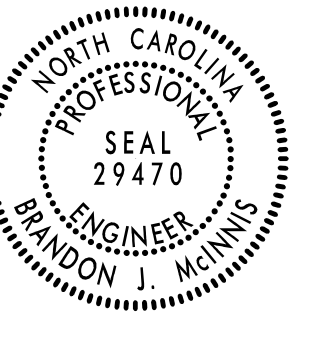
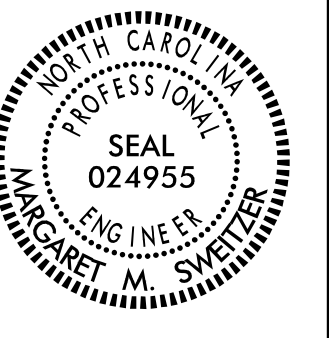
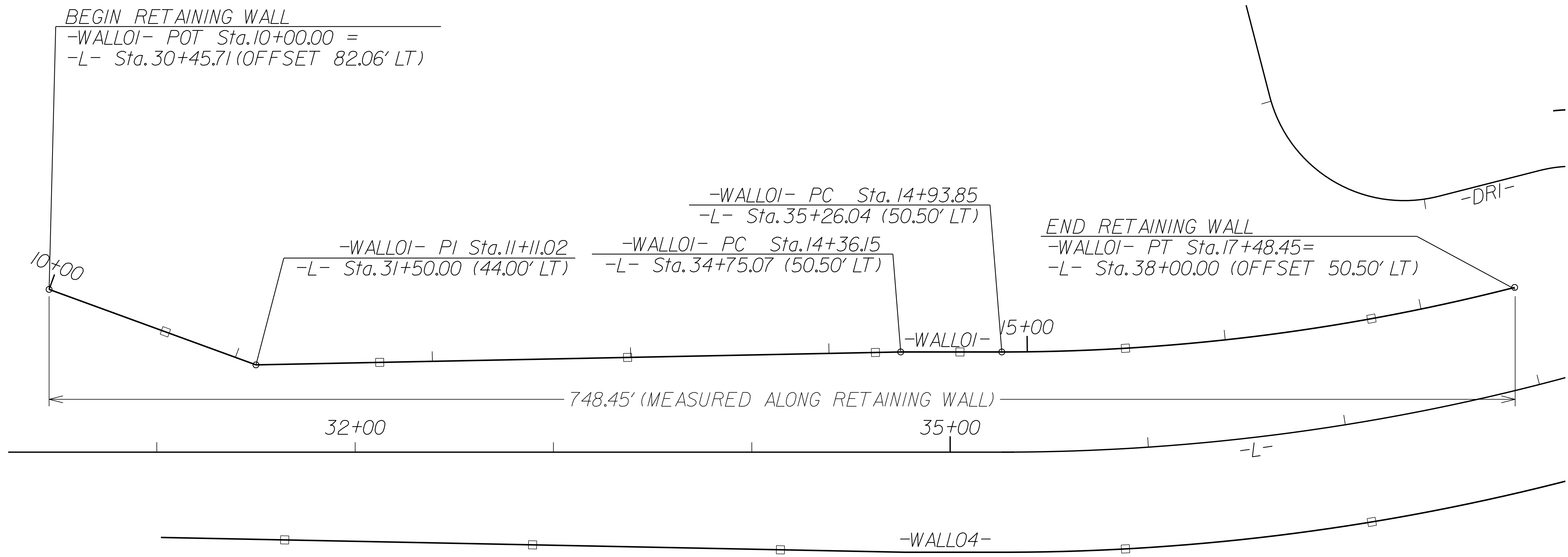


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4/10/2026
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RETAINING WALL #1 DETAIL – LOCATION DETAIL

PROJECT REFERENCE NO.	SHEET NO.
P-5707	W-1
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	GEOTECHNICAL ENGINEER
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



WAD 83 NSRS 2007

-WALLO1-
PI Sta 16+18.47
$\Delta = 14^{\circ} 20' 05.3''$ (LT)
$D = 5^{\circ} 29' 07.7''$
$L = 261.32'$
$T = 131.35'$
$R = 1,044.50'$

FOR PLAN SEE SHT. 5

GRAPHIC SCALE

20 10 0 20 40

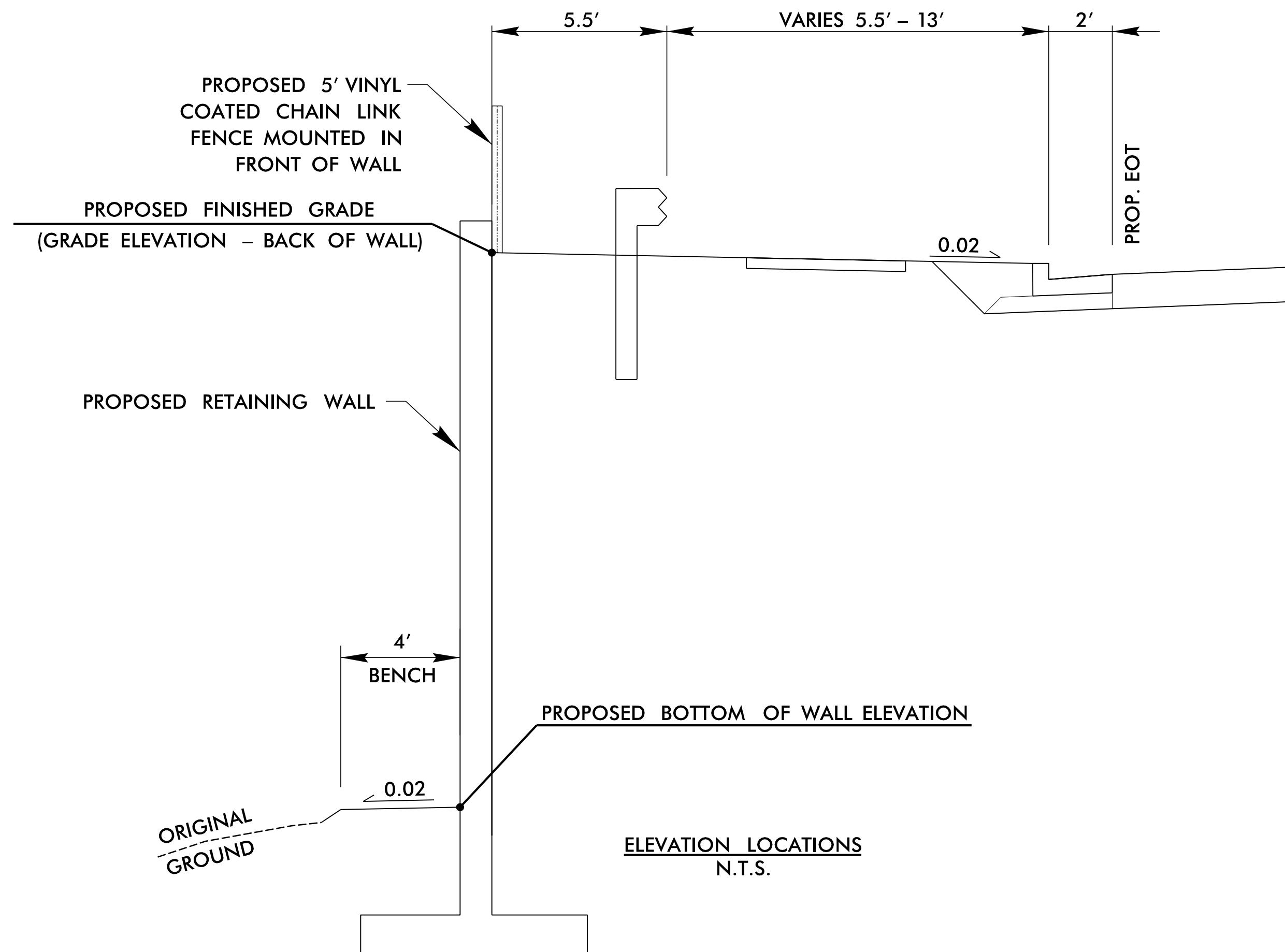
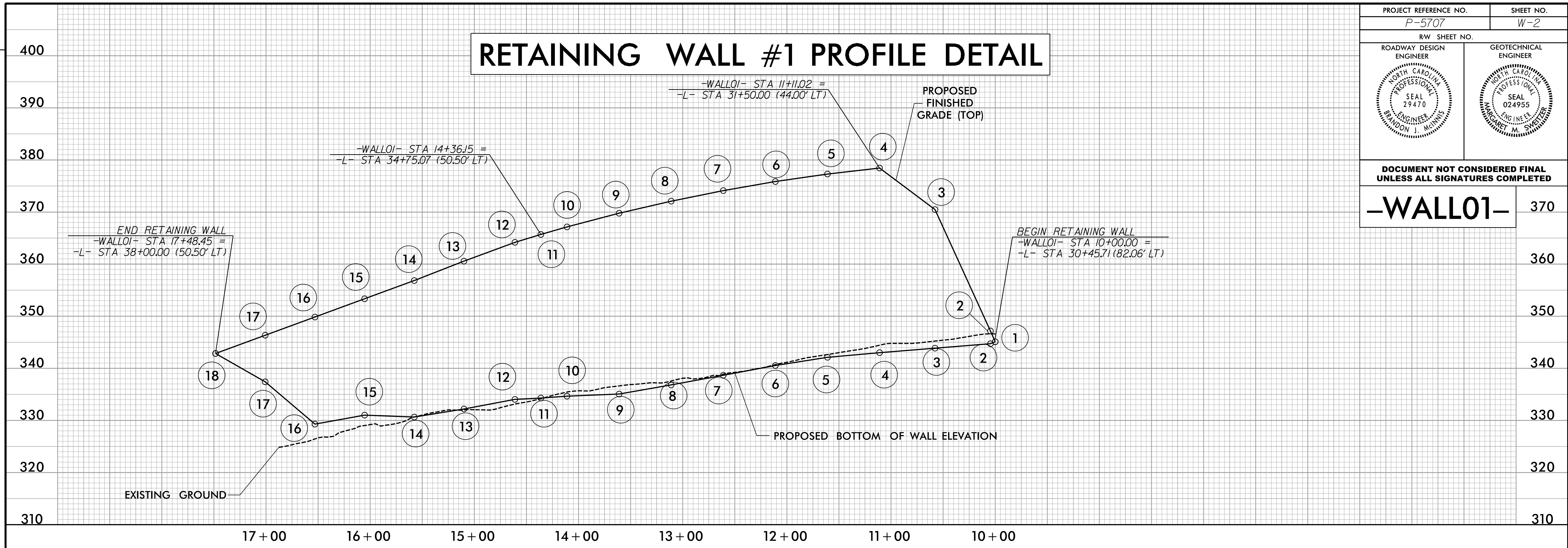
PLANS



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5/26/2026 R:\Geotech\InvestigationDesign\CADD_GEO\TECH\EngineeringDgn\Wall Details 2026\PE5707_GEO_psh_W-2-wall 01 profile - Mirror.dgn



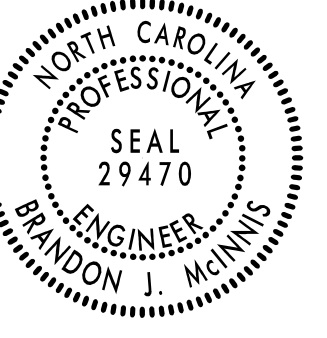
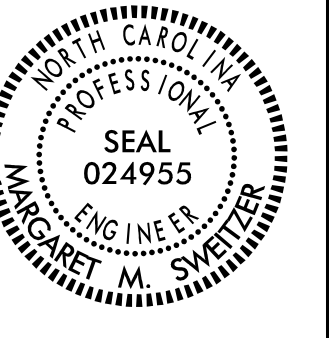
POINT NO.	-WALL01-STATION	PROPOSED FINISHED GRADE (TOP)	PROPOSED BOTTOM OF WALL ELEVATION	-L-STATION
1	10+00.00	345.10	345.10	30+45.71
2	10+04.57	347.17	344.72	30+50.00
3	10+57.79	370.47	343.87	31+00.00
4	11+11.02	378.44	343.01	31+50.00
5	11+61.03	377.29	342.12	32+00.00
6	12+11.04	375.85	340.54	32+50.00
7	12+61.05	374.11	338.67	33+00.00
8	13+11.06	372.08	336.82	33+50.00
9	13+61.07	369.77	335.07	34+00.00
10	14+11.08	367.14	334.66	34+50.00
11	14+36.15	365.70	334.30	34+75.07
12	14+61.08	364.18	334.04	35+00.00
13	15+09.98	360.57	332.20	35+50.00
14	15+57.67	356.85	330.65	36+00.00
15	16+05.37	353.35	331.02	36+50.00
16	16+53.06	349.85	329.29	37+00.00
17	17+00.75	346.35	337.41	37+50.00
18	17+48.45	342.85	342.85	38+00.00

