

STONE STRONG SYSTEM - GRAVITY RETAINING WALL

PREPARED FOR

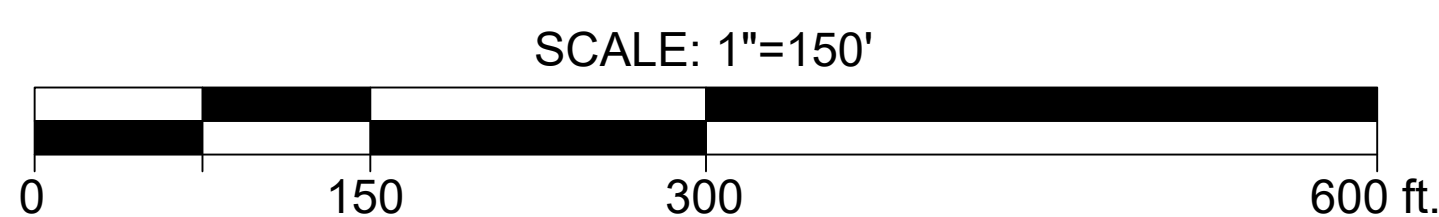
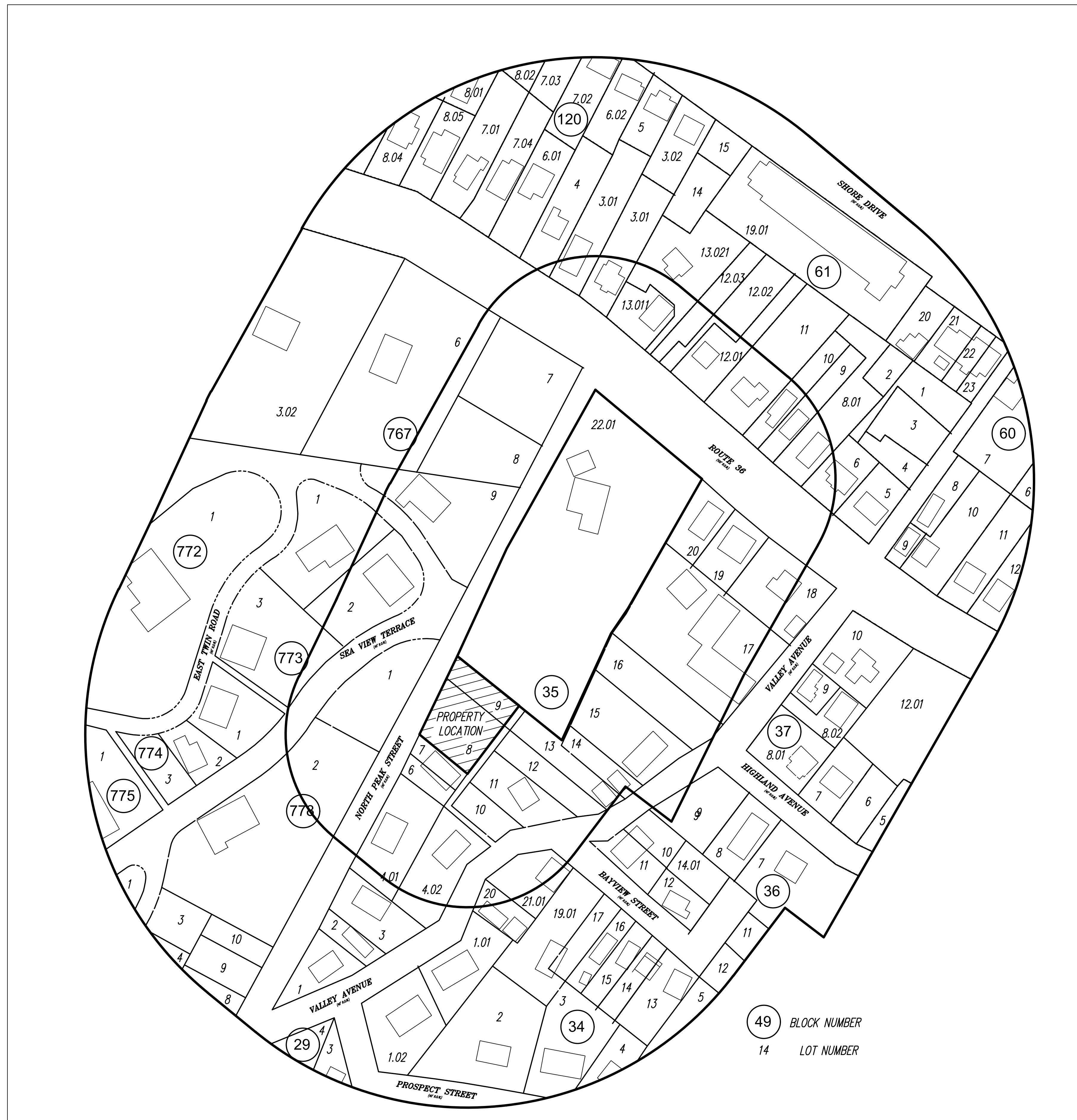
HOME & LAND DEVELOPMENT

NORTH PEAK STREET PROJECT

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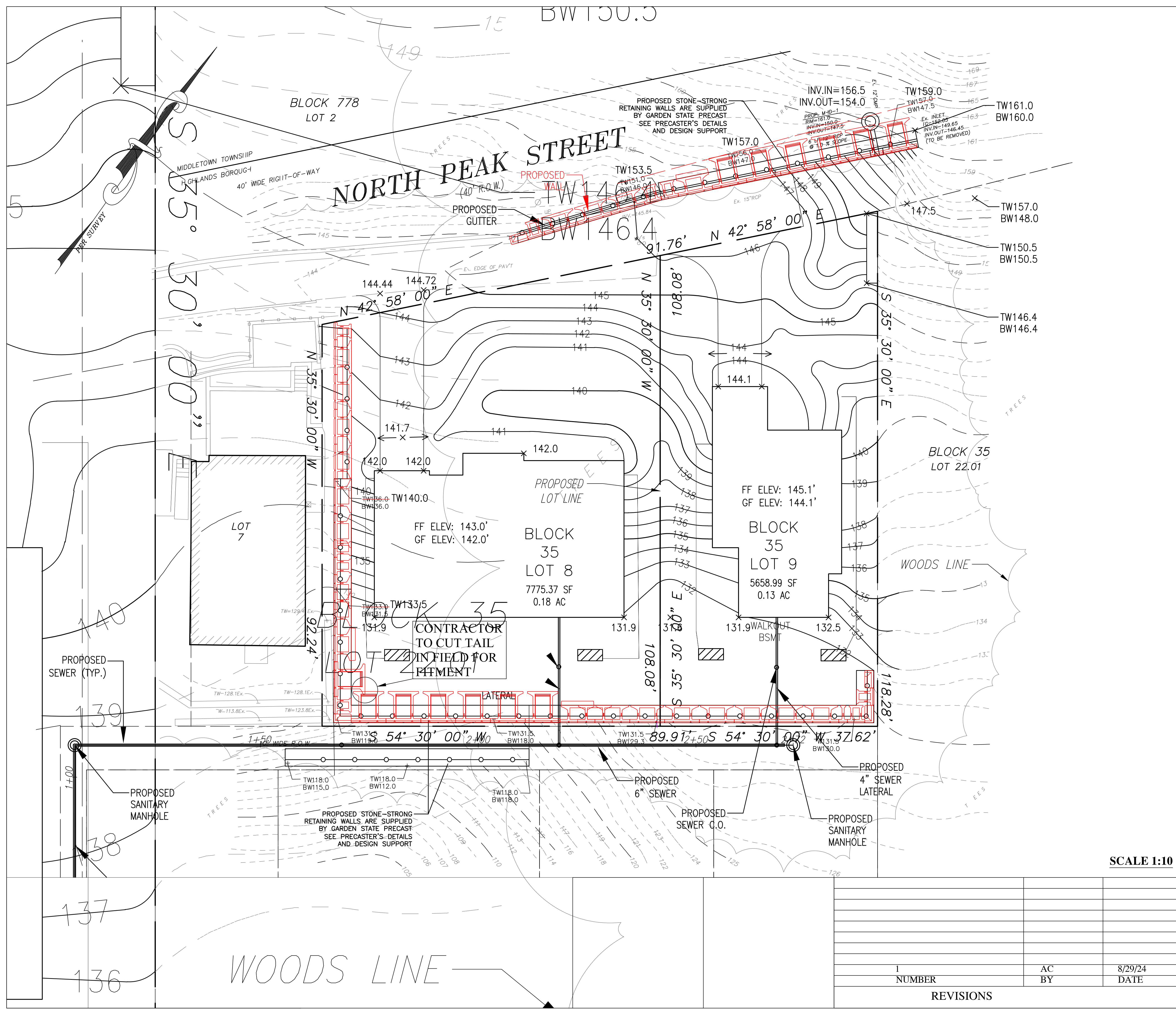
- 1. COVER PAGE
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- 3. STONE STRONG WALL OVERLAY AND QTY.
- 4. STONE STRONG WALL SECTIONS
- 5. STONE STRONG STANDARD DETAILS
- 6. STONE STRING BLOCK REFERENCE
- 7. NOTES

