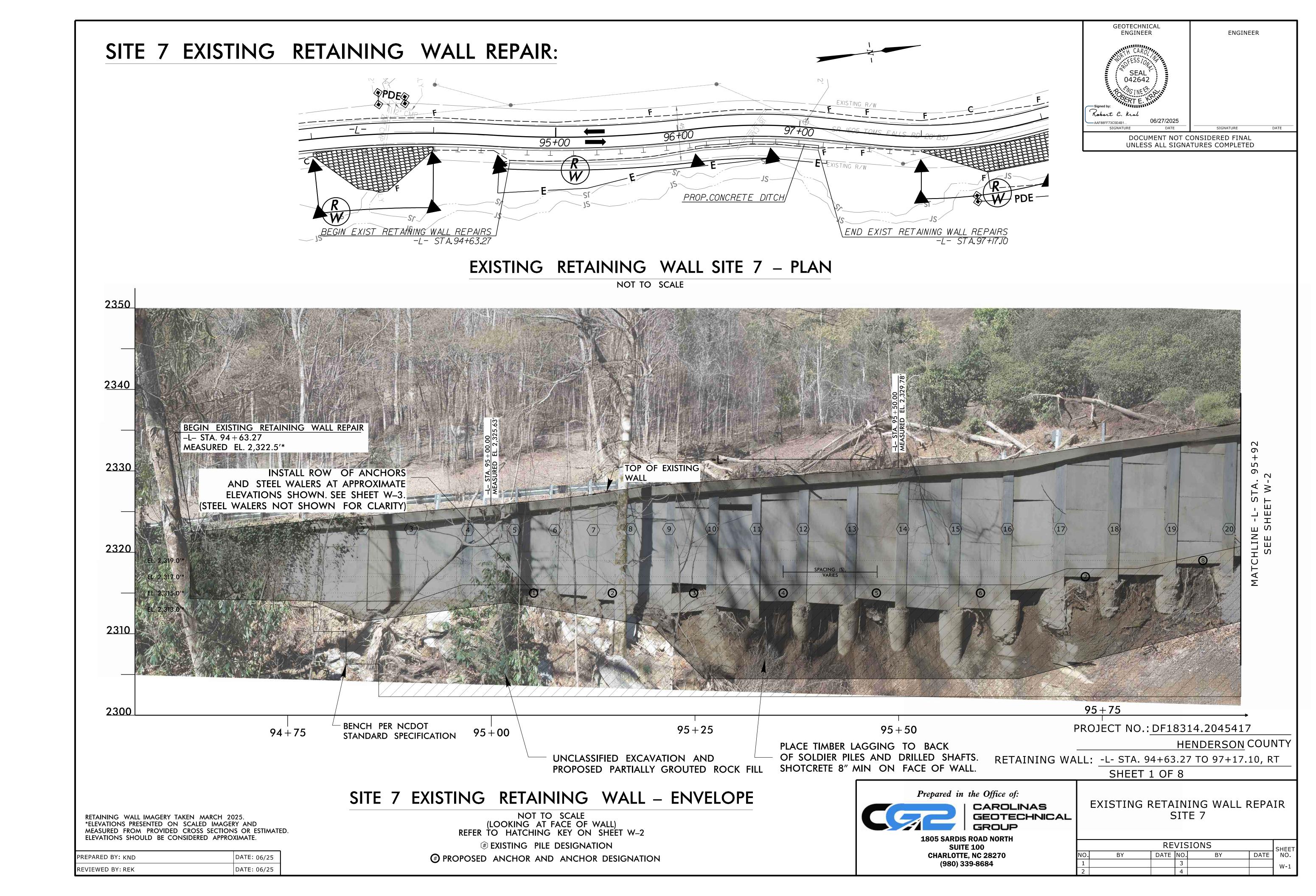
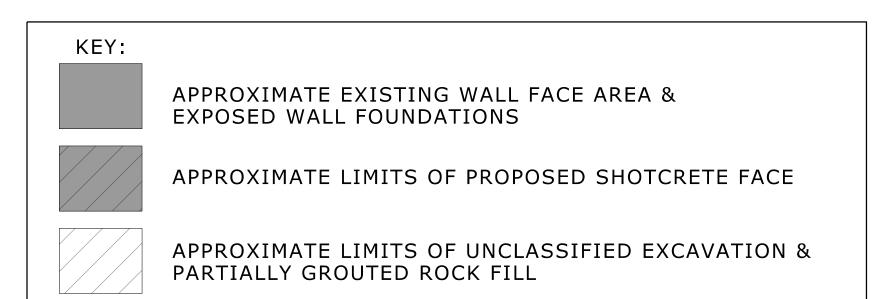
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CONSTRUCTION SEQUENCE:

- 1. DEMOLISH AND REMOVE CONCRETE COPING, AS NEEDED.
- 2. REMOVE CONCRETE PANELS BETWEEN PILES 1 THROUGH 30.
- 3. INSTALL SOLDIER PILE WALL ANCHORS AND WALERS.
- 4. UNCLASSIFIED EXCAVATION IN PREPARATION FOR ROCK EMBANKMENTS.
- 5. PLACE TIMBER LAGGING BEHIND SOLDIER PILES AND EXISTING DRILLED SHAFTS, AS NEEDED.
- 6. PLACE EXCAVATABLE FLOWABLE FILL BEHIND TIMBER LAGGING TO TOP OF EXISTING DRILLED SHAFTS IN LIFTS, AS NEEDED.
- 7. CONTRACTOR TO ASSESS THE PRESENCE OF VOIDS BEHIND EXISTING PANELS.

- 8. REINSTALL PRECAST PANELS LEVEL AND FILL VOIDS WITH EXCAVATABLE FLOWABLE FILL, AS NEEDED.
- 9. PLACE 8 INCH MIN. REINFORCED
 SHOTCRETE FACE FROM TOP OF WALER TO
 TOP OF ROCK.
- 10. INSTALL PARTIALLY GROUTED ROCK FILL AND ROCK EMBANKMENTS.
- 11. PLACE CAST-IN-PLACE (CIP) CONCRETE COPING WITH DITCH, AS NEEDED.
- 12. CONTRACTOR TO PLACE ROCK
 EMBANKMENTS AROUND THE ENDS OF THE
 EXISTING WALL TO TIE INTO GROUTED
 ROCK FILL, AS GEOMETRY ALLOWS.

