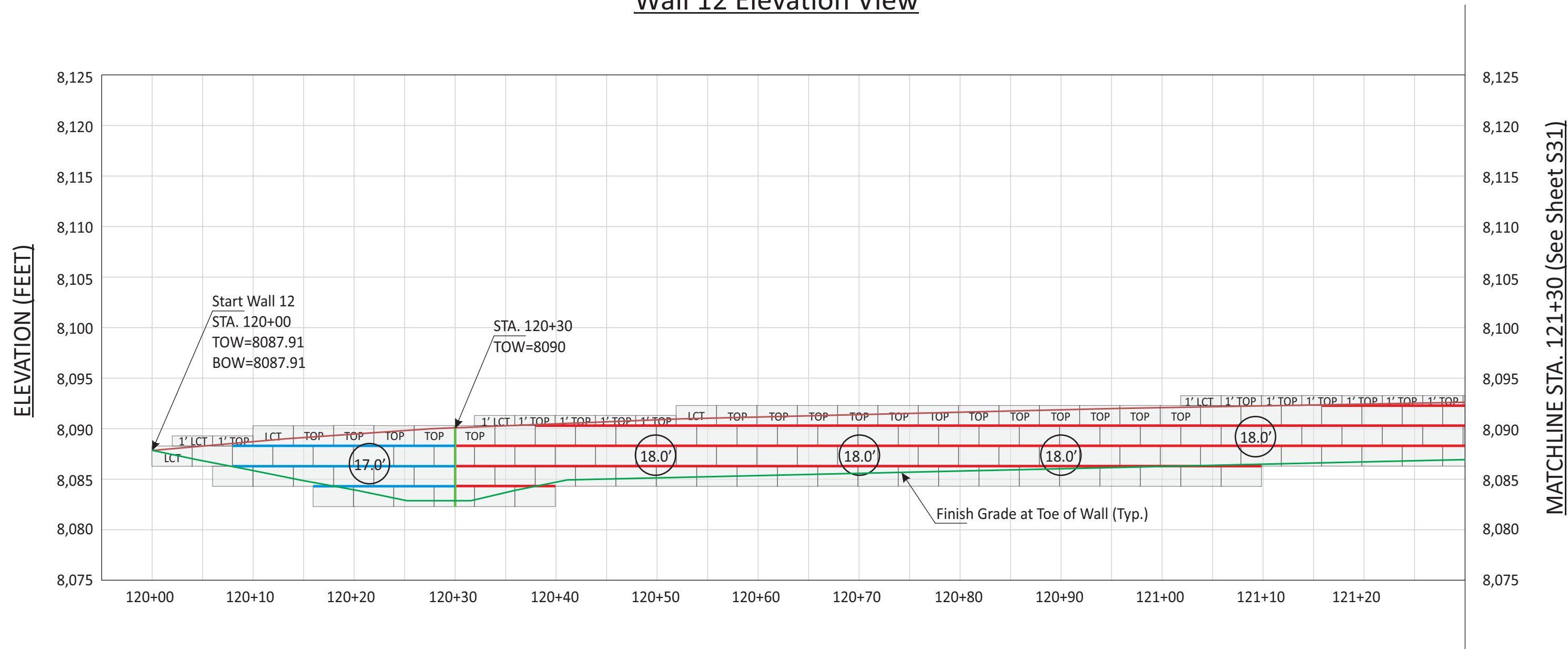
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E-Mail: ammttec@ammtec.com

Phone: 480 927-9696
Fax: 480 927-9797
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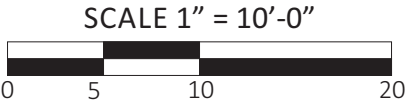
Prepared By: JAM/BMH
Reviewed By: AEM
Date: 05/14/25
Revision: N/A



Wall 12 Elevation View



LCT/RCT	LEFT/RIGHT CORNER TOP BLOCK	1' LCT 1' RCT	1-FOOT LEFT/RIGHT CORNER TOP BLOCK	1' TOP	1-FOOT TALL 36-INCH TOP BLOCK		MIRAFI 8XT GEOGRID
TOP	36-INCH TOP BLOCK		36-INCH BLOCK	X.X'	GEOGRID LENGTH (MINIMUM)		MIRAFI 5XT GEOGRID
					CHANGE IN GEOGRID LENGTH/TYPE		

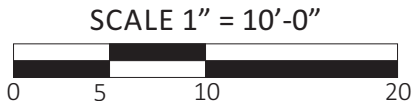


Project Number: AZ 2025	DRAWING TITLE: VERTI-BLOCK RETAINING WALLS -WALL 12 ELEVATION VIEW-	SHEET NUMBER: 35	AMMTec CONSULTANTS, PLLC CONSULTING ENGINEERING SERVICES 2447 West 12th Street, Ste #1 Tempe, Arizona 85281 E-Mail: ammttec@ammtec.com Phone: 480 927-9696 Fax: 480 927-9797 www.ammttec.com	Prepared By: JAM/BMH
Engineered By: Alan E. Money				Reviewed By: AEM
Scale: 1"=10'-0"				Date: 05/14/25
PROJECT NAME: SUNDOWN CONDOS PHASE 2 6550 NORTH POWDER MOUNTAIN ROAD, EDEN, UT		Revision: N/A		PROFESSIONAL ENGINEER No. 174267-2202 ALAN E. MONEY STATE OF UTAH 2025

Wall 12 Elevation View



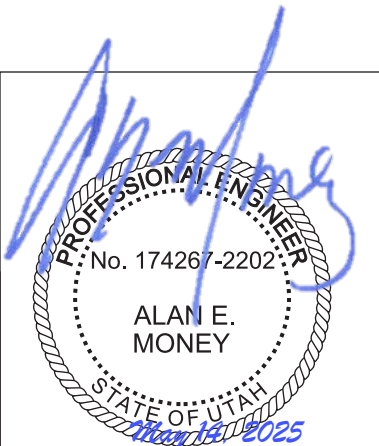
 LEFT/RIGHT CORNER TOP BLOCK	 1-FOOT LEFT/ RIGHT CORNER TOP BLOCK	 1-FOOT TALL 36-INCH TOP BLOCK	 MIRAFI 8XT GEOGRID	
 36-INCH TOP BLOCK	 36-INCH BLOCK	 GEOGRID LENGTH (MINIMUM)	 MIRAFI 5XT GEOGRID	 CHANGE IN GEOGRID LENGTH/TYPE



Project Number: AZ 2025	DRAWING TITLE: VERTI-BLOCK RETAINING WALLS –WALL 12 ELEVATION VIEW–	SHEET NUMBER: 36
Engineered By: Alan E. Money		
Scale: 1"=10'-0"		