GARDEN STATE PRECAST
P.O. BOX 702
FARMINGDALE, NJ 07727
732-938-4436
732-938-7096 - FAX



REVISIONS	
1	AC 8/29/24
NUMBER	BY DATE





NORTH PEAK STREET WALL

BLOCKTYPE	BLOCKSQ. FT.	QUANTITY	TOTAL SQ. FT.
S	9	11	99
T	9	2	18
U	3	0	0
V	3	0	0
W	6	6	36
X	6	10	60
Y	24	5	120
Z	24	12	288
Z12	24	7	168
Z86	24	6	144
TOTAL		59	933

REAR WALL

BLOCKTYPE	BLOCKSQ. FT.	QUANTITY	TOTAL SQ. FT.
S	9	12	108
T	9	12	108
U	3	2	6
V	3	11	33
W	6	11	66
X	6	15	90
Y	24	17	408
Z	24	29	696
Z12	24	9	216
Z86	24	13	312
TOTAL		131	2043

SCALE 1:10

STONE STRONG WALL OVERLAY AND QTY.

STONE STRONG SYSTEM - GRAVITY RETAINING WALL

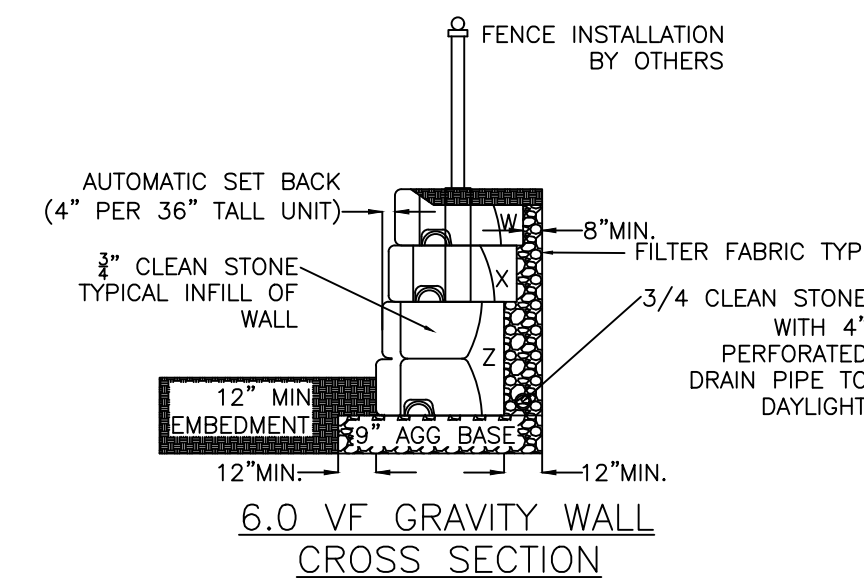
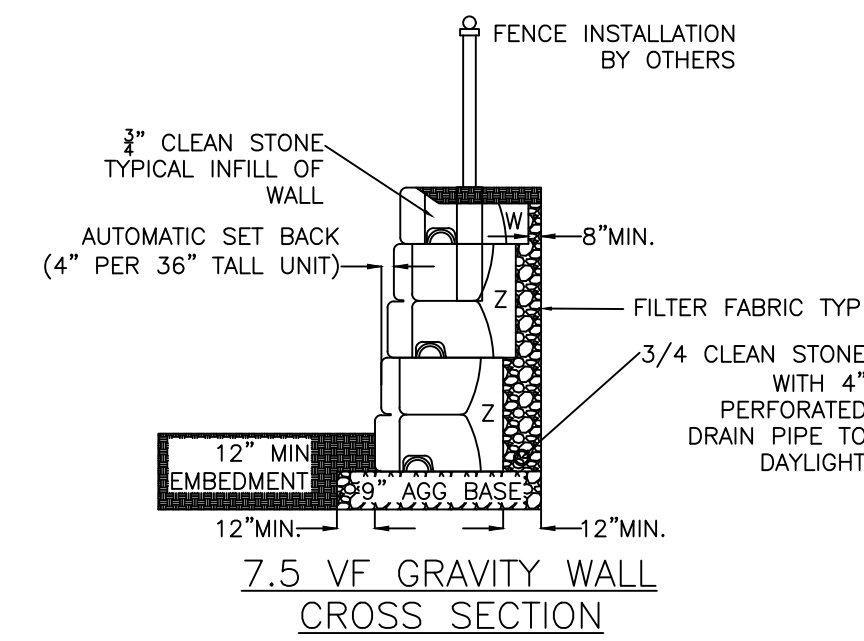
