

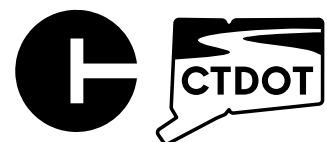


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SIGNATURE BLOCK:

	99 REALTY DRIVE CHESHIRE, CT 06410 203.271.1773 SLRCONSULTING.COM	
DESIGNER/DRAFTER: L. BUCHELI	CHECKED BY: S. PLUDE	



PROJECT TITLE:	REPLACEMENT OF RETAINING WALL ALONG ROUTE 44
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TOWN(S):

PUTNAM

DRAWING TITLE:

**STRUCTURES DESIGN -
INDEX OF DRAWINGS**

PROJECT NO.: 0115-0122	DRAWING NO.: INX-04
	SHEET NO.: 04.01

Driller: T. McGovern		Connecticut DOT Boring Report				Hole No.: SLR-1		
Inspector: D. LaMesa		Town: Putnam		Sta./Offset: N/A				
Engineer: SLR Consulting		Project No.: 0115-0122		Nothing: Not Available				
Start Date: 8/11/2022		Route No.: 44		Easting: Not Available				
Finish Date: 8/11/2022		Bridge No.:		Surface Elevation: 238' +/-				
Project Description: Replacement of Retaining Wall along Route 44								
Casing Size/Type: 4" ID FJ (HW) Sampler Type/Size: 1 3/8" ID SS				Core Barrel Type:				
Hammer Wt.: 300 Fall: 24in		Hammer Wt.: 140 Fall: 30in						
Groundwater Observations: Groundwater Not Measured Due to Drilling Methods								
SAMPLES								
Depth (ft)	Sample Type/No.	Blows on Sampler per 6 inches	Pen. (in.)	Rec. (in.)	RCD %	Generalized Strata Description	Material Description and Notes	Elevation (ft)
						PAVEMENT STR.	4.5" Asphalt	
5	S-1	8 9 9 14	24	23			Light brown, F SAND, some Silt	
10	S-2	6 12 15 23	24	19			Light brown, SILT, some f Sand	~ 233+/-
15	S-3	12 18 25 27	24	18			Light brown, F SAND, little Silt	~ 228+/-
20	S-4	12 28 24 28	24	24			Orange brown, F SAND, little Silt, wet	~ 223+/-
25	S-5	12 16 21 25	24	24			Light brown, F SAND, little Silt, wet	~ 216+/-
						SILTY SAND		
30	S-6	13 18 22 26	24	17			Light brown, F SAND, little Silt	~ 213+/-
35	S-7	12 15 18 21	24	19			Gray-brown, F SAND, little Silt	~ 208+/-
40	S-8	15 21 23 37	24	14			Gray-brown, F SAND, little Silt	~ 203+/-
45	S-9	11 15 18 20	24	16			Gray-brown, F SAND and SILT	~ 198+/-
Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%								
Total Penetration in Earth: 50ft		Rock: Off		NOTES: 1) Flush-joint casing advanced to 10 feet below grade (fsg) prior to introducing bentonite drilling mud and continuing boring open-hole. 2) Stratification lines represent approx. boundaries between soil types, transitions may be gradual. 3) Water level readings have been made at times and under conditions stated, fluctuations may occur due to other factors.				Sheet 1 of 2
No. of Soil Samples: 11	No. of Core Runs: 0							

Driller: T. McGovern		Connecticut DOT Boring Report				Hole No.: SLR-2	
Inspector: D. LaMesa		Town: Putnam		Sta./Offset: N/A			
Engineer: SLR Consulting		Project No.: 0115-0122		Nothing: Not Available			
Start Date: 8/12/2022		Route No.: 44		Easting: Not Available			
Finish Date: 8/12/2022		Bridge No.:		Surface Elevation: 269' +/-			
Project Description: Replacement of Retaining Wall along Route 44						Core Barrel Type:	
Casing Size/Type: 4" ID FJ (HW) Sampler Type/Size: 1 3/8" ID SS							
Hammer Wt.: 300		Fall: 24in		Hammer Wt.: 140		Fall: 30in.	
Groundwater Observations: Groundwater Not Measured Due to Drilling Methods							
SAMPLES						Material Description and Notes	Elevation (ft)
Depth (ft)	Sample Type/No.	Blows on Sampler per 6 inches	Pen. (in.)	Rec. (in.)	RCD %		
5	S-1	16 12 14 16 24	12			PAVEMENT STR.	6" Asphalt, 6" Concrete
						GRAVELLY SAND	Brown, C/F Sand, little Silt, trace f Gravel
10	S-2	9 6 6 5 24	5				Brown, C/F SAND and M-F GRAVEL, trace Silt
15	S-3	10 15 15 22 24	7				Light brown, F SAND, trace Silt
20	S-4	11 16 17 18 24	6				Gray-brown, F SAND, little Silt
25	S-5	12 16 19 19 24	4				Gray-brown, F SAND, little Silt
30	S-6	14 14 18 16 24	8			SILTY SAND	Light brown, SILT, some f Sand
35	S-7	11 16 21 28 24	10				Light brown, SILT, little f Sand, wet
40	S-8	13 18 19 26 24	4				Light brown, F SAND and SILT
45	S-9	19 29 47 40 24	17				Gray-brown, F SAND, some Silt
Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%							
Total Penetration in Earth: 70ft		Rock: Off		NOTES: 1) Stratification lines represent approx. boundaries between soil types, transitions may be gradual. 2) Water level readings have been made at times and under conditions stated, fluctuations may occur due to other factors. 3) Drilling chatter observed from about 30 to 39.5 fsg on inferred boulder.			
No. of Soil Samples: 14		No. of Core Runs: 0		Sheet 1 of 2			

Driller: T. McGovern		Connecticut DOT Boring Report				Hole No.: SLR-3		
Inspector: M. Fekieta		Town: Putnam		Sta./Offset: N/A				
Engineer: SLR Consulting		Project No.: 0115-0122		Nothing: Not Available				
Start Date: 8/10/2022		Route No.: 44		Easting: Not Available				
Finish Date: 8/10/2022		Bridge No.:		Surface Elevation: 244' +/-				
Project Description: Replacement of Retaining Wall along Route 44								
Casing Size/Type: 3.25" ID HSA Sampler Type/Size: 1.38" ID SS						Core Barrel Type:		
Hammer Wt.: Fall: Hammer Wt.: 140 Fall: 30in.								
Groundwater Observations: @27 after 30 minutes								
SAMPLES								
Depth (ft)	Sample Type/No.	Blows on Sampler per 6 inches	Pen. (in.)	Rec. (in.)	RCD %	Generalized Strata Description	Material Description and Notes	Elevation (ft)
5	S-1	8 12 12 11	24	20		PAVEMENT STR.	4" Asphalt	
							Light brown, F SAND and SILT	
10	S-2	7 10 13 17	24	18			Light brown, F SAND, little Silt	- 239 +/-
15	S-3	4 5 13 15	24	18			Light brown, F SAND, trace Silt	- 234 +/-
20	S-4	6 13 19 22	24	19		SILTY SAND	Light brown, F SAND, trace Silt	- 229 +/-
25	S-5	4 8 12 15	24	15			Light brown, F SAND, little Silt, wet	- 224 +/-
30	S-6	5 12 18 26	24	20			Brown, F SAND, little Silt	- 219 +/-
35	S-7	3 5 10 19	24	24			Light brown, F SAND, little Silt	- 214 +/-
40	S-8	33 33 33 650"	23	23			Light brown, F SAND and SILT	
					35'		END OF BORING AT 35ft	- 209 +/-
45								
Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%								
Total Penetration in Earth: 35ft		Rock: Off		NOTES: 1) Stratification lines represent approx. boundaries between soil types, transitions may be gradual. 2) Water level readings have been made at times and under conditions stated, fluctuations may occur due to other factors.				Sheet 1 of 1
No. of Soil Samples: 8		No. of Core Runs: 0						

Driller: T. McGovern		Connecticut DOT Boring Report				Hole No.: SLR-4	
Inspector: D. LaMesa		Town: Putnam		Sta./Offset: N/A			
Engineer: SLR Consulting		Project No.: 0115-0122		Nothing: Not Available			
Start Date: 8/11/2022		Route No.: 44		Easting: Not Available			
Finish Date: 8/11/2022		Bridge No.:		Surface Elevation: 268' +/-			
Project Description: Replacement of Retaining Wall along Route 44							
Casing Size/Type: 2.25" ID HSA Sampler Type/Size: 1.38" ID SS						Core Barrel Type:	
Hammer Wt.:		Fall:		Hammer Wt.:		140	
				Fall:		30in.	
Groundwater Observations: @44' (wet sample)							
SAMPLES							
Depth (ft)	Sample Type/No.	Blows on Sampler per 6 inches			Pen. (in.)	Rec. (in.)	RCD %


Driller: T. McGovern		Connecticut DOT Boring Report				Hole No.: SLR-1				
Inspector: D. LaMesa		Town: Putnam				Sta./Offset: N/A				
Engineer: SLR Consulting		Project No.: 0115-0122				Northing: Not Available				
Start Date: 8/11/2022		Route No.: 44				Easting: Not Available				
Finish Date: 8/11/2022		Bridge No.:				Surface Elevation: 238' +/-				
Project Description: Replacement of Retaining Wall along Route 44										
Casing Size/Type: 4" ID FJ (HW) Sampler Type/Size: 1 3/8" ID SS						Core Barrel Type:				
Hammer Wt.: 300 Fall: 24in Hammer Wt.: 140 Fall: 30in.										
Groundwater Observations: Groundwater Not Measured Due to Drilling Methods										
SAMPLES										
Depth (ft)	Sample Type/No.	Blows on Sampler per 6 inches		Pen. (in.)	Rec. (in.)	RCD %	Generalized Strata Description	Material Description and Notes	Elevation (ft)	
	S-10	9	14	17	24	24	15	Gray-brown, C-F SAND, little Silt	188 +/-	
	S-11	12	15	29	30	24	16	Gray-brown, F SAND and SILT		
50							50'	END OF BORING AT 50ft		
55										
60										
65										
70										
75										
80										
85										
90										
Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%										
Total Penetration in Earth: 50ft				Rock: Off		NOTES:				Sheet 2 of 2
Soil Samples: 11				Core Runs: 0						

Driller: T. McGovern		Connecticut DOT Boring Report				Hole No.: SLR-2		
Inspector: D. LaMesa		Town: Putnam		Sta./Offset: N/A				
Engineer: SLR Consulting		Project No.: 0115-0122		Nothing: Not Available				
Start Date: 8/12/2022		Route No.: 44		Easting: Not Available				
Finish Date: 8/12/2022		Bridge No.:		Surface Elevation: 269' +/-				
Project Description: Replacement of Retaining Wall along Route 44						Core Barrel Type:		
Casing Size/Type: 4" ID FJ (HW) Sampler Type/Size: 1 3/8" ID SS								
Hammer Wt.: 300 Fall: 24in Hammer Wt.: 140 Fall: 30in.								
Groundwater Observations: Groundwater Not Measured Due to Drilling Methods								
SAMPLES								
Depth (ft)	Sample Type/No.	Blows on Sampler per 6 inches	Pen. (in.)	Rec. (in.)	RCD %	Generalized Strata Description	Material Description and Notes	Elevation (ft)
	S-10	7 8 15 26	24	5		SILTY SAND	Brown, F SAND, trace Silt	
50							Brown, F SAND, little Silt	- 219'+/-
55	S-11	15 19 19 20	24	21			Brown, F SAND, some Silt	- 214'+/-
60	S-12	14 17 17 21	24	5			Brown, F SAND, little Silt	- 209'+/-
65	S-13	23 25 26 37	24	12		68" BOULDER 89.5" 70"	Brown, F SAND, little Silt	
	S-14	13 19 23 31	24	15			Gray-brown, F SAND, some Silt	- 204'+/-
70							END OF BORING AT 70ft	- 199'+/-
75								
80								
85								
90								
Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%								
Total Penetration in Earth: 70ft		Rock: Off		NOTES:				Sheet 2 of 2
No. of Soil Samples: 14		No. of Core Runs: 0						


Driller: T. McGovern		Connecticut DOT Boring Report				Hole No.: SLR-5		
Inspector: M. Fekieta		Town: Putnam		Sta./Offset: N/A				
Engineer: SLR Consulting		Project No.: 0115-0122		Nothing: Not Available				
Start Date: 8/10/2022		Route No.: 44		Easting: Not Available				
Finish Date: 8/10/2022		Bridge No.:		Surface Elevation: 252' +/-				
Project Description: Replacement of Retaining Wall along Route 44								
Casing Size/Type: 3.25" ID HSAQ Sampler Type/Size: 1.3/8" ID SS				Core Barrel Type:				
Hammer Wt.: Fall:		Hammer Wt.: 140		Fall: 30in.				
Groundwater Observations: Not Encountered								
SAMPLES								
Depth (ft)	Sample Type/No.	Blows on Sampler per 6 inches	Pen. (in.)	Rec. (in.)	RCD %	Generalized Strata Description	Material Description and Notes	Elevation (ft)
						PAVEMENT STR.	4" Asphalt	
5	S-1	5 6 9 11	24	15			Brown, C/F SAND, some m/v Gravel, little Silt	
10	S-2	3 3 6 9	24	18			Light brown, F SAND, some Silt	- 247'-ft-
15	S-3	6 11 12 16	24	19		SILTY SAND	Light brown, F SAND, little Silt	- 242'-ft-
20	S-4	6 10 12 18	24	18			Light brown, F SAND, trace Silt	- 237'-ft-
25	S-5	9 11 13 17	24	19			Light brown, C-F SAND, trace Silt	
30							END OF BORING AT 20ft	- 232'-ft-
35								
40								
45								
Sample Type: S = Split Spoon, C = Core, UP = Undisturbed Piston, V = Vane Shear Test Proportions Used: Stratification lines represent approx. boundaries between soil types, transitions may be gradual. 2) Water level readings have been made at times and under conditions stated, fluctuations may occur due to other factors.								
Total Penetration in Earth: 20ft		Rock: No. of Soil Samples: 5	No. of Core Runs:	Sheet 1 of 1				

REV.	DATE	REVISION DESCRIPTION

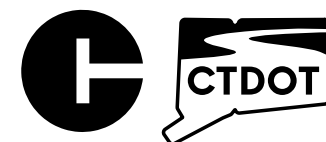
SIGNATURE BLOCK:



99 REALTY DRIVE
CHESHIRE, CT 06410
203.271.1773
SLRCONSULTING.COM



DESIGNER/DRAFTER: _____ CHECKED BY: _____



CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

PROJECT TITLE:

REPLACEMENT OF RETAINING WALL ALONG ROUTE 44

TOWN(S):

PUTNAM

DRAWING TITLE:

BORING LOGS

PROJECT NO.:

0115-0122

DRAWING NO.:

STR-02

SHEET NO.:

04.03

Driller: N. Kenney		Connecticut DOT Boring Report				Hole No.: B-1A				
Inspector: G. Arzt		Town: Putnam		Stat./Offset:						
Engineer: R. Pion		Project No.: 0170-3234		Northing: 894901						
Start Date: 4-27-17		Route No.: 44		Easting: 1227680						
Finish Date: 4-28-17		Bridge No.:		Surface Elevation: 271.9						
Project Description: Retaining Wall on Route 44										
Casing Size/Type: 4" HSA		Sampler Type/Size: SS 1 3/8" ID			Core Barrel Type:					
Hammer WL: Fall in.		Hammer WL: 140		Fall: 30in						
Groundwater Observations: @Dry after 0 hours										
SAMPLES										
Depth (ft)	Sample type/No.	Blows on Sampler per 6 inches		Pen. (in.)	Rec. (in.)	RQD %	Generalized Description	Material Description and Notes	Elevation (ft)	
0							Pavement Structure			
	S-1	14	14	13	13	24	18	Gravelly Sand	Brown F-C SAND, and C-F GRAVEL, trace Silt	270
5	S-2	9	12	11	12	24	20		Brown C-F SAND, little F-C Gravel, trace Silt	
	S-3	8	7	12	21	24	16		Brown C-F SAND, and C-F GRAVEL, trace Silt	265
	S-4	22	23	21	26	24	16		Tan C-F GRAVEL, and C-F SAND, trace Silt	
10	S-5	4	4	4	5	24	16	Silty Sand	Tan-Gray F-C SAND, and SILT	
	S-6	5	6	7	7	24	18		Tan-Gray F-C SAND, and SILT	260
15	S-7	9	13	14	15	24	0		Tan-Gray F-C SAND, and SILT	
	S-8	16	12	10	10	24	0		Tan-Gray F-C SAND, and SILT	255
	S-9	8	9	10	12	24	20	Sandy Silt	Tan-Gray SILT, and F-C SAND	
20	S-10	5	6	7	8	24	24	Gravelly Sand	Tan-Gray F-C SAND, and C-F GRAVEL, trace Silt	
	S-11	7	8	8	8	24	23	Silty Sand	Tan-Gray F-C SAND, some Silt	250
25	S-12	5	5	7	8	24	24		Tan-Gray F-C SAND, little Silt	
	S-13	7	9	11	12	24	23		Tan-Gray F-C SAND, little Silt	245
	S-14	6	5	7	7	24	24	Sandy Silt	Tan-Gray SILT, and F-C SAND	
30										
Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test										
Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%										
Total Penetration in Earth: 52ft				Rock: 0ft				NOTES: Pavement structure consists of 8" of bituminous concrete pavement on 6" of Portland cement concrete pavement with no discernable subbase		Sheet 1 of 2
No. of Soil Samples: 20		No. of Core Runs: 0						SM-001-M REV. 1/02		


Driller: N. Kenney		Connecticut DOT Boring Report				Hole No.: B-2		
Inspector: G. Arzt		Town: Putnam		Stat./Offset:				
Engineer: R. Pion		Project No.: 0170-3234		Northing: 894920				
Start Date: 4-26-17		Route No.: 44		Easting: 1227701				
Finish Date: 4-27-17		Bridge No.:		Surface Elevation: 271.4				
Project Description: Retaining Wall on Route 44								
Casing Size/Type: 4" HSA		Sampler Type/Size: SS 1 3/8" ID			Core Barrel Type:			
Hammer Wt.: Fall: in.		Hammer Wt.: 140 Fall: 30in						
Groundwater Observations: @Dry after 0 hours								
SAMPLES								
Depth (ft)	Sample Type/No.	Blows on Sampler per 6 inches	Pen. (in.)	Rec. (in.)	RQD %	Generalized Strata Description	Material Description and Notes	Elevation (ft)
0						Pavement Structure		270
	S-1	10 18 19 20	24	14		Sandy Gravel	Tan C-F GRAVEL, some F-C Sand, trace Silt	
5	S-2	19 20 28 24	24	15			Tan C-F GRAVEL, some C-F Sand, trace Silt	
	S-3	12 27 16 15	24	14			Tan-Brown C-F GRAVEL, some F-C Sand, trace Silt	265
	S-4	14 7 7 9	24	13			Tan C-F SAND, and C-F GRAVEL, trace Silt	
10	S-5	6 6 10 7	24	4			Tan C-F GRAVEL, some C-F Sand, trace Silt	
	S-6	5 5 7 8	24	4			Tan C-F GRAVEL, and C-F SAND, trace Silt	260
15	S-7	6 6 6 6	24	13		Silty Sand	Tan F-C SAND, and SILT	
	S-8	7 8 9 10	24	0			Tan F-C SAND, and SILT	255
20	S-9	5 5 6 7	24	16			Tan SILT, and F-C SAND	
	S-10	7 6 8 7	24	21			Tan F-C SAND, and SILT	250
	S-11	7 8 10 10	24	20			Tan F-C SAND, some Silt	
25	S-12	7 7 7 9	24	20			Tan F-C SAND, little Silt	
	S-13	7 9 11 12	24	22			Tan F-C SAND, some Silt	245
30	S-14	6 6 7 9	24	24			Tan-Gray F-C SAND, and SILT	
Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test								
Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%								
Total Penetration in Earth: 52ft		Rock: 0ft		NOTES: Pavement structure consists of 8" of bituminous concrete pavement on 6" of Portland cement concrete pavement with no discernable subbase				Sheet 1 of 2
No. of Soil Samples: 20		No. of Core Runs: 0						SM-001-M REV. 1/02