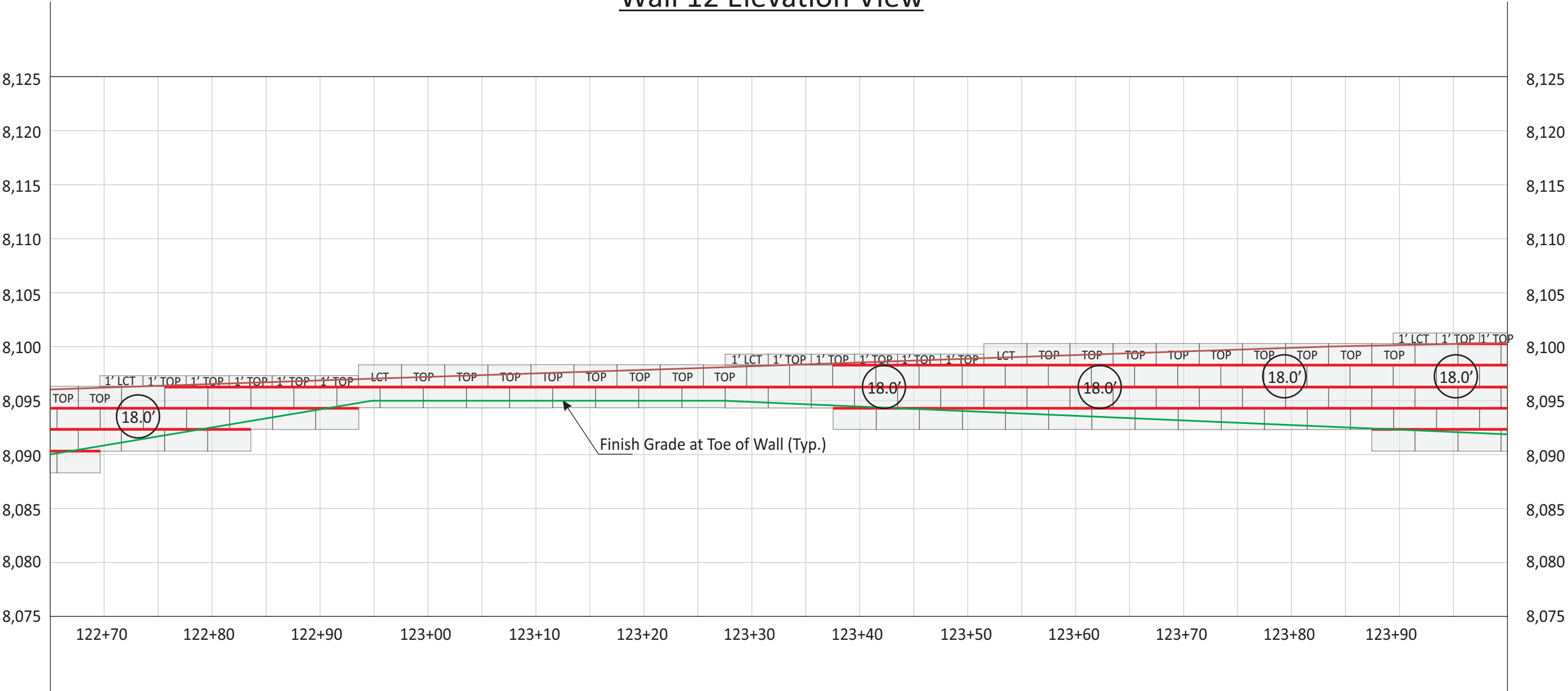
AMMTEC CONSULTANTS, PLLC
CONSULTING ENGINEERING SERVICES
 2447 West 12th Street, Ste #1 Phone: 480 927-9696
 Tempe, Arizona 85281 Fax: 480 927-9797
 E-Mail: ammtec@ammtec.com www.ammtec.com

Prepared By: JAM/BMH
 Reviewed By: AEM
 Date: 05/14/25
 Revision: N/A



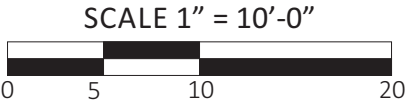
Wall 12 Elevation View

MATCHLINE STA. 122+65 (See Sheet S31)



MATCHLINE STA. 124+00 (See Sheet S33)

LCT/RCT	LEFT/RIGHT CORNER TOP BLOCK	1' LCT 1' RCT	1-FOOT LEFT/RIGHT CORNER TOP BLOCK	1' TOP	1-FOOT TALL 36-INCH TOP BLOCK		MIRAFI 8XT GEOGRID
TOP	36-INCH TOP BLOCK		36-INCH BLOCK	X.X'	GEOGRID LENGTH (MINIMUM)		MIRAFI 5XT GEOGRID
					CHANGE IN GEOGRID LENGTH/TYPE		



Project Number: AZ 2025	DRAWING TITLE: VERTI-BLOCK RETAINING WALLS -WALL 12 ELEVATION VIEW-	SHEET NUMBER: 37
Engineered By: Alan E. Money		
Scale: 1"=10'-0"	PROJECT NAME: SUNDOWN CONDOS PHASE 2 6550 NORTH POWDER MOUNTAIN ROAD, EDEN, UT	

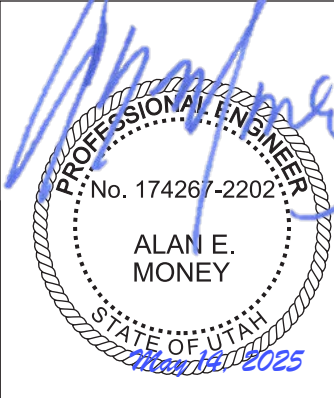
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2447 West 12th Street, Ste #1
Tempe, Arizona 85281
E-Mail: ammtec@ammtec.com

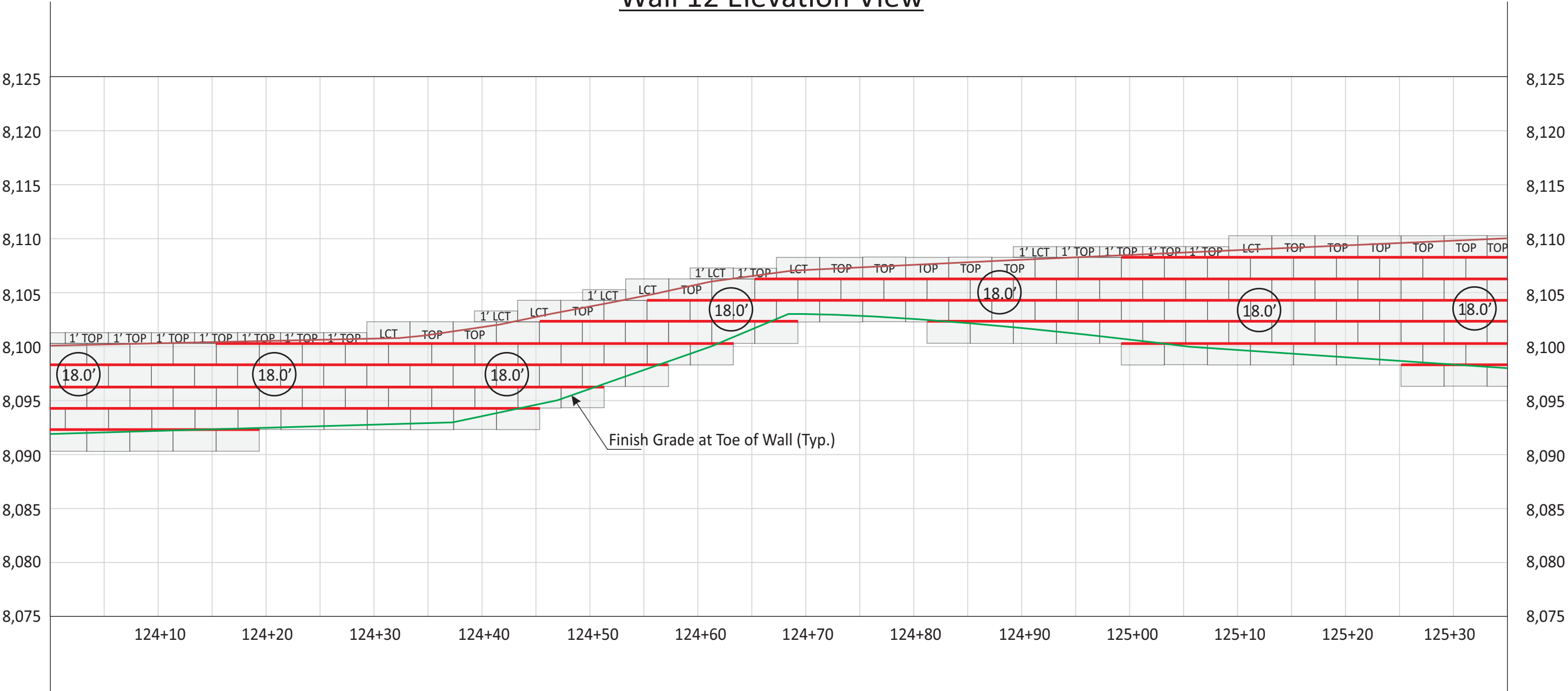
Phone: 480 927-9696
Fax: 480 927-9797
www.ammtec.com

Prepared By: JAM/BMH
Reviewed By: AEM
Date: 05/14/25
Revision: N/A



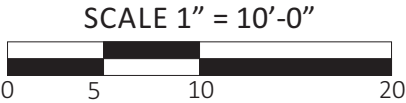
Wall 12 Elevation View

MATCHLINE STA. 124+00 (See Sheet S32)



MATCHLINE STA. 125+35 (See Sheet S34)