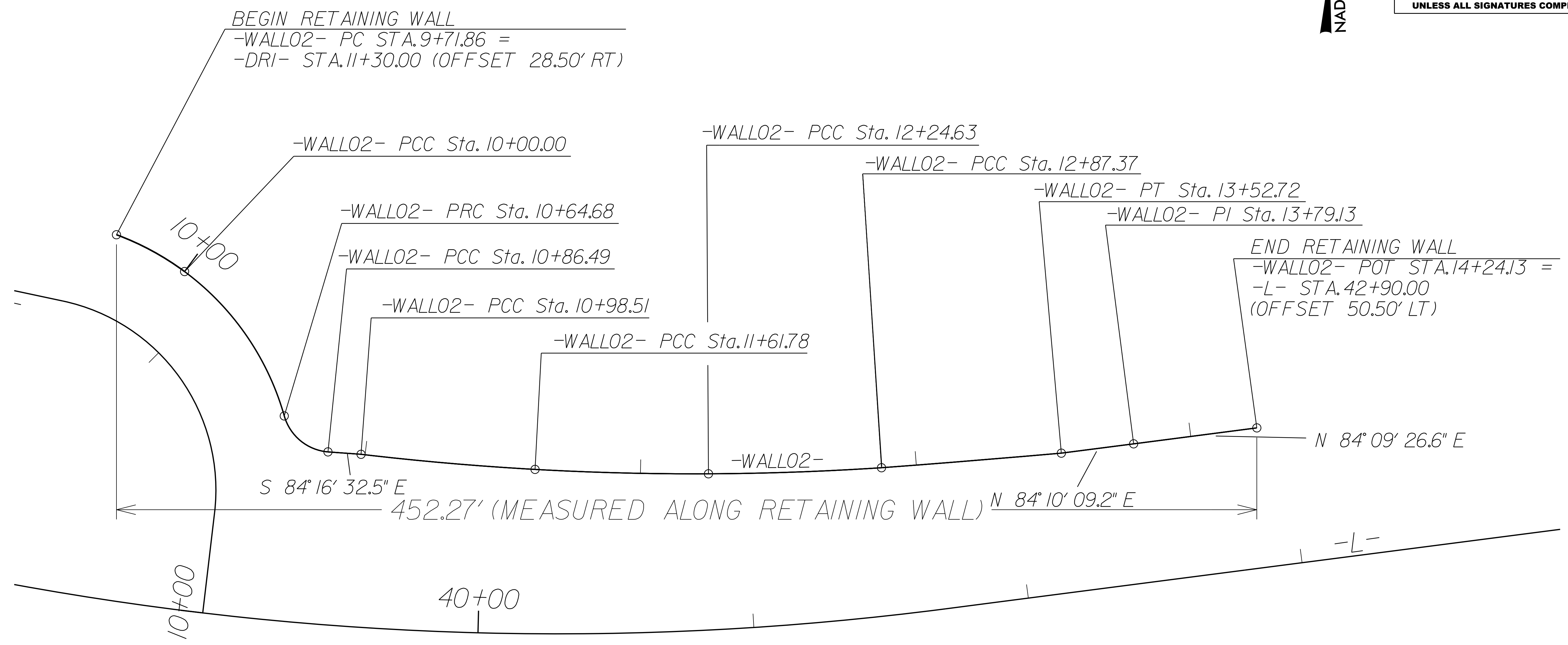
ESTIMATED QUANTITIES		
RETAINING WALL NO.	MSE RETAINING WALL (SQUARE FOOT)	ARCHITECTURAL CONCRETE SURFACE TREATMENT (SQUARE FOOT)
1	23,700	23,700

8/17/99
4/10/2026
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REVISIONS

RETAINING WALL #2 DETAIL – LOCATION DETAIL

NAD 83/NSRS 2007

PROJECT REFERENCE NO. <i>P-5707</i>		SHEET NO. <i>W-3</i>	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER 		GEOTECHNICAL ENGINEER 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			

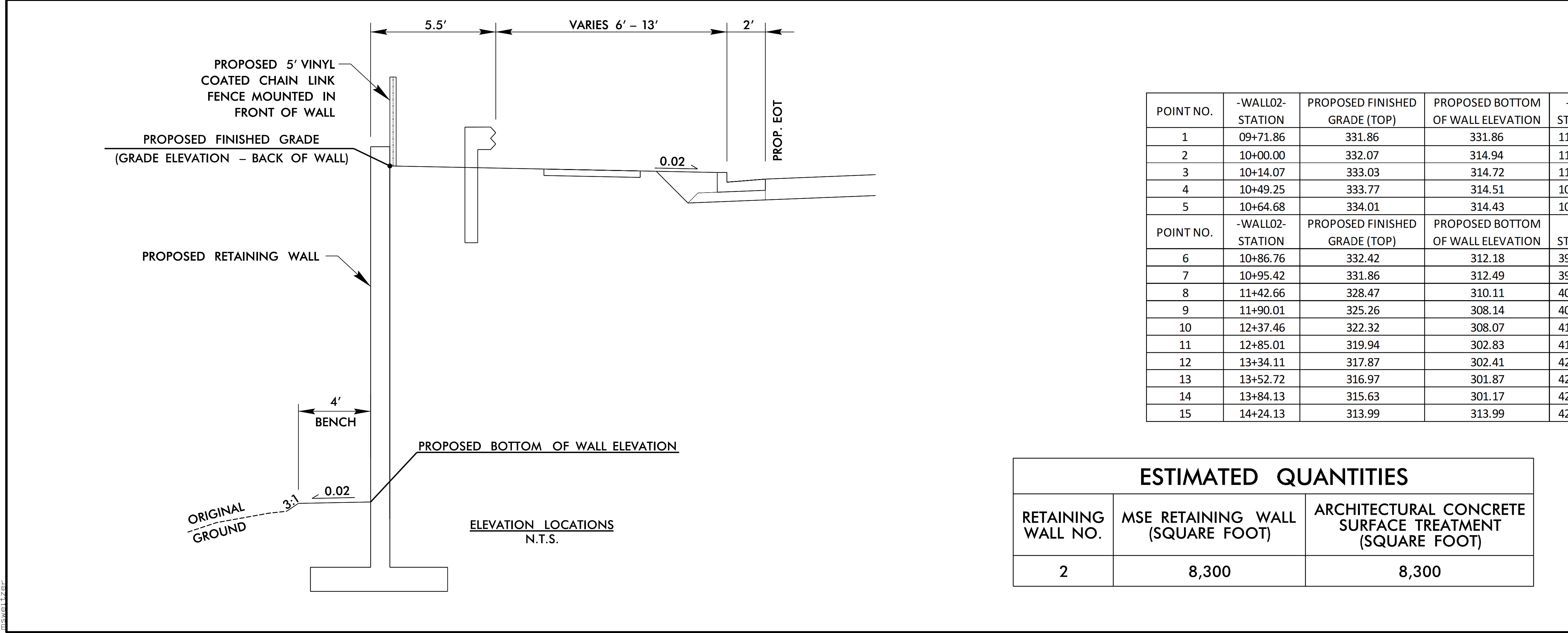


-WALL02-			
<i>PI Sta 9+86.03</i>	<i>PI Sta 10+33.56</i>	<i>PI Sta 10+77.16</i>	<i>PI Sta 11+30.15</i>
$\Delta = 16^{\circ} 22' 12.8''$ (RT)	$\Delta = 37^{\circ} 37' 32.8''$ (RT)	$\Delta = 69^{\circ} 32' 52.0''$ (LT)	$\Delta = 3^{\circ} 30' 45.8''$ (LT)
$D = 58^{\circ} 10' 05.9''$	$D = 58^{\circ} 10' 05.9''$	$D = 318^{\circ} 56' 22.3''$	$D = 5^{\circ} 33' 07.0''$
$L = 28.14'$	$L = 64.68'$	$L = 21.81'$	$L = 63.27'$
$T = 14.17'$	$T = 33.56'$	$T = 12.47'$	$T = 31.65'$
$R = 98.50'$	$R = 98.50'$	$R = 17.96'$	$R = 1,032.00'$
<i>PI Sta 11+93.22</i>	<i>PI Sta 12+56.01</i>	<i>PI Sta 13+20.05</i>	
$\Delta = 3^{\circ} 28' 26.1''$ (LT)	$\Delta = 3^{\circ} 27' 46.6''$ (LT)	$\Delta = 0^{\circ} 41' 30.6''$ (LT)	
$D = 5^{\circ} 31' 36.7''$	$D = 5^{\circ} 31' 11.5''$	$D = 1^{\circ} 03' 31.1''$	
$L = 62.85'$	$L = 62.74'$	$L = 65.35'$	
$T = 31.44'$	$T = 31.38'$	$T = 32.68'$	
$R = 1,036.68'$	$R = 1,037.99'$	$R = 5,412.28'$	

FOR PLAN SEE SHTS. 5-6

GRAPHIC SCALE
20 10 0 20 40
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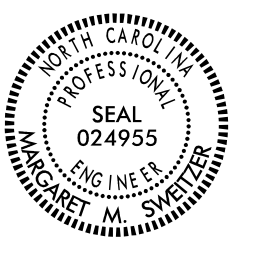
POINT NO.	-WALL02-STATION	PROPOSED FINISHED GRADE (TOP)	PROPOSED BOTTOM OF WALL ELEVATION	-DR1-STATION
1	09+71.86	331.86	331.86	11+30.00
2	10+00.00	332.07	314.94	11+25.00
3	10+14.07	333.03	314.72	11+00.00
4	10+49.25	333.77	314.51	10+75.00
5	10+64.68	334.01	314.43	10+64.03
POINT NO.	-WALL02-STATION	PROPOSED FINISHED GRADE (TOP)	PROPOSED BOTTOM OF WALL ELEVATION	-L-STATION
6	10+86.76	332.42	312.18	39+40.81
7	10+95.42	331.86	312.49	39+50.00
8	11+42.66	328.47	310.11	40+00.00
9	11+90.01	325.26	308.14	40+50.00
10	12+37.46	322.32	308.07	41+00.00
11	12+85.01	319.94	302.83	41+50.00
12	13+34.11	317.87	302.41	42+00.00
13	13+52.72	316.97	301.87	42+18.59
14	13+84.13	315.63	301.17	42+50.00
15	14+24.13	313.99	313.99	42+90.00

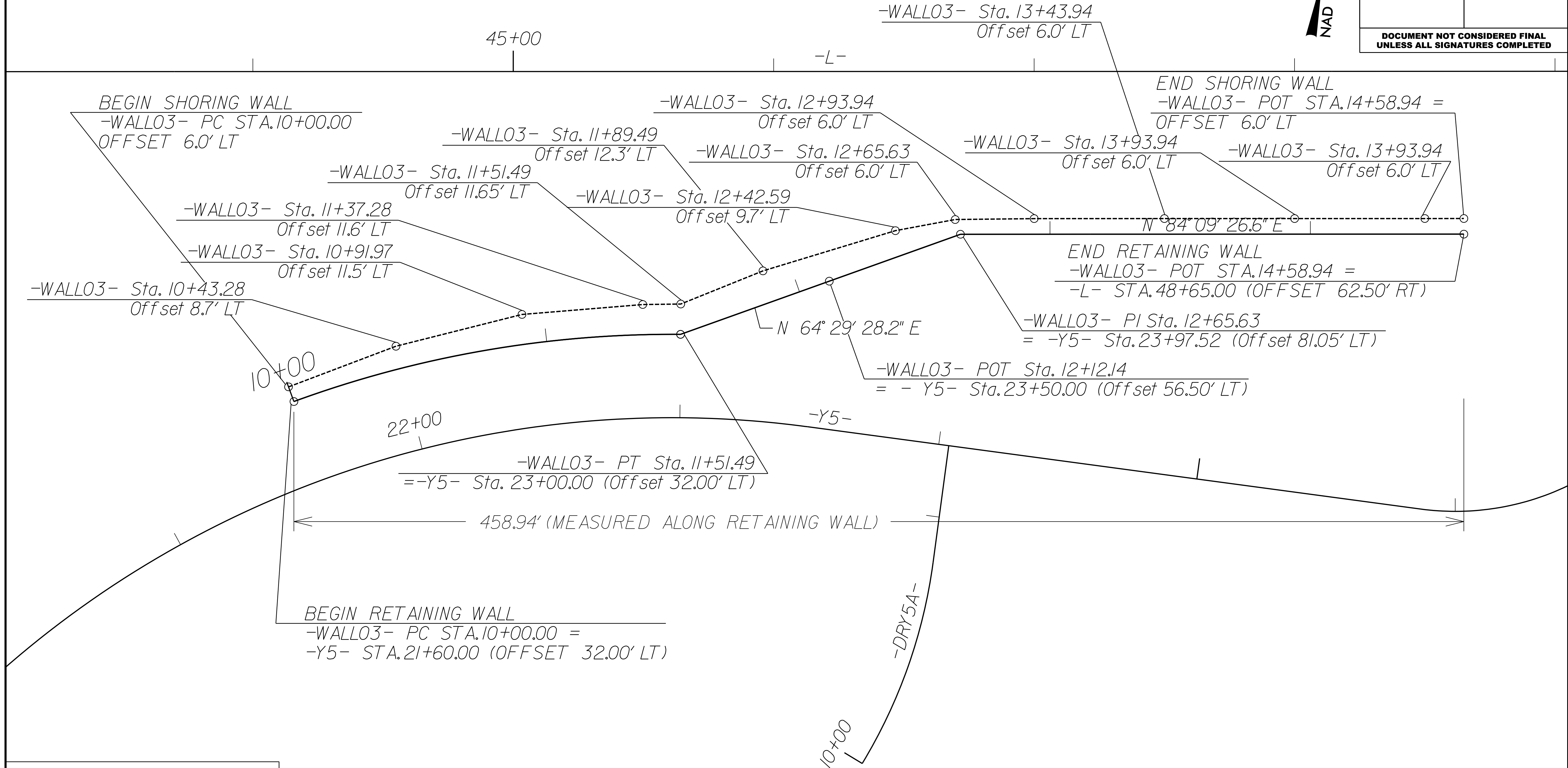
ESTIMATED QUANTITIES		
RETAINING WALL NO.	MSE RETAINING WALL (SQUARE FOOT)	ARCHITECTURAL CONCRETE SURFACE TREATMENT (SQUARE FOOT)
2	8,300	8,300

8/17/99
8/9/2026
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RETAINING WALL #3 DETAIL – LOCATION DETAIL

NAD 83/NSRS 2007

PROJECT REFERENCE NO.	SHEET NO.
P-5707	W-5
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	GEOTECHNICAL ENGINEER
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



-WALLO3-
PI Sta 10+76.57
$\Delta = 20^{\circ} 34' 03.8''$ (RT)
$D = 13^{\circ} 34' 37.9''$
$L = 151.49'$
$T = 76.57'$
$R = 422.00'$