Driller: N. Kenney		Connecticut DOT Boring Report				Hole No.: B-3			
Inspector: G. Arzt		Town: Putnam		Stat./Offset:					
Engineer: R. Pion		Project No.: 0170-3234		Northing: 894948					
Start Date: 4-25-17		Route No.: 44		Easting: 1227735					
Finish Date: 4-26-17		Bridge No.:		Surface Elevation: 270.4					
Project Description: Retaining Wall on Route 44									
Casing Size/Type: 4" HSA		Sampler Type/Size: SS 1 3/8" ID			Core Barrel Type:				
Hammer Wt.: Fall: in		Hammer Wt.: 140		Fall: 30in					
Groundwater Observations: @Dry after 0 hours									
SAMPLES									
Depth (ft)	Sample Type/No.	Blows on Sampler per 6 inches		Pen. (in.)	Rec. (in.)	RQD %	Generalized Strata Description	Material Description and Notes	Elevation (ft)
0							Pavement Structure		270
	S-1	7	4 5 8	24	1		Sandy Gravel	Tan-Brown F-C SAND, some C-F Gravel, trace Silt	
5	S-2	13	10 9 15	24	16			Tan-Brown F-C SAND, some C-F Gravel, trace Silt	
	S-3	16	20 18 20	24	15			Tan C-F GRAVEL, and C-F SAND, trace Silt	265
	S-4	18	21 20 18	24	15			Tan-Gray C-F GRAVEL, some C-F Sand, trace Silt	
10	S-5	8	11 4 4	24	16		Silty Sand	Tan F-C SAND, little Silt	260
	S-6	5	5 5 6	24	17			Tan F-C SAND, some Silt	
15	S-7	4	5 5 6	24	18			Tan-Gray F-C SAND, and SILT	
	S-8	5	6 9 9	24	18		Sandy Silt	Tan-Brown SILT, and F-C SAND	255
	S-9	5	6 6 8	24	20			Tan-Brown SILT, and F-C SAND	
20	S-10	7	8 10 10	24	18		Silty Sand	Tan-Gray F-C SAND, and SILT	250
	S-11	6	7 7 7	24	22			Tan-Gray F-C SAND, some Silt	
25	S-12	6	9 11 11	24	20			Tan-Brown F-C SAND, and SILT	245
	S-13	5	6 7 6	24	18			Tan-Brown F-C SAND, some Silt	
	S-14	6	6 7 9	24	23		Sandy Silt	Tan-Brown SILT, and F-C SAND	
30									
Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test									
Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%									
Total Penetration in Earth: 52ft				NOTES: Pavement structure consists of 8" of bituminous concrete pavement on 6" of Portland cement concrete pavement with no discernable subbase				Sheet 1 of 2	
No. of Soil Samples: 20		No. of Core Runs: 0						SM-001-M REV. 1/02	

Driller: B. Perry		Connecticut DOT Boring Report				Hole No.: B-4		
Inspector: G. Arzt		Town: Putnam		Stat./Offset:				
Engineer: R. Pion		Project No.: 0170-3234		Northing: 894976				
Start Date: 5-2-17		Route No.: 44		Easting: 1227771				
Finish Date: 5-2-17		Bridge No.:		Surface Elevation: 269.6				
Project Description: Retaining Wall on Route 44								
Casing Size/Type: 4" HSA		Sampler Type/Size: SS 1 3/8" ID			Core Barrel Type:			
Hammer Wt.: Fall: in.		Hammer Wt.: 140		Fall: 30in				
Groundwater Observations: @Dry after 0 hours								
Depth (ft)	SAMPLES					Generalized Strata Description	Material Description and Notes	Elevation (ft)
	Sample Type/No.	Blows on Sampler per 6 inches	Pen. (in.)	Rec. (in.)	RQD %			
0						Pavement Structure		
	S-1	6 8 5 4	24	10		Gravelly Sand	Brown C-F GRAVEL, and F-C SAND, trace Silt	
5	S-2	7 4 3 3	24	1			Brown C-F GRAVEL, and F-C SAND, trace Silt	265
	S-3	1 3 6 7	24	4			Brown F-C SAND, some F-C Gravel, trace Silt	
	S-4	4 2 2 2	24	8			Brown F-C SAND, some C-F Gravel, trace Silt	
10	S-5	5 3 2 5	24	10			Brown-Tan F-C SAND, some C-F Gravel, little Silt	260
	S-6	20 48 13 11	24	10			Brown-Tan F-C SAND, and C-F GRAVEL, trace Silt	
15	S-7	4 4 5 5	24	18		Silty Sand	Tan F-C SAND, and SILT	255
	S-8	4 6 6 7	24	16			Tan F-C SAND, and SILT	
	S-9	8 7 8 8	24	24		Sandy Silt	Tan SILT, and F-C SAND	
20	S-10	4 5 5 5	24	24		Silty Sand	Tan F-C SAND, and SILT	250
	S-11	7 8 9 9	24	18			Tan F-C SAND, and SILT	
25	S-12	5 7 7 8	24	18		Sandy Silt	Tan SILT, and F-C SAND	245
	S-13	6 6 7 7	24	18		Silty Sand	Tan F-C SAND, and SILT	
30	S-14	6 7 7 10	24	24		Sandy Silt	Tan SILT, and F-C SAND	240
Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test								
Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%								
Total Penetration in Earth: 52ft		NOTES: Pavement structure consists of 8" of bituminous concrete pavement on 6" of Portland cement concrete pavement with no discernable subbase					Sheet 1 of 2	
No. of Soil Samples: 21		No. of Core Runs: 0					SM-001-M REV. 1/02	

Driller: N. Kenney		Connecticut DOT Boring Report				Hole No.: B-1A			
Inspector: G. Arzt		Town: Putnam		Stat./Offset:					
Engineer: R. Pion		Project No.: 0170-3234		Northing: 894901					
Start Date: 4-27-17		Route No.: 44		Easting: 1227680					
Finish Date: 4-28-17		Bridge No.:		Surface Elevation: 271.9					
Project Description: Retaining Wall on Route 44									
Casing Size/Type: 4" HSA		Sampler Type/Size: SS 1 3/8" ID			Core Barrel Type:				
Hammer Wt.: Fall: in.		Hammer Wt.: 140		Fall: 30in					
Groundwater Observations: @Dry after 0 hours									
SAMPLES									
Depth (ft)	Sample Type/No.	Blows on Sampler per 6 inches		Pen. (in.)	Rec. (in.)	ROD %	Generalized Soil Description	Material Description and Notes	Elevation (ft)
30	S-15	6	7	9	24	20	Silly Sand	Tan-Gray F-C SAND, and SILT	240
	S-16	8	8	12	10	24	21	Reddish-Tan F-C SAND, and SILT	
35	S-17	6	8	9	11	24	24	Reddish-Tan SILT, and F-C SAND	235
40	S-18	7	8	10	9	24	24	Gray SILT, little F-C Sand	230
45	S-19	4	4	5	7	24	23	Tan-Gray SILT, and F-C SAND	225
50	S-20	4	5	7	10	24	24	Reddish-Tan SILT, and F-C SAND	220
55									215
60									
Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test									
Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%									
Total Penetration in Earth: 52ft		Rock: 0ft		NOTES: Pavement structure consists of 8" of bituminous concrete pavement on 6" of Portland cement concrete pavement with no discernable subbase				Sheet 2 of 2	
No of Soil Samples: 20		No of Core Runs: 0						SM-001-M REV. 1/02	

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:	
	99 REALTY DRIVE CHESHIRE, CT 06410 203.271.1773 SLRCONSULTING.COM
DESIGNER/DRAFTER:	CHECKED BY:



CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

PROJECT TITLE:
REPLACEMENT OF RETAINING WALL ALONG ROUTE 44

TOWN(S):
PUTNAM

DRAWING TITLE:
BORING LOGS

PROJECT NO.:
0115-0122
DRAWING NO.:
STR-03
SHEET NO.:
04.04

Driller: B. Perry		Connecticut DOT Boring Report				Hole No.: B-5		
Inspector: G. Arzt		Town: Putnam		Stat./Offset:				
Engineer: R. Pion		Project No.: 0170-3234		Northing: 894999				
Start Date: 5-2-17		Route No.: 44		Easting: 1227800				
Finish Date: 5-3-17		Bridge No.:		Surface Elevation: 269.1				
Project Description: Retaining Wall on Route 44								
Casing Size/Type: 4" HSA		Sampler Type/Size: SS 1 3/8" ID			Core Barrel Type:			
Hammer Wt.: Fall: in.		Hammer Wt.: 140		Fall: 30in				
Groundwater Observations: @Dry after 0 hours								
Depth (ft)	SAMPLES					Generalized Strata Description	Material Description and Notes	Elevation (ft)
	Sample Type/No.	Blows on Sampler per 6 inches			Pen. (in.)			
0								
	S-1	3	3	4	4	24	6	
5	S-2	6	6	4	6	24	7	
	S-3	2	4	4	3	24	7	
	S-4	5	4	4	5	24	16	
10	S-5	12	8	5	6	24	14	
	S-6	5	6	7	6	24		
15	S-7	3	4	5	5	24	15	
	S-8	4	4	5	6	24	22	
	S-9	7	8	9	11	24	18	
20	S-10	5	6	5	5	24	22	
	S-11	5	9	9	10	24	21	
	S-12	5	6	8	7	24	24	
25	S-13	4	6	8	7	24	22	
	S-14	8	11	12	12	24	21	
30								
Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%								
Total Penetration in Earth: 52ft		Rock: 0ft		NOTES: Pavement structure consists of 8" of bituminous concrete pavement on 6" of Portland cement concrete pavement with no discernable subbase				Sheet 1 of 2
No. of Soil Samples: 21		No. of Core Runs: 0						SM-001-M REV. 1/02

Driller: B. Perry		Connecticut DOT Boring Report					Hole No.: B-5			
Inspector: G. Arzt		Town: Putnam					Stat./Offset:			
Engineer: R. Pion		Project No.: 0170-3234					Northing: 894999			
Start Date: 5-2-17		Route No.: 44					Easting: 1227800			
Finish Date: 5-3-17		Bridge No.:					Surface Elevation: 269.1			
Project Description: Retaining Wall on Route 44										
Casing Size/Type: 4" HSA			Sampler Type/Size: SS 1 3/8" ID				Core Barrel Type:			
Hammer Wt.: Fall: in.			Hammer Wt.: 140 Fall: 30in							
Groundwater Observations: @Dry after 0 hours										
Depth (ft)	SAMPLES								Elevation (ft)	
	Sample Type/No	Blows on Sampler per 6 inches				Pen. (in.)	Rec. (in.)	ROD %		Generalized Strata Description
30	S-15	5	6	8	9	24	18		Silly Sand (cont)	Tan-Gray F-C SAND, some Silt
	S-16	8	8	8	11	24	20			Tan-Gray F-C SAND, little Silt
	S-17	7	9	12	12	24	15			Tan-Gray F-C SAND, some Silt
35	S-18	10	13	14	16	24	19			Tan-Gray F-C SAND, some Silt
40	S-19	5	7	10	12	24	18			Tan-Gray F-C SAND, some Silt
45	S-20	4	4	6	7	24	20			Brown F-C SAND, some Silt
50	S-21	4	6	12	12	24	24			Brown F-C SAND, little Silt
55										END OF BORING 52ft
60										
Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%										
Total Penetration in Earth: 52ft		Rock: 0ft		NOTES: Pavement structure consists of 8" of bituminous concrete pavement on 6" of Portland cement concrete pavement with no discernable subbase					Sheet 2 of 2	
No. of Soil Samples: 21		No. of Core Runs: 0							SM-001-M REV. 1/02	

Driller: B. Perry		Connecticut DOT Boring Report				Hole No.: B-6	
Inspector: G. Arzt		Town: Putnam		Stat./Offset:			
Engineer: R. Pion		Project No.: 0170-3234		Northing: 895033			
Start Date: 5-3-17		Route No.: 44		Easting: 1227841			
Finish Date: 5-3-17		Bridge No.:		Surface Elevation: 268.4			
Project Description: Retaining Wall on Route 44							
Casing Size/Type: 4" HSA		Sampler Type/Size: SS 1 3/8" ID			Core Barrel Type:		
Hammer Wt.: Fall: in.		Hammer Wt.: 140		Fall: 30in			
Groundwater Observations: @47.3 after 13:25 hours							
Depth (ft)	SAMPLES				Generalized Strata Description	Material Description and Notes	Elevation (ft)
	Sample Type/No.	Blows on Sampler per 6 inches	Pen. (in.)	Rec. (in.)			
0							
5	S-1	2 2 2 2	24	10	Pavement Structure Sandy Gravel	Brown F-C SAND, and C-F GRAVEL, trace Silt	~265
	S-2	5 6 9 5	24	12	Silly Sand	Tan-Brown C-F GRAVEL, and C-F SAND, trace Silt	
	S-3	2 4 3 4	24	15		Gray-Tan F-C SAND, and SILT	
10	S-4	6 7 7 8	24	19		Tan F-C SAND, and SILT	~260
	S-5	8 8 5 4	24	14		Tan F-C SAND, and SILT	
15	S-6	7 5 6 8	24	17		Tan-Gray F-C SAND, some Silt	
	S-7	8 9 8 10	24			Tan-Gray F-C SAND, some Silt	~255
	S-8	9 6 5 7	24	20		Tan-Gray F-C SAND, some Silt	
20	S-9	6 6 7 8	24	17	Sandy Silt	Tan-Gray F-C SAND, some Silt	
	S-10	10 5 7 7	24	24	Sand	Tan-Gray SILT, little F-C Sand	~250
	S-11	6 7 8 9	24	21	Sandy Silt	Tan-Gray F-C SAND, trace Silt	
25	S-12	4 6 8 8	24	20	Silly Sand	Tan-Gray SILT, some F-C Sand	~245
	S-13	5 6 6 7	24	24		Tan-Gray F-C SAND, and SILT	
	S-14	10 9 11 10	24	17		Tan-Gray F-C SAND, some Silt	
30						Tan-Gray F-C SAND, little Silt	~240
Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%							
Total Penetration in Earth: 52ft			Rock: 0ft			NOTES: Pavement structure consists of 8" of bituminous concrete pavement on 6" of Portland cement concrete pavement with no discernable subbase	
No. of Soil Samples: 21			No. of Core Runs: 0			Sheet 1 of 2	
						SM-001-M REV. 1/02	


Driller: B. Perry		Connecticut DOT Boring Report					Hole No.: B-6				
Inspector: G. Arzt		Town: Putnam					Stat./Offset:				
Engineer: R. Pion		Project No.: 0170-3234					Northing: 895033				
Start Date: 5-3-17		Route No.: 44					Easting: 1227841				
Finish Date: 5-3-17		Bridge No.:					Surface Elevation: 268.4				
Project Description: Retaining Wall on Route 44											
Casing Size/Type: 4" HSA			Sampler Type/Size: SS 1 3/8" ID				Core Barrel Type:				
Hammer Wt.: Fall: in.			Hammer Wt.: 140 Fall: 30in								
Groundwater Observations: @47.3 after 13:25 hours											
Depth (ft)	SAMPLES								Elevation (ft)		
	Sample Type/No.	Blows on Sampler per 6 inches				Pen. (in.)	Rec. (in.)	ROD %			
30	S-15	4	6	8	8	24	17	Silly Sand (cont)	Tan-Gray F-C SAND, little Silt		
	S-16	7	9	11	11	24	23				
35	S-17	7	10	10	12	24	19		Tan-Gray F-C SAND, little Silt	~235	
	S-18	9	15	14	16	24	22				
40									Tan-Gray F-C SAND, little Silt	~230	
	S-19	5	8	9	8	24	17				
45									Tan-Gray F-C SAND, trace Silt	~225	
	S-20	3	4	5	7	24	23				
50								Sandy Gravel	Brown F-C SAND, little Silt	~220	
	S-21	5	4	11	23	24	24				
55									Brown C-F GRAVEL, some Silt, some F-C Sand	~215	
60									END OF BORING 52ft	~210	
Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%											
Total Penetration in Earth: 52ft		Rock: 0ft		NOTES: Pavement structure consists of 8" of bituminous concrete pavement on 6" of Portland cement concrete pavement with no discernable subbase						Sheet 2 of 2	
No. of Soil Samples: 21		No. of Core Runs: 0								SM-001-M REV. 1/02	

Driller: B. Perry		Connecticut DOT Boring Report				Hole No.: B-7		
Inspector: G. Arzt		Town: Putnam				Stat./Offset:		
Engineer: R. Pion		Project No.: 0170-3234				Northing: 895057		
Start Date: 5-4-17		Route No.: 44				Easting: 1227871		
Finish Date: 5-4-17		Bridge No.:				Surface Elevation: 268.0		
Project Description: Retaining Wall on Route 44								
Casing Size/Type: 4" HSA		Sampler Type/Size: SS 1 3/8" ID				Core Barrel Type:		
Hammer Wt.: Fall: in		Hammer Wt.: 140				Fall: 30in		
Groundwater Observations: @48 after 0 hours								
Depth (ft)	Sample Type/No.	SAMPLES				Generalized Strata Description	Material Description and Notes	Elevation (ft)
		Blows on Sampler per 6 inches	Pen. (in.)	Rec. (in.)	ROD %			
0						Pavement Structure		
	S-1	6 13 13 8	24	10		Sandy Gravel	Tan-Brown C-F GRAVEL, and C-F SAND, trace Silt	~265
5	S-2	7 10 5 5	24	16		Silly Sand	Tan-Brown F-C SAND, and SILT	
	S-3	6 4 7 5	24	12		Sandy Silt	Gray-Tan SILT, and F-C SAND, trace C-F Gravel	
	S-4	7 6 6 7	24	13			Brown SILT, and F-C SAND, little C-F Gravel	~260
10	S-5	19 6 5 6	24	16		Silly Sand	Gray-Tan F-C SAND, some Silt	
	S-6	8 8 7 9	24	18		Sandy Silt	Gray-Tan SILT, some F-C Sand	~255
15	S-7	4 5 5 7	24	17			Gray-Tan SILT, and F-C SAND	
	S-8	8 6 6 6	24	20			Light Brown SILT, and F-C SAND	
	S-9	8 6 9 13	24	24			Light Brown SILT, some F-C Sand	~250
20	S-10	6 6 5 8	24	24			Tan-Gray F-C SAND, little Silt	
	S-11	9 8 8 8	24	17			Tan-Gray F-C SAND, trace Silt	~245
	S-12	3 4 4 6	24	17			Tan-Gray F-C SAND, little Silt	
25	S-13	5 6 8 10	24	20			Tan-Gray F-C SAND, little Silt	
	S-14	9 10 11 13	24	20			Tan-Gray F-C SAND, some Silt	~240
30								
Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%								
Total Penetration in Earth: 49ft		Rock: 0ft		NOTES: Pavement structure consists of 8" of bituminous concrete pavement on 6" of Portland cement concrete pavement with no discernable subbase				Sheet 1 of 2
No. of Soil Samples: 21		No. of Core Runs: 0						SM-001-M REV. 1/02


Driller: B. Perry	Connecticut DOT Boring Report						Hole No.: B-7				
Inspector: G. Arzt	Town: Putnam						Stat./Offset:				
Engineer: R. Pion	Project No.: 0170-3234						Northing: 895057				
Start Date: 5-4-17	Route No.: 44						Easting: 1227871				
Finish Date: 5-4-17	Bridge No.:						Surface Elevation: 268.0				
Project Description: Retaining Wall on Route 44											
Casing Size/Type: 4" HSA		Sampler Type/Size: SS 1 3/8" ID				Core Barrel Type:					
Hammer Wt.: Fall: in.		Hammer Wt.: 140 Fall: 30in									
Groundwater Observations: @48 after 0 hours											
Depth (ft)	SAMPLES						Elevation (ft)				
	Sample Type/No.	Blows on Sampler per 6 inches				Pen. (in.)		Rec. (in.)	ROD %	Generalized Strata Description	Material Description and Notes
30	S-15	5	10	12	12	24	18		Silly Sand (cont)	Tan-Gray F-C SAND, little Silt	
	S-16	10	12	11	12	24	20			Tan-Gray F-C SAND, little Silt	235
	S-17	5	6	8	7	24	16			Tan-Brown F-C SAND, trace Silt	
35	S-18	7	9	9	9	24	20		Sandy Silt	Tan-Gray F-C SAND, little Silt	230
40	S-19	4	4	3	3	24	24			Brown SILT, trace F-C Sand	225
45	S-20	36	24	19	18	24	15		Sandy Gravel	Gray-Brown C-F GRAVEL, little F-C Sand, trace Silt	220
	S-21	88				6	3			Dark Brown C-F GRAVEL, some C-F Sand, trace Silt	
50										END OF BORING 49ft	215
											210
55											
60											
Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%											
Total Penetration in Earth: 49ft		Rock: 0ft		NOTES: Pavement structure consists of 8" of bituminous concrete pavement on 6" of Portland cement concrete pavement with no discernable subbase						Sheet 2 of 2	
No. of Soil Samples: 21		No. of Core Runs: 0								SM-001-M REV. 1/02	

REV.	DATE	REVISION DESCRIPTION

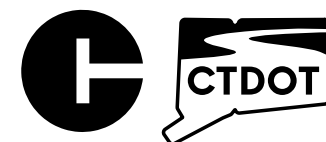
SIGNATURE BLOCK:



99 REALTY DRIVE
CHESHIRE, CT 06410
203.271.1773
SLRCONSULTING.COM



DESIGNER/DRAFTER: CHECKED BY:



CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

PROJECT TITLE:

REPLACEMENT OF RETAINING WALL ALONG ROUTE 44

TOWN(S):

PUTNAM

DRAWING TITLE:

BORING LOGS

PROJECT NO.:

0115-0122

DRAWING NO.:

STR-04

SHEET NO.:

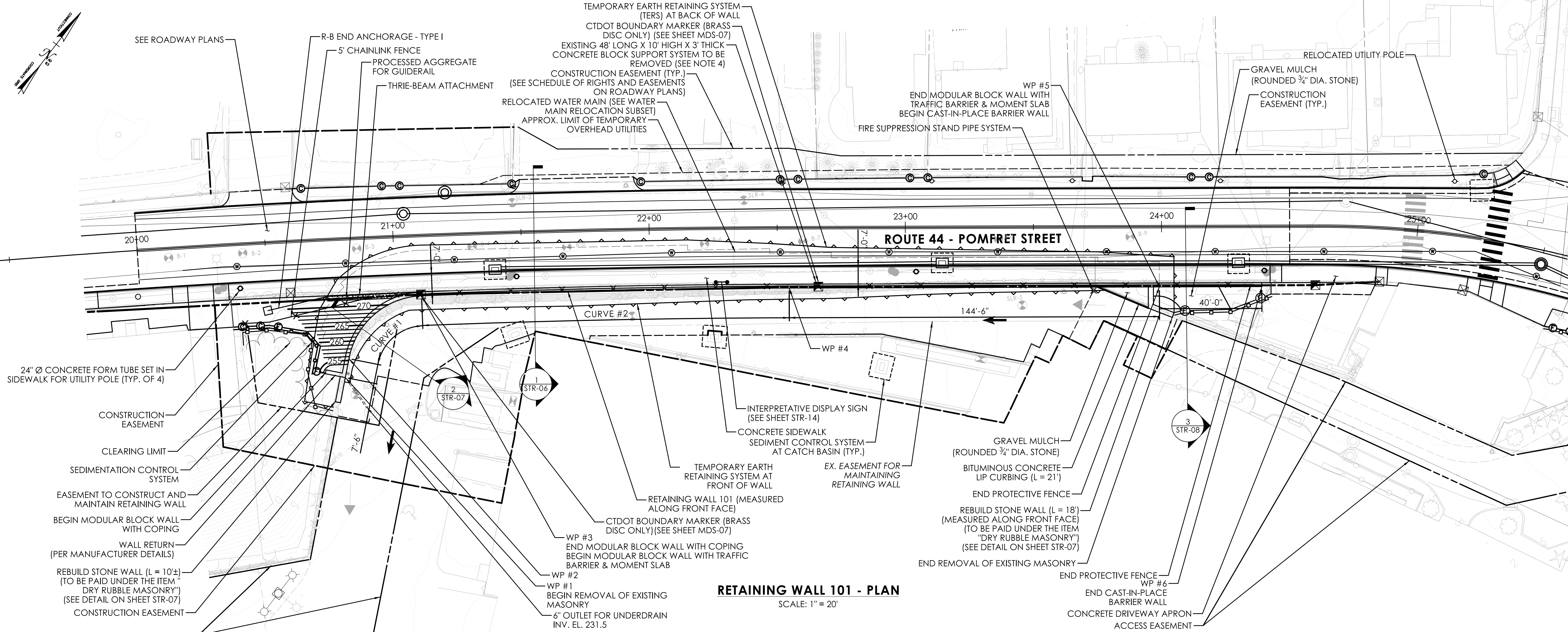
04.05

Driller: B. Perry		Connecticut DOT Boring Report				Hole No.: B-8				
Inspector: G. Arzt		Town: Putnam		Stat./Offset:						
Engineer: R. Pion		Project No.: 0170-3234		Northing: 895104						
Start Date: 5-4-17		Route No.: 44		Easting: 1227931						
Finish Date: 5-5-17		Bridge No.:		Surface Elevation: 267.2						
Project Description: Retaining Wall on Route 44										
Casing Size/Type: 4" HSA		Sampler Type/Size: SS 1 3/8" ID			Core Barrel Type:					
Hammer Wt.: Fall: in.		Hammer Wt.: 140		Fall: 30in						
Groundwater Observations: @Dry after 0 hours										
Depth (ft)	SAMPLES						Elevation (ft)			
	Sample Type/No.	Blows on Sampler per 6 inches		Pen. (in.)	Rec. (in.)	RQD %				
0										
5	S-1	6	13	12	9	24	12	Pavement Structure Sandy Gravel Sandy Silt Silty Sand Sandy Silt	Brown-Tan C-F GRAVEL, and C-F SAND, trace Silt Tan-Gray SILT, and F-C SAND, trace C-F Gravel Tan-Gray F-C SAND, and SILT Tan-Gray SILT, and F-C SAND	265
	S-2	13	5	6	7	24	14			
	S-3	9	6	5	5	24	15			
	S-4	8	7	8	8	24	14			
10	S-5	3	3	4	6	24	17		Tan-Gray SILT, some F-C Sand	
	S-6	4	6	5	6	24	24		Tan-Gray SILT, and F-C SAND	255
15	S-7	4	4	4	5	24	16	Silty Sand	Tan-Gray F-C SAND, little Silt	
	S-8	4	4	4	6	24	16		Tan-Gray F-C SAND, little Silt	
	S-9	4	4	5	6	24	19		Tan-Gray F-C SAND, some Silt	250
20	S-10	4	5	6	8	24	16		Tan F-C SAND, little Silt	
	S-11	7	7	7	7	24	21		Tan-Gray F-C SAND, little Silt	245
25	S-12	4	6	8	10	24	20		Tan-Gray F-C SAND, little Silt	
	S-13	5	8	8	8	24	16	Sand	Tan-Gray F-C SAND, trace Silt	240
	S-14	5	7	8	9	24	18		Tan-Gray F-C SAND, trace Silt	
30										
Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%										
Total Penetration in Earth: 37ft		Rock: 0ft		NOTES: Pavement structure consists of 8" of bituminous concrete pavement on 6" of Portland cement concrete pavement with no discernable subbase				Sheet 1 of 2		
No. of Soil Samples: 19		No. of Core Runs: 0						SM-001-M REV. 10/2		

Driller: B. Perry		Connecticut DOT Boring Report					Hole No.: B-9				
Inspector: G. Arzt		Town: Putnam		Stat./Offset:							
Engineer: R. Pion		Project No.: 0170-3234		Northing: 895137							
Start Date: 5-5-17		Route No.: 44		Easting: 1227972							
Finish Date: 5-5-17		Bridge No.:		Surface Elevation: 266.7							
Project Description: Retaining Wall on Route 44											
Casing Size/Type: 4" HSA		Sampler Type/Size: SS 1 3/8" ID				Core Barrel Type:					
Hammer Wt.: Fall in		Hammer Wt.: 140		Fall: 30in							
Groundwater Observations: @Dry after 0 hours											
Depth (ft)	SAMPLES						Elevation (ft)				
	Sample Type/No.	Blows on Sampler per 6 inches			Pen. (in.)	Rec. (in.)		RQD %	Generalized Strata Description	Material Description and Notes	
0								Pavement Structure			
	S-1	12	13	14	13	24	10		Sandy Gravel	Tan C-F GRAVEL, and C-F SAND, trace Silt	265
	S-2	8	10	6	6	24	12		Silty Sand	Gray-Tan F-C SAND, and SILT, trace C-F Gravel	
5	S-3	9	6	5	7	24	14		Sandy Silt	Gray-Tan SILT, and F-C SAND	260
	S-4	5	7	6	8	24	17			Gray-Tan SILT, trace F-C Sand	
10	S-5	4	5	6	7	24	16			Gray-Tan SILT, and F-C SAND	
	S-6	8	7	7	9	24	20			Gray-Tan F-C SAND, some Silt	255
	S-7	3	4	6	9	24	18			Gray-Tan F-C SAND, little Silt	
15	S-8	5	7	9	11	24	19			Gray-Tan F-C SAND, some Silt	250
	S-9	6	10	10	12	24	20		Sand	Gray-Tan F-C SAND, trace Silt	
20	S-10	4	7	7	9	24	16			Gray-Tan F-C SAND, trace Silt	
	S-11	7	8	10	11	24	20			Gray-Tan F-C SAND, trace Silt	245
	S-12	5	5	7	9	24	19			Gray-Tan F-C SAND, trace Silt	
25	S-13	5	6	7	8	24	20			Gray-Tan F-C SAND, trace C-F Gravel, trace Silt	240
	S-14	5	9	8	9	24	16			Gray-Tan F-C SAND, trace Silt	
30	Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%										
Total Penetration in Earth: 34.5ft		Rock: 0ft		NOTES: Pavement structure consists of 8" of bituminous concrete pavement on 6" of Portland cement concrete pavement with no discernable subbase Boring terminated at auger refusal at 34.5'						Sheet 1 of 2	
No. of Soil Samples: 18		No. of Core Runs: 0								SM-001-M REV. 102	

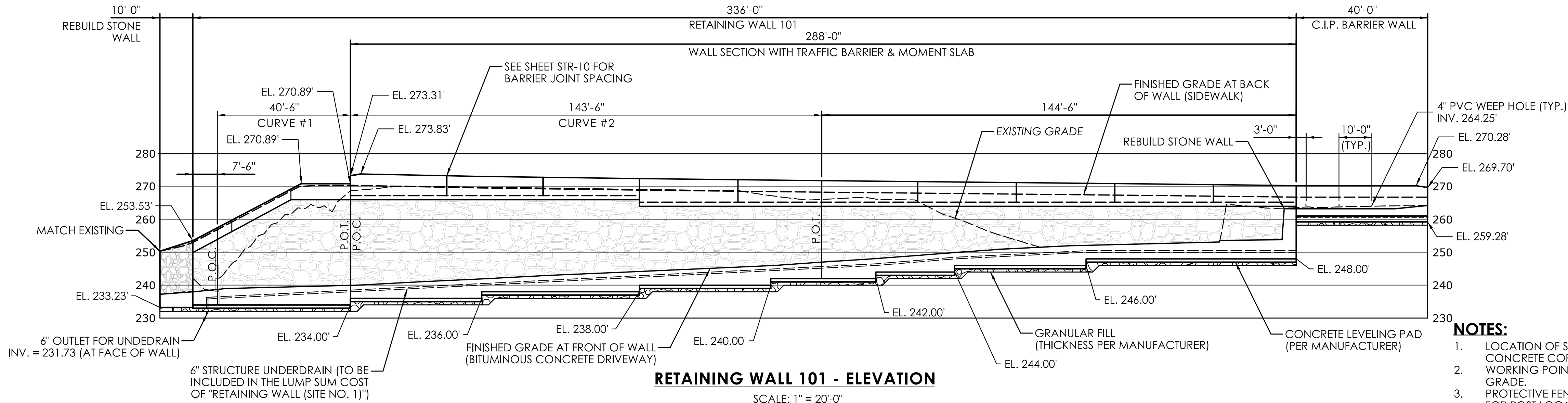
Driller:	B. Perry		Connecticut DOT Boring Report				Hole No.:	B-8					
Inspector:	G. Arzt		Town:	Putnam		Stat./Offset:							
Engineer:	R. Pion		Project No.:	0170-3234		Northing:	895104						
Start Date:	5-4-17		Route No.:	44		Easting:	1227931						
Finish Date:	5-5-17		Bridge No.:			Surface Elevation:	267.2						
Project Description: Retaining Wall on Route 44													
Casing Size/Type: 4" HSA			Sampler Type/Size: SS 1 3/8" ID			Core Barrel Type:							
Hammer Wt.: Fall: in.			Hammer Wt.: 140 Fall: 30in										
Groundwater Observations: @Dry after 0 hours													
Depth (ft)	SAMPLES										Elevation (ft)		
	Sample Type/No.	Blows on Sampler per 6 inches			Pen. (in.)	Rec. (in.)	RQD %	Generalized Strata Description	Material Description and Notes				
	S-15	7	12	10	9	24	18	Sand (cont) Silty Sand Sandy Gravel	Tan-Gray F-C SAND, trace Silt, trace F-C Gravel	235			
	S-16	15	15	19	22	24	22		Tan-Gray F-C SAND, little Silt				
	S-17	6	14	16	27	24	18		Tan-Gray C-F GRAVEL, some F-C Sand, some Silt				
	S-18	22	38	47	90/3	21	18		Dark Gray-Tan C-F GRAVEL, and F-C SAND, trace Silt	230			
	S-19	50			0	0	END OF BORING 37ft						
	40											225	
	45											220	
	50											215	
55											210		
60													
Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 60%													
Total Penetration in Earth: 37ft			Rock: 0ft		NOTES: Pavement structure consists of 8" of bituminous concrete pavement on 6" of Portland cement concrete pavement with no discernable subbase					Sheet 2 of 2			
No. of Soil Samples: 19			No. of Core Runs: 0							SM-001-M REV. 10/2			

Driller: B. Perry		Connecticut DOT Boring Report				Hole No.: B-9				
Inspector: G. Arzt		Town: Putnam		Stat./Offset:						
Engineer: R. Pion		Project No.: 0170-3234		Northing: 895137						
Start Date: 5-5-17		Route No.: 44		Easting: 1227972						
Finish Date: 5-5-17		Bridge No.:		Surface Elevation: 266.7						
Project Description: Retaining Wall on Route 44										
Casing Size/Type: 4" HSA		Sampler Type/Size: SS 1 3/8" ID			Core Barrel Type:					
Hammer Wt.: Fall: in		Hammer Wt.: 140 Fall: 30in								
Groundwater Observations: @Dry after 0 hours										
Depth (ft)	SAMPLES						Elevation (ft)			
	Sample Type/No.	Blows on Sampler per 6 inches		Pen. (in.)	Rec. (in.)	RQD %		Generalized Strata Description		
	S-15	5	6	7	6	24		15	Sand (cont)	Gray-Tan F-C SAND, trace F-C Gravel, trace Silt
	S-16	7	8	11	21	24		24	Silty Sand	
	S-17	10	100			10		10		Gray-Tan F-C SAND, little Silt
S-18	50				10	0				
35	END OF BORING 34.5ft									
40										
45										
50										
55										
60										
Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%										
Total Penetration in Earth: 34.5ft		Rock: 0ft		NOTES: Pavement structure consists of 8" of bituminous concrete pavement on 6" of Portland cement concrete pavement with no discernable subbase Boring terminated at auger refusal at 34.5'				Sheet 2 of 2		
No. of Soil Samples: 18		No. of Core Runs: 0		SM-001-M REV. 10/2						



RETAINING WALL 101 - PLAN

SCALE: 1" = 20'



RETAINING WALL 101 - ELEVATION

SCALE: 1" = 20'-0"

WALL CURVE DATA TABLE

	CURVE #1	CURVE #2
L	40'-6"	143'-6"
R	30'-0"	3975'-6"
DELTA	266° 35' 34.8"	4° 43' 37.2"

TABLE OF COORDINATES


WP #	NORTHING	EASTING
1	894906.25	1227762.93
2	894912.95	1227759.56
3	894949.69	1227767.01
4	895039.67	1227878.82
5	895128.21	1227993.01
6	895152.72	1228024.62

NOTES:


1. LOCATION OF STEPS, BOTTOM OF TRAFFIC BARRIER, AND BOTTOM OF CONCRETE COPING MAY VARY BASED ON THE MANUFACTURER SELECTED. WORKING POINTS SHOWN ARE TAKEN AT THE BASE OF THE WALL AT FINISHED GRADE.
2. PROTECTIVE FENCE (5' HIGH) NOT SHOWN FOR CLARITY. SEE SHEET STR-10 FOR POST LOCATIONS, SPACING, AND DETAILS.
3. REMOVAL AND SALVAGE OF THE CONCRETE BLOCK SUPPORT SYSTEM THAT IS CURRENTLY IN PLACE SUPPORTING THE WALL SHALL BE PAID UNDER THE ITEM "REMOVAL OF THE EXISTING MASONRY." THE CONTRACTOR SHALL COORDINATE WITH DOT FOR DELIVERY OF THE SALVAGED MATERIALS. SEE NOTICE TO CONTRACTOR.
- 4.

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:



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SLRCONSULTING.COM



DESIGNER/DRAFTER: L. BUCHELI
CHECKED BY: S. PLUDE

CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

PROJECT TITLE:

REPLACEMENT OF RETAINING WALL ALONG ROUTE 44

TOWN(S):

PUTNAM

DRAWING TITLE:

RETAINING WALL 101 -
PLAN & ELEVATION

PROJECT NO.:

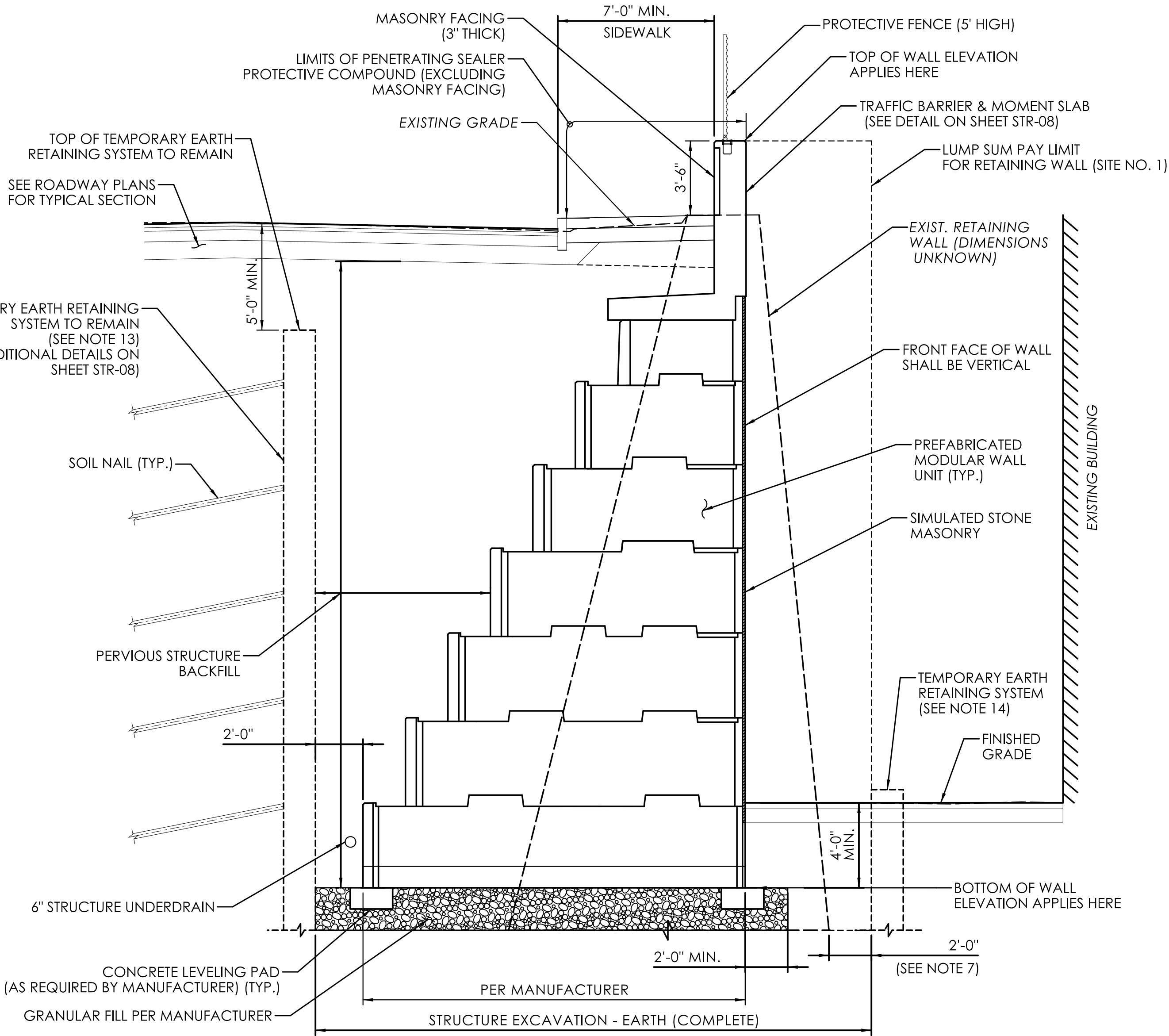
0115-0122

DRAWING NO.:

STR-05

SHEET NO.:

04.06



TYP. SECTION WITH TRAFFIC BARRIER

SCALE: 1/4" = 1'-0"

PREFABRICATED MODULAR WALL NOTES:

- THE CONTRACTOR SHALL SELECT, DESIGN, AND CONSTRUCT ONE OF THE FOLLOWING WALL OPTIONS IN ACCORDANCE WITH THE SPECIAL PROVISION "RETAINING WALL (SITE NO. 1)".

DOUBLEWAL - STANDARD MODULE
DOUBLEWAL CORPORATION
7 WEST MAIN STREET
PLAINVILLE, CT 06062

GRAVIX DOT PRECAST WALL SYSTEM
EARTH WALL PRODUCTS
1349 OLD 41 HIGHWAY NW, SUITE 135
MARIETTA, GA 30060
- TEMPORARY EARTH RETAINING SYSTEM INCLUDING THOSE BELOW PAYLIMITS AND ANY TIEBACKS AND BRACING ASSOCIATED WITH SAME SHALL BE INCLUDED ON THE LUMP SUM COST OF THE WALL.
- DETAILS SHOWN ON THIS SHEET ARE NOT SPECIFIC. THE CONTRACTOR'S DESIGNER SHALL MODIFY TO MEET THE CONDITIONS OF THE SITE.
- REINFORCING SHALL HAVE 2" COVER EXCEPT WHERE SHOWN OTHERWISE
- ALL DIMENSIONS ARE SPECIFIED WITH THE APPLICABLE UNITS OF MEASUREMENT.
- ANY ADDITIONAL PERVIOUS STRUCTURE BACKFILL REQUIRED OUTSIDE THIS LIMIT SHALL ALSO BE INCLUDED IN THE LUMP SUM PRICE OF THE WALL.