LCT/RCT	LEFT/RIGHT CORNER TOP BLOCK	1' LCT 1' RCT	1-FOOT LEFT/RIGHT CORNER TOP BLOCK	1' TOP	1-FOOT TALL 36-INCH TOP BLOCK		MIRAFI 8XT GEOGRID
TOP	36-INCH TOP BLOCK		36-INCH BLOCK	X.X'	GEOGRID LENGTH (MINIMUM)		MIRAFI 5XT GEOGRID
							CHANGE IN GEOGRID LENGTH/TYPE



Project Number: AZ 2025	DRAWING TITLE: VERTI-BLOCK RETAINING WALLS -WALL 12 ELEVATION VIEW-	SHEET NUMBER: 38
Engineered By: Alan E. Money		
Scale: 1"=10'-0"		
PROJECT NAME: SUNDOWN CONDOS PHASE 2 6550 NORTH POWDER MOUNTAIN ROAD, EDEN, UT		

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CONSULTING ENGINEERING SERVICES

2447 West 12th Street, Ste #1
Tempe, Arizona 85281
E-Mail: ammtec@ammtec.com

Phone: 480 927-9696
Fax: 480 927-9797
www.ammtec.com

Prepared By: JAM/BMH
Reviewed By: AEM
Date: 05/14/25
Revision: N/A

PROFESSIONAL ENGINEER

No. 174267-2202

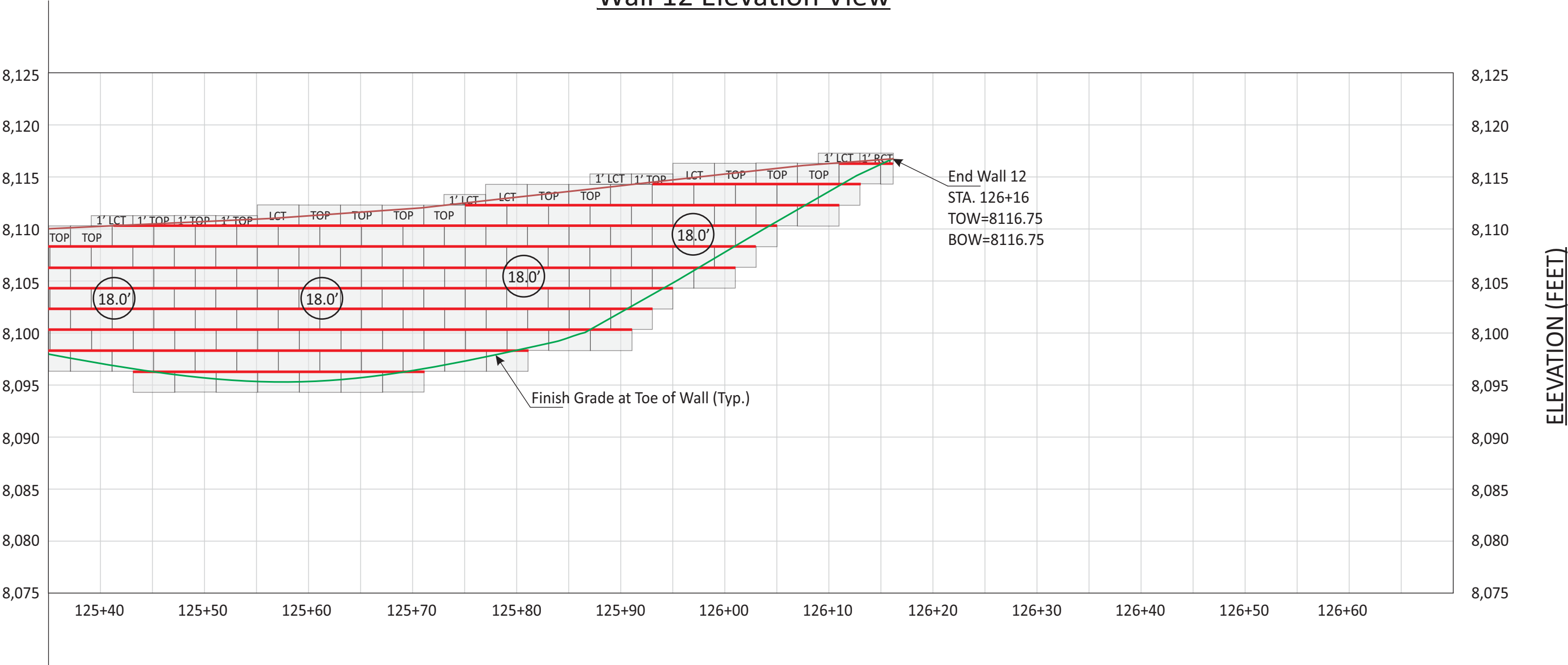
ALAN E. MONEY

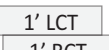
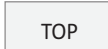
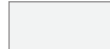
STATE OF UTAH

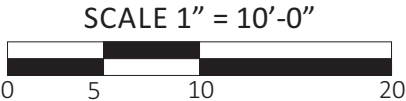
2025

Wall 12 Elevation View

MATCHLINE STA. 125+35 (See Sheet S33)



 LEFT/RIGHT CORNER TOP BLOCK	 1-FOOT LEFT/RIGHT CORNER TOP BLOCK	 1-FOOT TALL 36-INCH TOP BLOCK	 MIRAFI 8XT GEOGRID
 36-INCH TOP BLOCK	 36-INCH BLOCK	 GEOGRID LENGTH (MINIMUM)	 MIRAFI 5XT GEOGRID
			 CHANGE IN GEOGRID LENGTH/TYPE

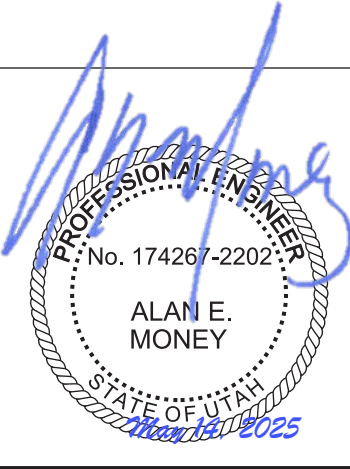


Project Number: AZ 2025	DRAWING TITLE: VERTI-BLOCK RETAINING WALLS -WALL 12 ELEVATION VIEW-	SHEET NUMBER: 39
Engineered By: Alan E. Money		
Scale: 1"=10'-0"	PROJECT NAME: SUNDOWN CONDOS PHASE 2 6550 NORTH POWDER MOUNTAIN ROAD, EDEN, UT	

AMMTec CONSULTANTS, PLLC
CONSULTING ENGINEERING SERVICES
2447 West 12th Street, Ste #1
Tempe, Arizona 85281
E-Mail: ammtec@ammtec.com