GEOTECHNICAL ENGINEER

ENGINEER

SEAL
042642

SIGNATURE

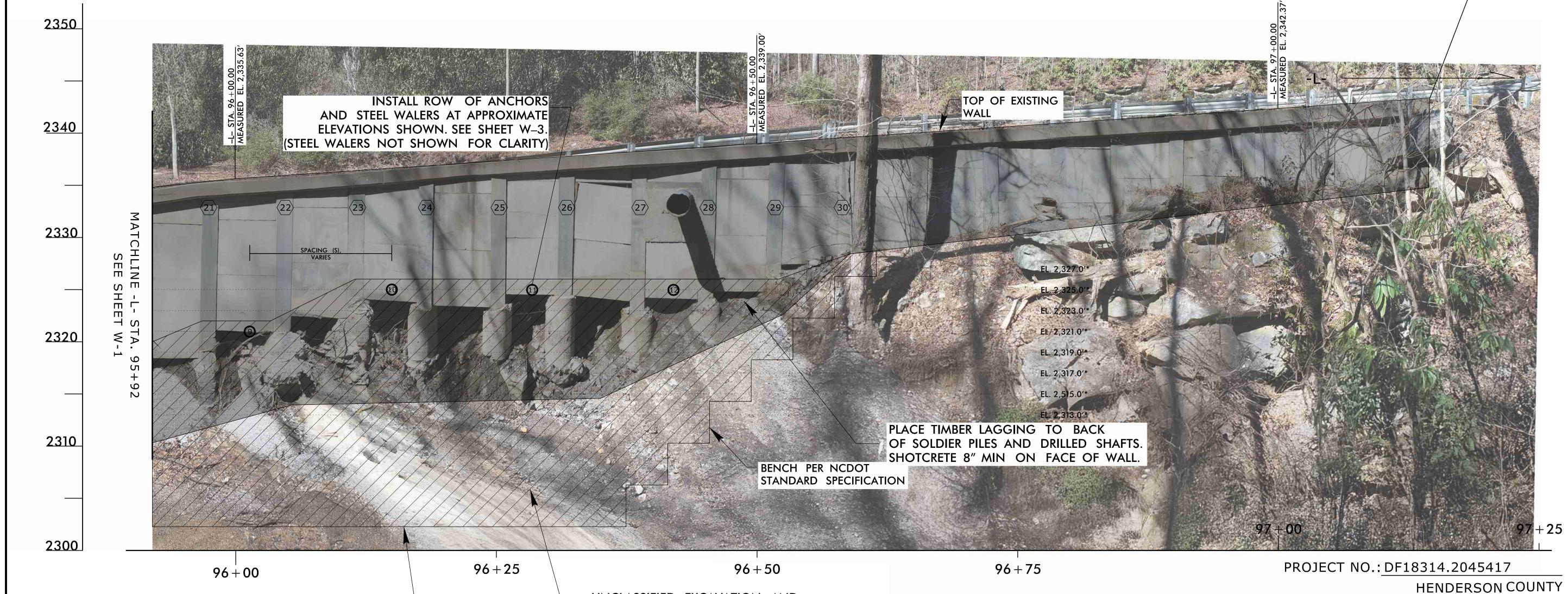
DOCUMENT NOT CONSIDERED FINAL

UNLESS ALL SIGNATURES COMPLETED

END EXISTING RETAINING WALL REPAIR

-L- STA. 97 + 17.10

MEASURED EL. 2,343.4'*



SITE 7 EXISTING RETAINING WALL - ENVELOPE (CONTINUED)

UNCLASSIFIED EXCAVATION AND

PROPOSED PARTIALLY GROUTED ROCK FILL

NOT TO SCALE (LOOKING AT FACE OF WALL)

DATE: 06/25

DATE: 06/25

PREPARED BY: KND

REVIEWED BY: REK

ANTICIPATED TOP OF COMPETENT ROCK

RETAINING WALL IMAGERY TAKEN MARCH 2025.
*ELEVATIONS PRESENTED ON SCALED IMAGERY AND MEASURED FROM PROVIDED CROSS SECTIONS OR ESTIMATED. ELEVATIONS SHOULD BE CONSIDERED APPROXIMATE.



CHARLOTTE, NC 28270

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EXISTING RETAINING WALL REPAIR
SITE 7