- THE HORIZONTAL LIMITS OF STRUCTURE EXCAVATION SHALL BE 2 FEET FROM THE FRONT FACE OF THE PROPOSED WALL OR 2 FEET FROM THE FRONT FACE OF THE EXISTING WALL, WHICHEVER IS LESS, TO THE FRONT FACE OF THE TEMPORARY EARTH RETAINING SYSTEM.
- THE COST OF FURNISHING AND INSTALLING THE PERVIOUS STRUCTURE BACKFILL SHALL BE INCLUDED IN THE LUMP SUM COST OF THE ITEM "RETAINING WALL (SITE NO. 1)".
- THE COST OF FURNISHING AND INSTALLING THE 6" STRUCTURE UNDERDRAIN SHALL BE INCLUDED IN THE LUMP SUM COST OF THE ITEM "RETAINING WALL (SITE NO. 1)." THE OUTLET FOR THE UNDERDRAIN FROM THE FRONT FACE OF THE WALL TO THE MANHOLE SHALL BE PAID UNDER THE ITEM "6" OUTLET FOR UNDERDRAIN".
- THICKNESS OF GRANULAR FILL AND DIMENSIONS OF CONCRETE LEVELING PADS, IF REQUIRED, SHALL BE PROVIDED BY THE WALL MANUFACTURER AND INCLUDED IN THE COST OF THE ITEM "RETAINING WALL (SITE NO. 1)."
- THE COST TO REMOVE THE EXISTING WALL AND EXISTING CONCRETE BLOCK SUPPORT SYSTEM SHALL BE INCLUDED IN THE COST OF THE ITEM "REMOVAL OF EXISTING MASONRY STONE FROM THE EXISTING WALL TO BE REMOVED SHALL BE STOCKPILED FOR REUSE IN THE RECONSTRUCTION OF THE EXISTING STONE WALL AT EITHER END OR THE MODULAR BLOCK WALL. THE MATERIALS FROM THE CONCRETE BLOCK SUPPORT SYSTEM SHALL BE SALVAGED IN ACCORDANCE WITH "NOTICE TO CONTRACTOR - SALVAGE."
- THE COST OF THE TRAFFIC BARRIER SHALL BE INCLUDED IN THE LUMP SUM COST OF "RETAINING WALL (SITE NO. 1)."
- THE TEMPORARY EARTH RETAINING SYSTEM AT THE BACK OF WALL SHALL BE REMOVED TO A DEPTH OF AT LEAST 5-FEET BELOW FINISHED GRADE. THE REMAINING SYSTEM IS TO BE ABANDONED IN PLACE. (SEE SHEET STR-09)
- THE TEMPORARY EARTH RETAINING SYSTEM AT THE TOE OF THE WALL SHALL BE REMOVED IN ITS ENTIRETY UPON COMPLETION OF THE WALL.

GENERAL NOTES

- SPECIFICATIONS: CONNECTICUT DEPARTMENT OF TRANSPORTATION FORM 819 (2024) SUPPLEMENTAL SPECIFICATIONS DATED JANUARY 2025, AND SPECIAL PROVISIONS.
- DESIGN SPECIFICATIONS: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 10TH EDITION, 2024, AS SUPPLEMENTED BY THE CONNECTICUT DEPARTMENT OF TRANSPORTATION BRIDGE AND ROADWAY STRUCTURES DESIGN MANUAL (RELEASE 1).

MATERIAL STRENGTHS:

CONCRETE:
CLASS PCC03340.....f_c = 3,000 PSI
CLASS PCC03360.....f_c = 3,000 PSI
CLASS PCC04462.....f_c = 4,000 PSI
CLASS PRC05060.....f_c = 5,000 PSI

THE CONCRETE STRENGTH, f_c, USED IN DESIGN OF THE CONCRETE COMPONENTS IS NOTED ABOVE. THE COMPRESSIVE STRENGTH OF THE CONCRETE IN THE CONSTRUCTED COMPONENTS SHALL CONFORM TO THE REQUIREMENTS OF 6.01 - CONCRETE FOR STRUCTURES AND M.03 - PORTLAND CEMENT CONCRETE.

REINFORCEMENT:
ASTM A615 GRADE 60.....f_y = 60,000 PSI

DIMENSIONS: WHEN DECIMAL DIMENSIONS ARE GIVEN TO LESS THAN THREE DECIMAL PLACES, THE OMITTED DIGITS SHALL BE ASSUMED TO BE ZEROS.

EXISTING DIMENSIONS: DIMENSIONS OF THE EXISTING STRUCTURE SHOWN ON THESE PLANS ARE FOR GENERAL REFERENCE ONLY. THE CONTRACTOR SHALL TAKE ALL FIELD MEASUREMENTS NECESSARY TO ASSURE PROPER FIT OF FINISHED WORK AND SHALL ASSUME FULL RESPONSIBILITY FOR THEIR ACCURACY. WHEN SHOP DRAWINGS BASED ON FIELD MEASUREMENTS ARE SUBMITTED FOR REVIEW, THE FIELD MEASUREMENTS SHALL ALSO BE SUBMITTED FOR REFERENCE BY THE REVIEWER.

UTILITIES: THE FOLLOWING UTILITIES ARE LOCATED WITHIN THE PROJECT LIMITS AND SHALL BE PROTECTED DURING CONSTRUCTION:

- BREEZELINE
- CROWN CASTLE FIBER, LLC
- FRONTIER COMMUNICATIONS OF CONNECTICUT
- EVERSOURCE ENERGY - ELECTRIC
- EVERSOURCE ENERGY - GAS
- TOWN OF PUTNAM WATER POLLUTION CONTROL AUTHORITY

THE CONTRACTOR SHALL COORDINATE ALL WORK RELATED TO UTILITY RELOCATION WITH THE RESPECTIVE UTILITY COMPANIES.

MASH TEST LEVEL: THE TRAFFIC BARRIER SHALL MEET THE TL-4 CRITERIA FOR MASH 2016.

CONCRETE NOTES

THE FOLLOWING PAY ITEMS AND CONCRETE CLASSES ARE REQUIRED FOR CAST-IN-PLACE COMPONENTS:

ITEM	WALL COMPONENTS	PCC CLASS
FOOTING CONCRETE	CAST-IN-PLACE BARRIER WALL FOOTING	PCC03340
BARRIER WALL CONCRETE	CAST-IN-PLACE BARRIER WALL STEM	PCC04462

EXPPOSED EDGES: EXPOSED EDGES OF CONCRETE SHALL BE BEVELED 1"X1" UNLESS DIMENSIONED OTHERWISE.

CONCRETE COVER: ALL REINFORCEMENT SHALL HAVE TWO INCHES OF COVER UNLESS DIMENSIONED OTHERWISE.

REINFORCEMENT: ALL REINFORCEMENT SHALL BE GALVANIZED AFTER FABRICATION UNLESS NOTED OTHERWISE. ALL REINFORCEMENT SHALL CONFORM TO THE REQUIREMENTS OF ASTM A767, CLASS 1, INCLUDING SUPPLEMENTAL REQUIREMENTS. THE COST OF FURNISHING AND PLACING THIS REINFORCEMENT SHALL BE INCLUDED IN THE ITEM "DEFORMED STEEL BARS - GALVANIZED."

PREFORMED EXPANSION JOINT FILLER: THE COST OF FURNISHING AND INSTALLING PREFORMED EXPANSION JOINT FILLER IS PAID FOR AS "1/2" PREFORMED EXPANSION JOINT FILLER FOR BRIDGES."

CONSTRUCTION JOINTS: CONSTRUCTION JOINTS, OTHER THAN THOSE SHOWN ON THE PLANS, WILL NOT BE PERMITTED WITHOUT THE PRIOR APPROVAL OF THE ENGINEER.

REV.	DATE	REVISION DESCRIPTION

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DESIGNER/DRAFTER: L. BUCHELI
CHECKED BY: S. PLUDE

CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

PROJECT TITLE:
REPLACEMENT OF RETAINING WALL ALONG ROUTE 44

TOWN(S):
PUTNAM

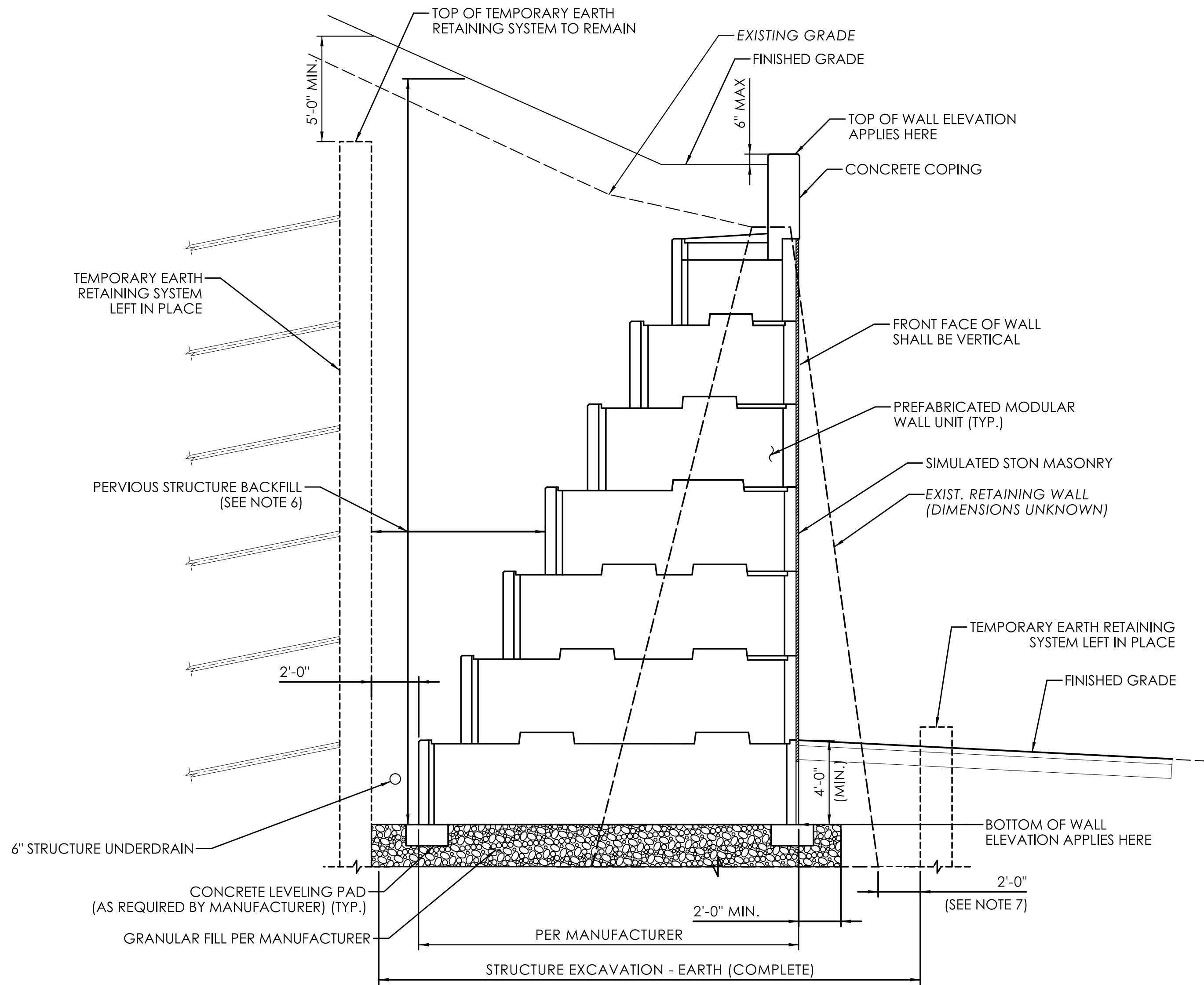
DRAWING TITLE:
**RETAINING WALL 101 -
NOTES & TYPICAL
SECTION**

PROJECT NO.:
0115-0122

DRAWING NO.:
STR-06
SHEET NO.:
04.07

LASTED SAVED BY: joyce.kabumba
PLOTTED DATE: 12/2/2025

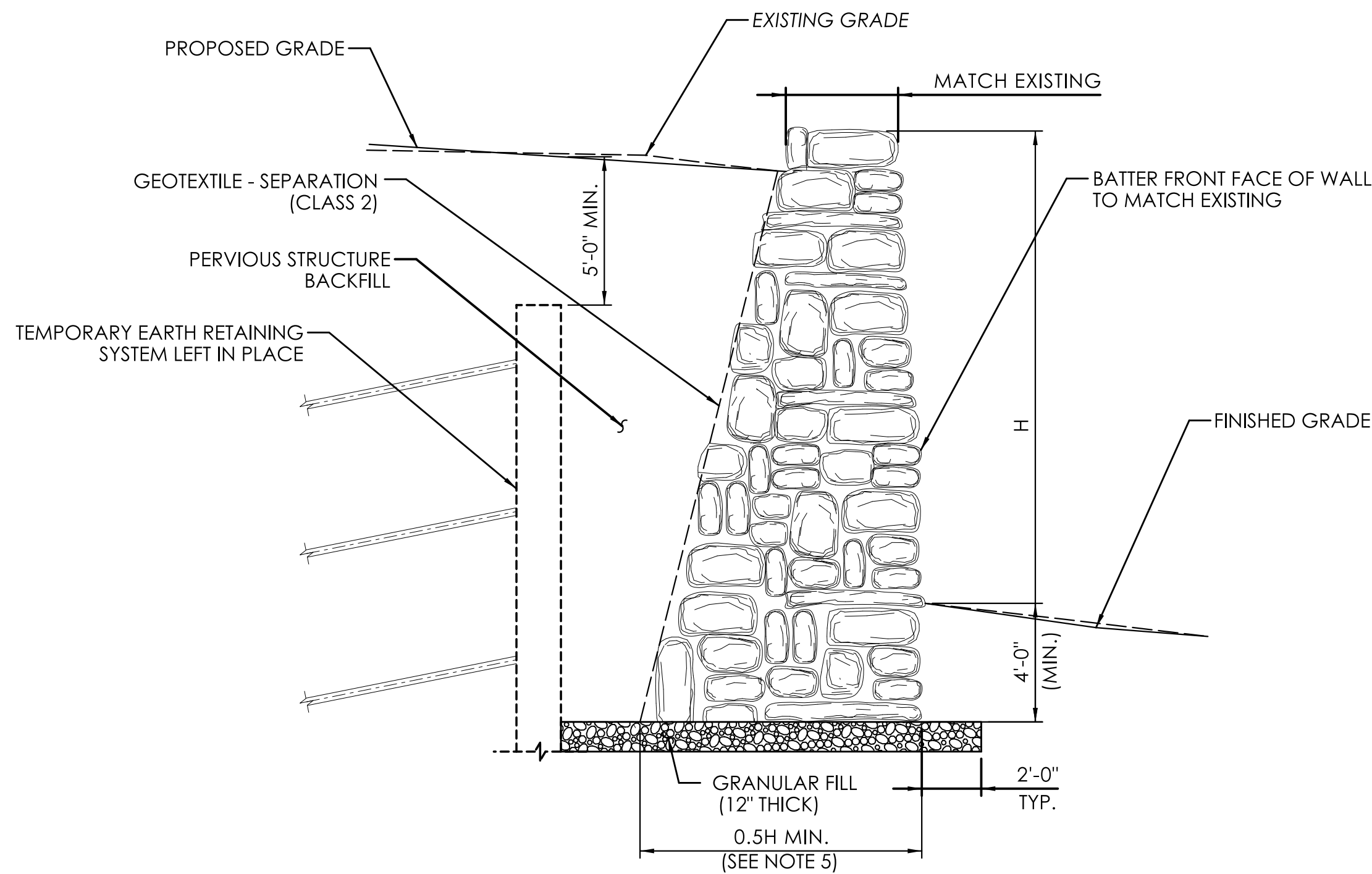
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TYP. SECTION WITH COPING

SCALE: 1/4" = 1'-0"

2



REBUILD STONE WALL TYPICAL SECTION

SCALE: 1/4" = 1'-0"

REBUILD STONE WALL NOTES:

1. CONTRACTOR SHALL REMOVE EXISTING WALLS TO THE LIMITS SHOWN ON THE PLANS. THE CONTRACTOR SHALL STOCKPILE SUFFICIENT STONE FROM THE REMOVAL OF THE WALL TO BE REUSED IN THE PORTIONS OF THE WALLS TO BE REBUILT. THIS WORK SHALL BE PAID FOR UNDER THE ITEM "REMOVAL OF EXISTING MASONRY." EXCAVATION FOR THE REMOVAL OF THE WALL SHALL BE INCLUDED IN THE COST OF THE ITEM "RETAINING WALL (SITE NO. 1)".
2. METHODS AND MATERIALS USED IN RECONSTRUCTION OF THE STONE WALLS SHALL MATCH THE EXISTING WALLS TO REMAIN AS CLOSELY AS POSSIBLE (I.E. ANY REPLACEMENT STONE REQUIRED SHOULD BE OF SIMILAR TYPE, SIZE, AND COLOR TO THE ORIGINAL).
3. FOR THE RECONSTRUCTION OF THE STONE MASONRY WALL SECTIONS, THE COST OF THE PERVIOUS STRUCTURE BACKFILL, GEOTEXTILE - SEPARATION (CLASS 2), AND GRANULAR FILL SHALL BE PAID UNDER THEIR RESPECTIVE ITEMS.
4. RECONSTRUCTION OF THE STONE WALL WITH STONE TAKEN FROM THE REMOVAL OF THE EXISTING WALL SHALL BE PAID UNDER THE ITEM "DRY RUBBLE MASONRY".
5. IF EXISTING WALL GEOMETRY (I.E. BACK BATTER, BASE WIDTH) EXCEED THE DIMENSIONS SHOWN ON THE DETAIL, THE CONTRACTOR SHALL MATCH EXISTING DIMENSIONS.

REV.	DATE	REVISION DESCRIPTION

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 203.271.1773
 SLRCONSULTING.COM
 DESIGNER/DRAFTER: L. BUCHELI CHECKED BY: S. PLUDE



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DEPARTMENT OF
TRANSPORTATION