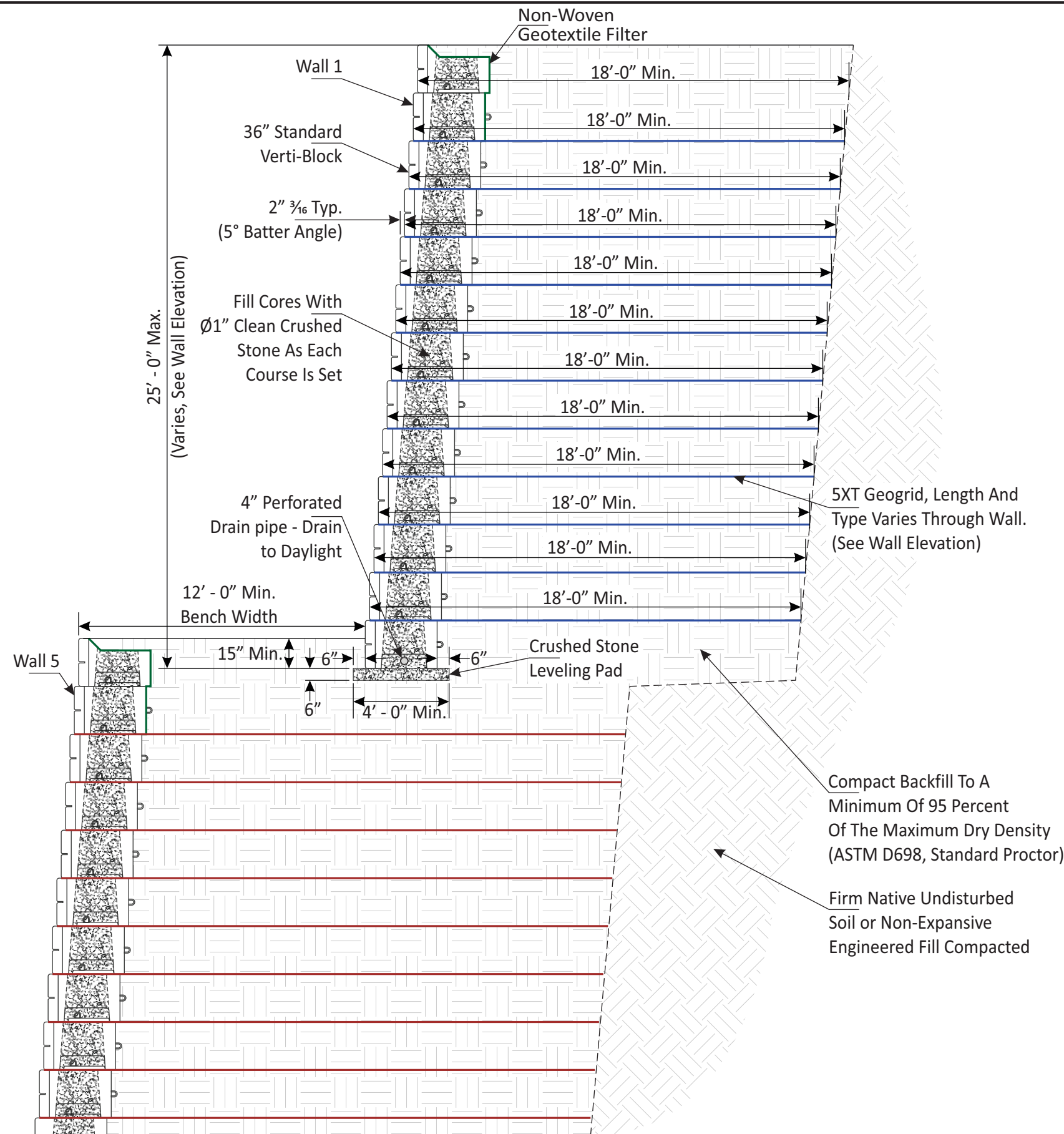
Phone: 480 927-9696
Fax: 480 927-9797
www.ammtec.com

Prepared By: JAM/BMH
Reviewed By: AEM
Date: 05/14/25
Revision: N/A



Appendix C

(Verti-Block Cross Sections)



Section View - Wall 1

Scale: 1"=5'-0"

Notes:

Typical Section Displayed

All other sections should adhere to these same specifications unless specifically indicated otherwise.

Excavation Safety

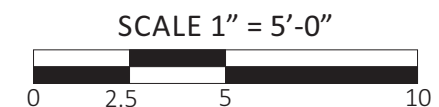
Soil excavation must be benched to meet OSHA compliance standards.

Retaining Wall Protection

Divert all surface water in a positive direction away from the wall. These protective measures should be implemented both during and after wall construction, and shall be maintained until all final drainage, landscaping, and paving work is finished.

Safety Barrier Recommendation

It is the responsibility the property owner to install a safety fence/barriers above the retaining wall. During fence/barrier installation, for properties, reactions, and utilities, contractor to maintain the integrity of Verti-Block members and related Geogrid systems and connections. AMMTEC should be contacted for any potential construction impacts to wall including surcharge additions prior to construction.



Project Number: AZ 2025

Engineered By: Alan E. Money

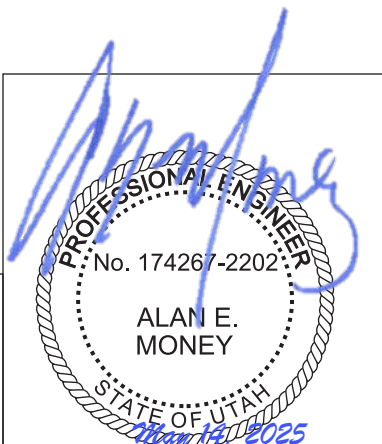
Scale: 1"=5'-0"

DRAWING TITLE: VERTI-BLOCK RETAINING WALLS
-WALL 1-

SHEET NUMBER:
40

PROJECT NAME: SUNDOWN CONDOS PHASE 2
6550 NORTH POWDER MOUNTAIN ROAD, EDEN, UT

AMMTec CONSULTANTS, PLLC
CONSULTING ENGINEERING SERVICES
2447 West 12th Street, Ste #1
Tempe, Arizona 85281
E-Mail: ammttec@ammttec.com
Phone: 480 927-9696
Fax: 480 927-9797
www.ammttec.com
Prepared By: JAM/BMH
Reviewed By: AEM
Date: 05/14/25
Revision: N/A



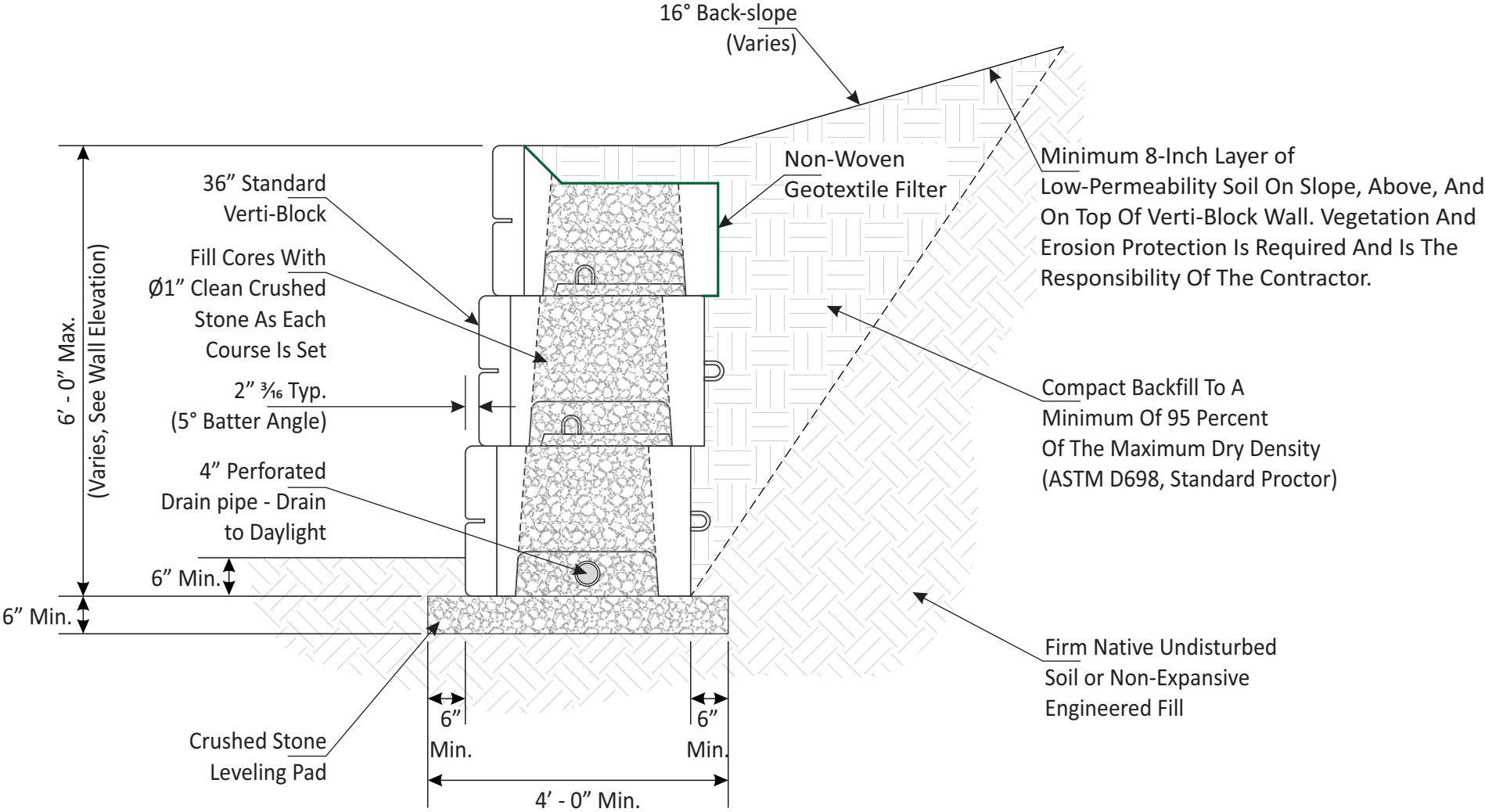
Notes:

Typical Section Displayed
All other sections should adhere to these same specifications unless specifically indicated otherwise.