RETAINING WALL: -L- STA. 94+63.27 TO 97+17.10, RT

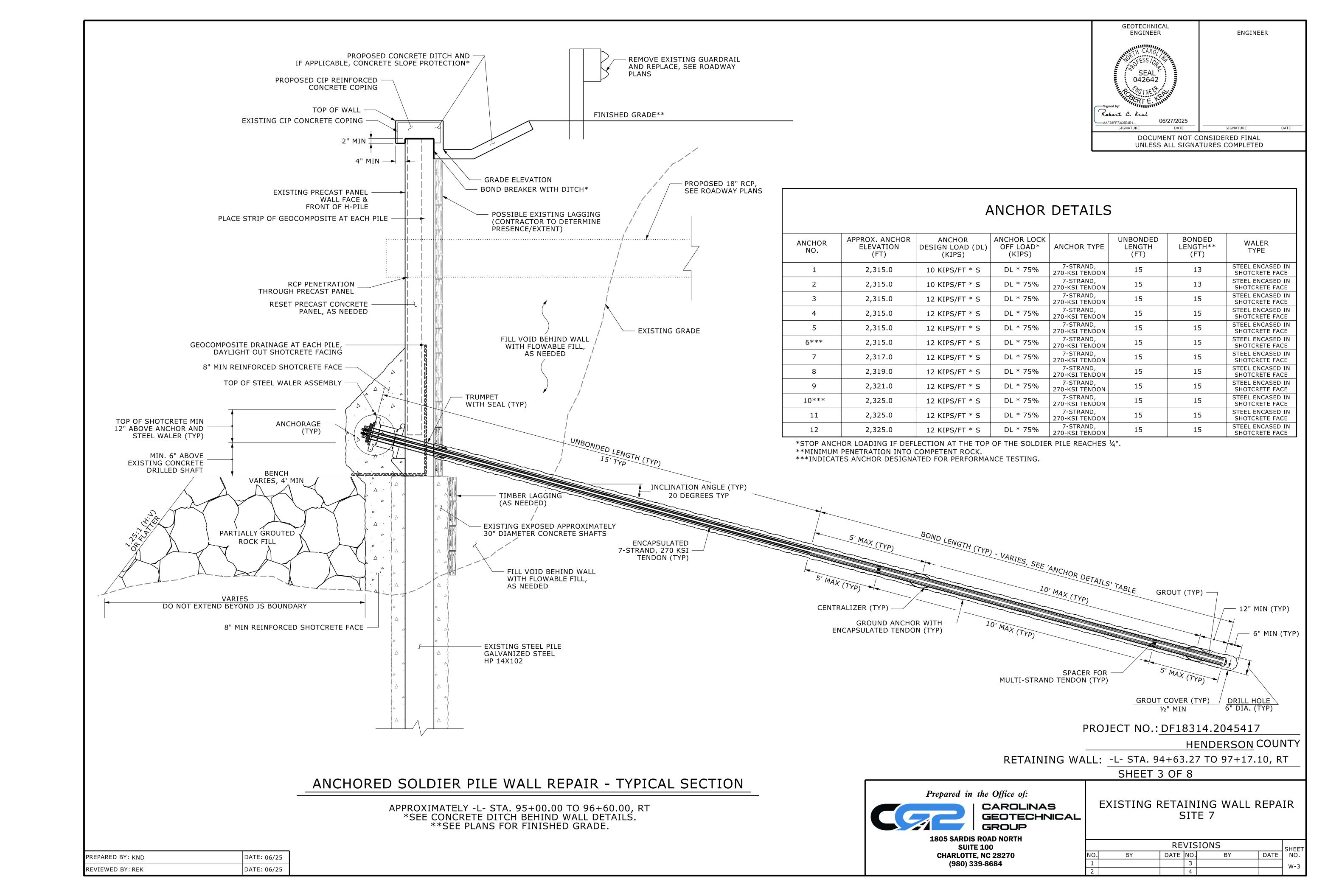
SHEET 2 OF 8

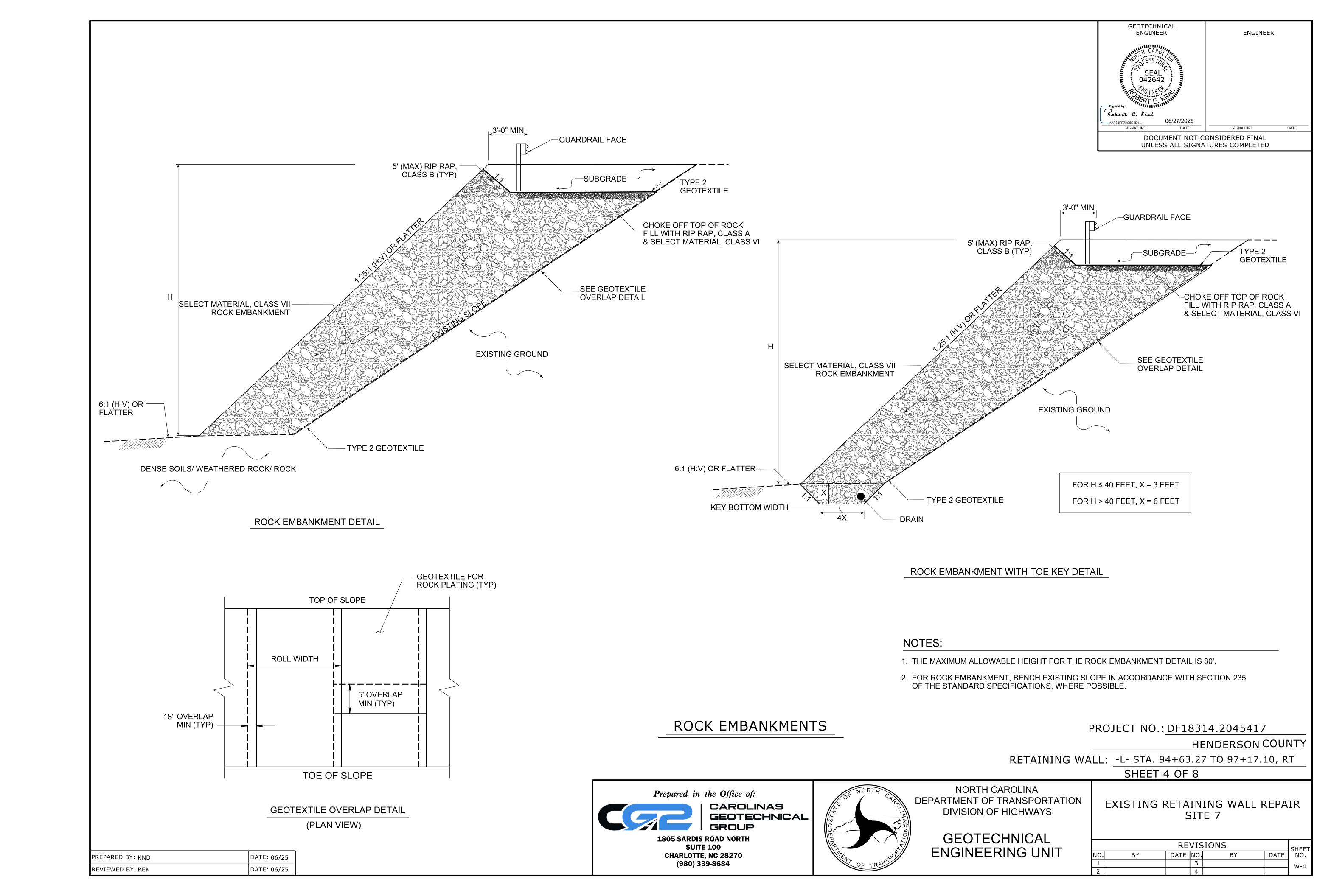
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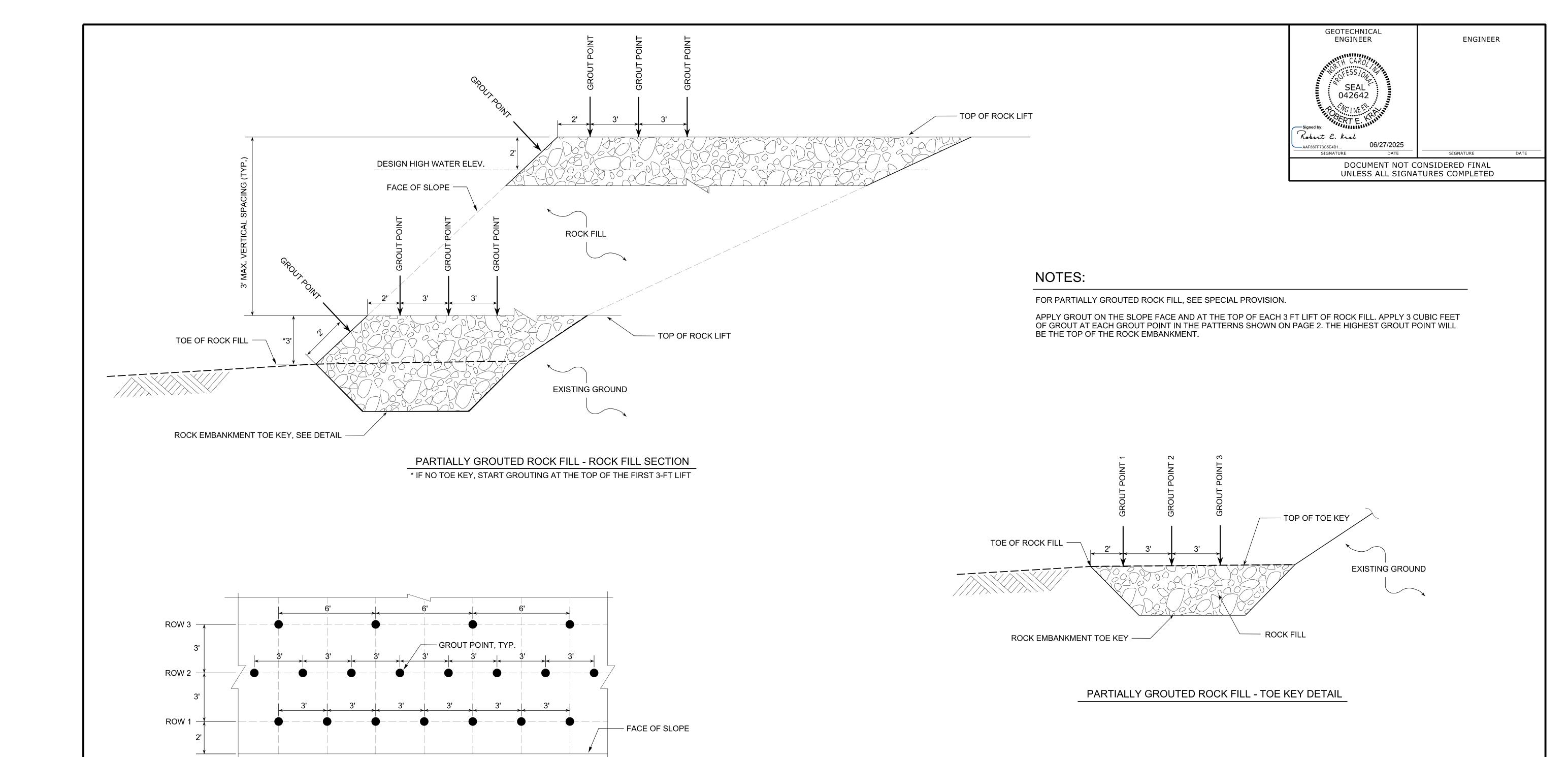
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 1
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 W-2

 2
 4
 W-2







PROJECT NO.: DF18314.2045417

HENDERSON COUNTY

RETAINING WALL: -L- STA. 94+63.27 TO 97+17.10, RT

SHEET 5 OF 8

Prepared in the Office of:

CAROLINAS
GEOTECHNICAL
GROUP

1805 SARDIS ROAD NORTH
SUITE 100
CHARLOTTE, NC 28270
(980) 339-8684

PARTIALLY GROUTED ROCK FILL DETAILS



NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

GEOTECHNICAL ENGINEERING UNIT

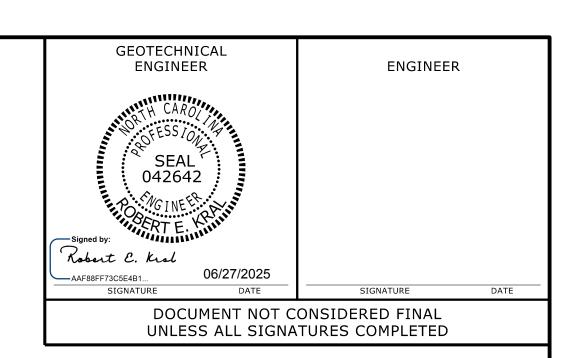
EXISTING RETAINING	WALL	REPAIR
SITE 7		

SHEET	REVISIONS					
SHEET NO.	DATE	ВҮ	NO.	DATE	BY	
W-5			3			
			4			

PREPARED BY: KND DATE: 06/25
REVIEWED BY: REK DATE: 06/25

PARTIALLY GROUTED ROCK FILL - PLAN VIEW GROUT POINTS

VIEW FROM FRONT TOP



TOE OF ROCK FILL

PARTIALLY GROUTED ROCK FILL - SLOPE FACE DETAIL

ROW (X+1)

DESIGN HIGH
WATER ELEV.
ROW (X)

FACE OF SLOPE

ROW 2

3

ROW 1

TOE OF ROCK FILL

PARTIALLY GROUTED ROCK FILL - SLOPE FACE GROUT POINTS

VIEW FROM FRONT SLOPE FACE

PARTIALLY GROUTED ROCK FILL DETAILS

PROJECT NO.: DF18314.2045417

HENDERSON COUNTY

RETAINING WALL: -L- STA. 94+63.27 TO 97+17.10, RT

SHEET 6 OF 8

Pared in the Office of:

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NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