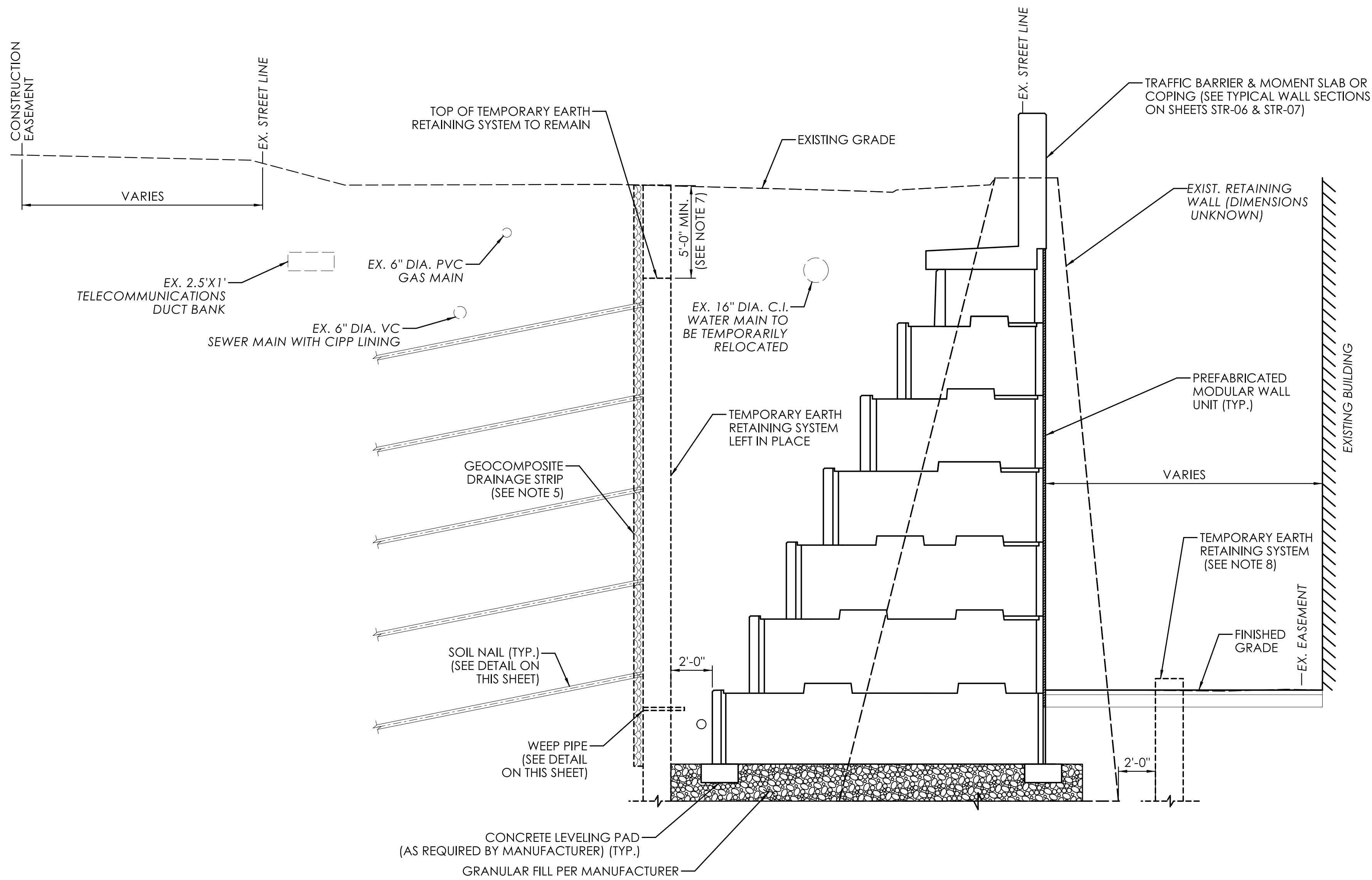
PROJECT TITLE:
REPLACEMENT OF RETAINING WALL ALONG ROUTE 44

TOWN(S):
PUTNAM

DRAWING TITLE:
RETAINING WALL 101 -
TYPICAL SECTIONS

PROJECT NO.:
0115-0122

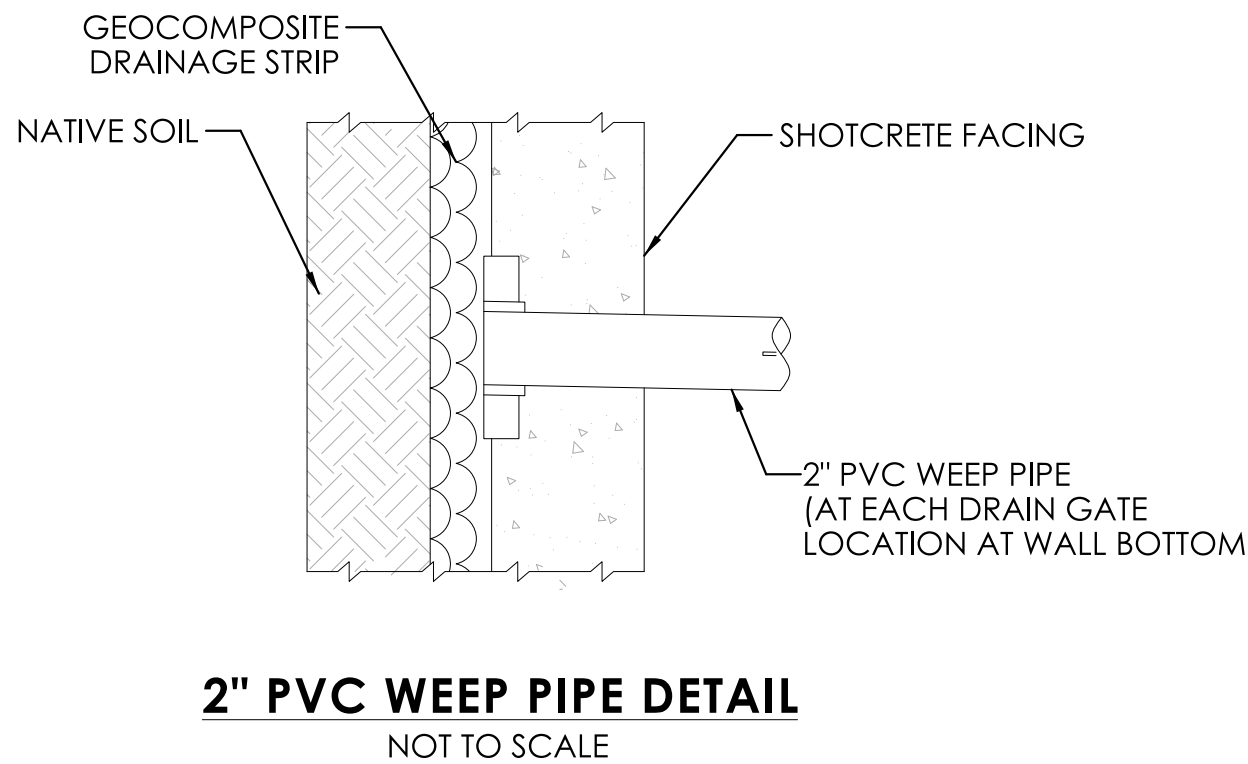
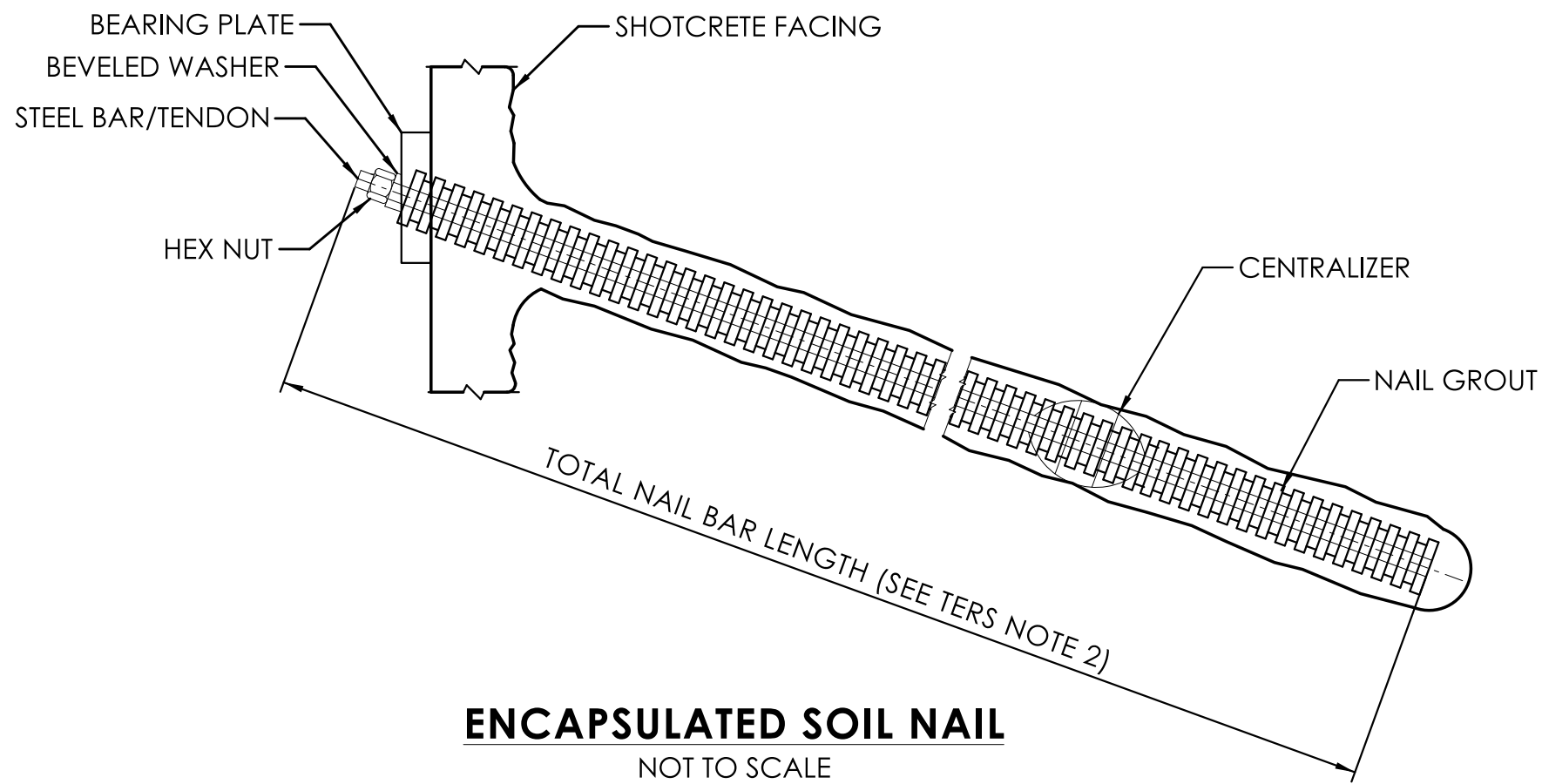
DRAWING NO.:
STR-07
SHEET NO.:
04.08



TEMPORARY EARTH RETAINING SYSTEM TYPICAL SECTION
SCALE: 1/4" = 1'-0"


TEMPORARY EARTH RETAINING SYSTEM (TERS) NOTES:

1. A SOIL NAIL WALL (SNW) IS RECOMMENDED TO BE USED FOR THE TERS BEHIND THE PROPOSED WALL. THE CONTRACTOR MAY PROPOSE AN ALTERNATE TERS TYPE IN ACCORDANCE WITH FHWA/CTDOT GUIDELINES.
2. THE CONTRACTOR SHALL DESIGN AND SUBMIT TO THE ENGINEER FOR APPROVAL OF THE SNW DRILLING METHOD, GROUTING METHOD, FINAL SOIL NAIL LENGTH, SOIL NAIL DIAMETER, AND STRENGTH/SIZE OF THE STRESSING TENDON/BAR. THE MAXIMUM SOIL NAIL LENGTH SHALL NOT EXCEED PROJECT EASEMENT LIMITS.
3. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAINING STABLE DRILL HOLES OF APPROVED DIAMETER WITHOUT HOLE CAVING BEFORE OR DURING NAIL INSTALLATION AND GROUTING.
4. THE NAIL LAYOUT SHALL BE DETERMINED BY THE CONTRACTOR, BUT SHALL BE UNIFORMLY SPACED TO THE EXTENT POSSIBLE. SOIL NAILS OR TIE BACKS SHALL BE DESIGNED TO STAY WITHIN THE CONSTRUCTION EASEMENTS SHOWN ON THE PLANS.
5. TERS DESIGN SHALL INCLUDE A MEANS FOR RELIEVING HYDROSTATIC PRESSURE IN THE BACKFILL. TYPE, SIZE, AND SPACING SHALL BE INCLUDED IN THE DESIGN FOR THE TERS.
6. THE TEMPORARY EARTH RETAINING SYSTEM SHALL BE REMOVED TO A DEPTH OF AT LEAST 5-FEET BELOW FINISHED GRADE. THE REMAINING SYSTEM IS TO BE ABANDONED IN PLACE.
7. WHERE SOIL NAILS ARE ENCOUNTERED WITHIN THE UPPER 5 FEET OF THE WALL TO BE REMOVED, THE CONTRACTOR SHALL RELEASE THE TENSION ON THE SOIL NAIL PRIOR TO DEMOLISHING THE FACING. THE SOIL NAIL MAY THEN BE ABANDONED IN PLACE.
8. THE TEMPORARY EARTH RETAINING SYSTEM AT THE TOE OF THE WALL SHALL BE REMOVED IN ITS ENTIRETY UPON COMPLETION OF THE WALL.
9. THE COST TO DESIGN AND CONSTRUCT THE TEMPORARY EARTH RETAINING SYSTEM SHALL BE INCLUDED IN THE LUMP SUM COST OF THE ITEM "RETAINING WALL (SITE NO. 1)".
10. THE COST TO PARTIALLY DEMOLISH AND ABANDON IN PLACE THE TERS BEHIND THE PROPOSED WALL AND THE COST TO REMOVE THE TERS AT THE TOE OF THE PROPOSED WALL SHALL BE INCLUDED IN THE LUMP SUM COST OF THE ITEM "RETAINING WALL (SITE NO. 1)".
11. THE TERA BEHIND THE PROPOSED WALL SHALL BE SUBJECT TO "BUY AMERICA" REQUIREMENTS AS IT IS TO BE ABANDONED IN PLACE.




REVISION DESCRIPTION	
REV.	DATE

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CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

PROJECT TITLE:

REPLACEMENT OF RETAINING WALL ALONG ROUTE 44

TOWN(S):

PUTNAM

DRAWING TITLE:

RETAINING WALL 101 -
TERS DETAILS

PROJECT NO.:

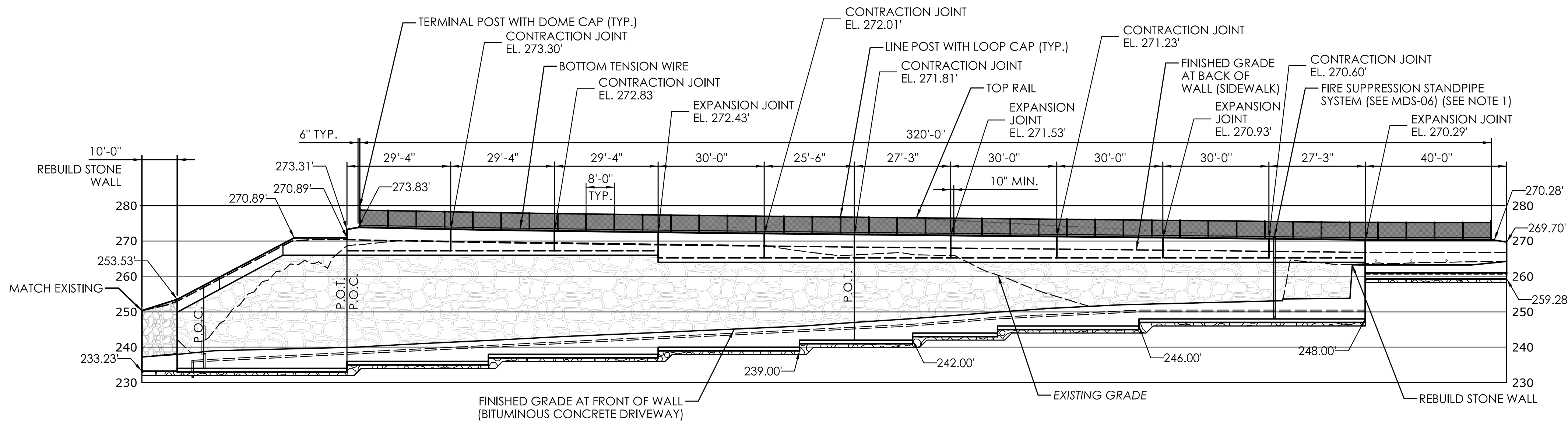
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DRAWING NO.:

STR-09

SHEET NO.:

04.10

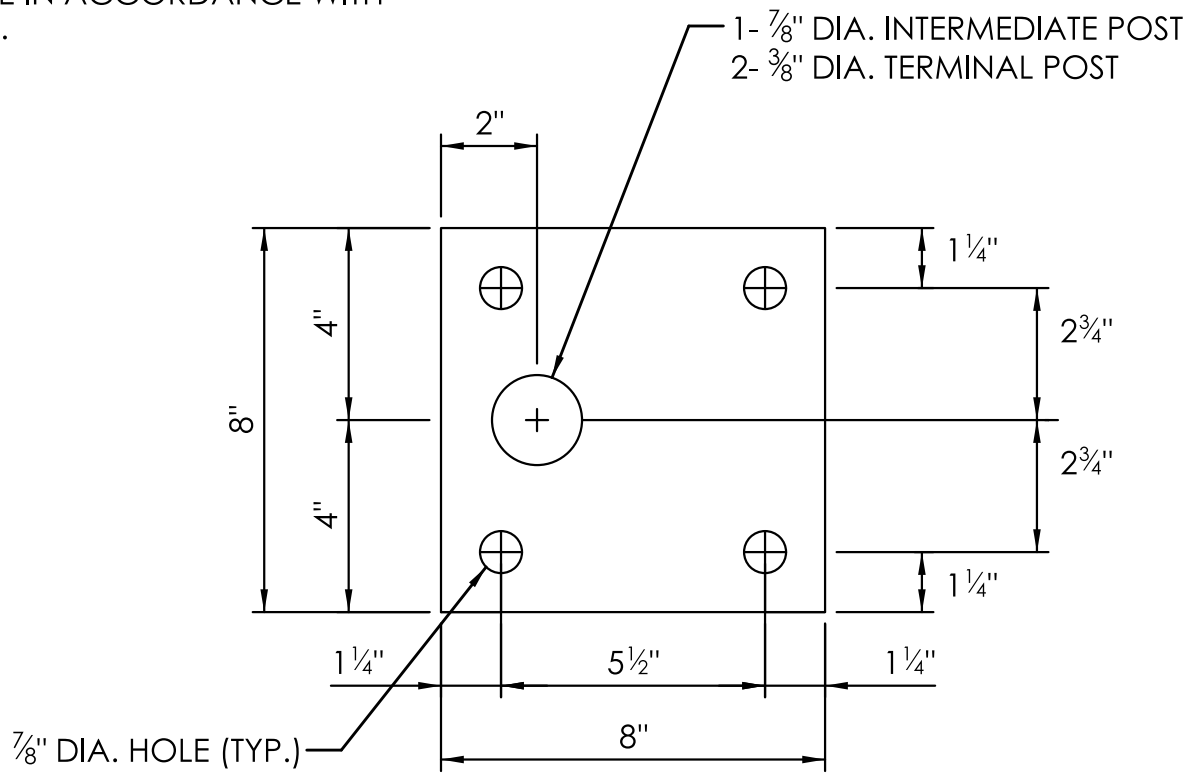


RETAINING WALL 101 - TRAFFIC BARRIER & PROTECTIVE FENCE ELEVATION

SCALE: 1" = 20'-0"

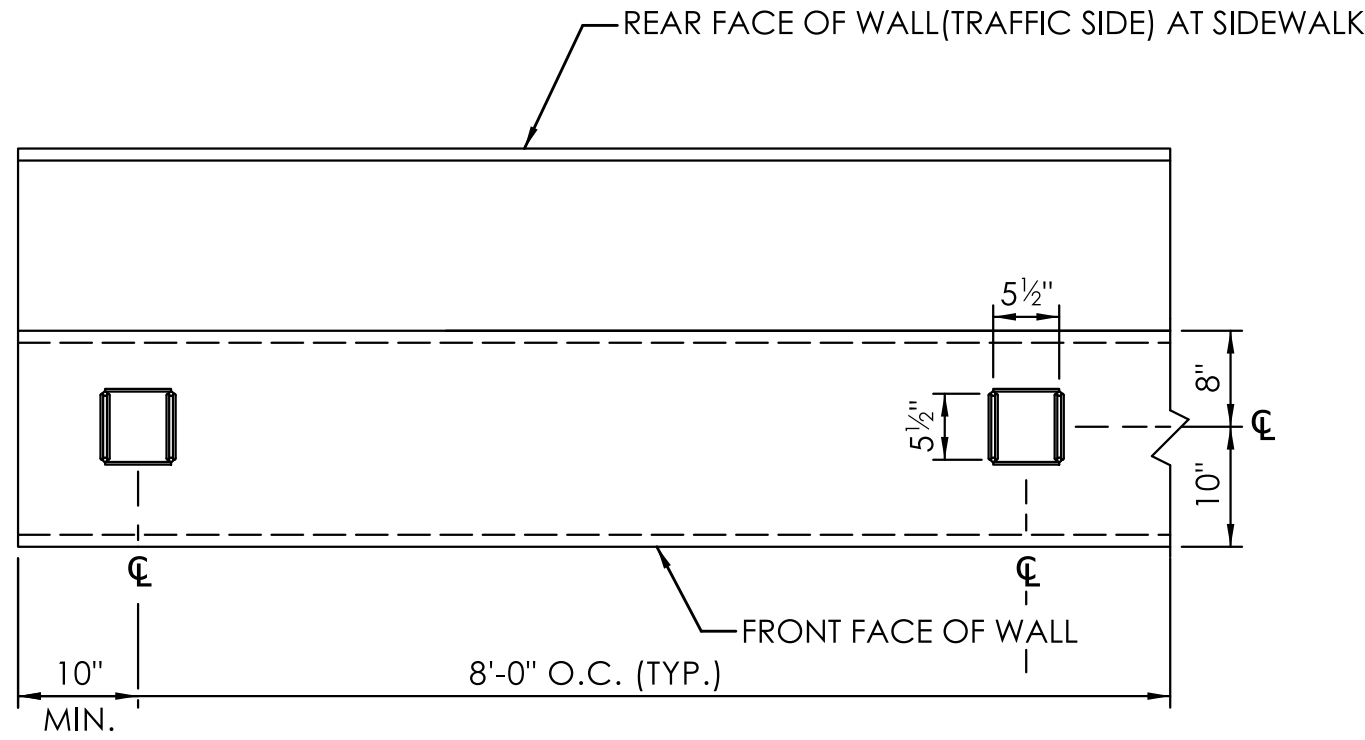
NOTES:

- WHERE FIRE SUPPRESSION STANDPIPE SYSTEM PASSES OVER THE TOP OF THE PARAPET, THE WIRE MESH SHALL BE CLIPPED TO ALLOW A MINIMUM OF 1-INCH GAP ON ALL SIDES OF THE STANDPIPE.
- THE JOINT SPACING SHOWN IS BASED ON A CAST-IN-PLACE TRAFFIC BARRIER. IF A PRECAST BARRIER IS SELECTED, THE JOINT SPACING SHALL BE IN ACCORDANCE WITH THE SPECIAL PROVISION FOR "RETAINING WALL (SITE NO. 1)".