FOR PLAN SEE SHT. 6

GRAPHIC SCALE

20 10 0 20 40

PLANS

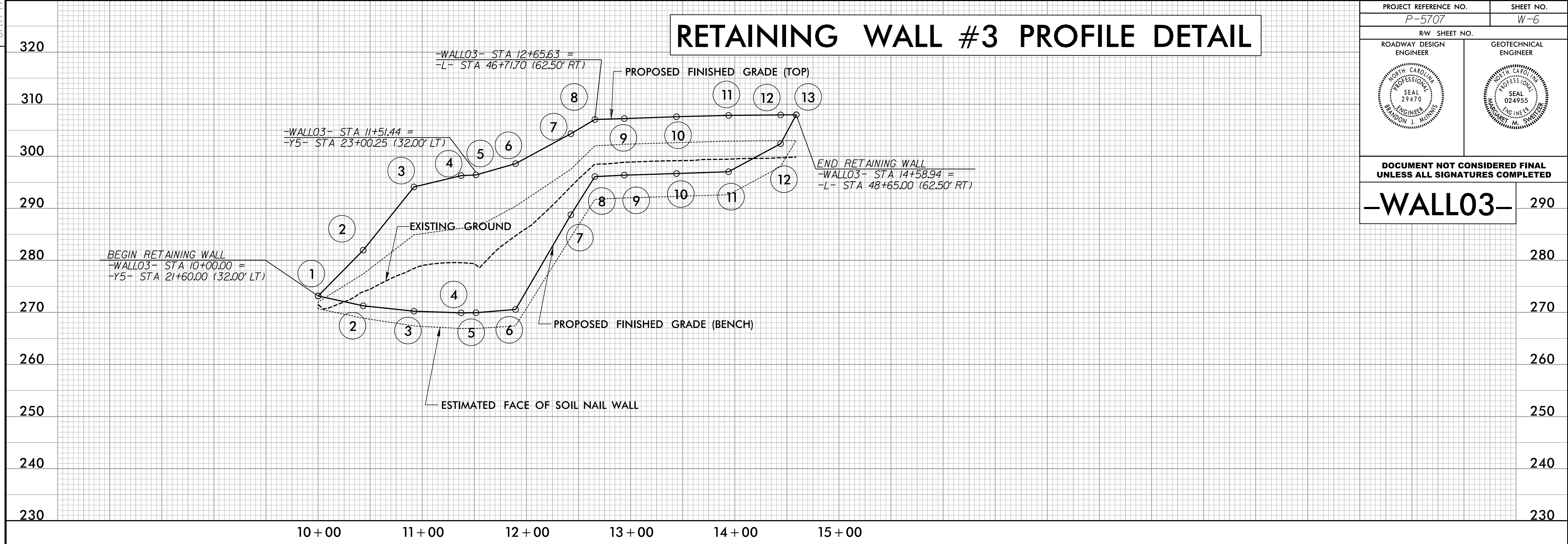


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RETAINING WALL #3 PROFILE DETAIL



PROJECT REFERENCE NO.
P-5707

SHEET NO.
W-6

RW SHEET NO.

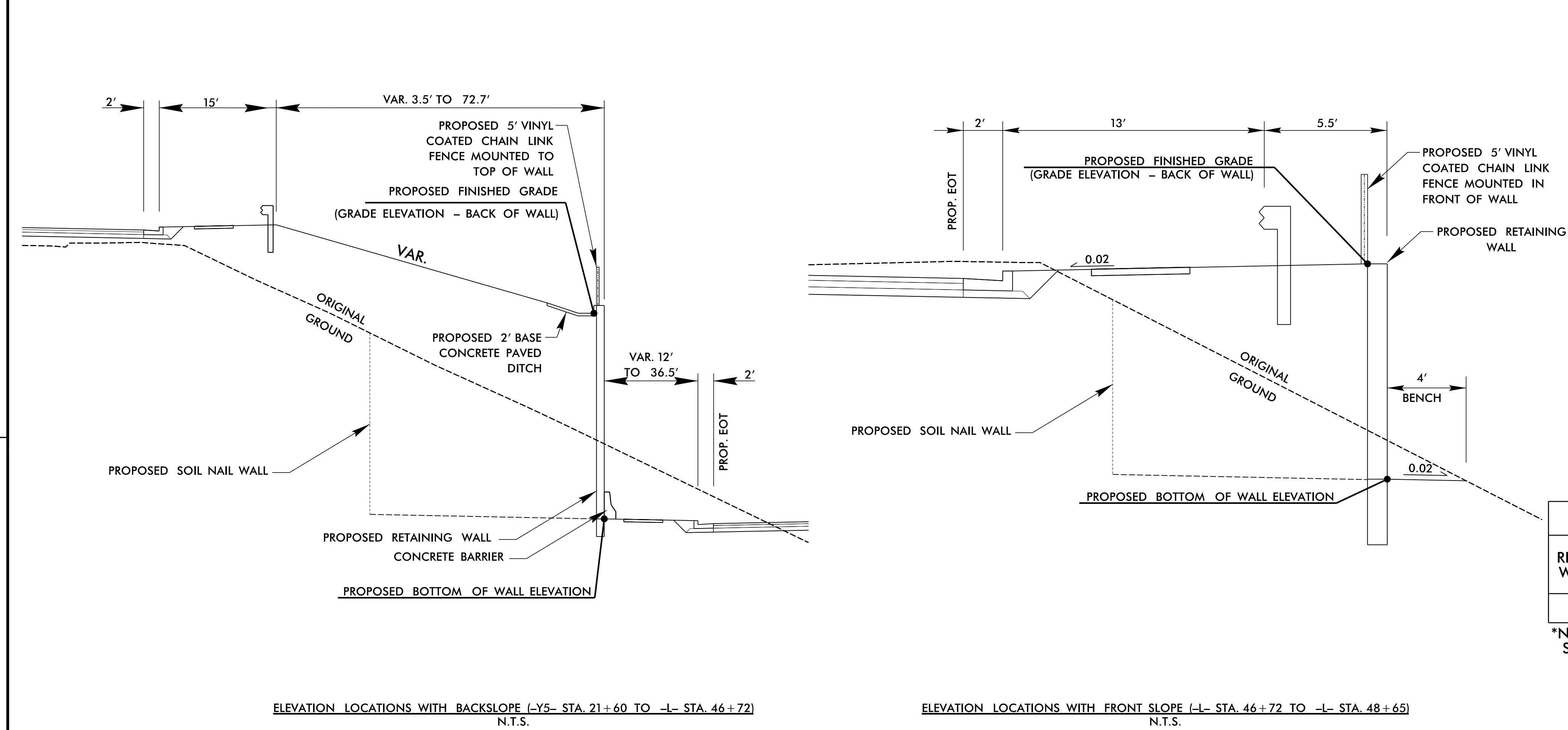
ROADWAY DESIGN ENGINEER

GEOTECHNICAL ENGINEER

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

-WALLO3-

290



MSE WALL FACE			
POINT NO.	-WALLO3- STATION	PROPOSED FINISHED GRADE (TOP)	PROPOSED BOTTOM OF WALL ELEVATION
1	10+00.00	272.75	272.75
2	10+43.28	281.55	270.86
3	10+91.97	293.69	269.82
4	11+37.28	295.86	269.50
5	11+51.49	296.00	269.53
6	11+89.49	298.17	270.16
7	12+42.59	303.91	288.35
8	12+65.63	306.65	295.68
9	12+93.94	306.82	295.95
10	13+43.94	307.18	296.26
11	13+93.94	307.43	296.61
12	14+43.94	307.53	302.00
13	14+58.94	307.55	307.55

SHORING WALL FACE			
POINT NO.	-WALLO3- STATION	PROPOSED FINISHED GRADE (TOP)	PROPOSED BOTTOM OF WALL ELEVATION
1	10+00.00	272.0	270.7
2	10+43.28	277.4	268.9
3	10+91.97	284.9	267.4
4	11+37.28	286.2	266.9
5	11+51.49	286.3	266.9
6	11+89.49	290.4	267.4
7	12+42.59	297.5	284.4
8	12+65.63	302.0	291.7
9	12+93.94	302.3	292.0
10	13+43.94	302.6	292.3
11	13+93.94	302.9	292.6
12	14+43.94	303.0	298.0
13	14+58.94	303.0	303.0

ESTIMATED QUANTITIES			
RETAINING WALL NO.	SMSE RETAINING WALL (SQUARE FOOT)	ARCHITECTURAL CONCRETE SURFACE TREATMENT (SQUARE FOOT)	SOIL NAIL WALL* (SQUARE FOOT)
3	8,800	8,800	5,800

*NO SEPARATE PAYMENT WILL BE MADE FOR SOIL NAIL WALL.

ELEVATION LOCATIONS WITH BACKSLOPE (-Y5- STA. 21+60 TO -L- STA. 46+72)
N.T.S.

ELEVATION LOCATIONS WITH FRONT SLOPE (-L- STA. 46+72 TO -L- STA. 48+65)
N.T.S.

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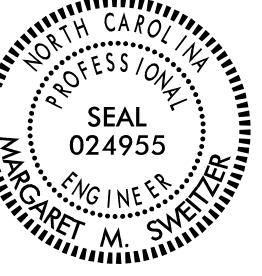
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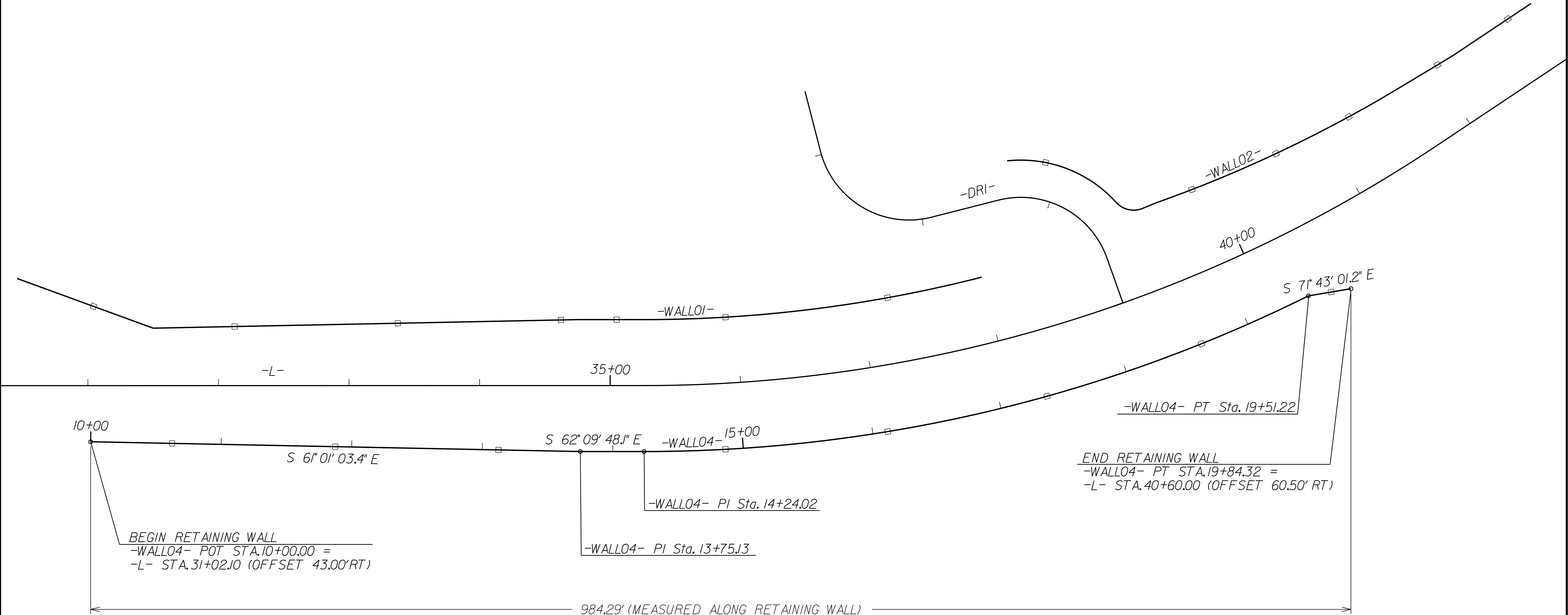
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4/10/2026
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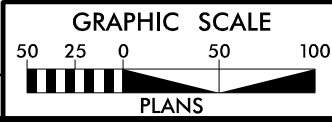
RETAINING WALL #4 DETAIL – LOCATION DETAIL

MAD 83/RS 2007

PROJECT REFERENCE NO.	SHEET NO.
P-5707	W-7
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	GEOTECHNICAL ENGINEER
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



-WALLO4-
PI Sta. 16+92.13
$\Delta = 26^\circ 22' 10.3''$ (LT)
$D = 5^\circ 00' 22.3''$
$L = 526.74'$
$T = 268.12'$
$R = 1,144.50'$