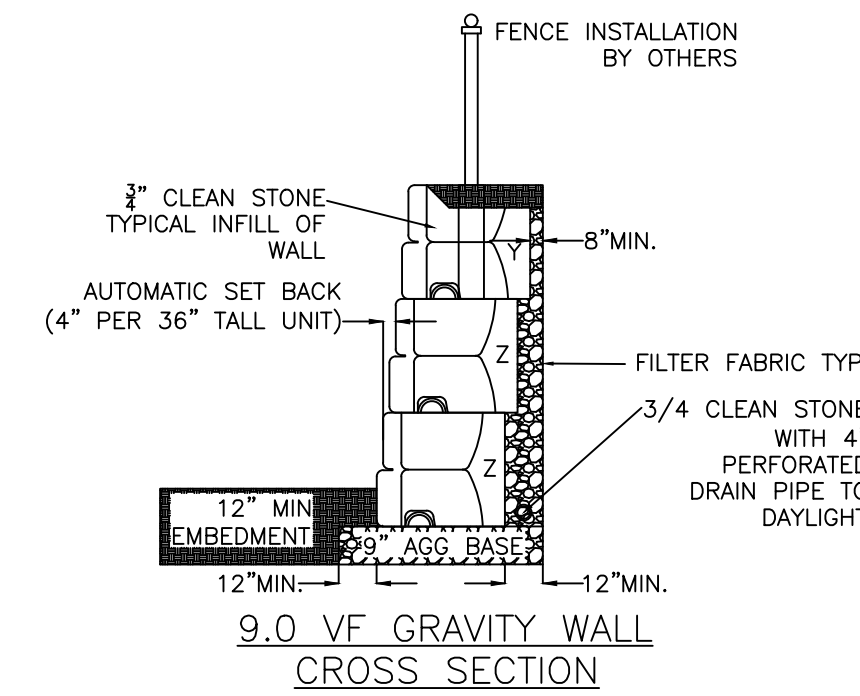
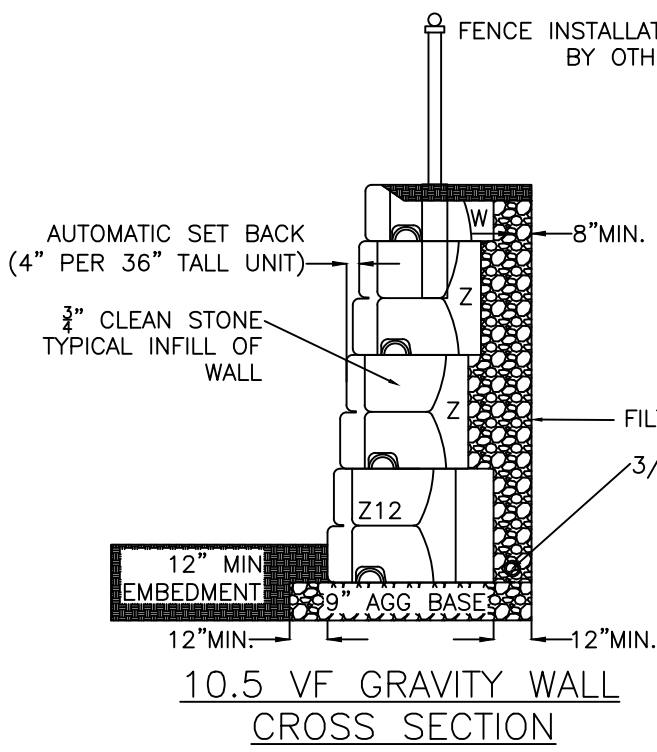
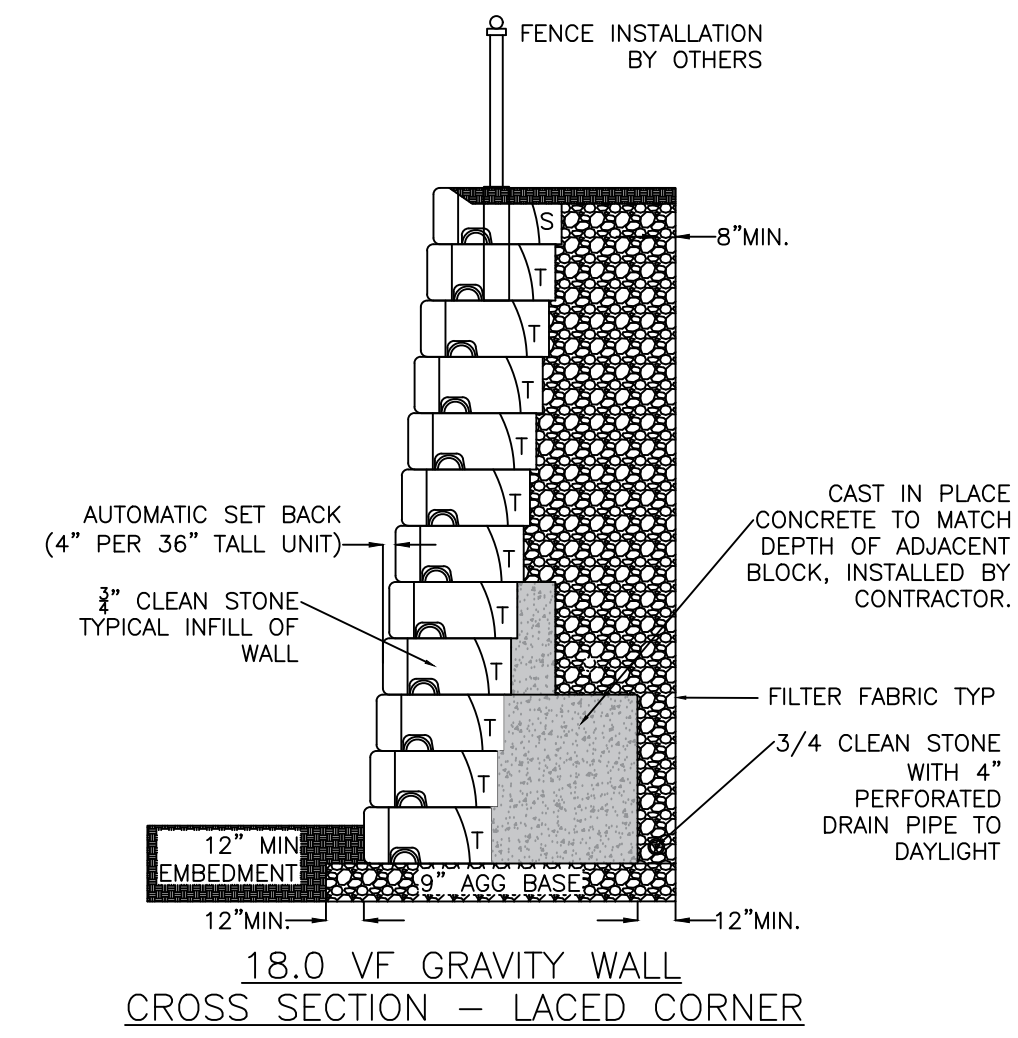
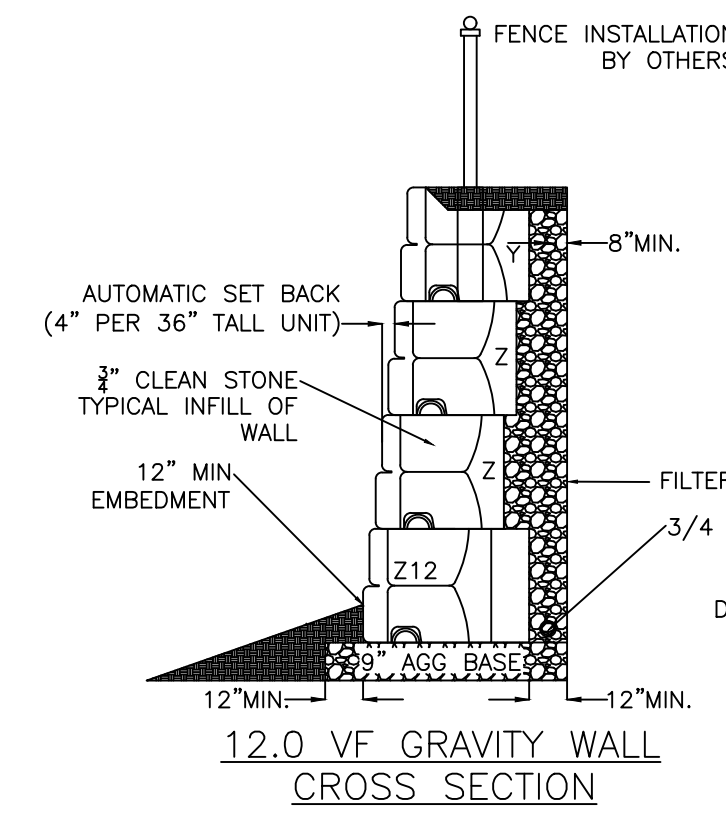
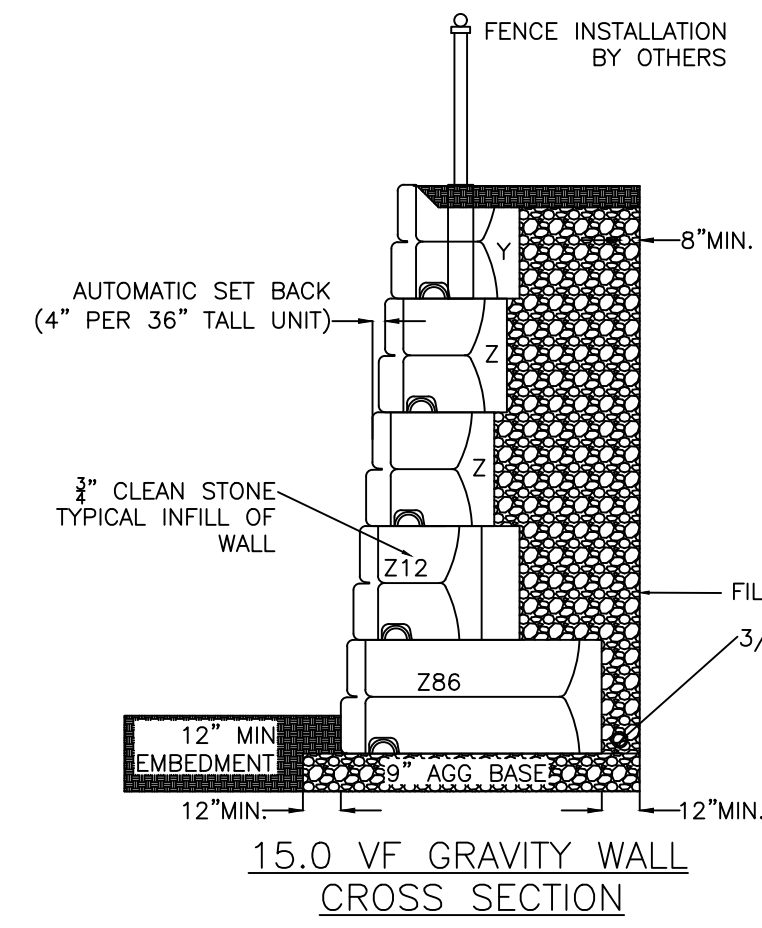
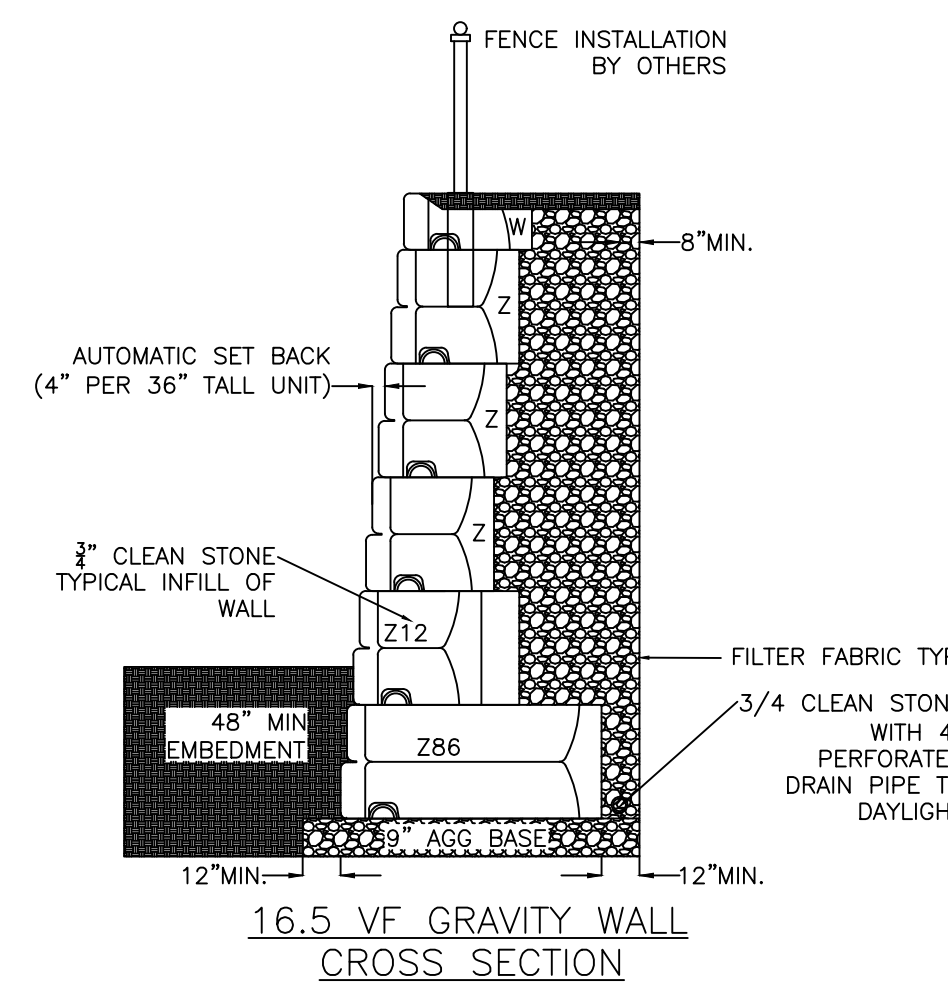
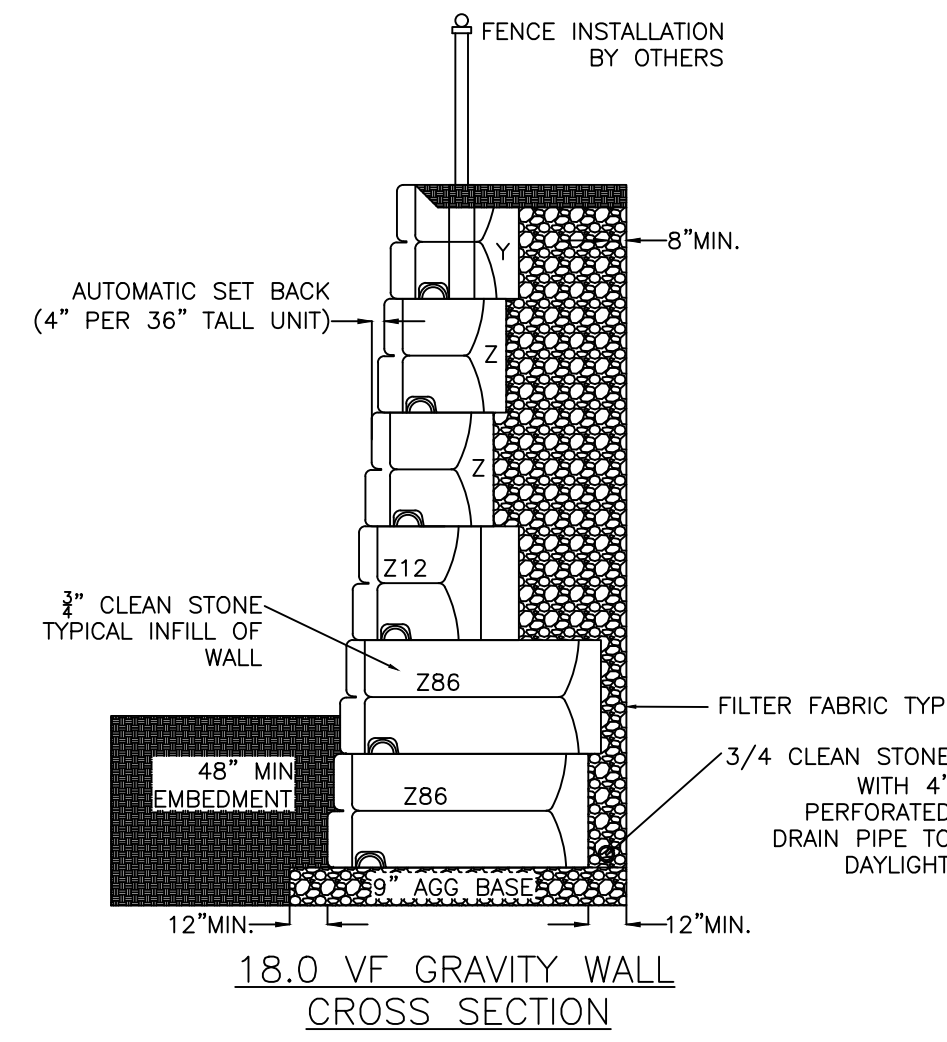
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NORTH PEAK STREET