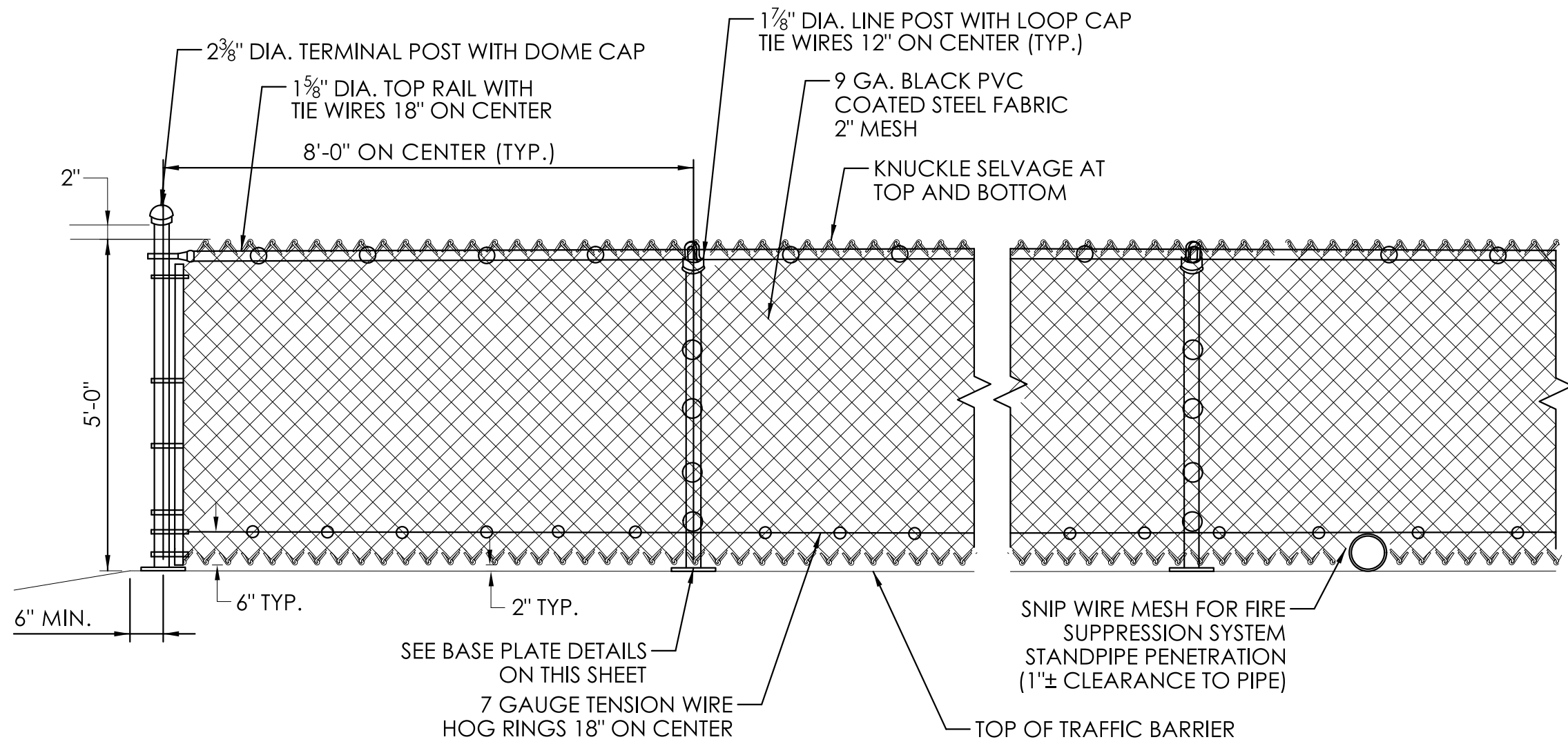
BASE PLATE

3" = 1'-0"



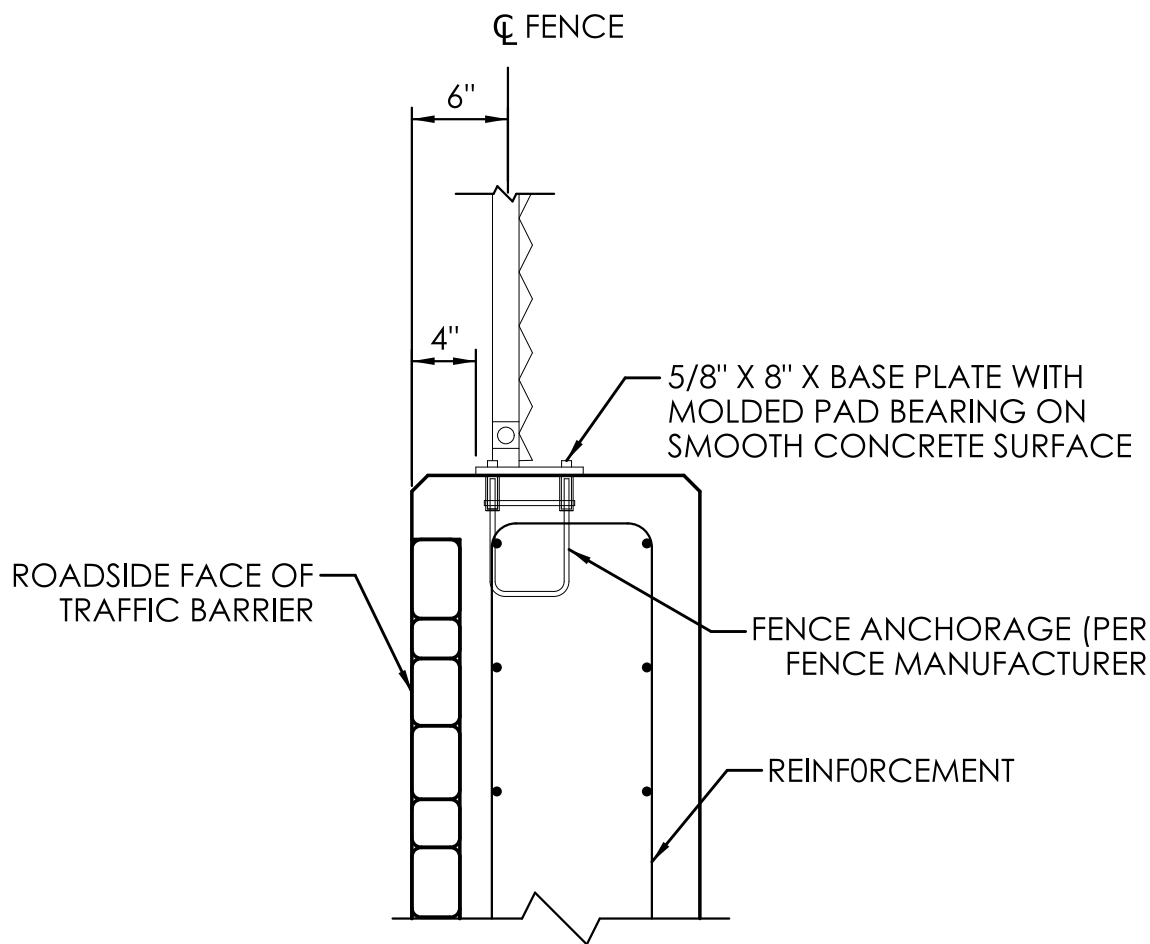
TYPICAL FENCE ANCHORAGE SPACING / ORIENTATION

SCALE: 3/4" = 1'-0"



PROTECTIVE FENCE (5' HIGH) DETAIL

SCALE: 1/2" = 1'-0"



SECTION A-A


SCALE: 1" = 1'-0"

NOTE


TRAFFIC REINFORCING MAY REQUIRE MINOR ADJUSTMENTS TO ACCOMMODATE FENCE ANCHORAGE

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:



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DESIGNER/DRAFTER: L. BUCHELI
CHECKED BY: S. PLUDE



CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

PROJECT TITLE:

REPLACEMENT OF RETAINING WALL ALONG ROUTE 44

TOWN(S):

PUTNAM

DRAWING TITLE:

RETAINING WALL 101 -
PROTECTIVE FENCE
ELEVATION & DETAILS

PROJECT NO.:

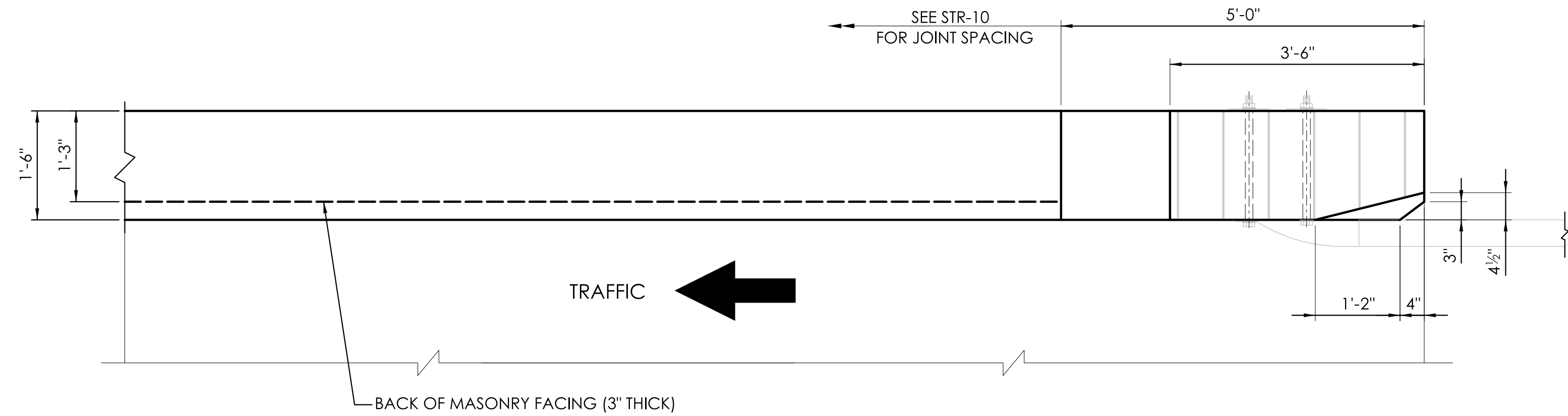
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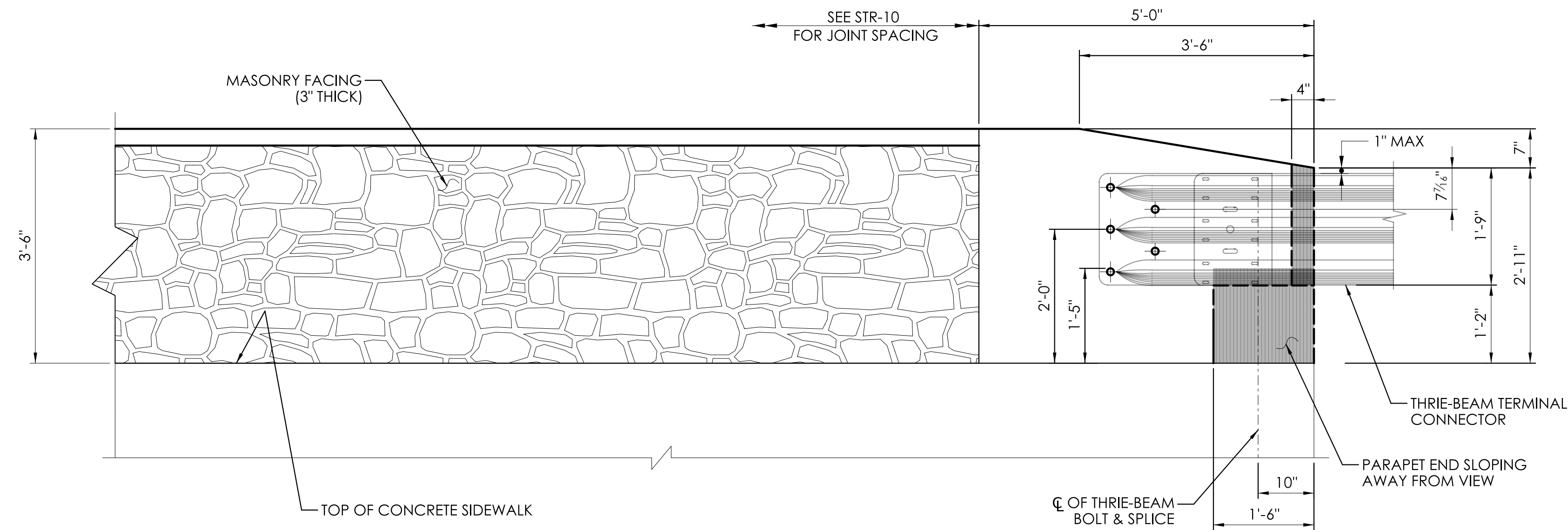
STR-10

SHEET NO.:

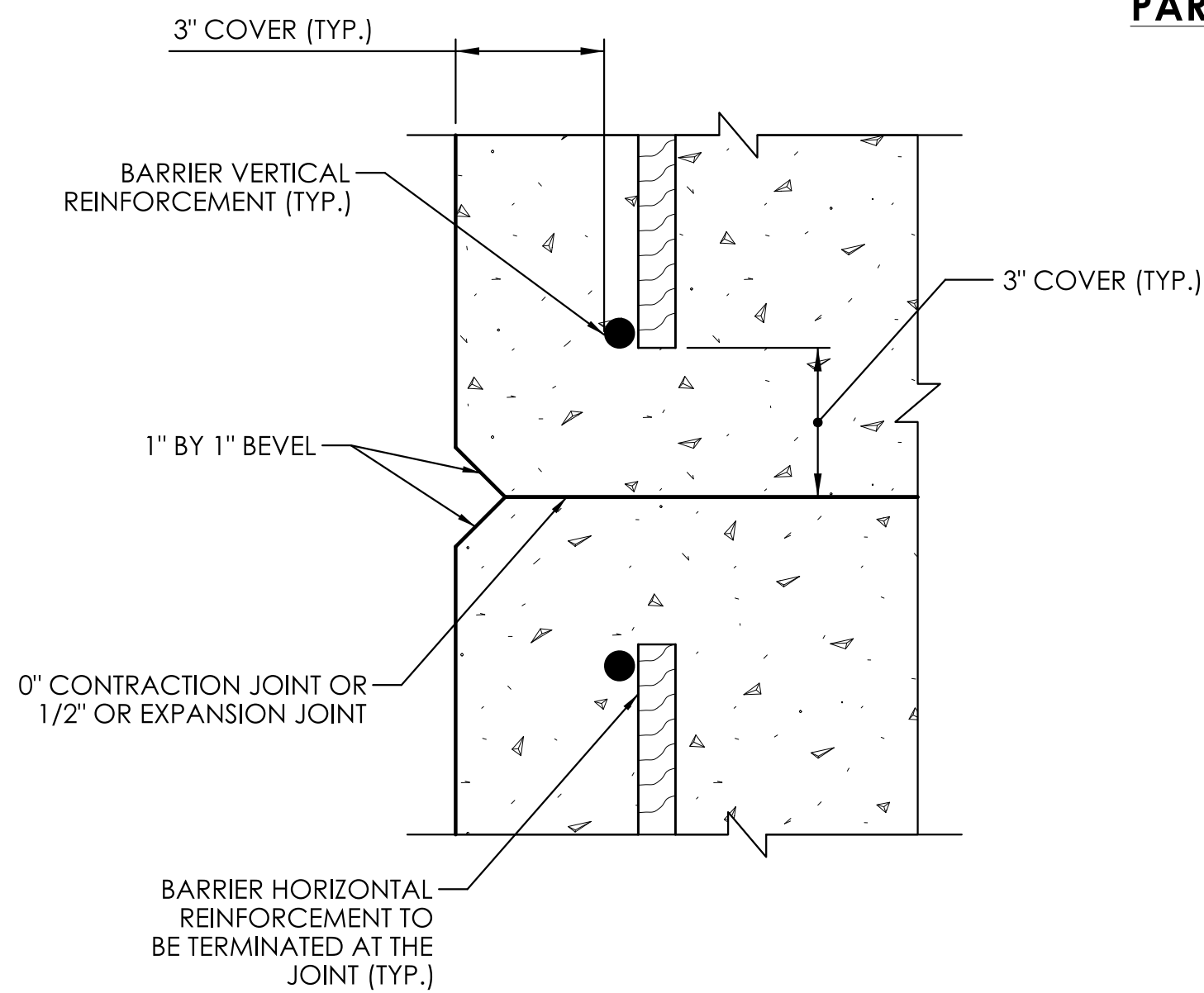
04.11



PARTIAL PLAN
SCALE: 3/4" = 1'-0"



PARTIAL ELEVATION
SCALE: 3/4" = 1'-0"

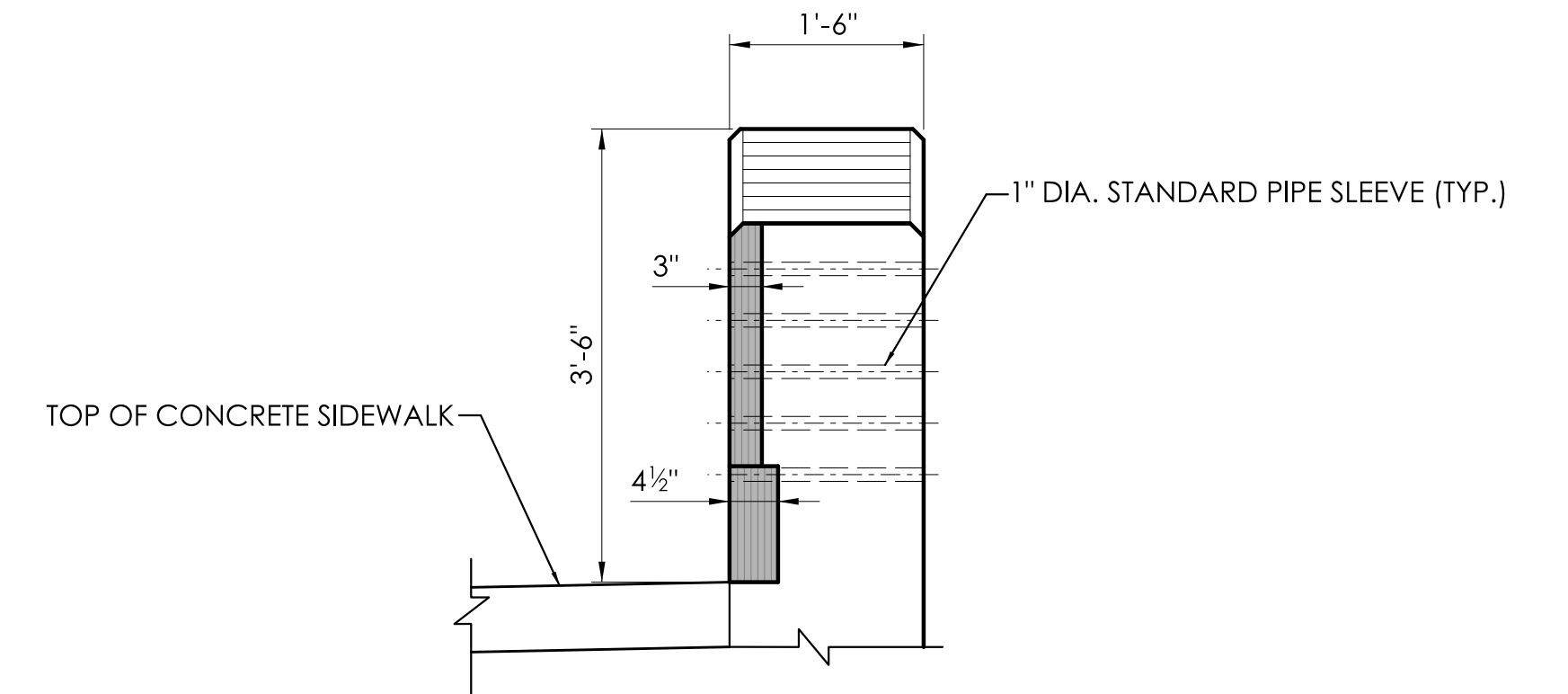


PLAN SECTION - JOINT DETAIL (MILL SIDE)
SCALE: 3" = 1'-0"

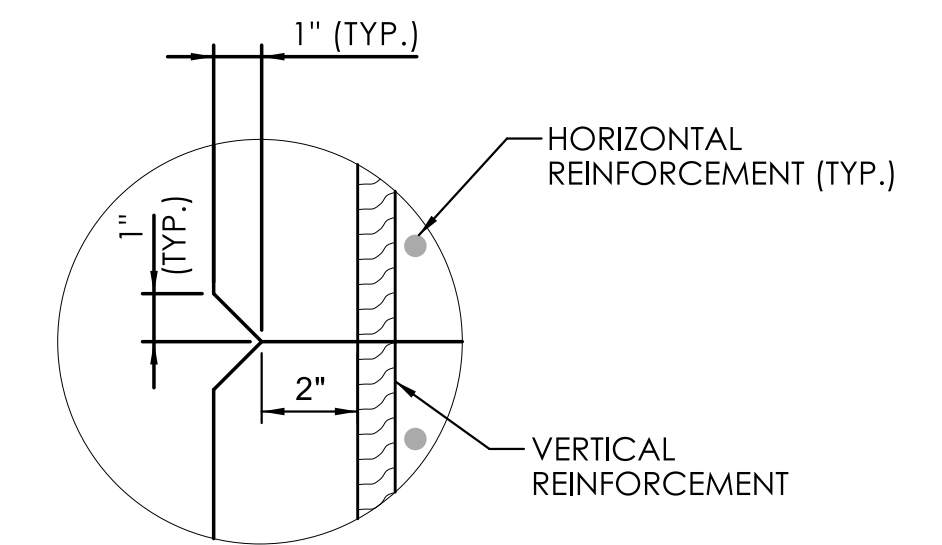
REINFORCEMENT SPLICE NOTES

- THE SPLICE LENGTH FOR THE REINFORCEMENT IN THE PARAPETS SHALL BE AS FOLLOWS UNLESS DIMENSIONED OTHERWISE:

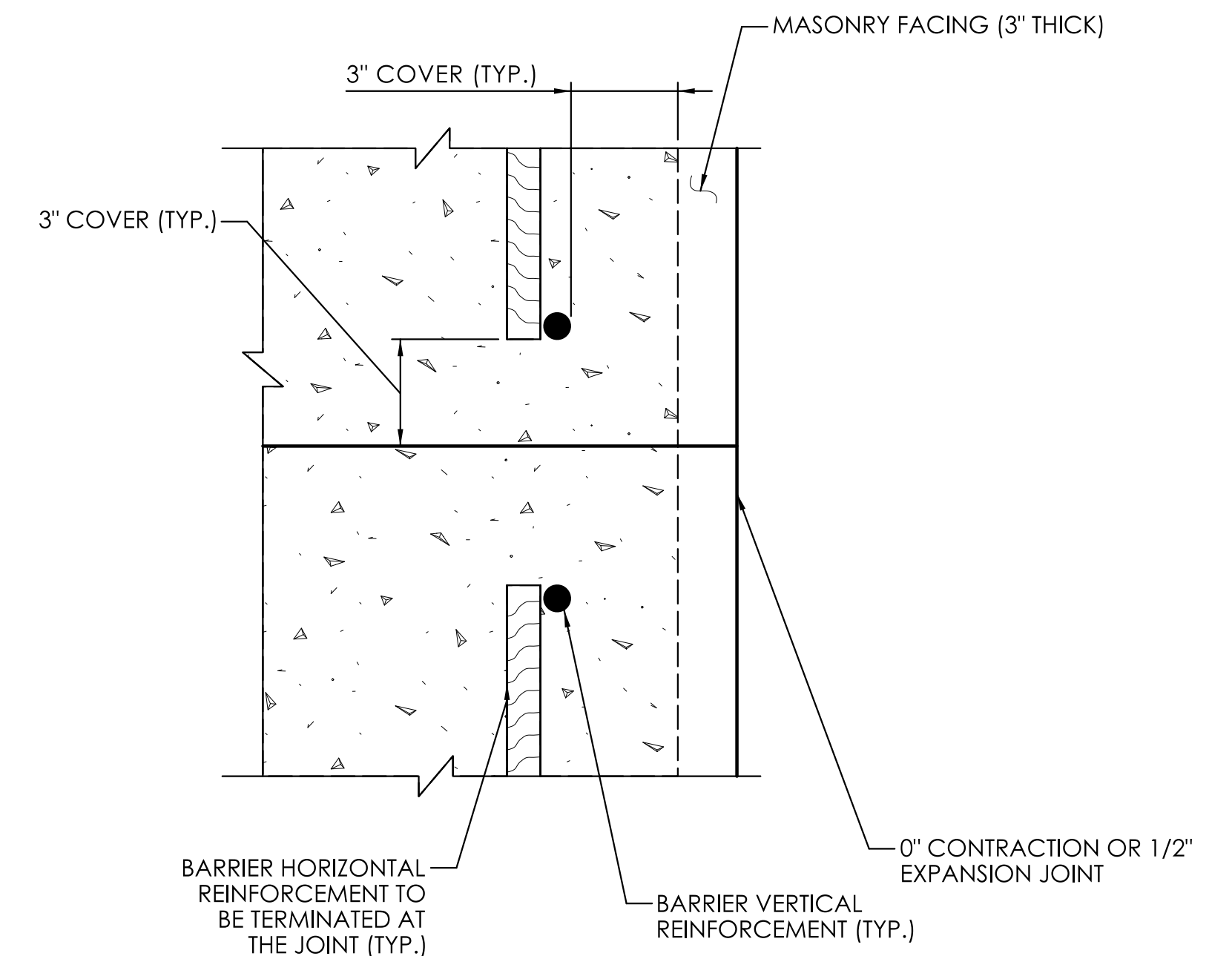
BAR SIZE	SPLICE LENGTH
#6	2'-6"
- THE SPLICES SHALL BE ALTERNATED SO THAT 50% OR LESS OF THE LONGITUDINAL BARS ARE SPICED AT THE SAME LOCATION.