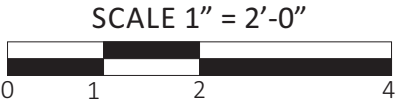
Excavation Safety
Soil excavation must be benched to meet OSHA compliance standards.

Retaining Wall Protection
Divert all surface water in a positive direction away from the wall. These protective measures should be implemented both during and after wall construction, and shall be maintained until all final drainage, landscaping, and paving work is finished.

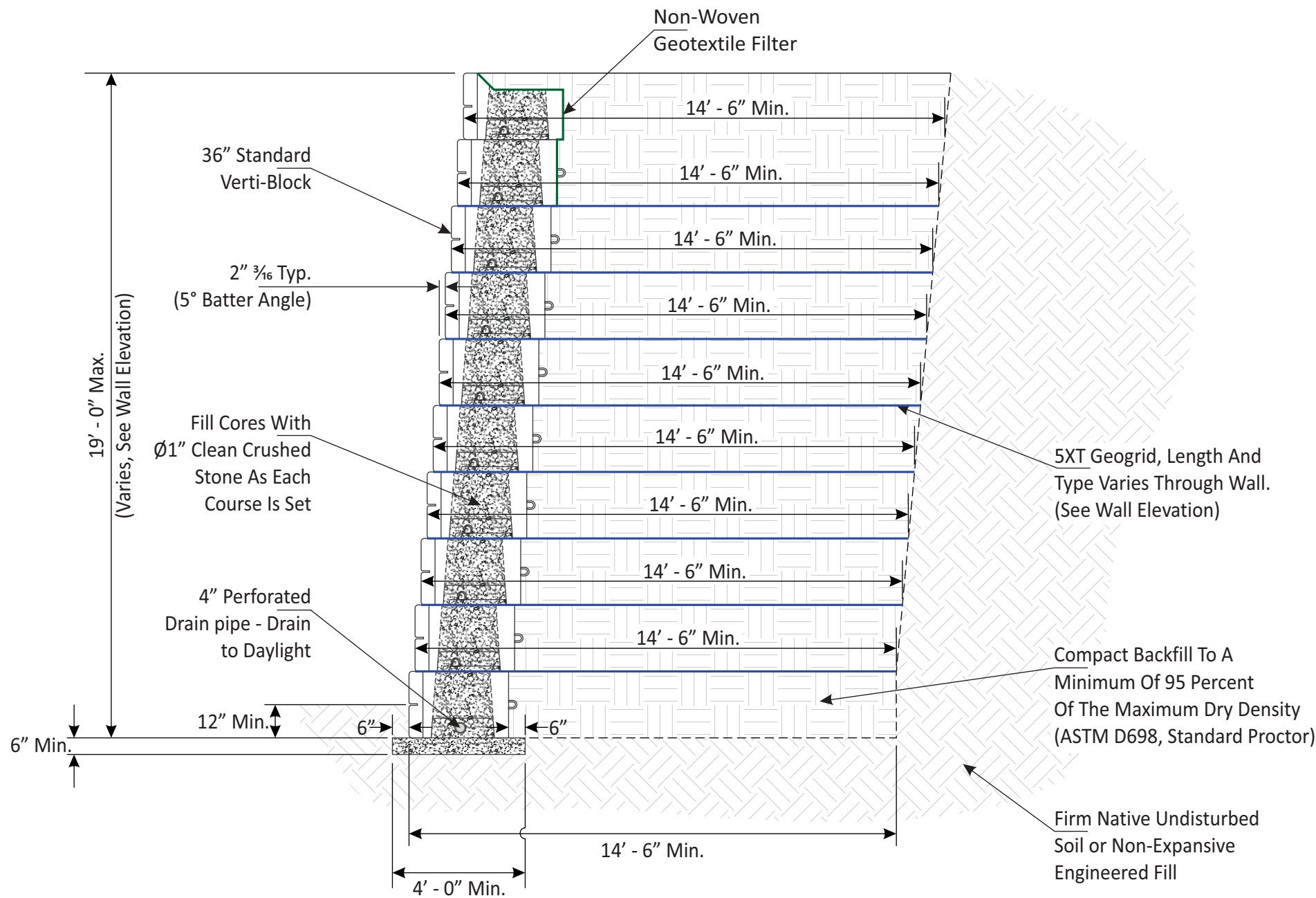
Safety Barrier Recommendation
It is the responsibility the property owner to install a safety fence/barriers above the retaining wall. During fence/barrier installation, for properties, reactions, and utilities, contractor to maintain the integrity of Verti-Block members and related Geogrid systems and connections. AMMTEC should be contacted for any potential construction impacts to wall including surcharge additions prior to construction.



Section View - Wall 2
Scale: 1"=2'-0"



Project Number: AZ 2025	DRAWING TITLE: VERTI-BLOCK RETAINING WALLS -WALL 2-	SHEET NUMBER: 41	AMMTec CONSULTANTS, PLLC <i>CONSULTING ENGINEERING SERVICES</i> 2447 West 12th Street, Ste #1 Tempe, Arizona 85281 E-Mail: ammttec@ammttec.com Phone: 480 927-9696 Fax: 480 927-9797 www.ammttec.com	Prepared By: JAM/BMH Reviewed By: AEM Date: 05/14/25 Revision: N/A	
Engineered By: Alan E. Money					
Scale: 1"=2'-0"	PROJECT NAME: SUNDOWN CONDOS PHASE 2 6550 NORTH POWDER MOUNTAIN ROAD, EDEN, UT				



Section View - Wall 3

Scale: 1"=4'-0"

Notes:

Typical Section Displayed

All other sections should adhere to these same specifications unless specifically indicated otherwise.

Excavation Safety

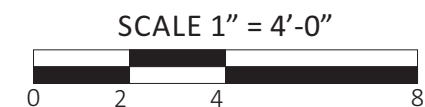
Soil excavation must be benched to meet OSHA compliance standards.

Retaining Wall Protection

Divert all surface water in a positive direction away from the wall. These protective measures should be implemented both during and after wall construction, and shall be maintained until all final drainage, landscaping, and paving work is finished.

Safety Barrier Recommendation

It is the responsibility the property owner to install a safety fence/barriers above the retaining wall. During fence/barrier installation, for properties, reactions, and utilities, contractor to maintain the integrity of Verti-Block members and related Geogrid systems and connections. AMMTEC should be contacted for any potential construction impacts to wall including surcharge additions prior to construction.



Project Number: AZ 2025	DRAWING TITLE: VERTI-BLOCK RETAINING WALLS -WALL 3-	SHEET NUMBER: 42	AMMTec CONSULTANTS, PLLC CONSULTING ENGINEERING SERVICES 2447 West 12th Street, Ste #1 Tempe, Arizona 85281 E-Mail: ammtec@ammtec.com Phone: 480 927-9696 Fax: 480 927-9797 www.ammtec.com		Prepared By: JAM/BMH Reviewed By: AEM Date: 05/14/25 Revision: N/A	
Engineered By: Alan E. Money						
Scale: 1"=4'-0"						