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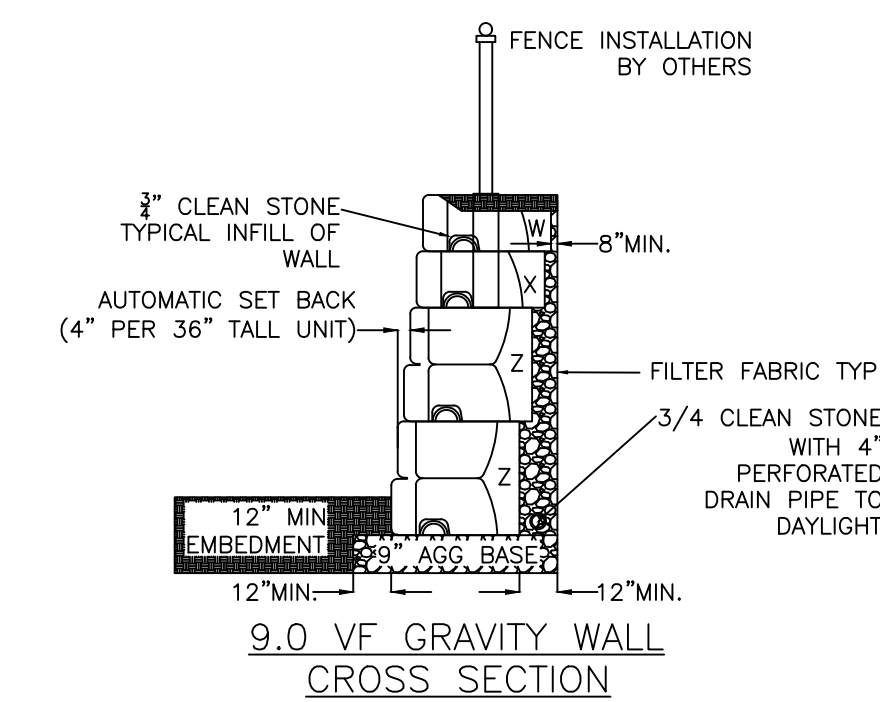
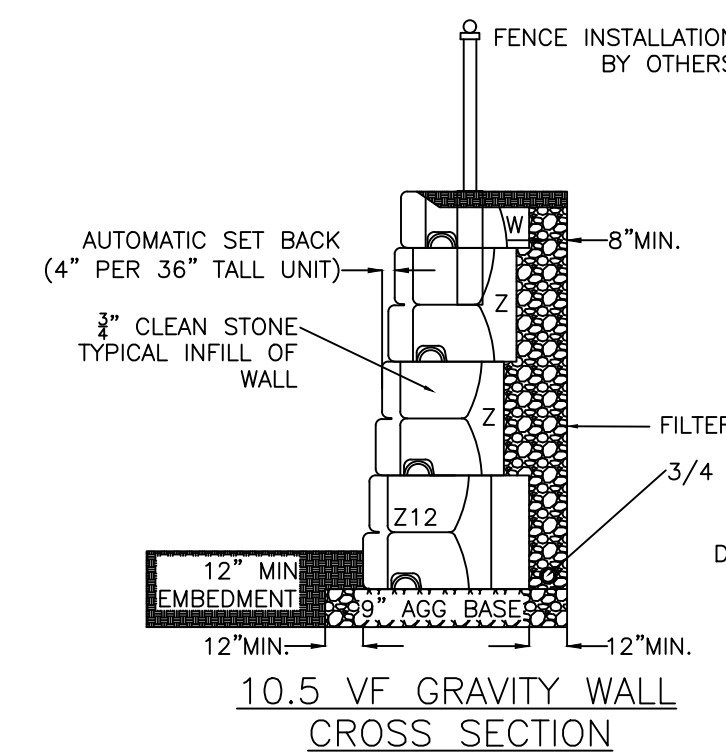
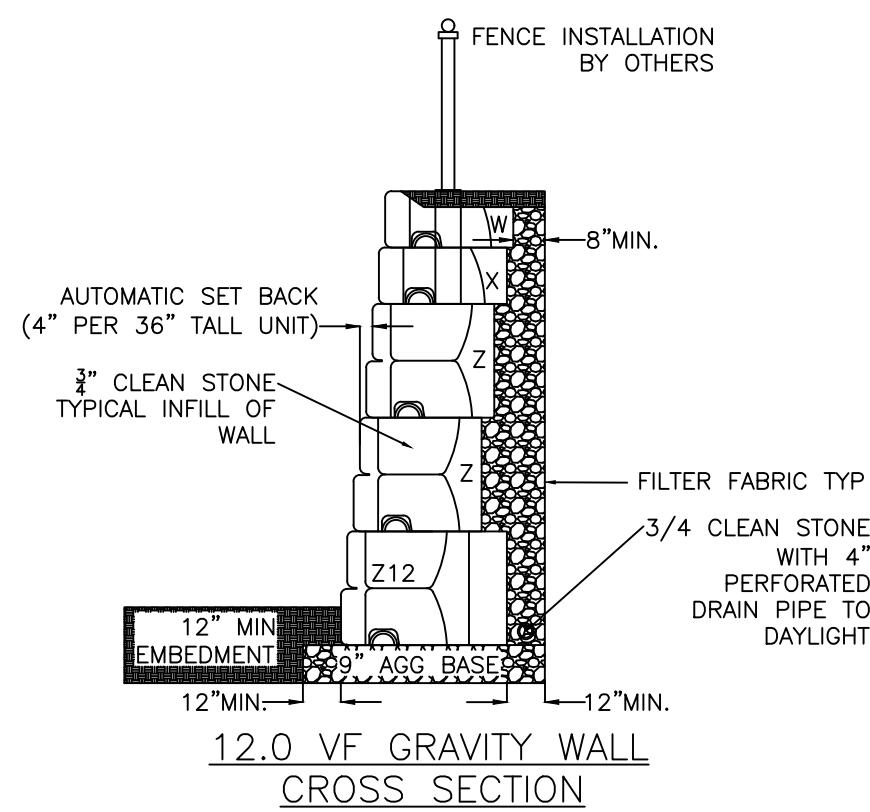
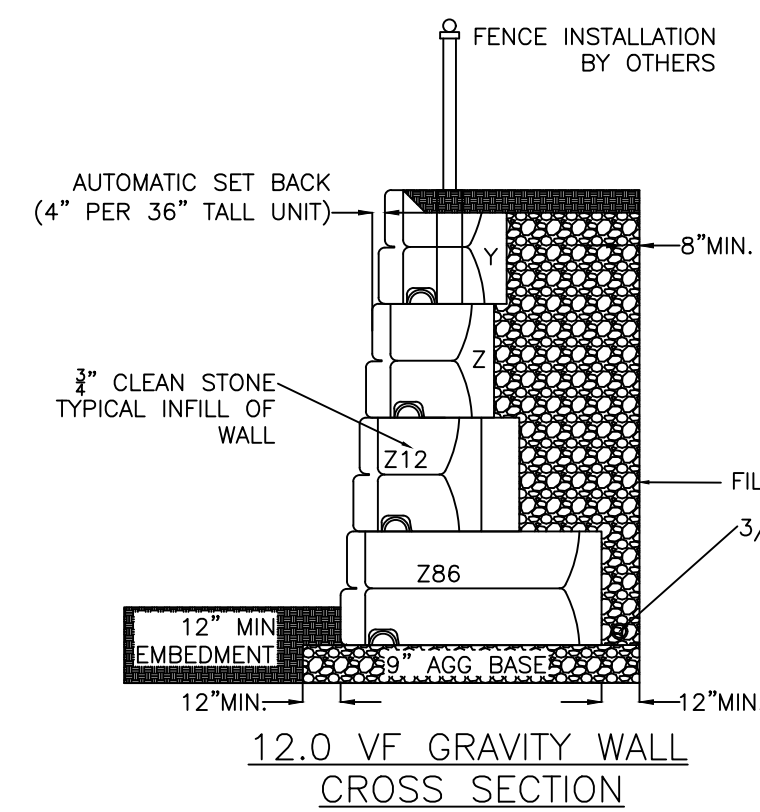
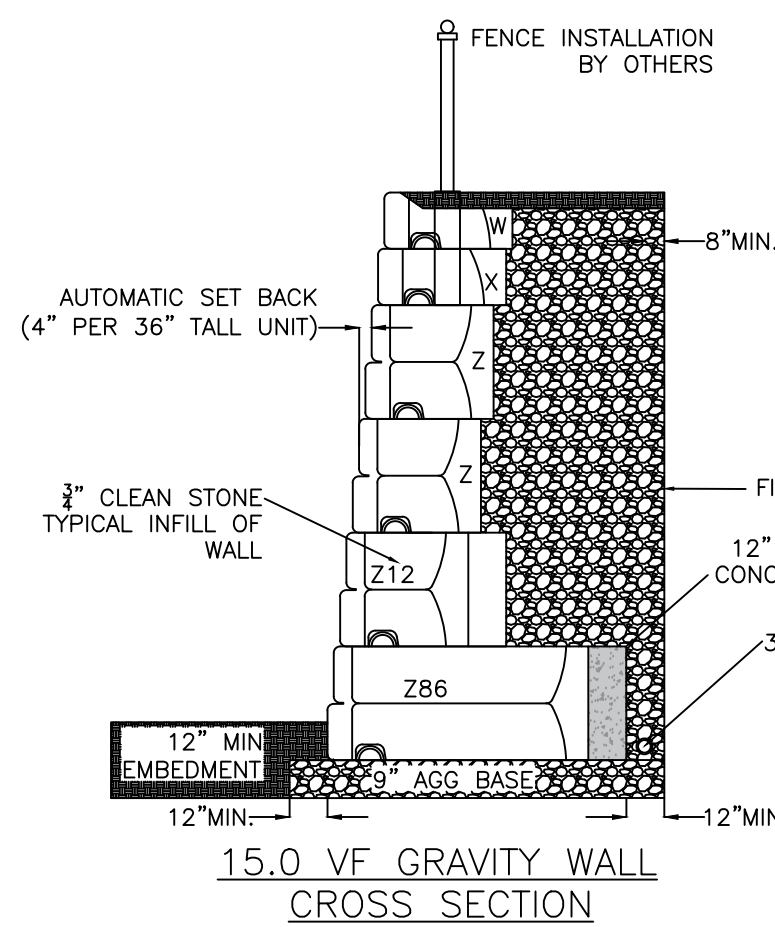
SHEET 3 OF 7