END VIEW AT THRIE BEAM ATTACHMENT
SCALE: 3/4" = 1'-0"



TYPICAL RUSTICATION DETAIL
SCALE: 3" = 1'-0"



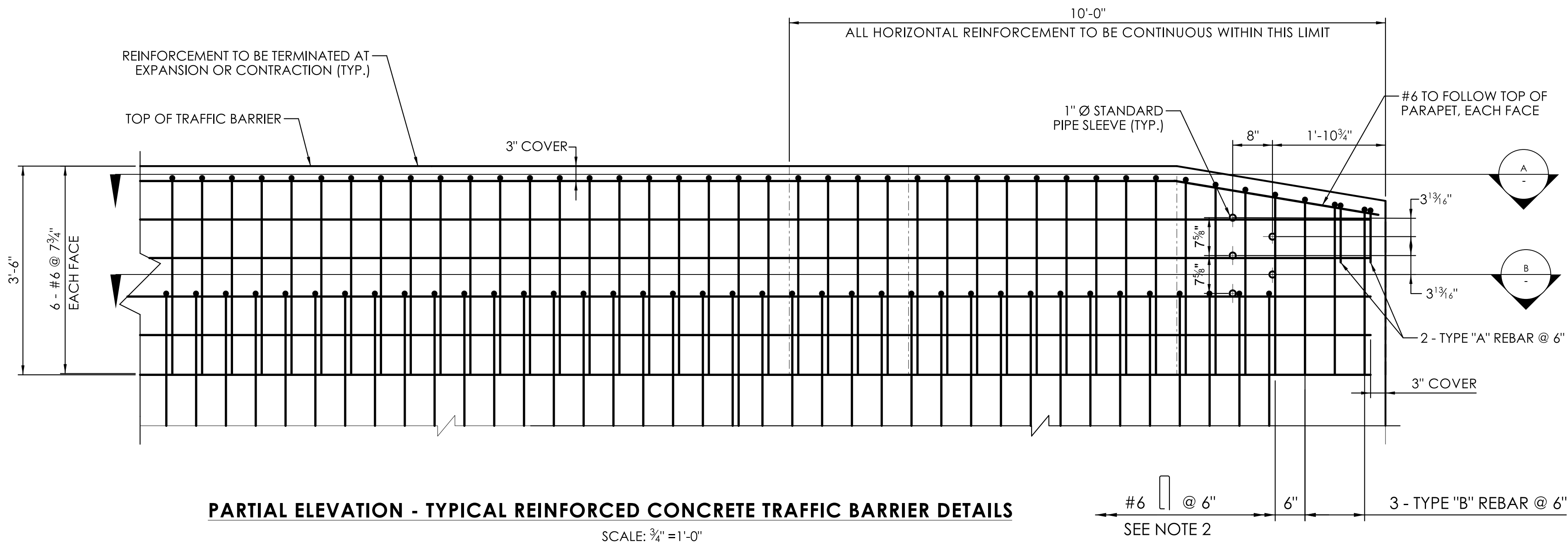
PLAN SECTION - JOINT DETAIL (ROADSIDE FACE)
SCALE: 3" = 1'-0"

REV.	DATE	REVISION DESCRIPTION

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DESIGNER/DRAFTER: J.KABUMBA
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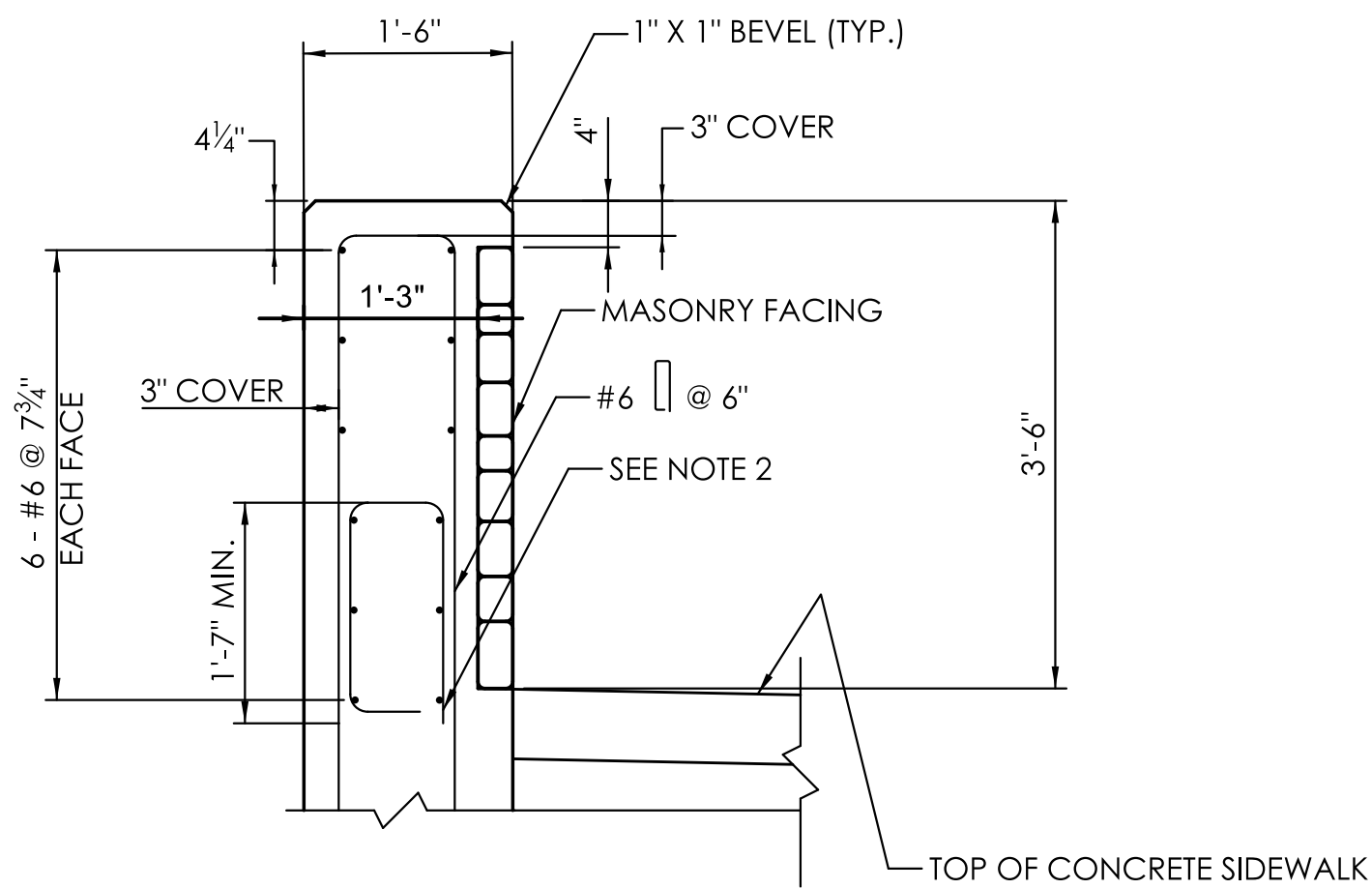
PROJECT TITLE: REPLACEMENT OF RETAINING WALL ALONG ROUTE 44	TOWN(S): PUTNAM	DRAWING TITLE: TRAFFIC BARRIER - DETAILS	PROJECT NO.: 0115-0122	DRAWING NO.: STR-11
				SHEET NO.: 04.12



PARTIAL ELEVATION - TYPICAL REINFORCED CONCRETE TRAFFIC BARRIER DETAILS
SCALE: 3/4" = 1'-0"

NOTES

1. THE TRAFFIC BARRIER SHALL BE DETAILED AS SHOWN ON THE PLANS ABOVE FINISHED GRADE. LOCATIONS OF CONTRACTION AND EXPANSION JOINTS MAY VARY IF THE BARRIER IS PRECAST. SEE SPECIAL PROVISION FOR "RETAINING WALL (SITE NO. 1)".
2. REINFORCING CONNECTING THE TRAFFIC BARRIER TO THE MOMENT SLAB SHALL BE PER MANUFACTURER DESIGN.

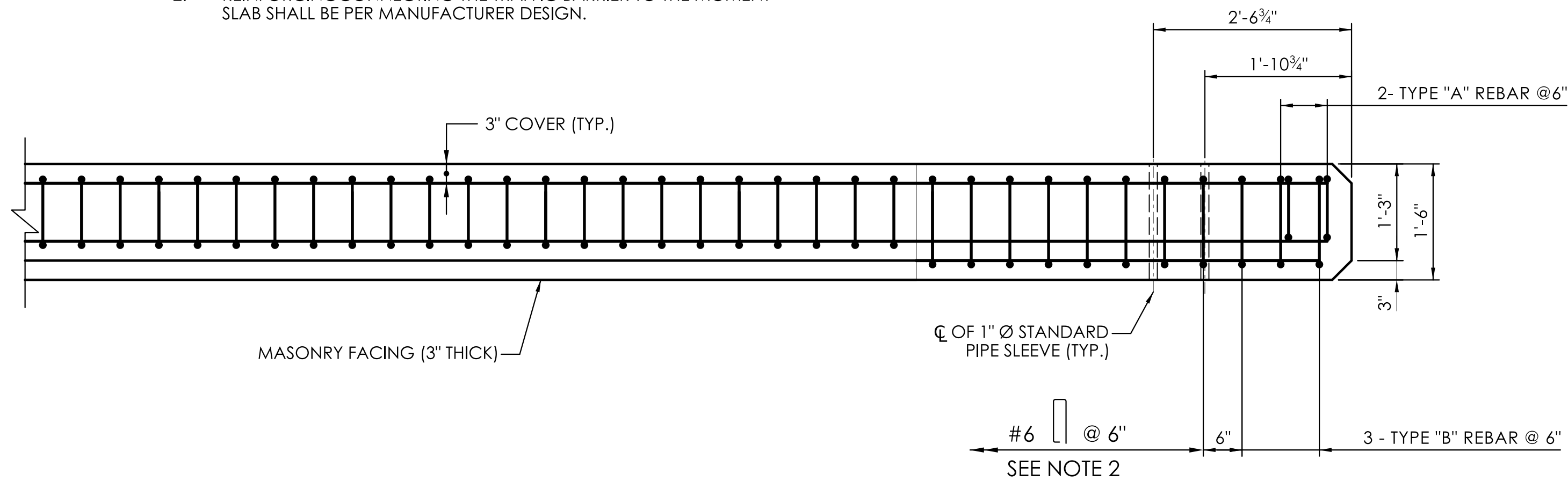


TRAFFIC BARRIER TYPICAL REINFORCING ABOVE GUTTERLINE
SCALE: 3/4" = 1'-0"

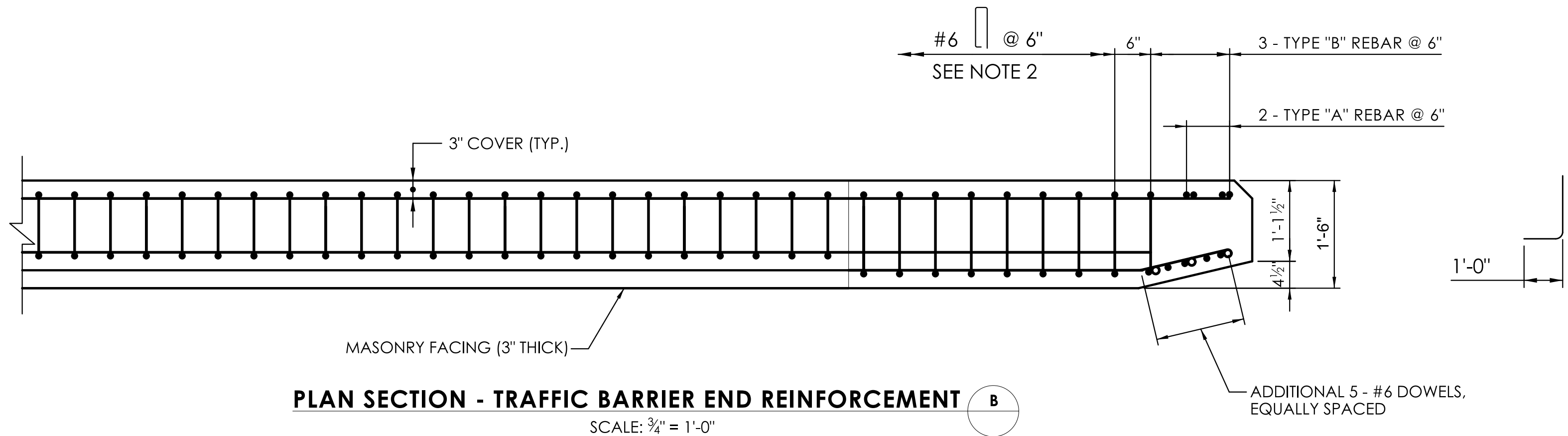
REINFORCEMENT SPLICE NOTES

1. THE SPLICE LENGTH FOR THE REINFORCEMENT IN THE PARAPETS SHALL BE AS FOLLOWS UNLESS DIMENSIONED OTHERWISE:

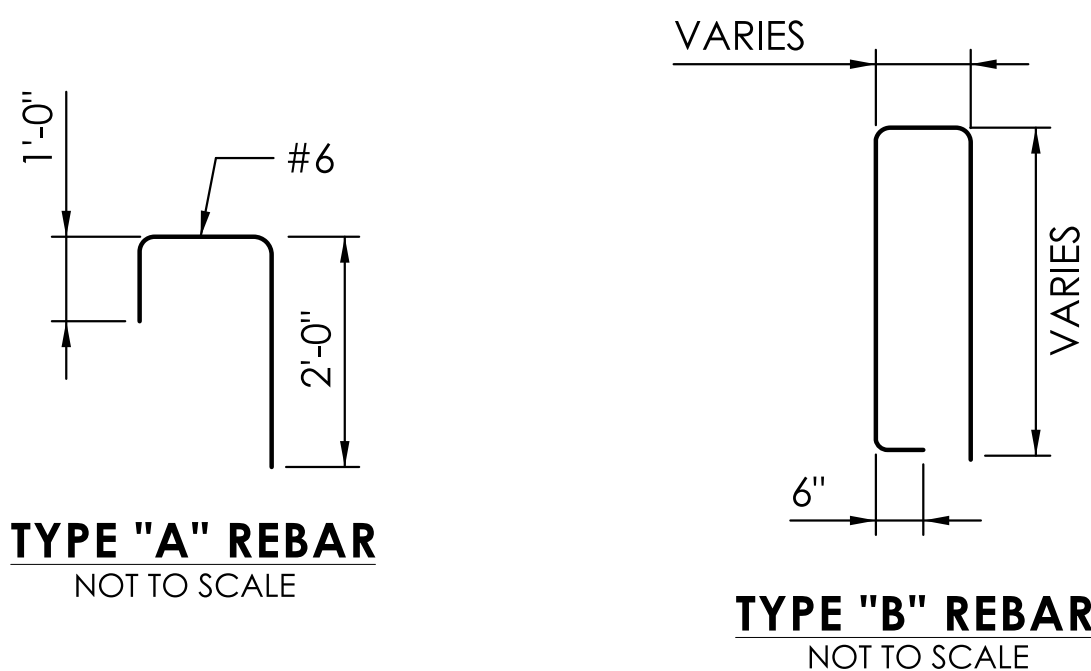
BAR SIZE	SPLICE LENGTH
#6	2'-6"
2. THE SPLICES SHALL BE ALTERNATED SO THAT 50% OR LESS OF THE LONGITUDINAL BARS ARE SPLICED AT THE SAME LOCATION.