FOR PLAN SEE SHTS. 5 & 6



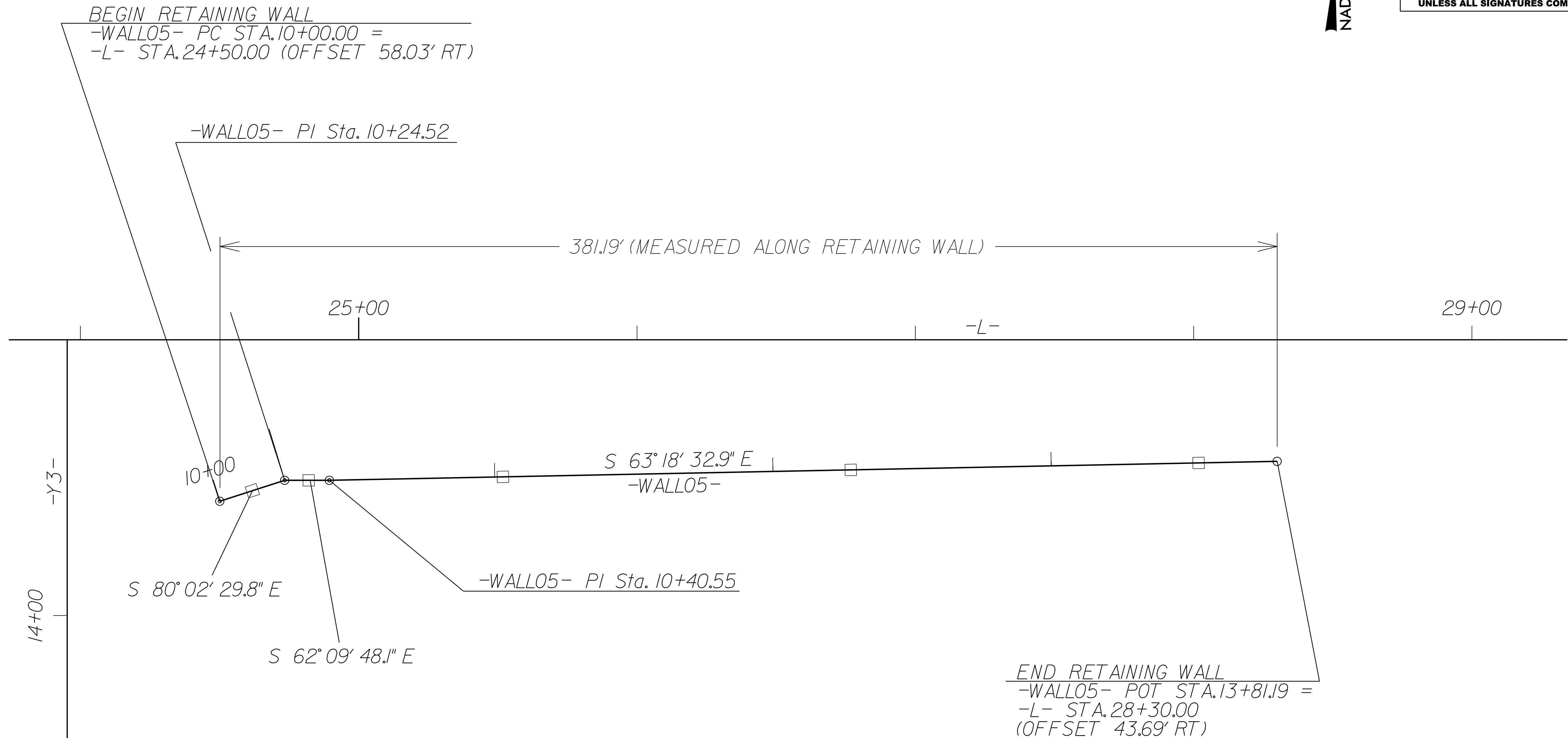
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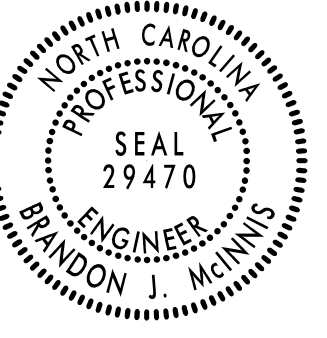
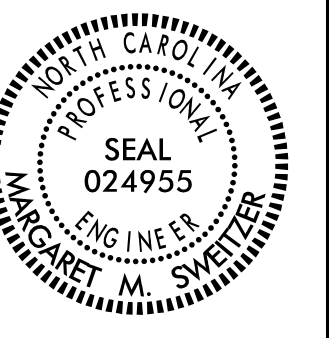
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8/17/99
4/10/2026
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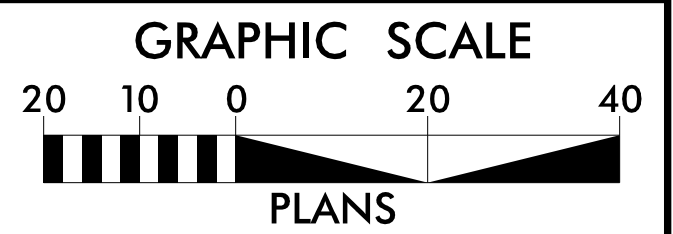
RETAINING WALL #5 DETAIL – LOCATION DETAIL

NAD 83/NSRS 2007



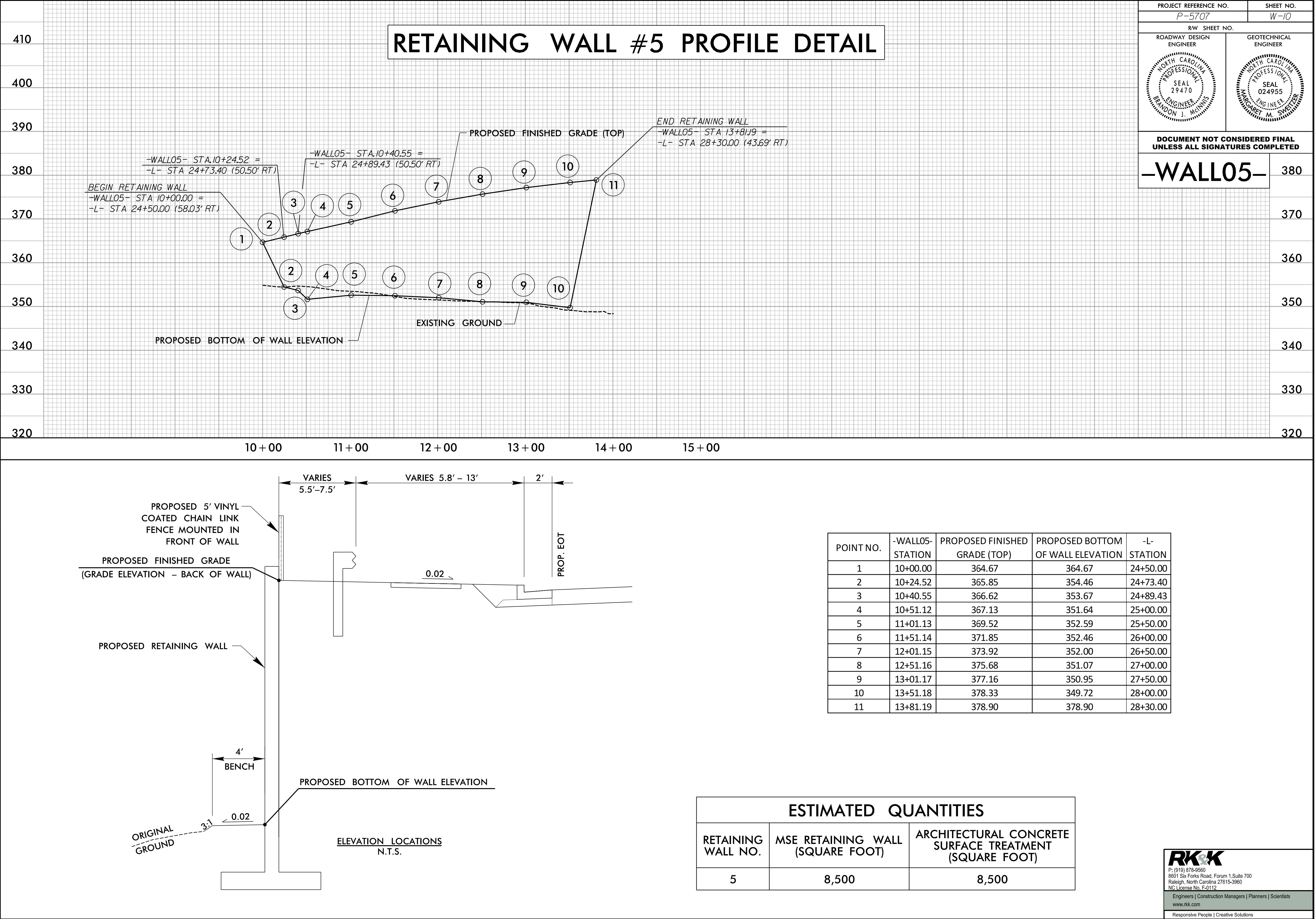
PROJECT REFERENCE NO.	SHEET NO.
P-5707	W-9
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	GEOTECHNICAL ENGINEER
	
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FOR PLAN SEE SHTS. 5-6



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5/26/2026
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REVISION



PROJECT REFERENCE NO.
P-5707

SHEET NO.
W-11

GEOTECHNICAL ENGINEER

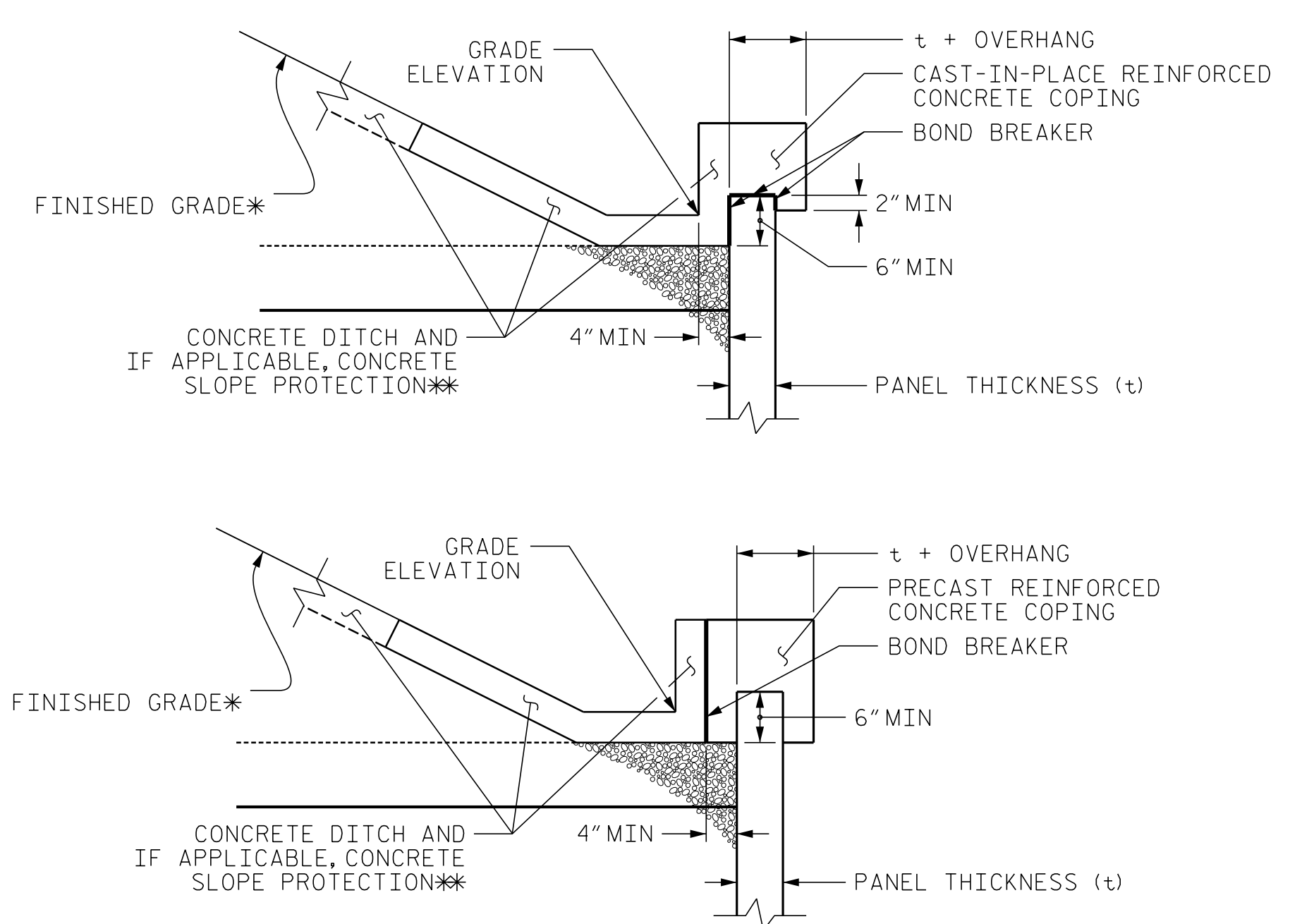
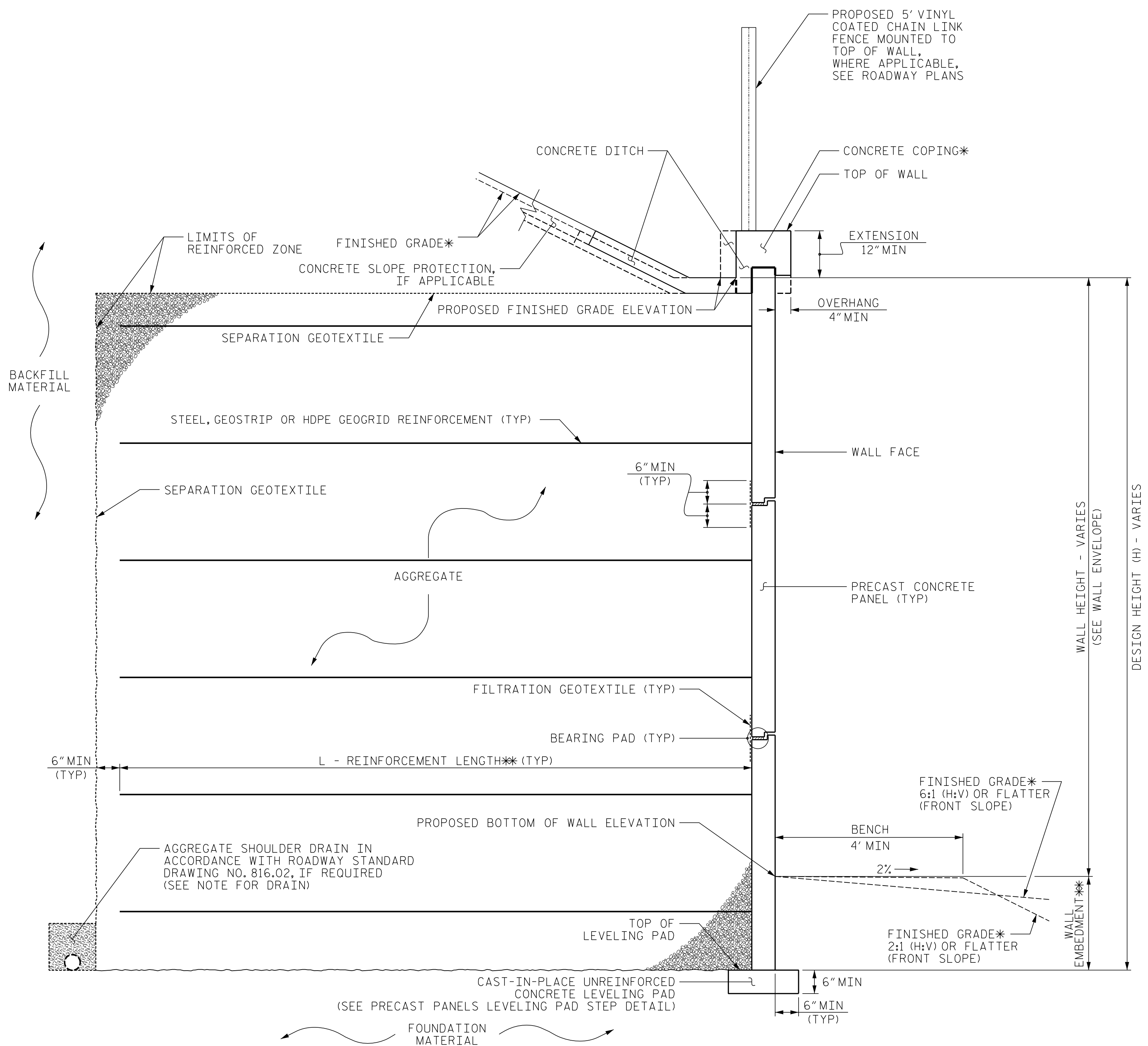
ENGINEER