NO.	DESCRIPTION	DATE
1	NUMBER	8/29/24
	BY	DATE

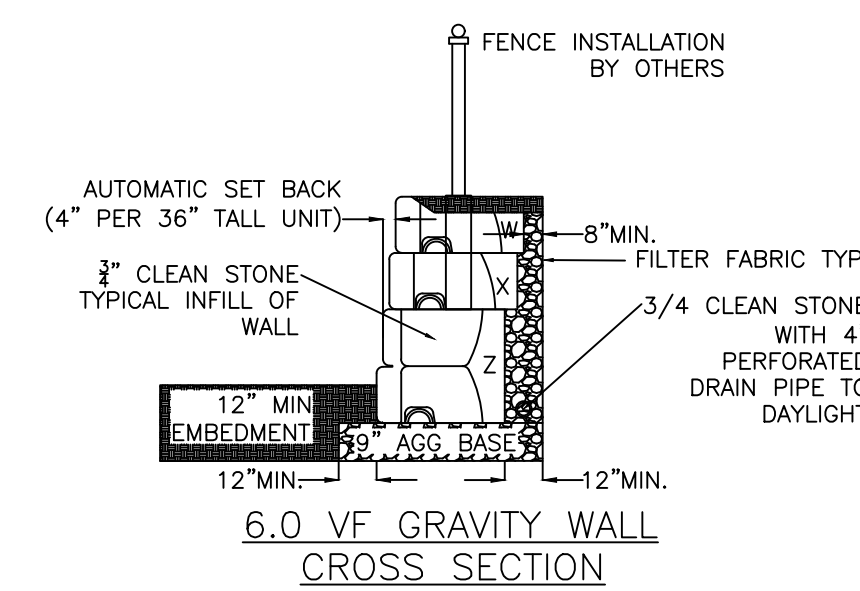
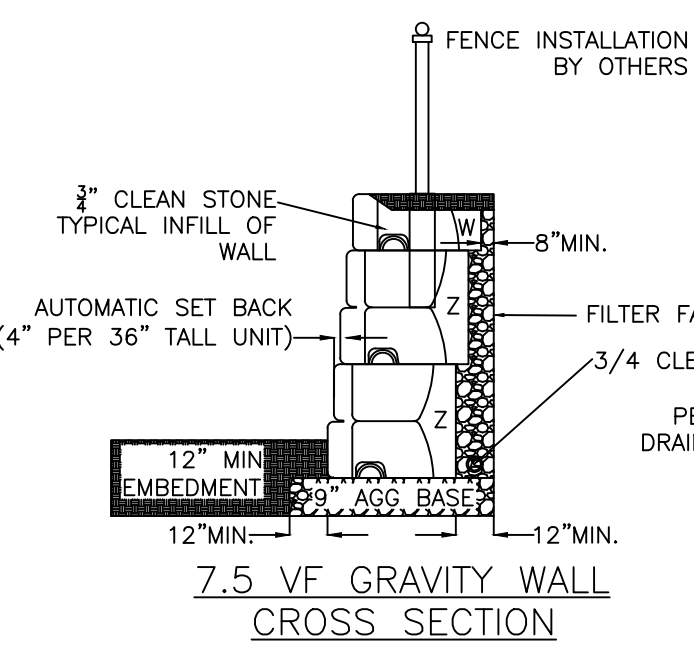
REVISIONS



REAR WALL SECTIONS



NORTH PEAK STREET WALL SECTIONS



NOT TO SCALE

NUMBER	BY	DATE
1	AC	8/29/24
REVISIONS		

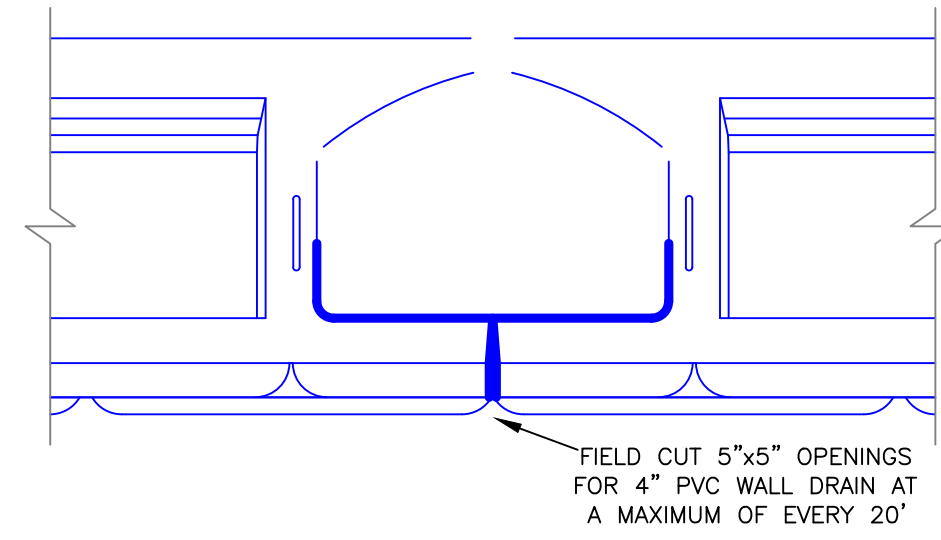
STONE STRONG WALL SECTIONS

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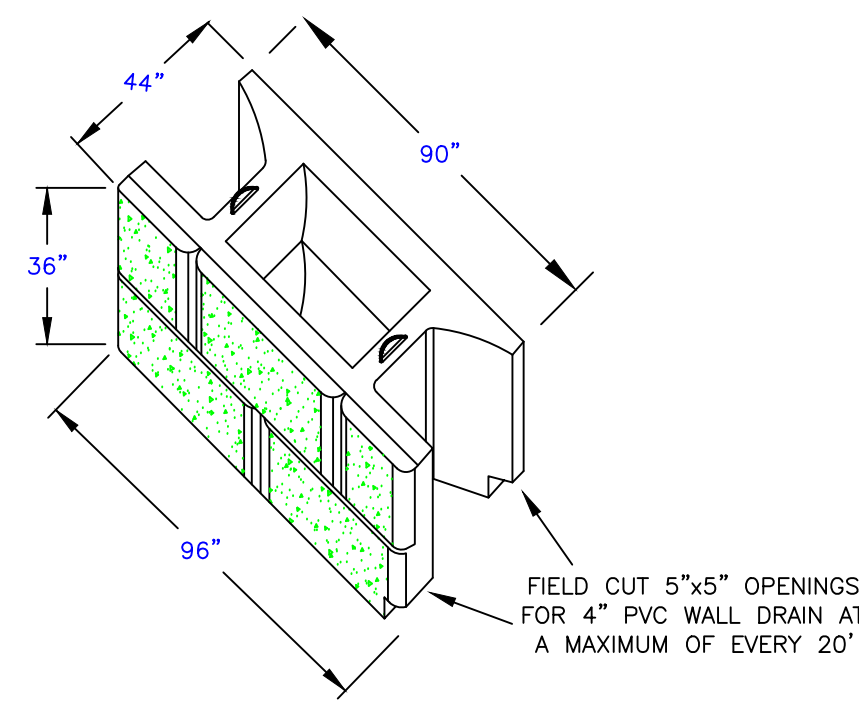




FIELD CUT 5"x5" OPENINGS FOR 4" PVC WALL DRAIN AT A MAXIMUM OF EVERY 20"

ALTERNATE DRAIN PIPE LOCATION WITH THROUGH WALL PENETRATION

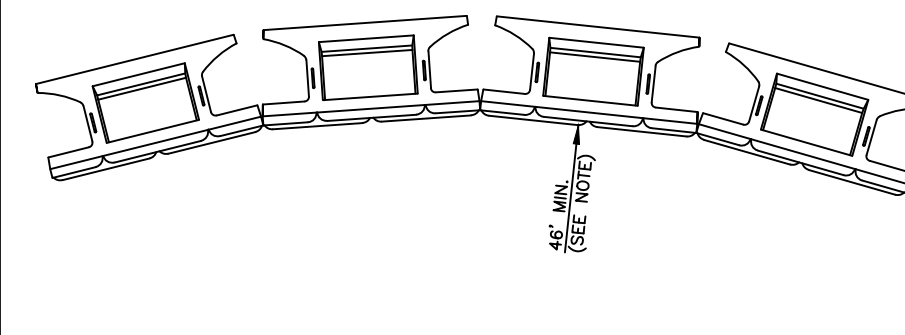
PROJECT
TYPICAL DETAILS
STONE STRONG SYSTEMS
www.stonestrongs.com
DATE: 6/29/18 | FILE: 52_Def_TotExtConnect



FIELD CUT 5"x5" OPENINGS FOR 4" PVC WALL DRAIN AT A MAXIMUM OF EVERY 20"

DRAIN PIPE BLOCK CUT OUT

PROJECT
TYPICAL DETAILS
STONE STRONG SYSTEMS
www.stonestrongs.com
DATE: 6/29/18 | FILE: 52_Def_TotExtConnect

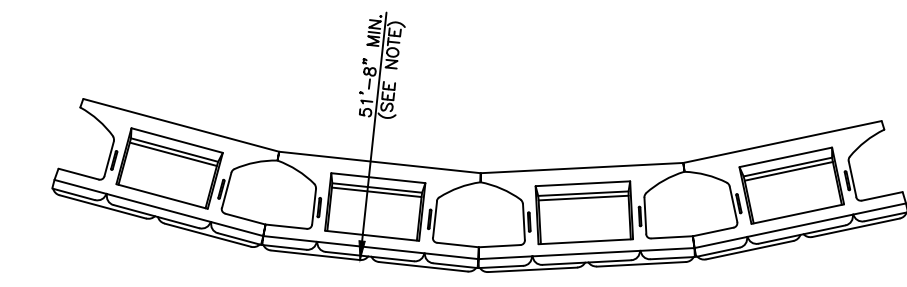


Wall Height (ft)	Total # of Courses	Reqd. Radius at Top Course
6	2	48' 0"
9	3	48' 0"
12	4	47' 0"
15	5	47' 0"
18	6	47' 0"
21	7	48' 0"
24	8	48' 0"

NOTE: MINIMUM RADIUS OCCURS AT LOWEST COURSE. RADIUS INCREASES 4" PER COURSE ABOVE, AS SHOWN ON TABLE.