PLAN SECTION - TRAFFIC BARRIER END REINFORCEMENT (A)
SCALE: 3/4" = 1'-0"



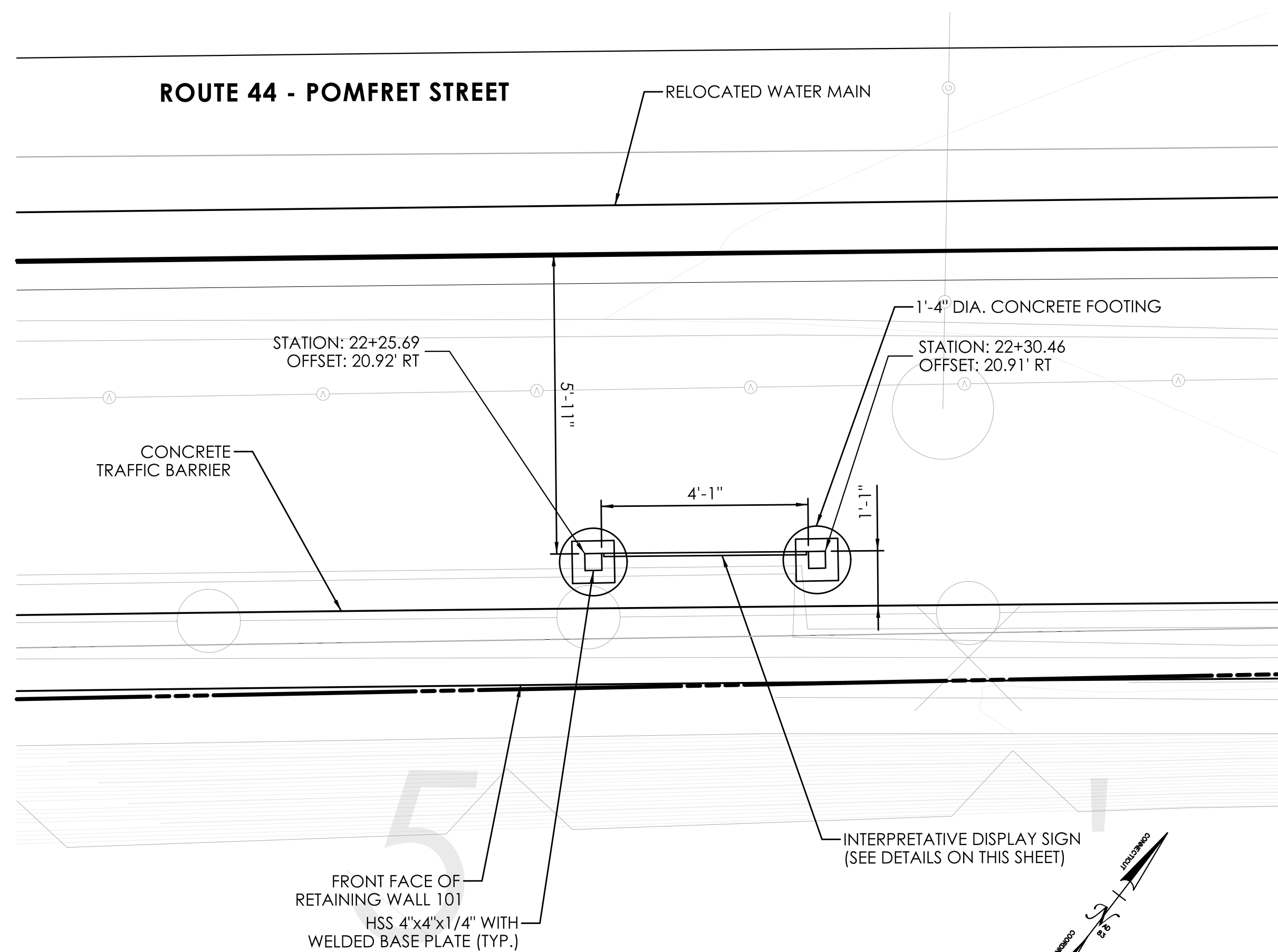
PLAN SECTION - TRAFFIC BARRIER END REINFORCEMENT (B)
SCALE: 3/4" = 1'-0"



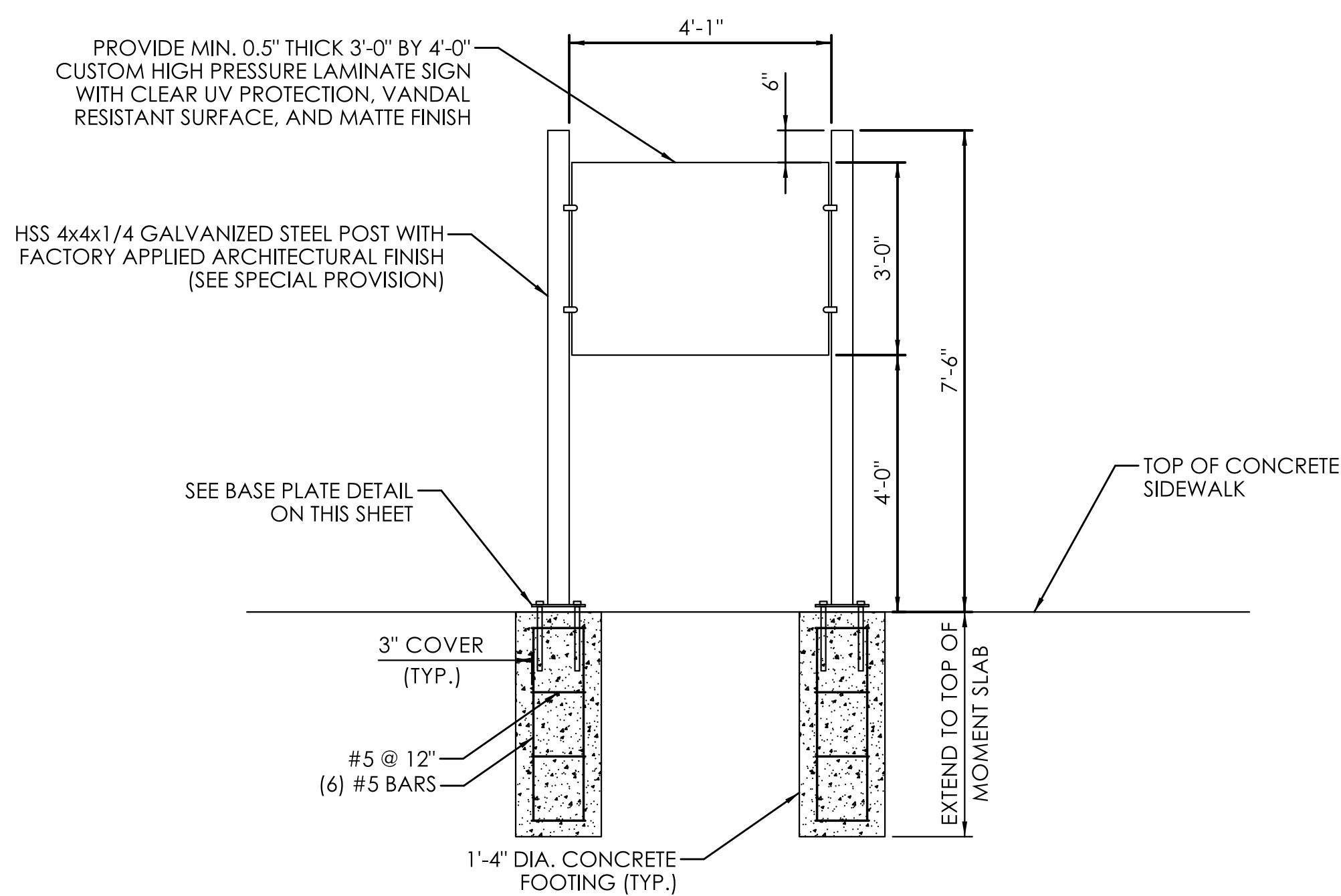
TYPE "A" REBAR
NOT TO SCALE

TYPE "B" REBAR
NOT TO SCALE

REV.	DATE	REVISION DESCRIPTION



INTERPRETATIVE DISPLAY SIGN - PLAN
SCALE: 1/4" = 1'-0"



INTERPRETATIVE DISPLAY SIGN - ELEVATION

SCALE: 1/2" = 1'-0"

INTERPRETATIVE DISPLAY SIGN NOTES

MATERIALS:
FOUNDATIONS: CONCRETE FOR FOUNDATIONS SHALL BE CLASS PCC03340.

REINFORCEMENT: REINFORCING STEEL SHALL CONFORM TO THE REQUIREMENTS OF ASTM A615, GRADE 60.

STRUCTURAL STEEL: STEEL FOR SIGN POSTS AND BASE PLATES SHALL CONFORM TO THE REQUIREMENTS OF ASTM M270, GRADE 36, AND SHALL BE HOT DIP GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123. THE POSTS SHALL THEN RECEIVE A FACTORY APPLIED ARCHITECTURAL FINISH IN ACCORDANCE WITH THE SPECIAL PROVISIONS.

ANCHORS: THREADED FERRULES SHALL BE FABRICATED FROM TYPE 304 STAINLESS STEEL. RODS SHALL BE FABRICATED FROM STEEL CONFORMING TO AISI 1038. STEEL COILS SHALL CONFORM TO THE REQUIREMENTS OF AISI 1008. MINIMUM TENSILE STRENGTH OF 60,000 LBS.

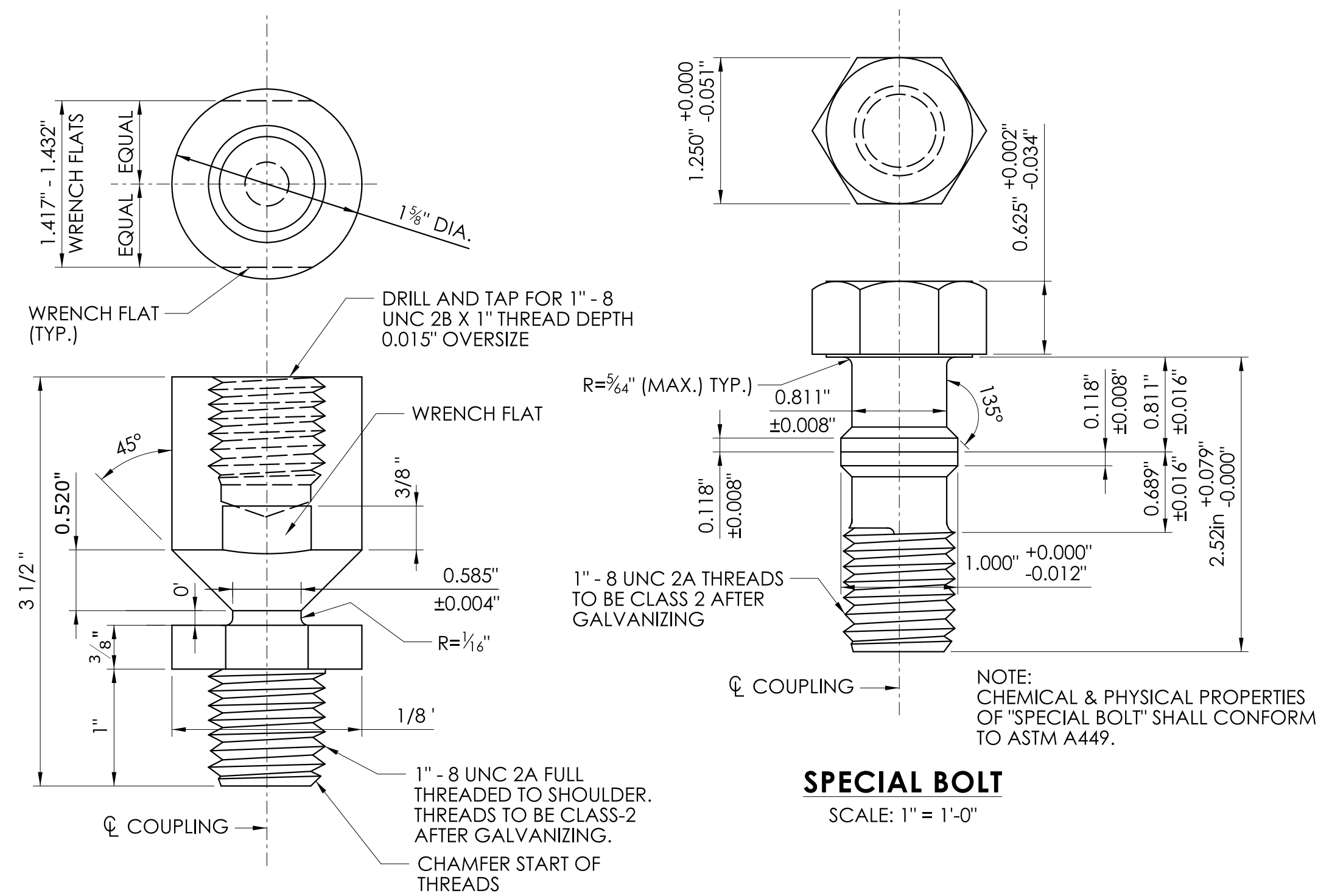
SHIMS: 1" HORSESHOE SHIMS SHALL BE FABRICATED FROM 14 OR 18 GAUGE SHEET STEEL.

BREAKAWAY COUPLINGS: BREAKAWAY COUPLINGS SHALL BE MADE FROM ALLOY STEEL CONFORMING TO AMS 6378D WITH EXCEPTIONS TO DECARBURIZATION AND MICROSTRUCTURE CLAUSES OR AN EQUIVALENT MATERIAL, AND SHALL HAVE A MINIMUM TENSILE YIELD STRENGTH OF 130,000 PSI. THE COUPLING SHALL HAVE A MINIMUM TENSILE ULTIMATE STRENGTH OF 40,400 LBS. THE ROCKWELL HARDNESS SHALL BE C32 MINIMUM. COUPLINGS SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM A153. CLEANED AND PHOSPHATED PER FEDERAL SPECIFICATION TT-C-490C, COATED, .002" - .004" THICK, USING MORTON POWDER COATINGS' 20-7037 BLACK POLYESTER POWDER OR EQUIVALENT. CHIPPED AREAS OF THE COATED SURFACE SHALL BE REPAIRED. ALL THREADED SURFACES, AFTER COATING, SHALL BE CLEANED TO ALLOW THEM TO FUNCTION PROPERLY.

SIGN PANEL: SHALL CONSIST OF STEEL FLAT STOCK CONFORMING TO THE STANDARDS OF ASTM 36, AISI M1020 OR 1015. PANEL FACING SHALL BE 1/2" THICK HIGH-PRESSURE LAMINATE WITH CLEAR UV PROTECTION AND VANDAL RESISTANT FINISH.

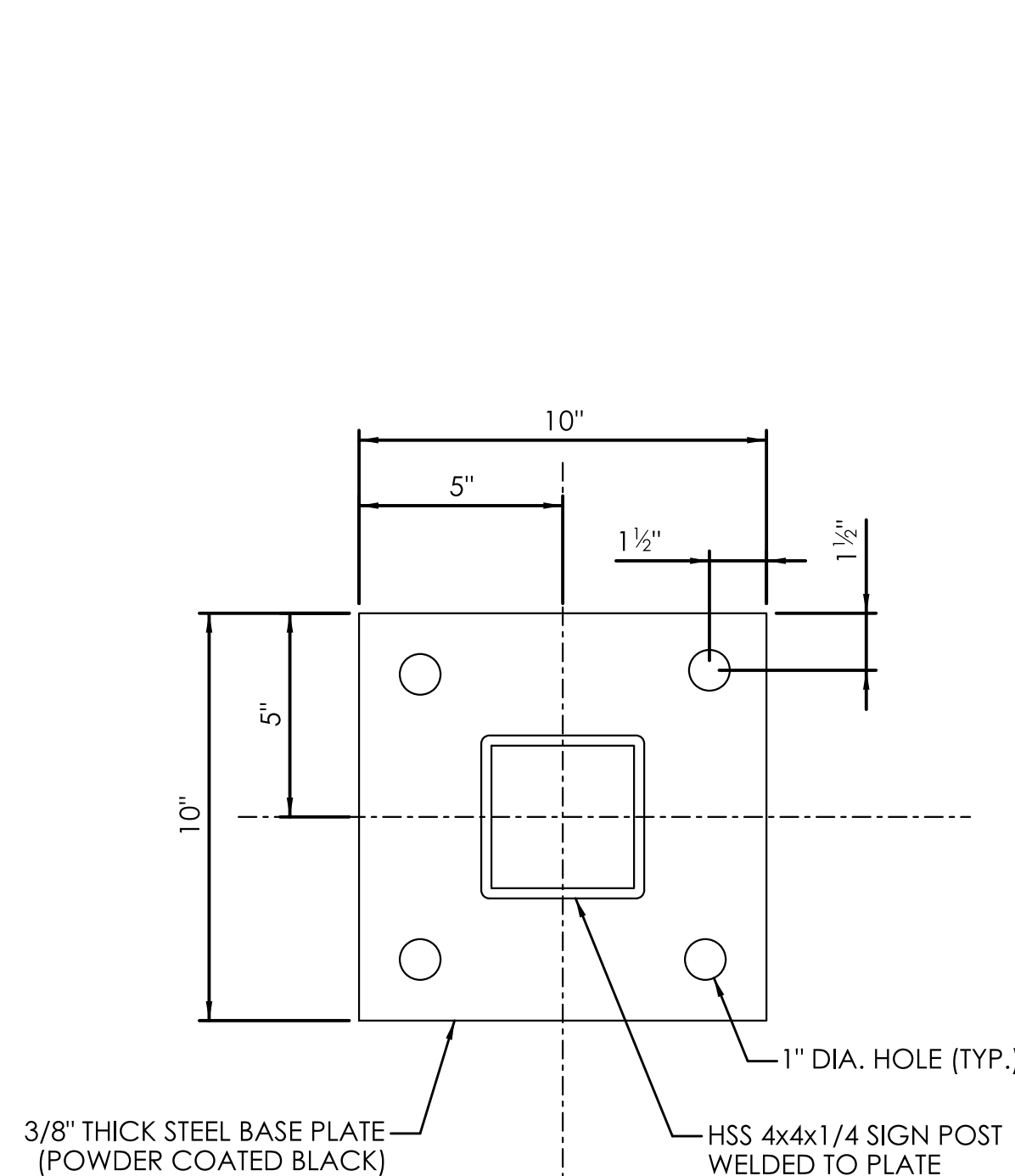
FASTENERS: ALL HARDWARE AND FASTENERS FOR THE SIGN SHALL BE STAINLESS STEEL GRADE 316.

NOTE:
THE UNIT PRICE FOR "INTERPRETATIVE DISPLAY SIGN" SHALL BE INCLUSIVE OF THE CONCRETE FOUNDATIONS, STEEL POST SUPPORTS, BREAKAWAY ANCHOR SYSTEMS, THE SIGN PANEL, AND ALL OTHER MISCELLANEOUS ITEMS COMPRISING THE WORK.

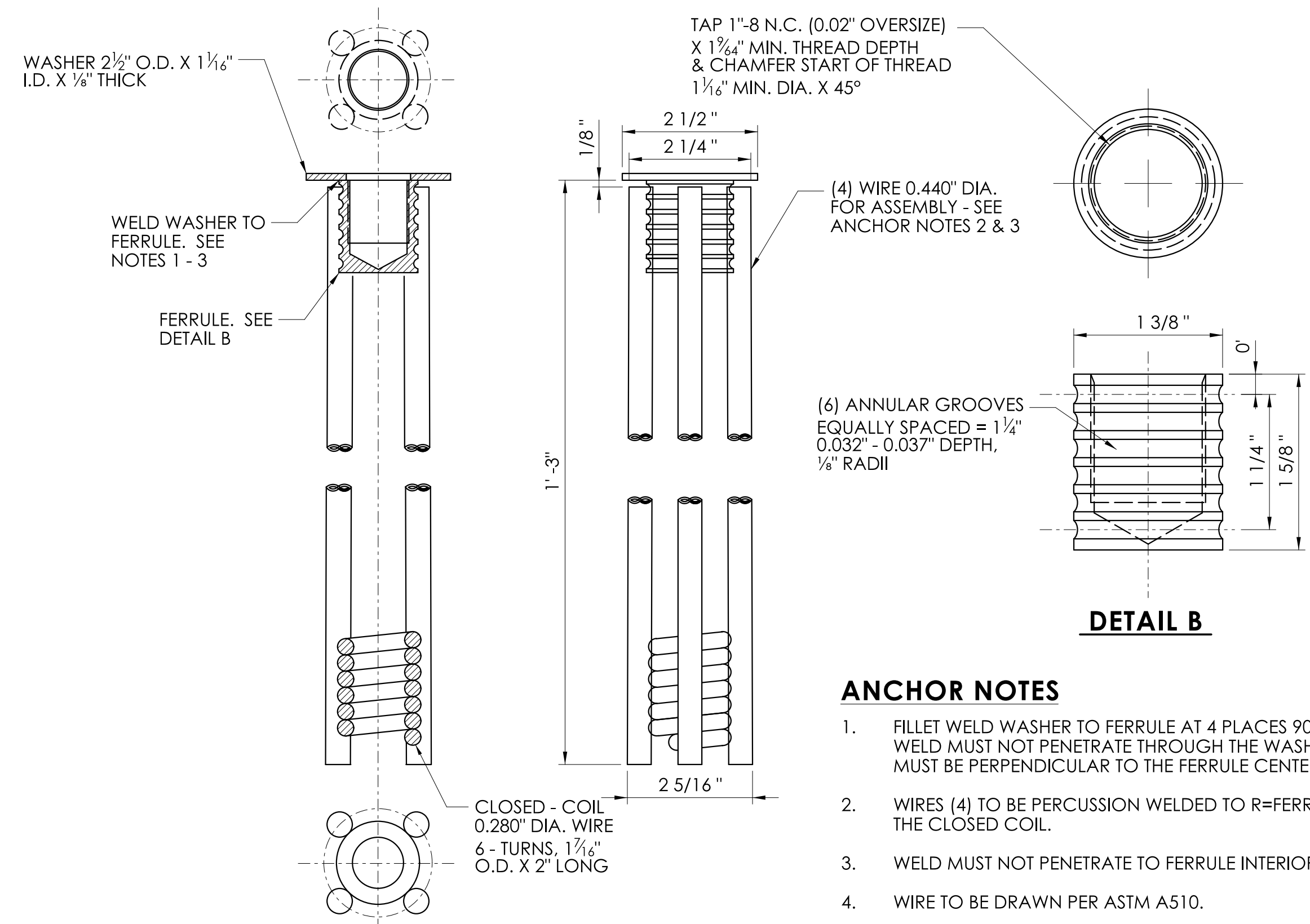


BREAKAWAY COUPLING

SCALE: 1" = 1'-0"



SIGN - POST CONNECTION
SCALE: 3" = 1'-0"




TYPICAL ANCHOR DETAIL
SCALE: 1" = 1'-0"


ANCHOR NOTES

1. FILLET WELD WASHER TO FERRULE AT 4 PLACES 90° APART. WELD MUST NOT PENETRATE THROUGH THE WASHER. WASHER MUST BE PERPENDICULAR TO THE FERRULE CENTER LINE.
2. WIRES (4) TO BE PERCUSSION WELDED TO R=FERRULE AND TO THE CLOSED COIL.
3. WELD MUST NOT PENETRATE TO FERRULE INTERIOR THREADS.
4. WIRE TO BE DRAWN PER ASTM A510.
5. CHEMICAL & PHYSICAL CERTIFICATION SHALL ACCOMPANY THE MATERIAL.
6. CERTIFICATION SHALL EXPLICITLY INDICATE THE MATERIAL TO BE DOMESTIC.
7. TOLERANCES ON DECIMAL DIMENSIONS SHALL BE $\pm 0.04"$. ALL OTHER TOLERANCES SHALL BE $\pm 0.04"$, EXCEPT AS NOTED.

[illegible]

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CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

PROJECT TITLE:

REPLACEMENT OF RETAINING WALL ALONG ROUTE 44

TOWN(S):

PUTNAM

DRAWING TITLE:

**INTERPRETATIVE DISPLAY
SIGN - PLAN & DETAILS**

PROJECT NO.:	DRAWING NO.:
0115-0122	STR-13
	SHEET NO.:
	04.14