SEAL
024955
M. SWEITZER

SIGNATURE
DATE

SIGNATURE
DATE

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UNLESS ALL SIGNATURES COMPLETED



COPING DETAILS

*SEE PLANS FOR FINISHED GRADE DETAILS.
**SEE CONCRETE DITCH BEHIND WALL DETAILS.

MSE WALL WITH PRECAST PANELS - TYPICAL SECTION
(WALL NO. 1 -L- STA. 30+46 TO -L- STA. 31+00
AND NO. 4 -L- STA. 40+30 TO -L- STA. 40+60)

*SEE COPING DETAILS AND PLANS FOR FINISHED GRADE DETAILS.
**SEE MSE RETAINING WALLS PROVISION AND IF APPLICABLE, MSE WALL NOTES FOR EMBEDMENT AND REINFORCEMENT LENGTH REQUIREMENTS.

PREPARED BY: M. LISI	DATE: 2/20/26
REVIEWED BY: M. SWEITZER	DATE: 2/20/26

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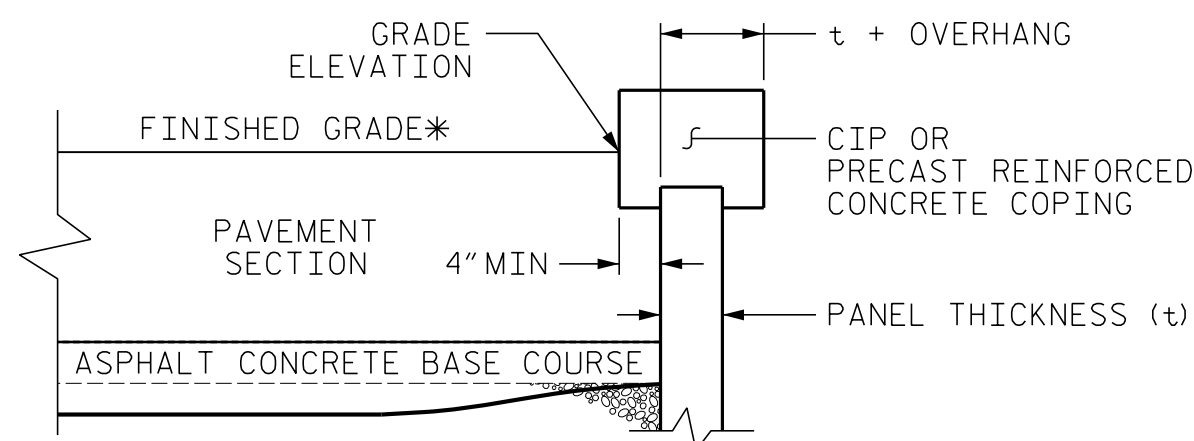
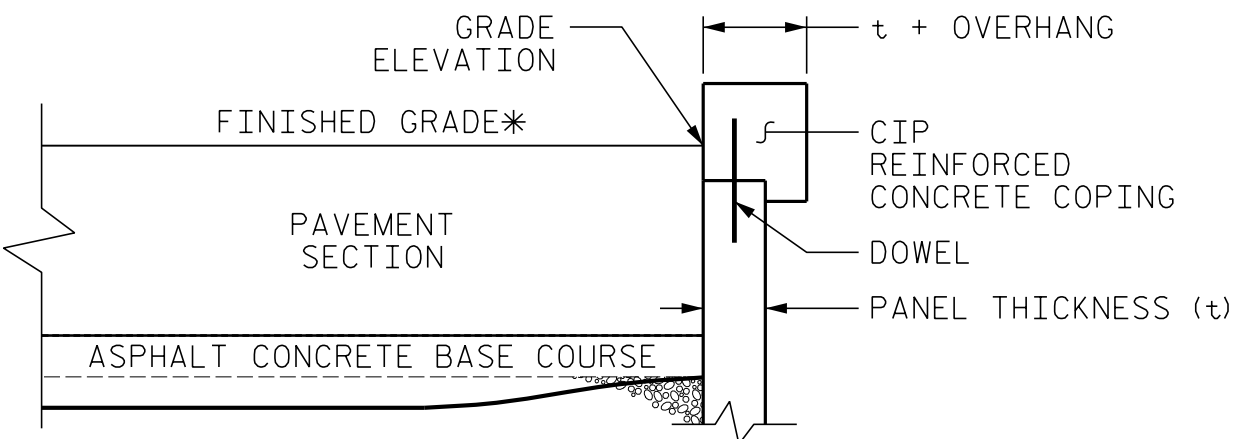
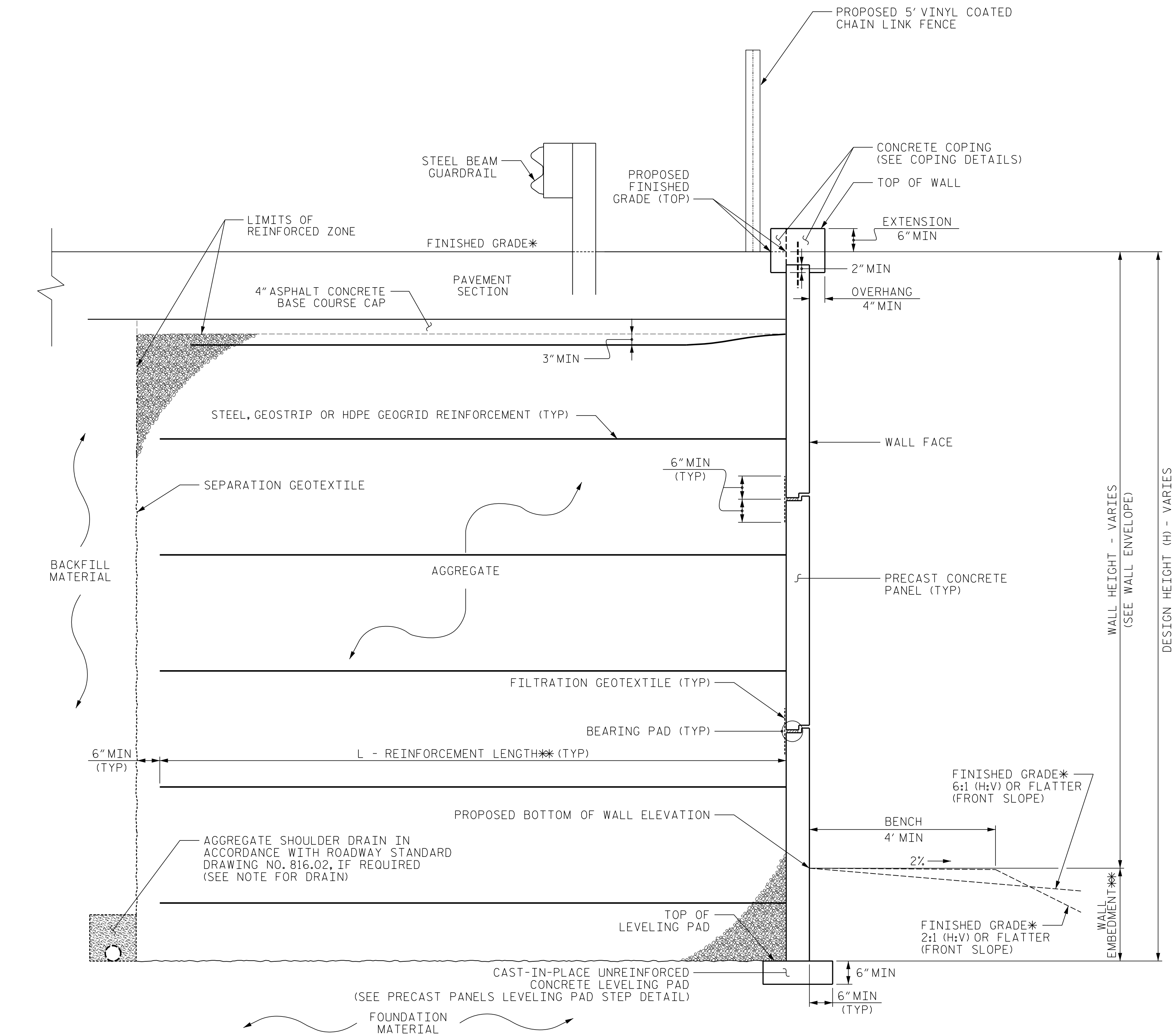
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STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

**NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS**

**GEOTECHNICAL
ENGINEERING UNIT**

MSE RETAINING WALLS NO. 1 AND NO. 4 DETAILS					
REVISIONS					
NO.	BY	DATE	NO.	BY	DATE
1			3		
2			4		



COPING DETAILS

AT THE CONTRACTOR'S OPTION, CONNECT COPING TO PANELS WITH DOWELS OR EXTEND COPING DOWN BACK OF PANELS.
**SEE ROADWAY PLANS FOR FINISHED GRADE DETAILS.

MSE WALL WITH PRECAST PANELS - TYPICAL SECTION
(NO. 1 -L- STA. 31+00 TO -L- STA. 38+00, NO. 2 -DR1- STA 11+30 TO -L- STA 42+90,
NO. 4 -L- STA. 31+02 TO -L- STA. 40+30, NO. 5 -L- STA. 24+50 TO -L- STA. 28+30)

**SEE ROADWAY PLANS FOR FINISHED GRADE DETAILS.
**SEE MSE RETAINING WALLS PROVISION AND IF APPLICABLE, MSE WALL NOTES FOR EMBEDMENT AND REINFORCEMENT LENGTH REQUIREMENTS.

PREPARED BY: M. LISI	DATE: 2/20/26
REVIEWED BY: M. SWEITZER	DATE: 2/20/26

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DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

GEOTECHNICAL
ENGINEERING UNIT

MSE RETAINING WALLS
NO. 1, NO. 2, NO. 4, AND NO. 5
DETAILS

REVISIONS					
NO.	BY	DATE	NO.	BY	DATE
1			3		
2			4		

MSE WALL NOTES:

1. FOR MECHANICALLY STABILIZED EARTH (MSE) RETAINING WALLS, SEE MECHANICALLY STABILIZED EARTH RETAINING WALLS PROVISION.
2. FOR STEEL BEAM GUARDRAIL, SEE ROADWAY PLANS AND SECTION 862 OF THE STANDARD SPECIFICATIONS.
3. AT THE CONTRACTOR'S OPTION, USE FINE AGGREGATE IN THE REINFORCED ZONE OF RETAINING WALLS NO. 2 AND NO. 5.
4. A SEPARATION GEOTEXTILE IS REQUIRED AT THE BACK OF THE REINFORCED ZONE FOR RETAINING WALLS NO. 1, NO. 2, NO. 4, AND NO. 5.
5. IF COARSE AGGREGATE IS USED IN THE REINFORCED ZONE, INSTALL GEOTEXTILE FOR SEPARATION AT THE TOP OF THE REINFORCED ZONE AND ANCHOR DOWN AT LEAST 2-FEET BETWEEN COARSE AGGREGATE IN THE MSE REINFORCED ZONE AND RETAINED ROADWAY EMBANKMENT SOIL.
6. GEOTEXTILE SHALL MEET THE REQUIREMENTS OF STANDARD SPECIFICATION SECTION 1056, TYPE 2.
7. A DRAIN IS REQUIRED FOR RETAINING WALLS NO. 1, NO. 2, NO. 4, AND NO. 5.
8. DESIGN RETAINING WALLS NO. 1, NO. 2, NO. 4, AND NO. 5 FOR THE FOLLOWING:

1) DESIGN HEIGHT (H) = WALL HEIGHT + WALL EMBEDMENT

2) FOR WALL NO. 1, NO. 2, NO. 4, AND NO. 5, MINIMUM DESIGN LIFE = 100 YEARS.