MINIMUM CONCAVE RADIUS-24SF UNITS
NOT TO SCALE

PROJECT
TYPICAL DETAILS
STONE STRONG SYSTEMS
www.stonestrongs.com
DATE: 2/10/16 | FILE: 11_24sf_RadMin.Concave

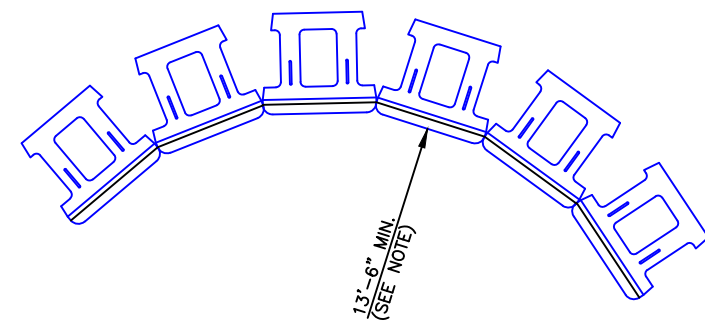


Wall Height (ft)	Total # of Courses	Reqd. Radius at First Course
6	2	52' 0"
9	3	52' 4"
12	4	52' 8"
15	5	53' 0"
18	6	53' 4"
21	7	53' 8"
24	8	54' 0"

NOTE: MINIMUM RADIUS OCCURS AT TOP COURSE. REQUIRED RADIUS INCREASES 4" PER COURSE BELOW, AS SHOWN ON TABLE.

MINIMUM CONVEX RADIUS-24SF UNITS
NOT TO SCALE

PROJECT
TYPICAL DETAILS
STONE STRONG SYSTEMS
www.stonestrongs.com
DATE: 2/10/16 | FILE: 12_24sf_RadMin.Convex

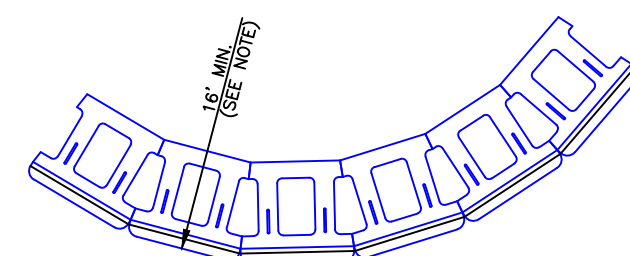


Wall Height (ft)	Total # of Courses	Reqd. Radius at Top Course
3	2	13' 8"
4 1/2	3	13' 10"
5	4	14' 0"
7 1/2	5	14' 2"
9	6	14' 4"
10 1/2	7	14' 6"
12	8	14' 8"

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

PROJECT
TYPICAL DETAILS
STONE STRONG SYSTEMS
www.stonestrongs.com
DATE: 2/10/16 | FILE: 13_Def_RadMin.Concave

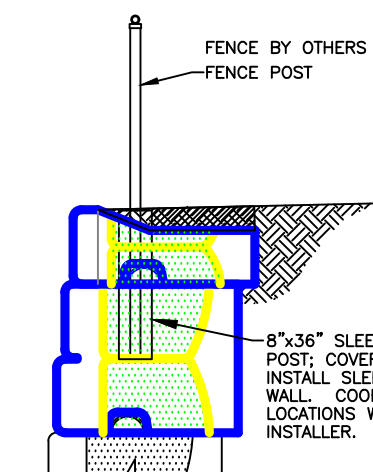


Wall Height (ft)	Total # of Courses	Reqd. Radius at First Course
3	2	16' 2"
4 1/2	3	16' 4"
6	4	16' 6"
7 1/2	5	16' 8"
9	6	16' 10"
10 1/2	7	17' 0"
12	8	17' 2"

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

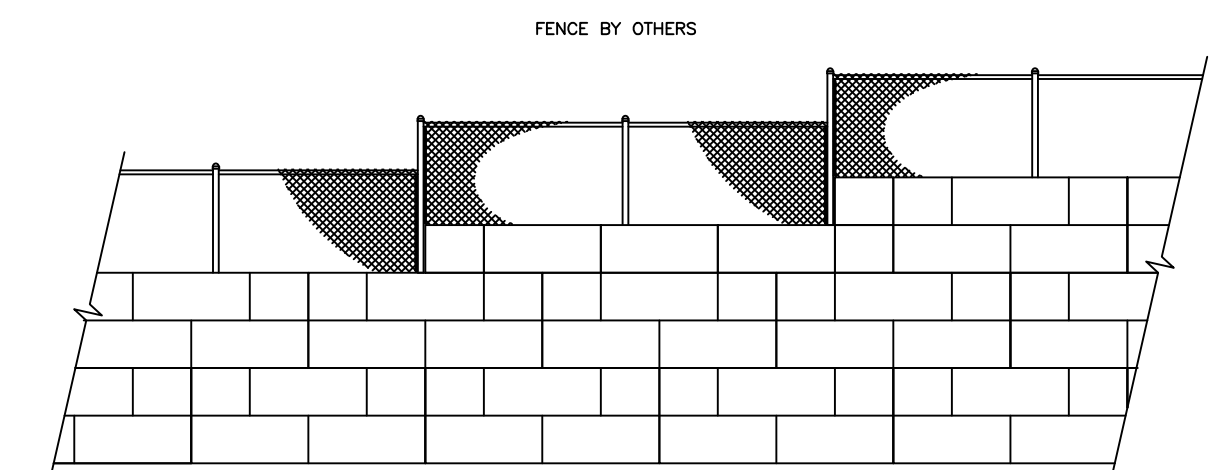
MINIMUM CONVEX RADIUS-6SF UNITS
NOT TO SCALE

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TYPICAL DETAILS
STONE STRONG SYSTEMS
www.stonestrongs.com
DATE: 2/10/16 | FILE: 14_Def_RadMin.Convex