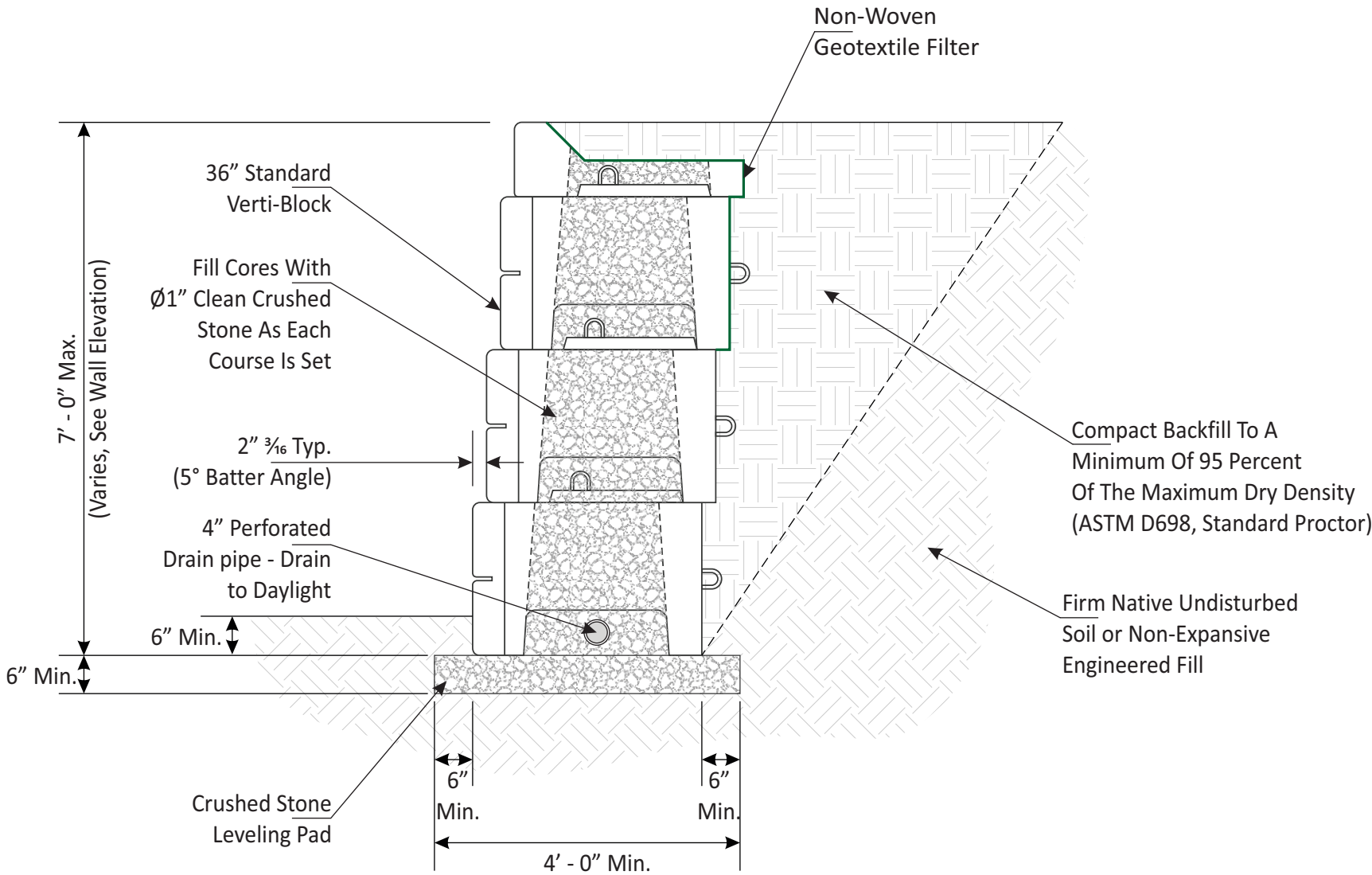
Notes:

Typical Section Displayed
All other sections should adhere to these same specifications unless specifically indicated otherwise.

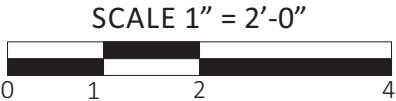
Excavation Safety
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Retaining Wall Protection
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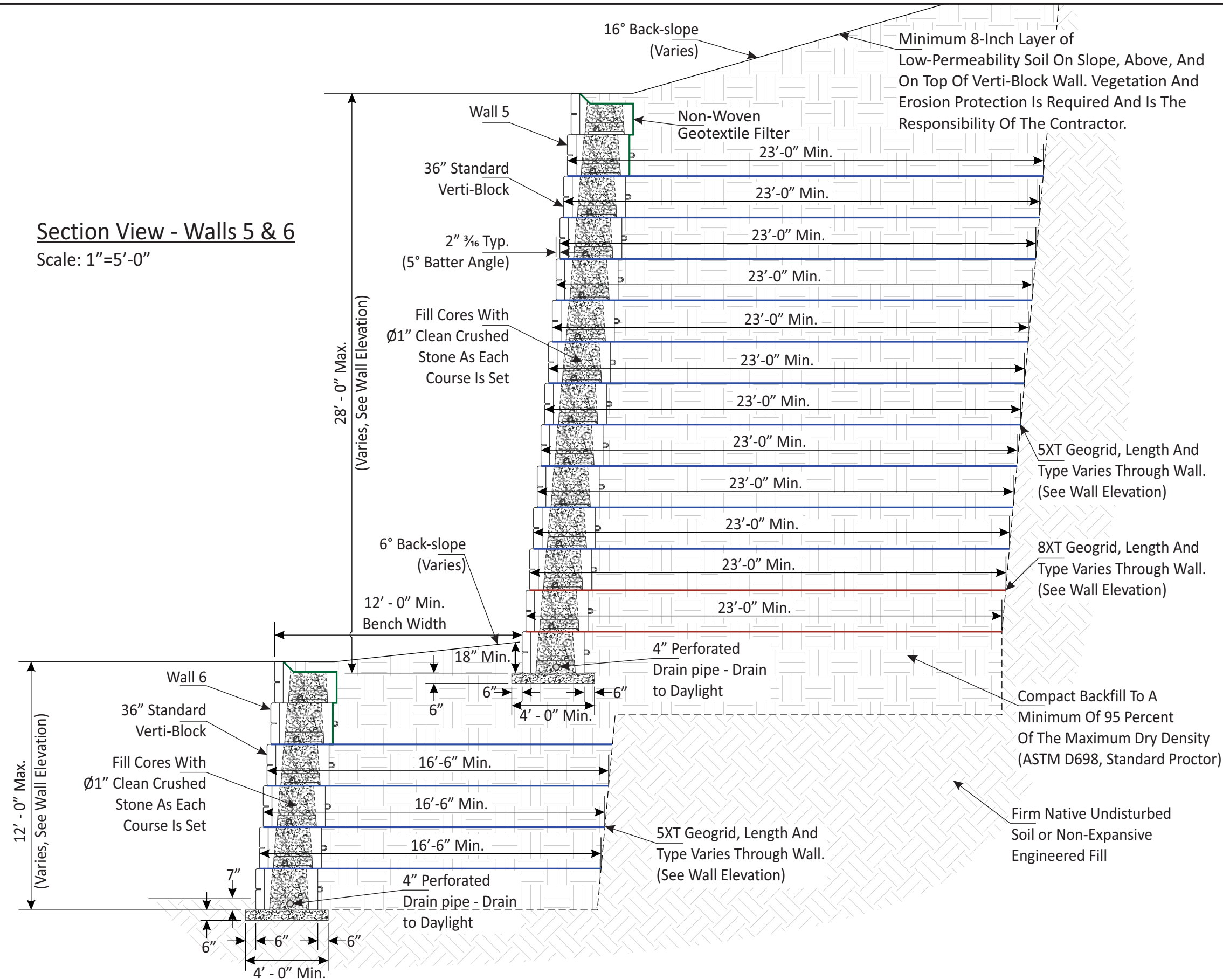


Section View - Wall 4
Scale: 1"=2'-0"



Project Number: AZ 2025	DRAWING TITLE: VERTI-BLOCK RETAINING WALLS -WALL 4-	SHEET NUMBER: 43	AMMTec CONSULTANTS, PLLC <i>CONSULTING ENGINEERING SERVICES</i> 2447 West 12th Street, Ste #1 Tempe, Arizona 85281 E-Mail: ammtec@ammtec.com Phone: 480 927-9696 Fax: 480 927-9797 www.ammtec.com	Prepared By: JAM/BMH Reviewed By: AEM Date: 05/14/25 Revision: N/A	
Engineered By: Alan E. Money					
Scale: 1"=2'-0"	PROJECT NAME: SUNDOWN CONDOS PHASE 2 6550 NORTH POWDER MOUNTAIN ROAD, EDEN, UT				

Section View - Walls 5 & 6
Scale: 1"=5'-0"



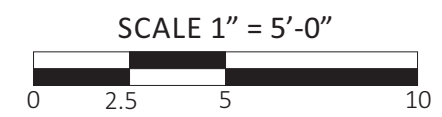
Notes:

Typical Section Displayed
All other sections should adhere to these same specifications unless specifically indicated otherwise.