3) MAXIMUM FACTORED VERTICAL PRESSURE ON FOUNDATION MATERIAL SHALL BE AS SHOWN BELOW.

4) MINIMUM REINFORCEMENT LENGTH (L) SHALL BE AS SHOWN BELOW OR 6 FT, WHICHEVER IS LONGER.

WALL NO.	POINTS	REINFORCEMENT LENGTH RATIO	MAXIMUM PRESSURE ON FOUNDATION MATERIAL (KSF)	FACTORED VERTICAL
1	1 TO 3	1.0H		7.2
1	3 TO 6	0.7H		9.2
1	6 TO 9	1.0H		7.6
1	9 TO 16	0.7H		9.2
1	16 TO 18	0.7H		3.2
2	1 TO 12	0.7H		5.7
2	12 TO 15	0.8H		4.3
4	1 TO 6	0.8H		7.8
4	6 TO 18	0.8H		7.1
4	18 TO 21	0.9H		4.6
4	21 TO 23	1.2H		5.3
5	1 TO 11	0.9H		6.7

5) REINFORCED ZONE AGGREGATE PARAMETERS:

AGGREGATE TYPE*	UNIT WEIGHT (γ) LB/CF	FRICTION ANGLE (φ) DEGREES	COHESION (c) LBSF
COARSE	110	38	0
FINE	115	34	0

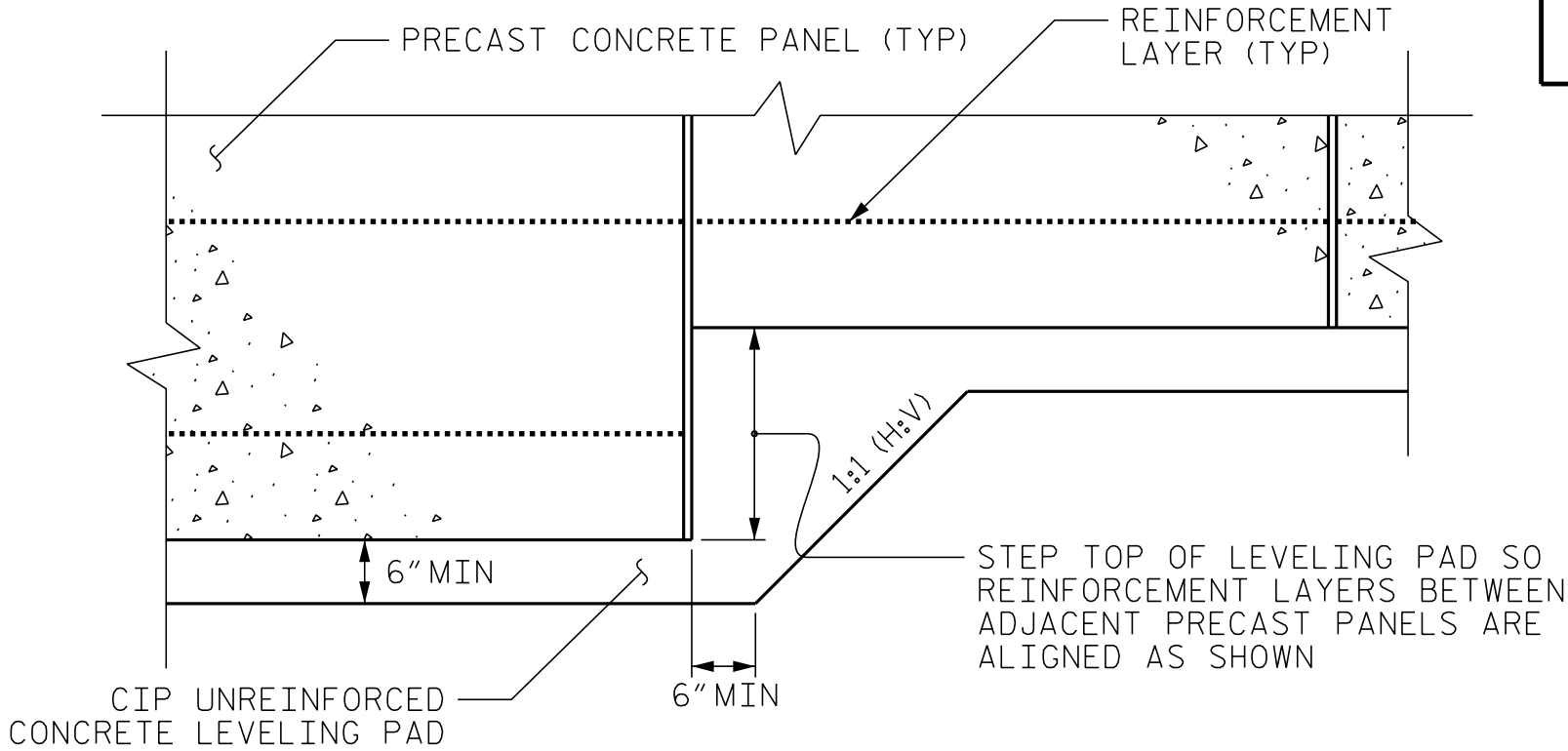
*SEE MSE RETAINING WALLS PROVISION FOR COARSE AND FINE AGGREGATE MATERIAL REQUIREMENTS.

6) IN-SITU ASSUMED MATERIAL PROPERTIES:

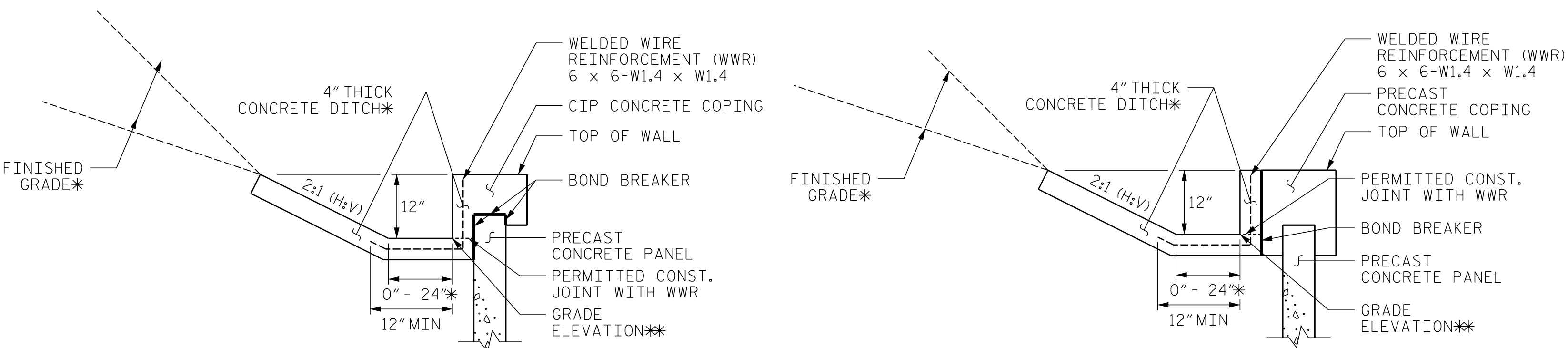
MATERIAL TYPE	POINTS	UNIT WEIGHT (γ) LB/CF	FRICTION ANGLE (φ) DEGREES	COHESION (c) LBSF
RETAINED		120	30	0
FOUNDATION AT MSE WALL NO. 1	1 TO 3	115	25	0
FOUNDATION AT MSE WALL NO. 1	3 TO 16	115	28	0
FOUNDATION AT MSE WALL NO. 1	16 TO 18	120	30	0
FOUNDATION AT MSE WALL NO. 2	1 TO 15	120	28	0
FOUNDATION AT MSE WALL NO. 4	1 TO 6	115	26	0
FOUNDATION AT MSE WALL NO. 4	6 TO 18	115	25	0
FOUNDATION AT MSE WALL NO. 4	18 TO 21	115	26	0
FOUNDATION AT MSE WALL NO. 4	21 TO 23	115	29	0
FOUNDATION AT MSE WALL NO. 5	1 TO 11	115	25	0

9. DESIGN RETAINING WALLS NO. 1, NO. 2, NO. 4, AND NO. 5 FOR A LIVE LOAD (TRAFFIC) SURCHARGE.
10. AT RETAINING WALL NO. 4, UNDERCUT IS REQUIRED AS SHOWN ON THE ROADWAY PLANS AND SHOULD BE PERFORMED BEFORE CONSTRUCTION OF THE RETAINING WALL.
11. BEFORE BEGINNING MSE WALL DESIGN FOR RETAINING WALLS NO. 1, NO. 2, NO. 4, AND NO. 5, SURVEY WALL LOCATION AND SUBMIT A REVISED WALL PROFILE VIEW (WALL ENVELOPE) FOR REVIEW. DO NOT START WALL DESIGN OR CONSTRUCTION UNTIL THE REVISED WALL ENVELOPE IS ACCEPTED.
12. DO NOT PLACE LEVELING PAD CONCRETE, AGGREGATE OR REINFORCEMENT FOR RETAINING WALLS NO. 1, NO. 2, NO. 4, AND NO. 5 UNTIL EXCAVATION DIMENSIONS AND FOUNDATION MATERIALS ARE APPROVED BY THE GEOTECHNICAL ENGINEER.
13. FOUNDATIONS FOR SIGNS OR LIGHTING MAY BE LOCATED BEHIND RETAINING WALLS NO. 1, NO. 2, NO. 4, AND NO. 5, AND MAY INTERFERE WITH REINFORCEMENT. SEE ROADWAY PLANS FOR DETAILS. BEFORE BEGINNING MSE WALL CONSTRUCTION, SUBMIT PROPOSED CONSTRUCTION METHODS FOR THESE FOUNDATIONS FOR APPROVAL.
14. PROPOSED GUARDRAIL AND FENCE WILL INTERFERE WITH REINFORCEMENT FOR RETAINING WALL NO. 1, NO. 2,, NO. 4, AND NO. 5
15. PROPOSED 5 FT VINYL COATED CHAIN LINK FENCE IS REQUIRED AT RETAINING WALLS NO. 1, NO. 2, NO. 4, AND NO. 5. IT WILL BE MOUNTED TO TOP OF RETAINING WALLS NO. 1 AND NO. 4, WHERE APPLICABLE, SEE ROADWAY PLANS. WALL CONTRACTOR SHALL SUBMIT THE DESIGN AND DETAILS OF CHAIN LINK FENCE TO ENGINEER FOR APPROVAL
16. EXISTING OR FUTURE OBSTRUCTIONS, SUCH AS GUARDRAIL, FENCE OR HANDRAIL POSTS, PAVEMENTS, PIPES, INLETS, OR UTILITIES MAY INTERFERE WITH REINFORCEMENT FOR RETAINING WALLS NO. 1, NO. 2, NO. 4, AND NO. 5.
17. TEMPORARY SHORING MAY BE REQUIRED FOR RETAINING WALLS NO. 1, NO. 2, NO. 4, AND NO. 5 IN ACCORDANCE WITH THE TEMPORARY SHORING PROVISION.
18. AN ASHLAR STONE ARCHITECTURAL FINISH IS REQUIRED FOR PRECAST CONCRETE PANELS FOR RETAINING WALLS NO. 1, NO. 2, NO. 4, AND NO. 5. SEE ARCHITECTURAL CONCRETE SURFACE TREATMENT SPECIAL PROVISION.
19. COORDINATION WITH THE TOWN OF WAKE FOREST IS REQUIRED FOR THE ACCEPTANCE OF SAMPLE PANELS.
20. DESIGN RETAINING WALL NO. 4 FOR TEMPORARY WALL BETWEEN -L- STA. 31+02 AND -L- STA. 32+00.
21. DESIGN RETAINING WALL NO. 1 FOR ESTIMATED TOTAL SETTLEMENT OF 4.9 INCHES AND DIFFERENTIAL SETTLEMENT OF 2.5 INCHES OVER 100 FEET.
22. DESIGN RETAINING WALLS NO. 4 AND NO. 5 FOR ESTIMATED TOTAL SETTLEMENT OF 4.0 INCHES, DIFFERENTIAL SETTLEMENT OF RETAINING WALL NO. 5 IS ANTICIPATED TO BE UP TO 1.5 INCHES OVER 100 FEET.

PREPARED BY: M. LISI	DATE: 2/20/26
REVIEWED BY: M. SWEITZER	DATE: 2/20/26



PRECAST PANELS
LEVELING PAD STEP DETAIL



MSE WALL WITH PRECAST PANELS

CONCRETE DITCH BEHIND
WALL WITH CONCRETE COPING

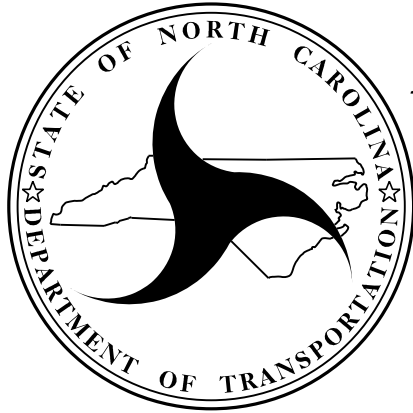
*SEE ROADWAY PLANS FOR CONCRETE DITCH AND FINISHED GRADE DETAILS.
*SEE WALL ENVELOPE FOR GRADE ELEVATIONS.

FOR CONCRETE DITCHES, SEE SECTION 850
OF THE STANDARD SPECIFICATIONS.