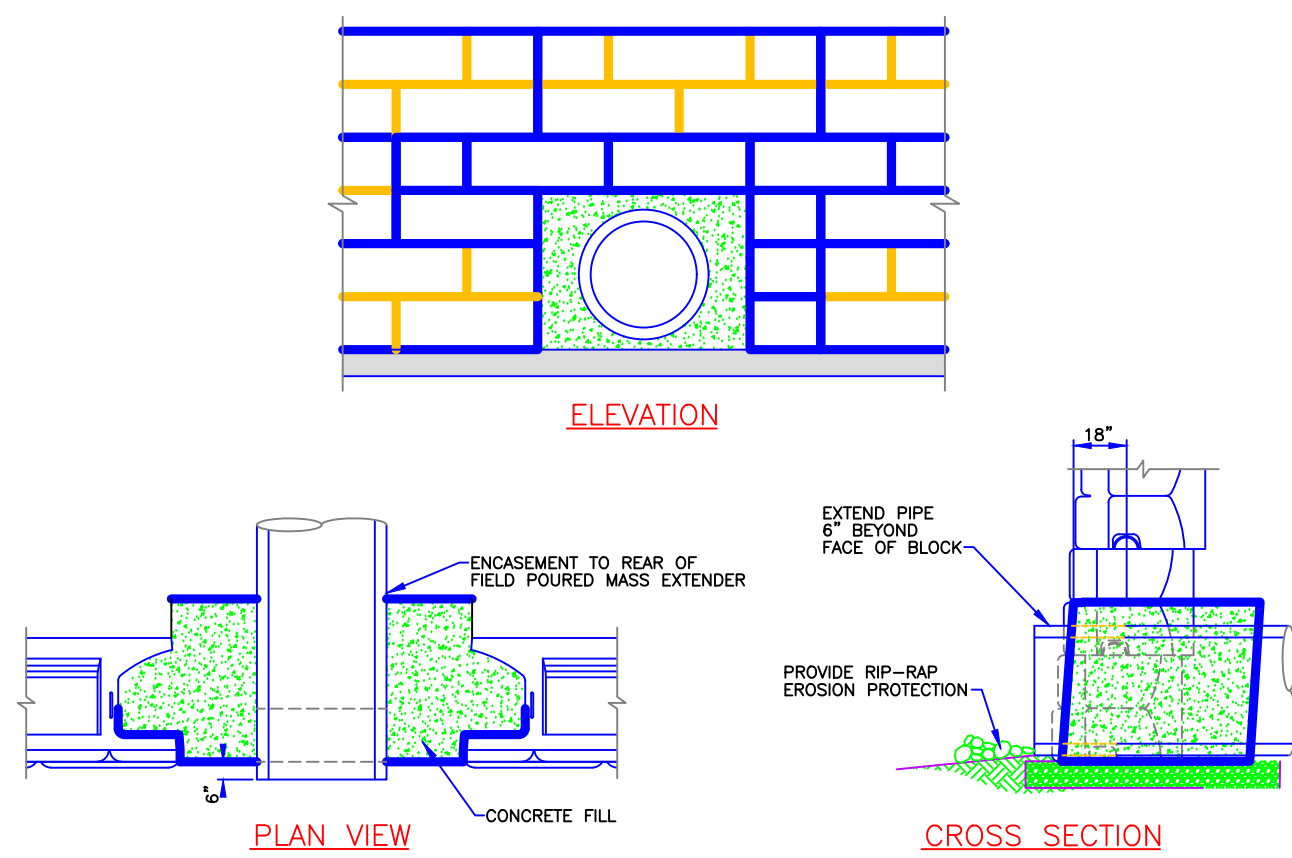
FENCE SLEEVE
NOT TO SCALE

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TYPICAL DETAILS
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www.stonestrongs.com
DATE: 6/29/18 | FILE: 33_Def_FenceSleeve



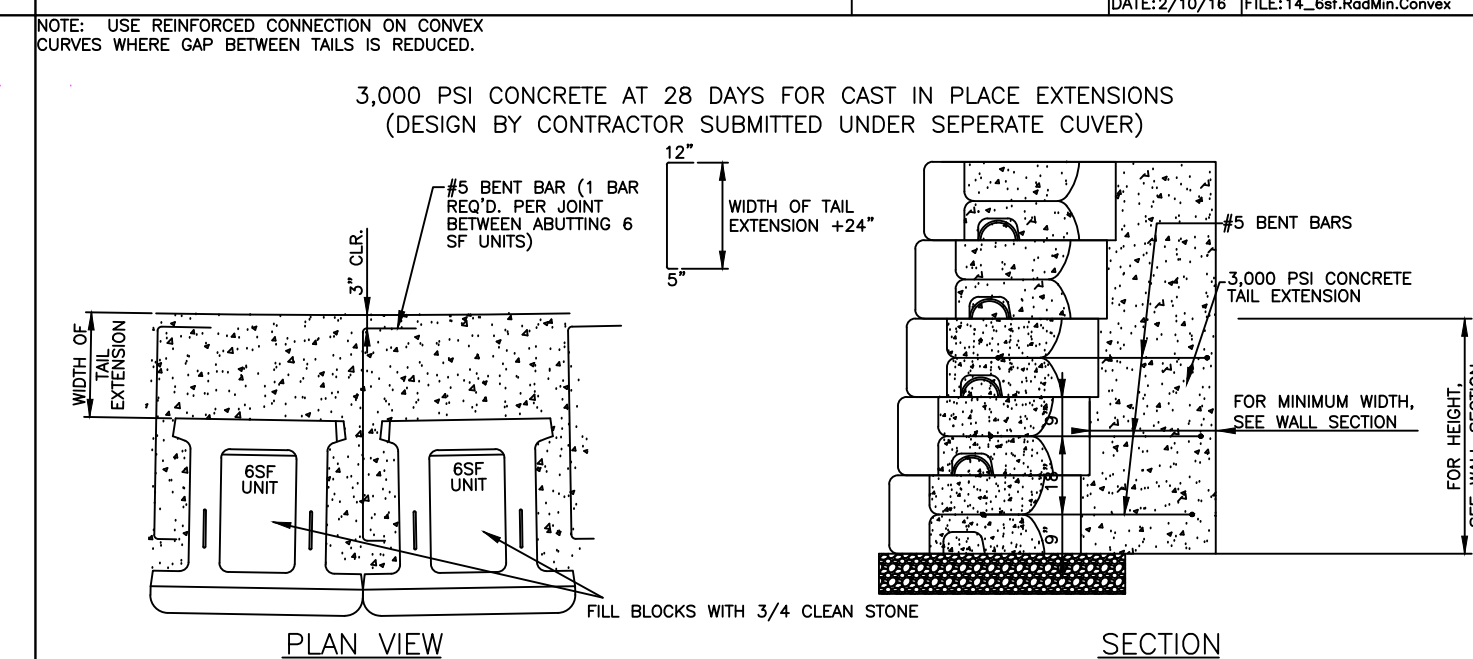
TYPICAL FENCE CONFIGURATION
NOT TO SCALE

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TYPICAL DETAILS
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www.stonestrongs.com
DATE: 6/29/18 | FILE: 34_FenceConfig.Type



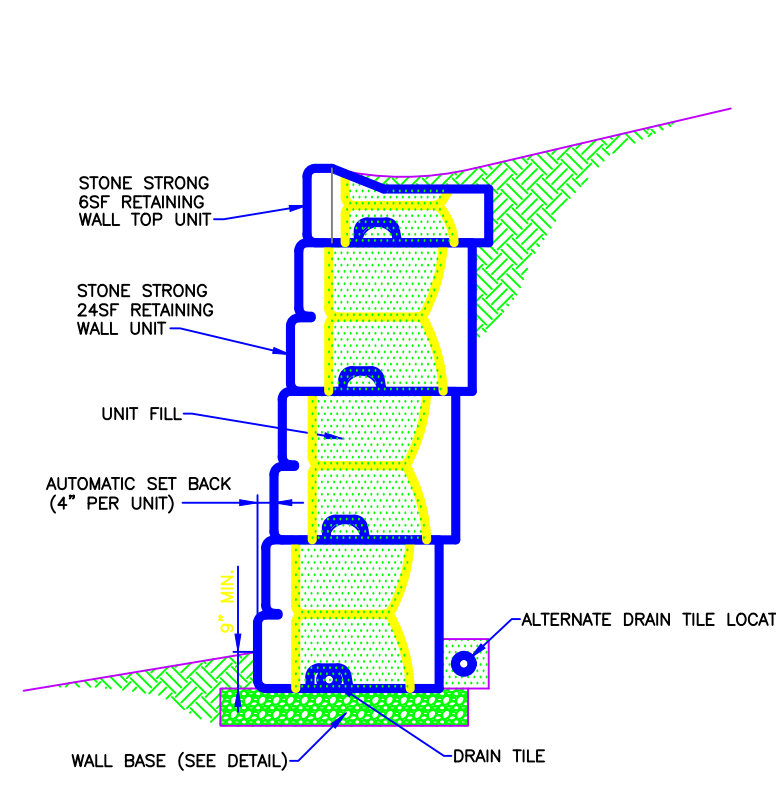
PIPE PENETRATION DETAIL
NOT TO SCALE

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REINFORCED CONNECTION FOR 6SF UNITS
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TYPICAL GRAVITY WALL CROSS SECTION
NOT TO SCALE

PROJECT
CROSS SECTIONS
STONE STRONG SYSTEMS
www.stonestrongs.com
DATE: 6/29/18 | FILE: 01_24sf_XSec.Grav

NOTES:
1. DRAIN TILE MAY BE ELIMINATED AT THE DISCRETION OF THE SITE ENGINEER.
2. DAYLIGHT DRAIN TILE AT LOW POINTS THROUGH WALL FACE OR AT ENDS; MAXIMUM SPACING 100 FEET OR PER SITE CONDITIONS.

STONE STRONG WALL STANDARD DETAILS

STONE STRONG SYSTEM - GRAVITY RETAINING WALL

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1	AC	8/29/24
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