Excavation Safety
Soil excavation must be benched to meet OSHA compliance standards.

Retaining Wall Protection
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Project Number: AZ 2025	DRAWING TITLE: VERTI-BLOCK RETAINING WALLS -WALLS 5 & 6-	SHEET NUMBER: 44	AMMTec CONSULTANTS, PLLC <i>CONSULTING ENGINEERING SERVICES</i> 2447 West 12th Street, Ste #1 Tempe, Arizona 85281 E-Mail: ammttec@ammtec.com Phone: 480 927-9696 Fax: 480 927-9797 www.ammttec.com
Engineered By: Alan E. Money	PROJECT NAME: SUNDOWN CONDOS PHASE 2 6550 NORTH POWDER MOUNTAIN ROAD, EDEN, UT		
Scale: 1"=5'-0"			

Prepared By: JAM/BMH
Reviewed By: AEM
Date: 05/14/25
Revision: N/A

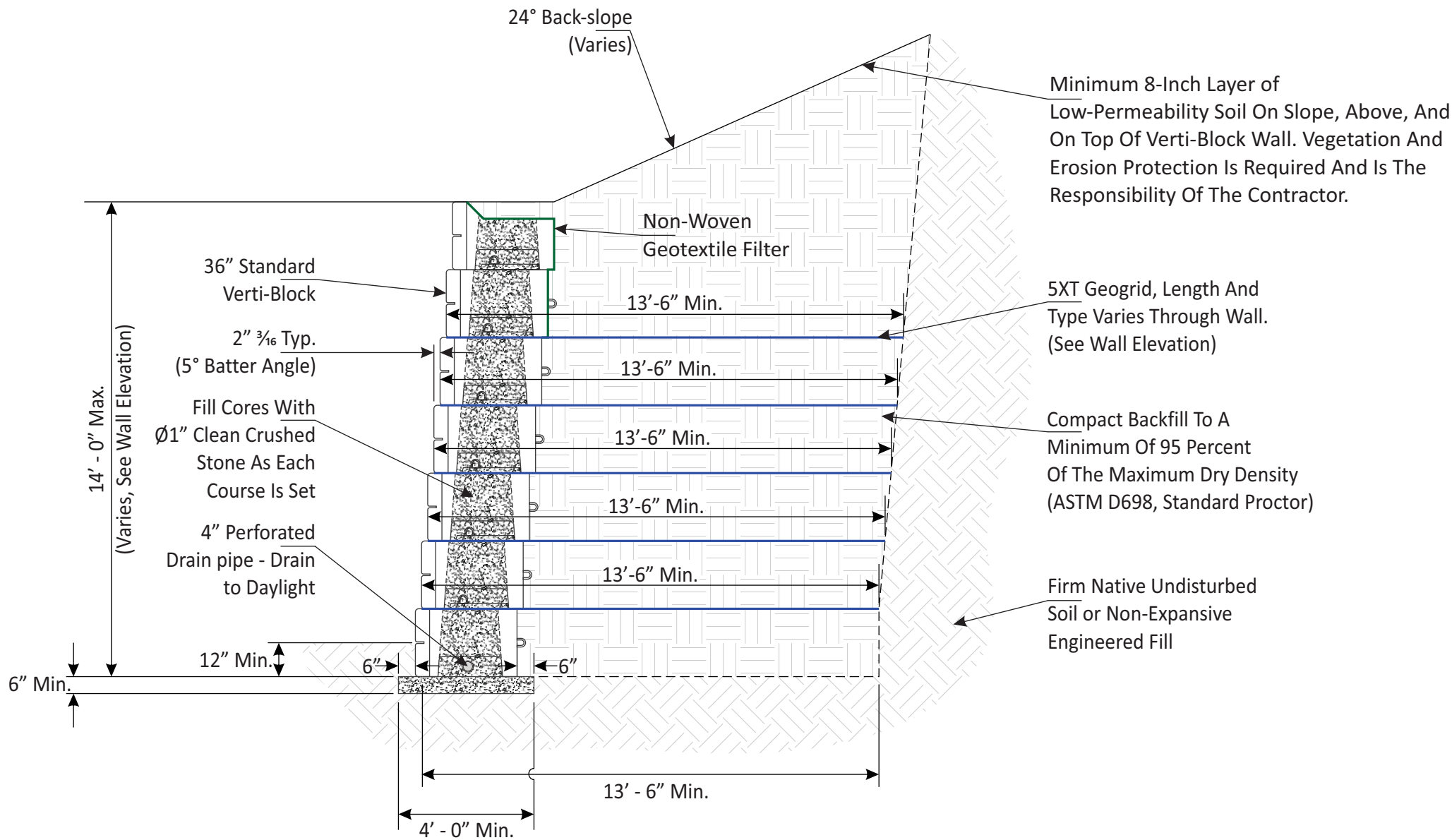
Notes:

Typical Section Displayed
All other sections should adhere to these same specifications unless specifically indicated otherwise.

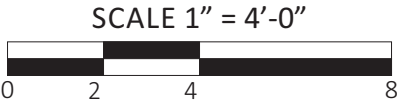
Excavation Safety
Soil excavation must be benched to meet OSHA compliance standards.

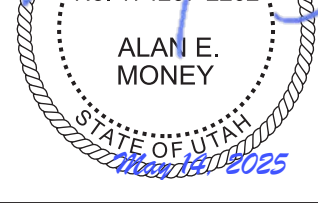
Retaining Wall Protection
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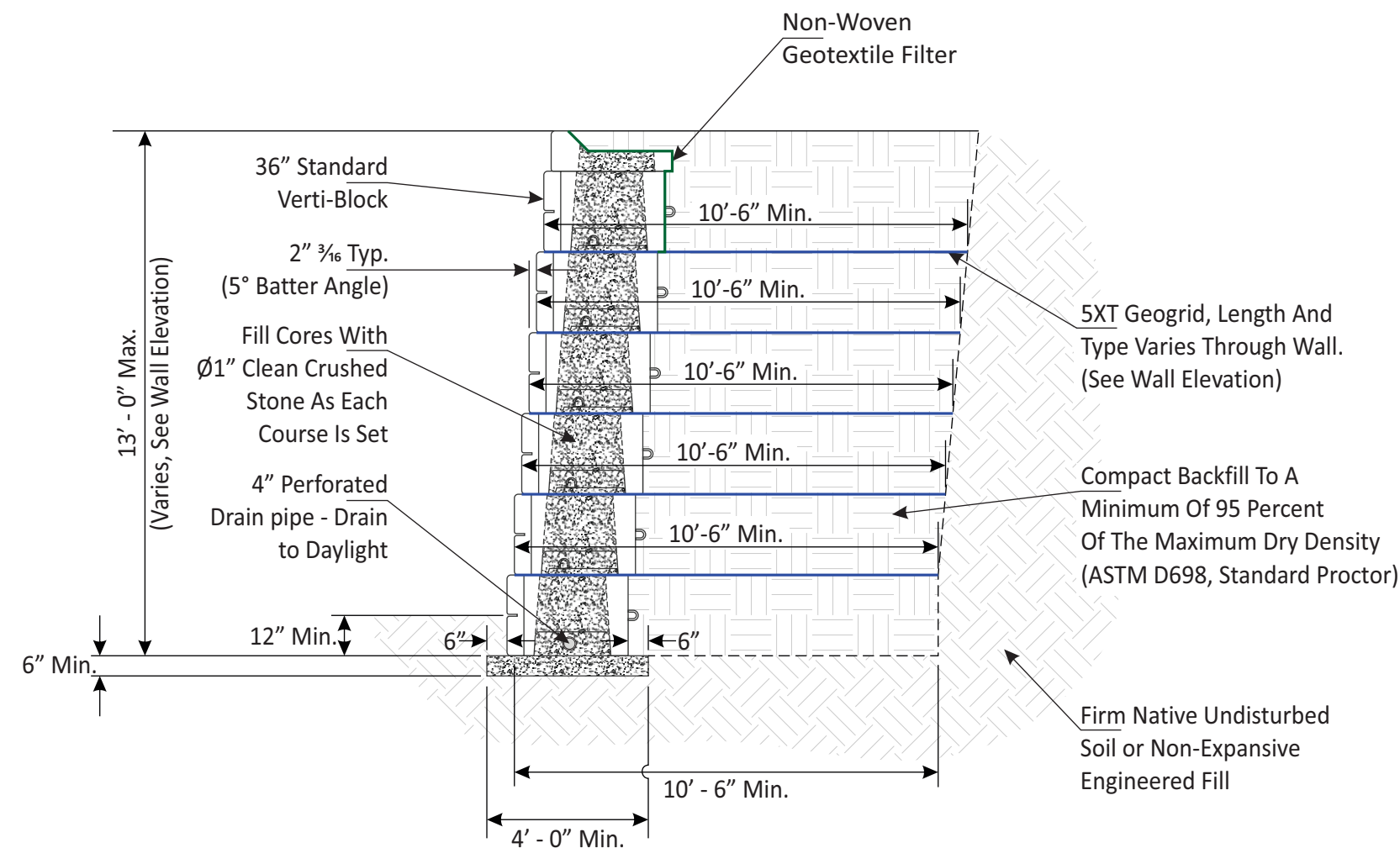
Safety Barrier Recommendation
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Section View - Wall 7
Scale: 1"=4'-0"