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P: (919) 878-9560
8601 Six Forks Road, Forum 1, Suite 700
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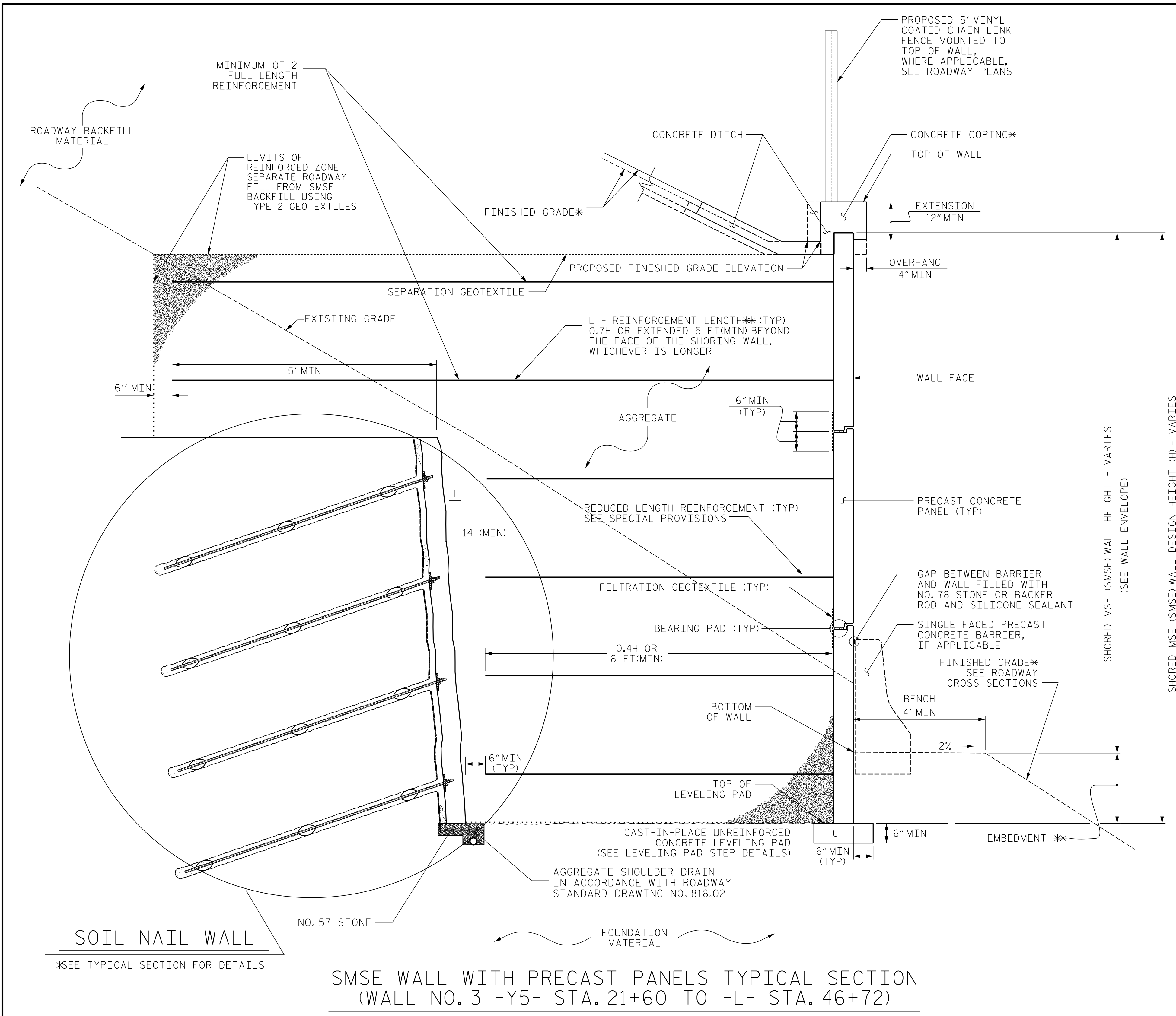
**NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS**

**GEOTECHNICAL
ENGINEERING UNIT**

PROJECT REFERENCE NO.	SHEET NO.
P-5707	W-13
GEOTECHNICAL ENGINEER	ENGINEER
	
SIGNATURE _____ DATE _____	SIGNATURE _____ DATE _____
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

MSE RETAINING WALL NOTES
LEVELING PAD DETAILS
CONCRETE DITCH DETAILS

REVISIONS					
NO.	BY	DATE	NO.	BY	DATE
1			3		
2			4		



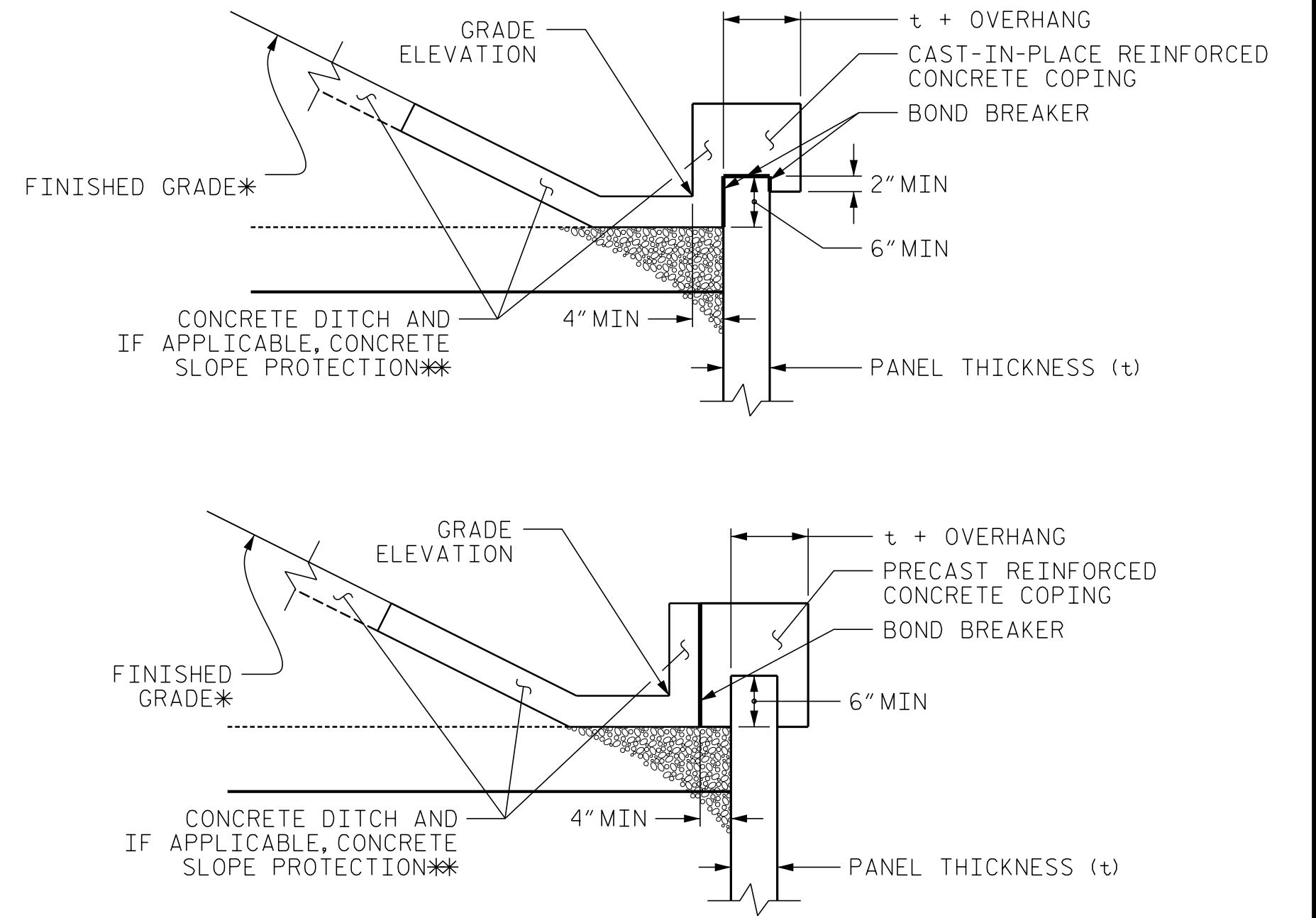
SOIL NAIL WALL

*SEE TYPICAL SECTION FOR DETAILS

SMSE WALL WITH PRECAST PANELS TYPICAL SECTION
(WALL NO. 3 -Y5- STA. 21+60 TO -L- STA. 46+72)

*SEE ROADWAY PLANS FOR FINISHED GRADE DETAILS.
**SEE SMSE RETAINING WALLS PROVISION FOR EMBEDMENT REQUIREMENTS.

PROJECT REFERENCE NO. P-5707		SHEET NO. W-14	
GEOTECHNICAL ENGINEER		ENGINEER	
SIGNATURE	DATE	SIGNATURE	DATE
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			



COPING DETAILS

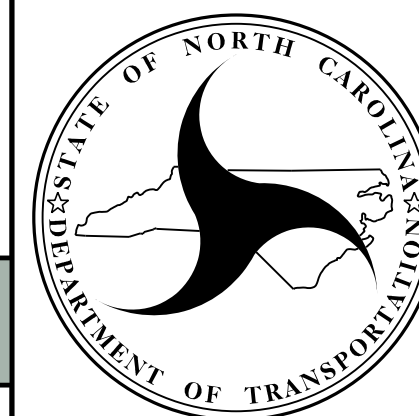
*SEE PLANS FOR FINISHED GRADE DETAILS.
**SEE CONCRETE DITCH BEHIND WALL DETAILS.

PREPARED BY: M. LISI	DATE: 4/10/26
REVIEWED BY: M. SWEITZER	DATE: 4/10/26

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8601 Six Forks Road, Forum 1, Suite 700
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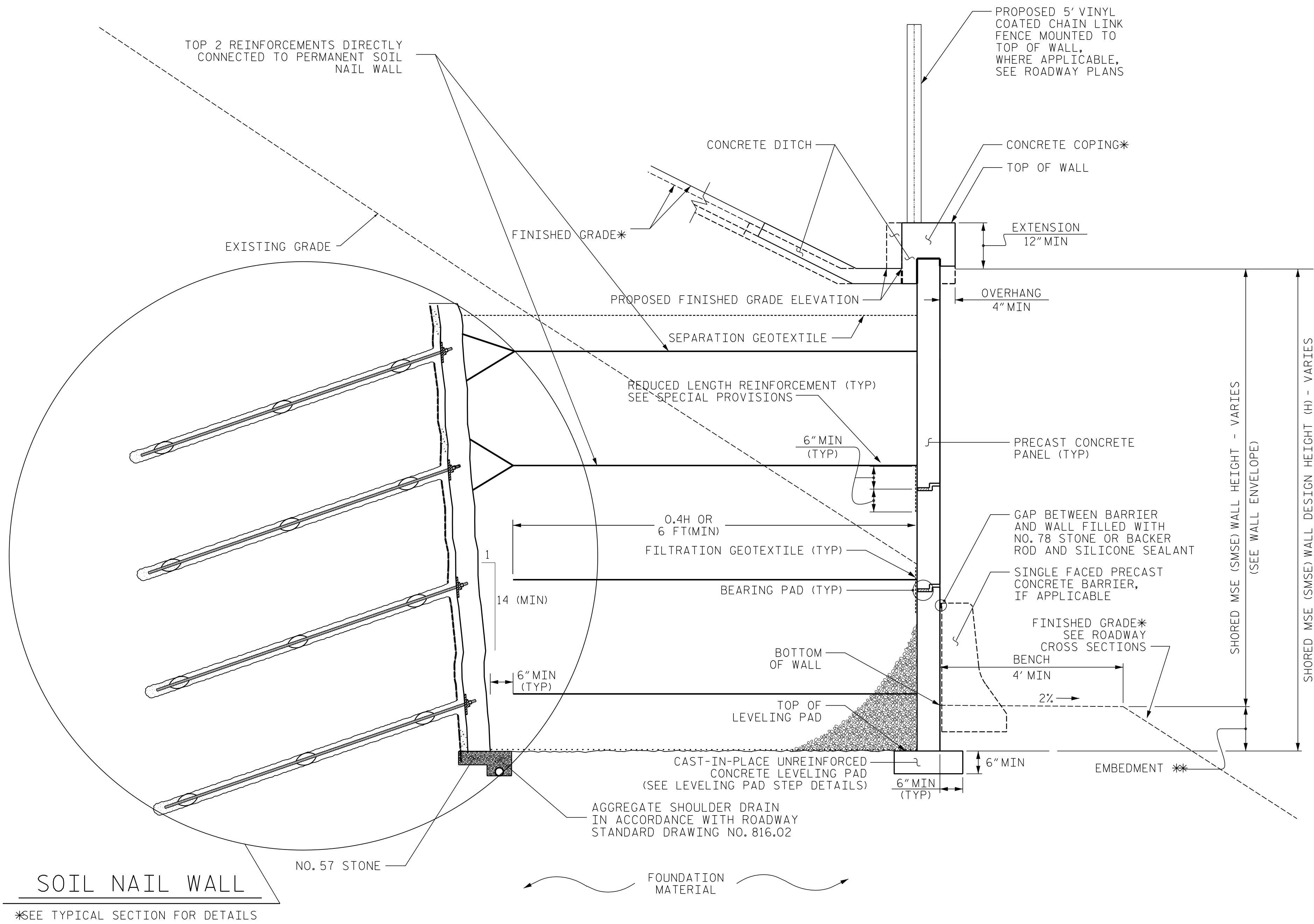


NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

GEOTECHNICAL
ENGINEERING UNIT

SHORED MSE RETAINING
WALL NO. 3
DETAILS

REVISIONS					
NO.	BY	DATE	NO.	BY	DATE
1			3		
2			4		



SMSE WALL WITH PRECAST PANELS TYPICAL SECTION (OPTIONAL)
(WALL NO. 3 -Y5- STA. 21+60 TO -L- STA. 46+72)

*SEE ROADWAY PLANS FOR FINISHED GRADE DETAILS.
**SEE SMSE RETAINING WALLS PROVISION FOR EMBEDMENT REQUIREMENTS.