GEOTECHNICAL ENGINEERING UNIT EXISTING RETAINING WALL REPAIR SITE 7

REVISIONS

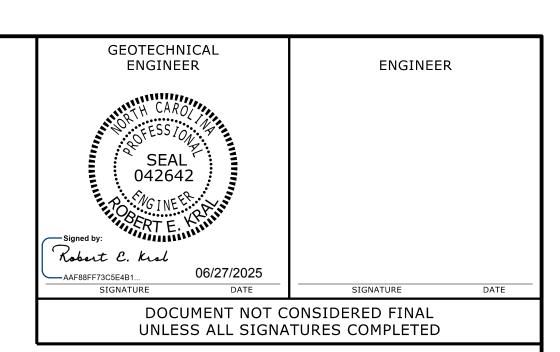
BY DATE NO. BY DATE NO. W-6

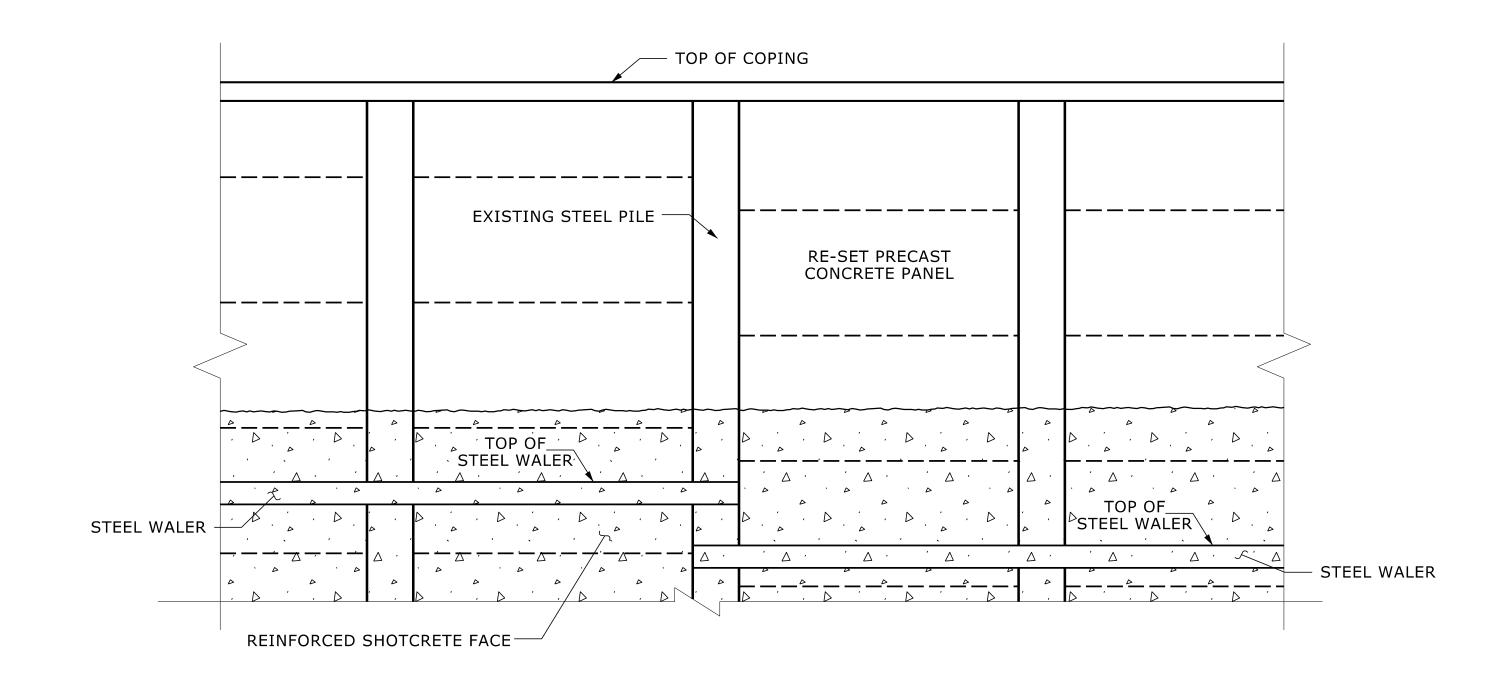
PREPARED BY: KND DATE: 06/25
REVIEWED BY: REK DATE: 06/25

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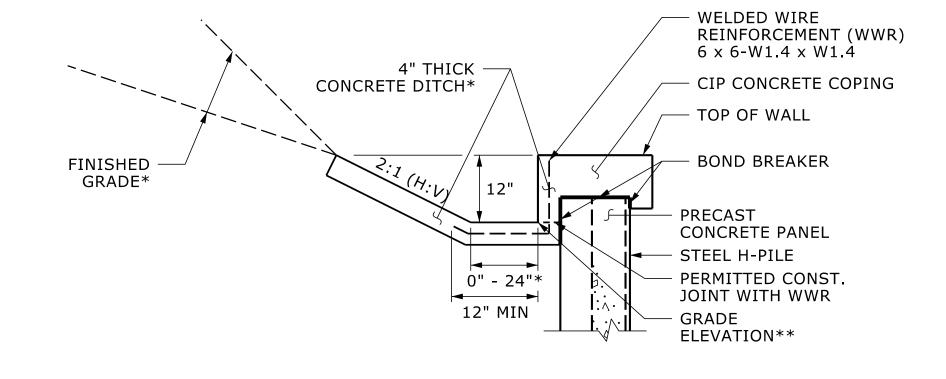
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CHARLOTTE, NC 28270
(980) 339-8684





SOLDIER PILE WALL FACE - TYPICAL

APPROXIMATELY -L- STA. 95+00.00 TO 96+60.00, RT



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.

PROJECT NO.: DF18314.2045417

HENDERSON COUNTY

RETAINING WALL: -L- STA. 94+63.27 TO 97+17.10, RT

SHEET 7 OF 8

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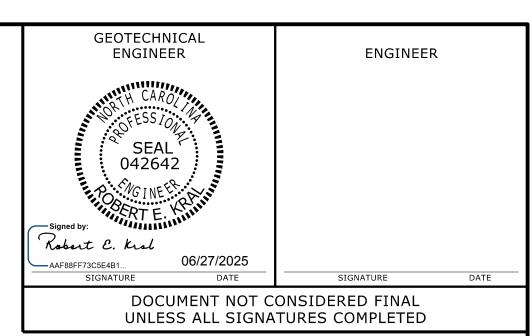
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(980) 339-8684



NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

GEOTECHNICAL ENGINEERING UNIT EXISTING RETAINING WALL REPAIR SITE 7

REVISIONS					SHEET
BY	DATE	NO.	BY	DATE	NO.
		3			W-7
		4			VV /



NOTES:

FOR EXISTING SOLDIER PILE RETAINING WALL REPAIRS, SEE EXISTING RETAINING WALL REPAIRS SPECIAL PROVISION.

FOR ROCK EMBANKMENTS, SEE ROCK EMBANKMENTS STANDARD PROVISION.