Project Number: AZ 2025	DRAWING TITLE: VERTI-BLOCK RETAINING WALLS -WALL 7-	SHEET NUMBER: 45	AMMTec CONSULTANTS, PLLC CONSULTING ENGINEERING SERVICES 2447 West 12th Street, Ste #1 Tempe, Arizona 85281 E-Mail: ammttec@ammttec.com Phone: 480 927-9696 Fax: 480 927-9797 www.ammttec.com	Prepared By: JAM/BMH Reviewed By: AEM Date: 05/14/25 Revision: N/A	
Engineered By: Alan E. Money					
Scale: 1"=4'-0"					



Section View - Wall 8

Scale: 1"=4'-0"

Notes:

Typical Section Displayed

All other sections should adhere to these same specifications unless specifically indicated otherwise.

Excavation Safety

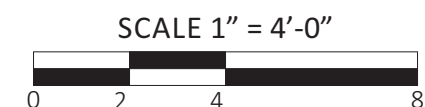
Soil excavation must be benched to meet OSHA compliance standards.

Retaining Wall Protection

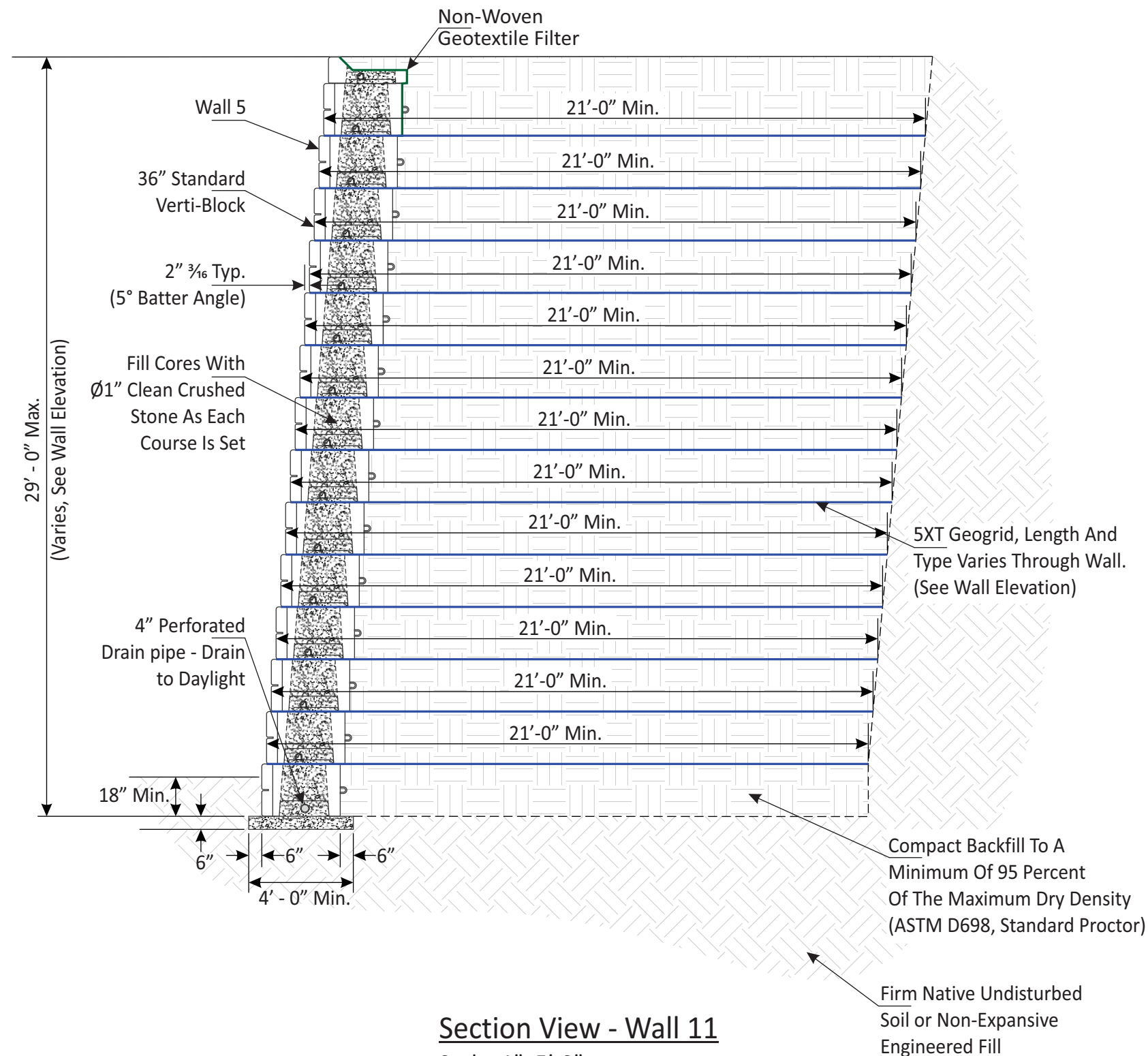
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Project Number: AZ 2025	DRAWING TITLE: VERTI-BLOCK RETAINING WALLS -WALL 8-	SHEET NUMBER: 46	AMMTEC CONSULTANTS, PLLC CONSULTING ENGINEERING SERVICES 2447 West 12th Street, Ste #1 Tempe, Arizona 85281 E-Mail: ammtec@ammtec.com Phone: 480 927-9696 Fax: 480 927-9797 www.ammtec.com	Prepared By: JAM/BMH Reviewed By: AEM Date: 05/14/25 Revision: N/A	
Engineered By: Alan E. Money					
Scale: 1"=4'-0"	PROJECT NAME: SUNDOWN CONDOS PHASE 2 6550 NORTH POWDER MOUNTAIN ROAD, EDEN, UT				



Notes:

Typical Section Displayed

All other sections should adhere to these same specifications unless specifically indicated otherwise.

Excavation Safety

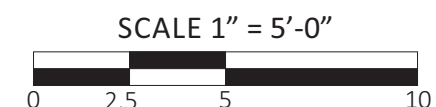
Soil excavation must be benched to meet OSHA compliance standards.

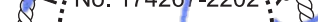
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Project Number: AZ 2025	DRAWING TITLE: VERTI-BLOCK RETAINING WALLS -WALL 11-	SHEET NUMBER: 48		
Engineered By: Alan E. Money				
Scale: 1"=5'-0"				
PROJECT NAME: SUNDOWN CONDOS PHASE 2 6550 NORTH POWDER MOUNTAIN ROAD, EDEN, UT		CONSULTING ENGINEERING SERVICES 2447 West 12th Street, Ste #1 Phone: 480 927-9696 Tempe, Arizona 85281 Fax: 480 927-9797 E-Mail: ammttec@ammtec.com www.ammtec.com		
		Prepared By: JAM/BMH Reviewed By: AEM Date: 05/14/25 Revision: N/A		