GEOTECHNICAL
ENGINEER

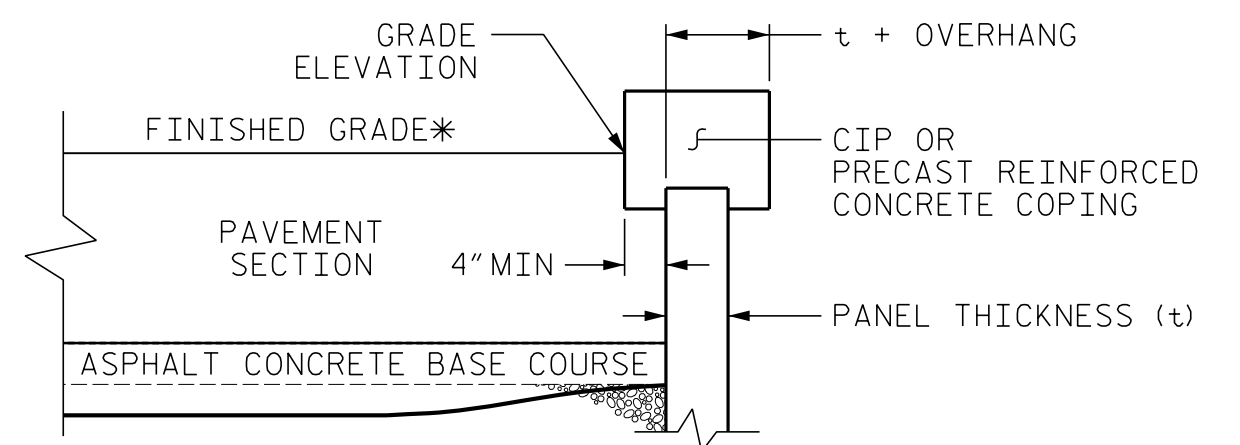
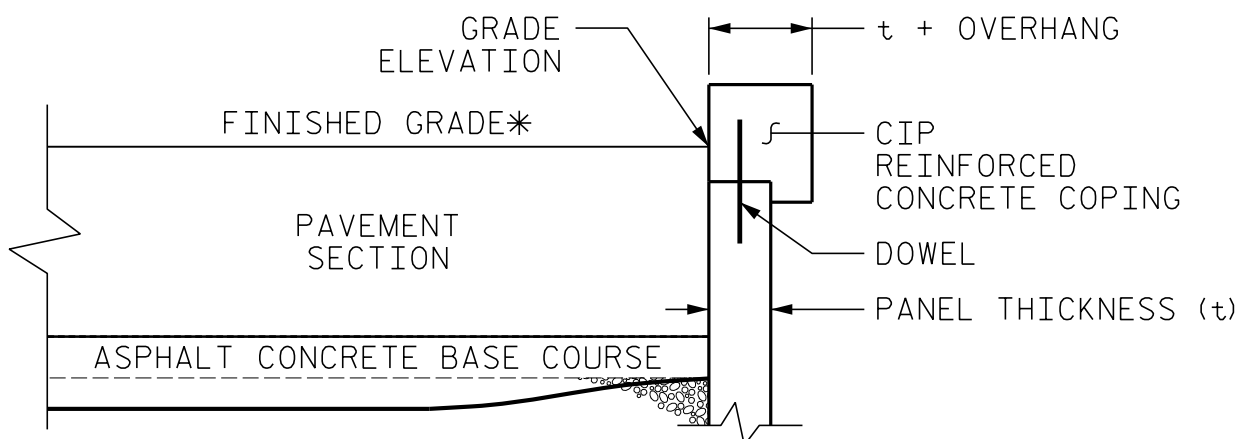
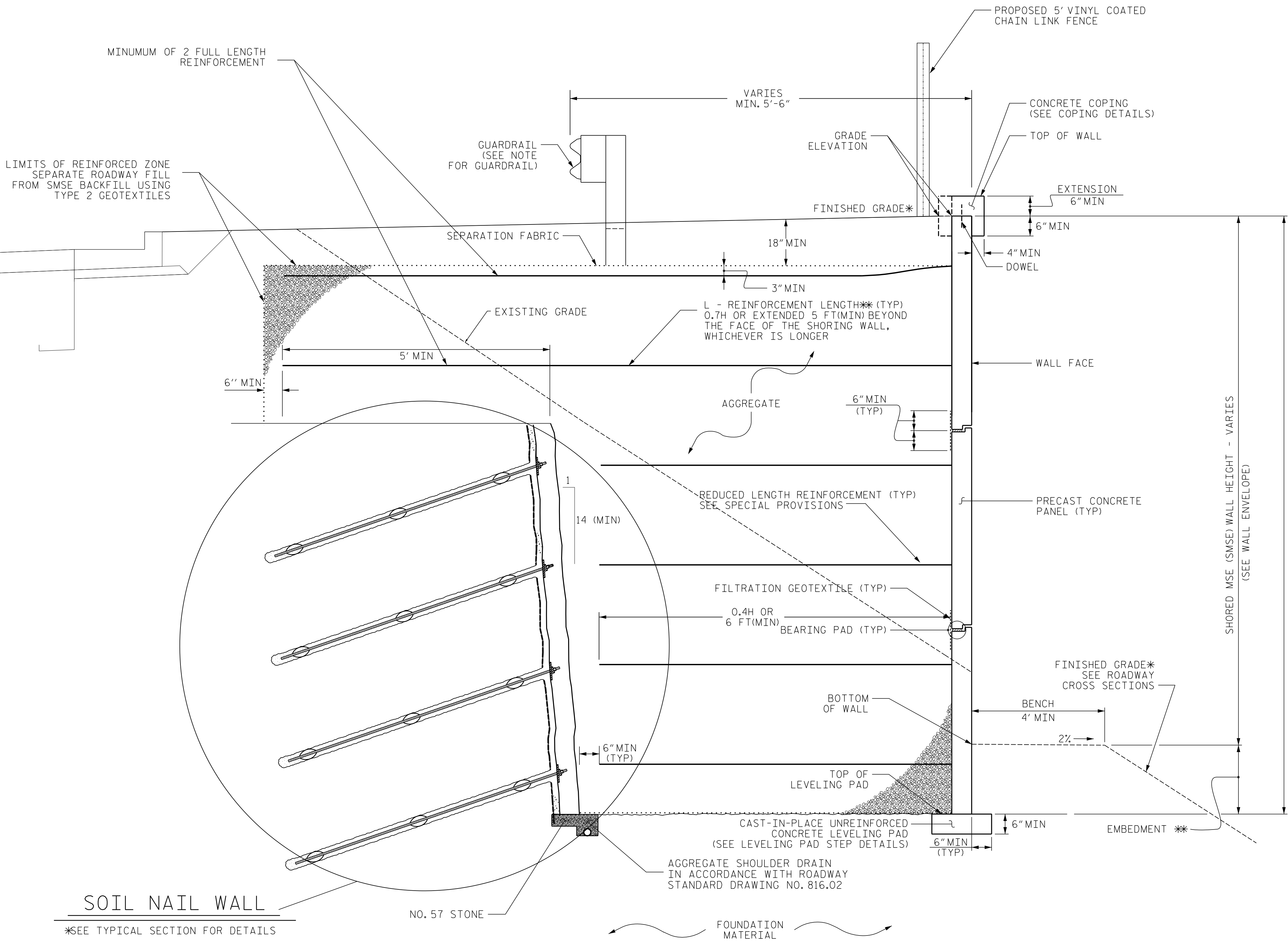


ENGINEER

SIGNATURE DATE

SIGNATURE DATE

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



COPING DETAILS

AT THE CONTRACTOR'S OPTION, CONNECT COPING TO PANELS
WITH DOWELS OR EXTEND COPING DOWN BACK OF PANELS.
*SEE ROADWAY PLANS FOR FINISHED GRADE DETAILS.

SMSE WALL WITH PRECAST PANELS TYPICAL SECTION (WALL NO. 3 -L- STA. 46+72 TO -L- STA. 48+65)

*SEE ROADWAY PLANS FOR FINISHED GRADE DETAILS.
**SEE SMSE RETAINING WALLS PROVISION FOR EMBEDMENT REQUIREMENTS.

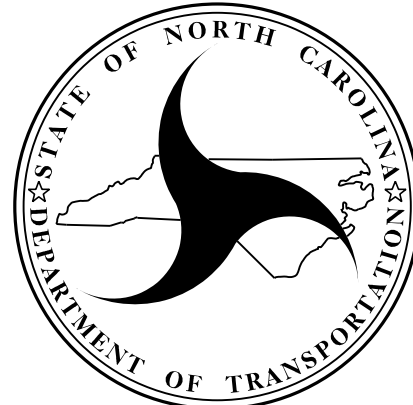
PREPARED BY: M. LISI	DATE: 4/10/26
REVIEWED BY: M. SWEITZER	DATE: 4/10/26



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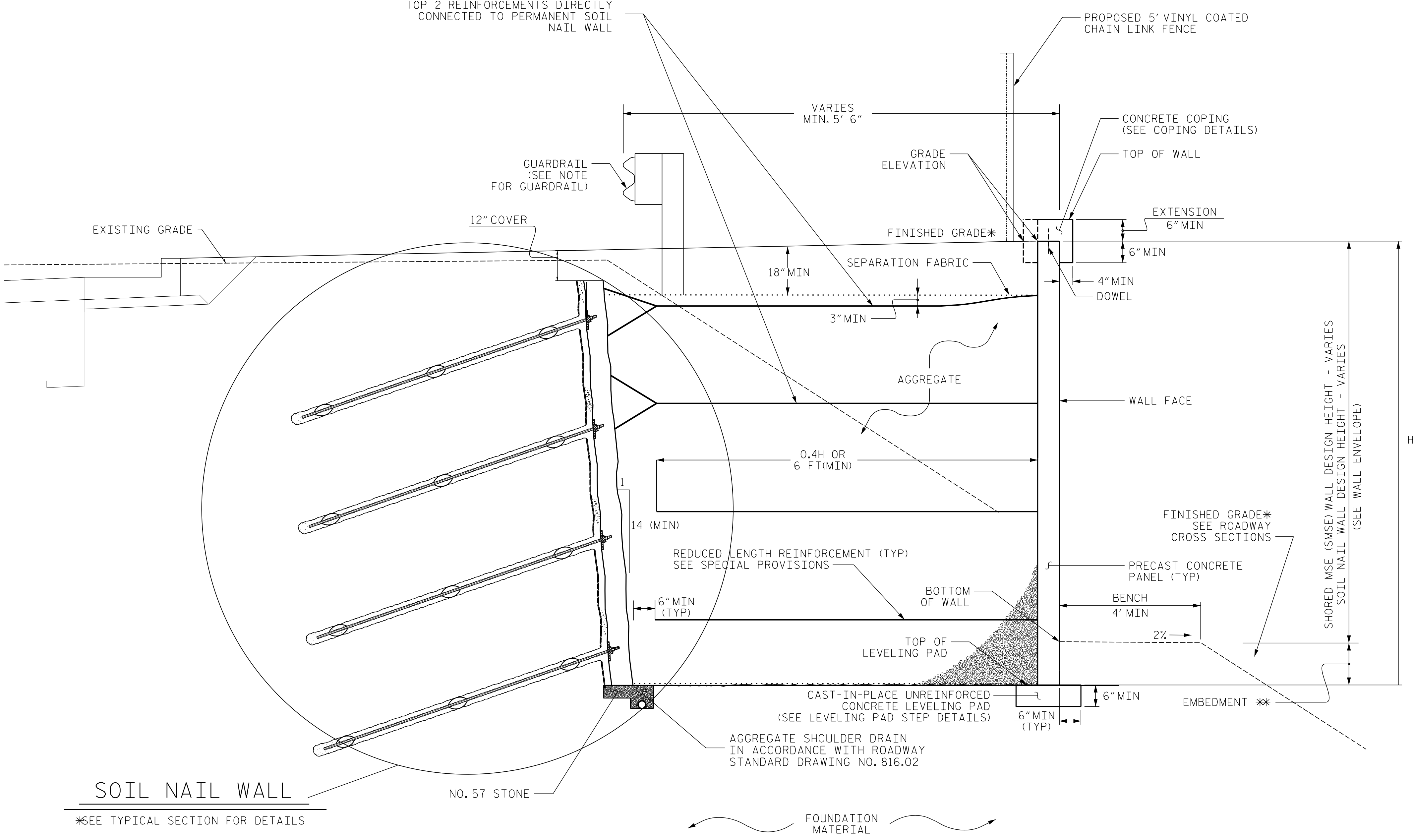


NORTH CAROLINA
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GEOTECHNICAL
ENGINEERING UNIT

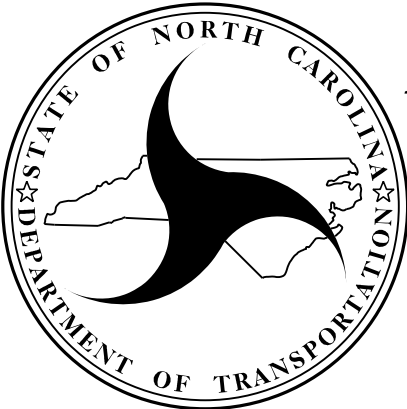
SHORED MSE RETAINING WALL NO. 3 DETAILS

REVISIONS					
NO.	BY	DATE	NO.	BY	DATE
1			3		
2			4		



SMSE WALL WITH PRECAST PANELS TYPICAL SECTION (OPTIONAL)
(WALL NO. 3 -L- STA. 46+72 TO -L- STA. 48+65)

*SEE ROADWAY PLANS FOR FINISHED GRADE DETAILS.
**SEE SMSE RETAINING WALLS PROVISION FOR EMBEDMENT REQUIREMENTS.



REVISIONS					
NO.	BY	DATE	NO.	BY	DATE
1			3		
2			4		