FOR PARTIALLY GROUTED ROCK FILL, SEE PARTIALLY GROUTED ROCK FILL SPECIAL PROVISION.

FOR STEEL BEAM GUARDRAIL, SEE ROADWAY PLANS AND SECTION 862 OF THE STANDARD SPECIFICATIONS.

EACH TIEBACK ANCHOR SHALL BE STRESSED AND LOCKED OFF TO THE LOADS SPECIFIED IN THE TABLE ON SHEET W-8. ANCHOR STRESSING SHALL BE PERFORMED IN ACCORDANCE WITH THE EXISTING RETAINING WALL REPAIRS SPECIAL PROVISION.

ALL ANCHORS SHALL BE STRESSED AND LOCKED OFF PRIOR TO PLACING ANY EXCAVATABLE FLOWABLE FILL.

PROVIDE EXCAVATABLE FLOWABLE FILL IN ACCORDANCE WITH SECTION 1000-7 OF THE STANDARD SPECIFICATIONS. PLACE EXCAVATABLE FLOWABLE FILL IN LIFTS NOT EXCEEDING 24 INCHES AND ONLY AFTER ALL TIEBACK ANCHORS HAVE BEEN STRESSED AND LOCKED OFF.

CONTRACTOR SHALL DEMOLISH AND REMOVE THE EXISTING CONCRETE COPING AS NECESSARY TO ACCESS AND RESET THE PRECAST CONCRETE PANELS BETWEEN SOLDIER PILES. PANELS SHALL BE RESET TO A LEVEL AND PLUMB POSITION CONSISTENT WITH ORIGINAL ALIGNMENT AND ELEVATIONS. CONTRACTOR SHALL EXERCISE CARE TO PREVENT DAMAGE TO THE EXISTING PANELS. ANY PANELS DAMAGED OR BROKEN DURING DEMOLITION, HANDLING, OR RESETTING SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. ALL LABOR, MATERIALS, EQUIPMENT, AND DISPOSAL ASSOCIATED WITH COPING REMOVAL, PANEL RESETTING, AND ANY REQUIRED PANEL REPLACEMENT SHALL BE CONSIDERED INCIDENTAL TO THE WALL REPAIR AND NO ADDITIONAL COMPENSATION WILL BE MADE.

CONTRACTOR SHALL CORE OR SAW-CUT A CLEAN, CIRCULAR OPENING THROUGH THE EXISTING PRECAST CONCRETE PANEL TO ACCOMMODATE THE PROPOSED 18-INCH REINFORCED CONCRETE PIPE (RCP) AS SHOWN ON THE PLANS. THE OPENING SHALL ALLOW A MAXIMUM 1-INCH ANNULAR SPACE AROUND THE PIPE. AFTER INSTALLATION, SEAL THE ANNULAR SPACE USING NON-SHRINK, NON-METALLIC GROUT CONFORMING TO NCDOT STANDARD SPECIFICATIONS SECTION 1003 FOR TYPE 2 GROUT. GROUT SHALL BE PLACED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS TO ACHIEVE A WATERTIGHT CONNECTION. CONTRACTOR SHALL PREVENT DAMAGE TO THE PANEL DURING CUTTING, PIPE PLACEMENT, OR GROUTING. ALL LABOR, MATERIALS, AND ANY NECESSARY PANEL REPAIRS SHALL BE CONSIDERED INCIDENTAL TO THE PIPE INSTALLATION.

ESTIMATED QUANTITIES - SI EXISTING RETAINING WALL REI	
OTCRETE WALL FACE	1,450 SF
BACK ANCHORS	12 EA

SHOTCRETE WALL FACE	1,450 SF
TIEBACK ANCHORS	12 EA
ANCHOR PERFORMANCE TESTS	4 EA
ANCHOR PROOF TESTS	12 EA
CIP CONCRETE COPING	260 LF
CONCRETE DITCH	260 LF
UNCLASSIFIED EXCAVATION	875 CY

EXISTING RETAINING WALL REI PAY ITEMS	PAIRS
SITE 7 EXISTING RETAINING WALL REPAIRS	1 LS
ROCK EMBANKMENTS	2,400 TON

#57 STONE

GROUT FOR ROCK FILL

GEOTEXTILE FOR ROCK EMBANKMENTS

PROJECT NO.: DF18314.2045417

HENDERSON COUNTY

RETAINING WALL: -L- STA. 94+63.27 TO 97+17.10, RT

SHEET 8 OF 8



(980) 339-8684

0 TON

310 SY

175 CY

EXISTING RETAINING WALL REPAIR SITE 7

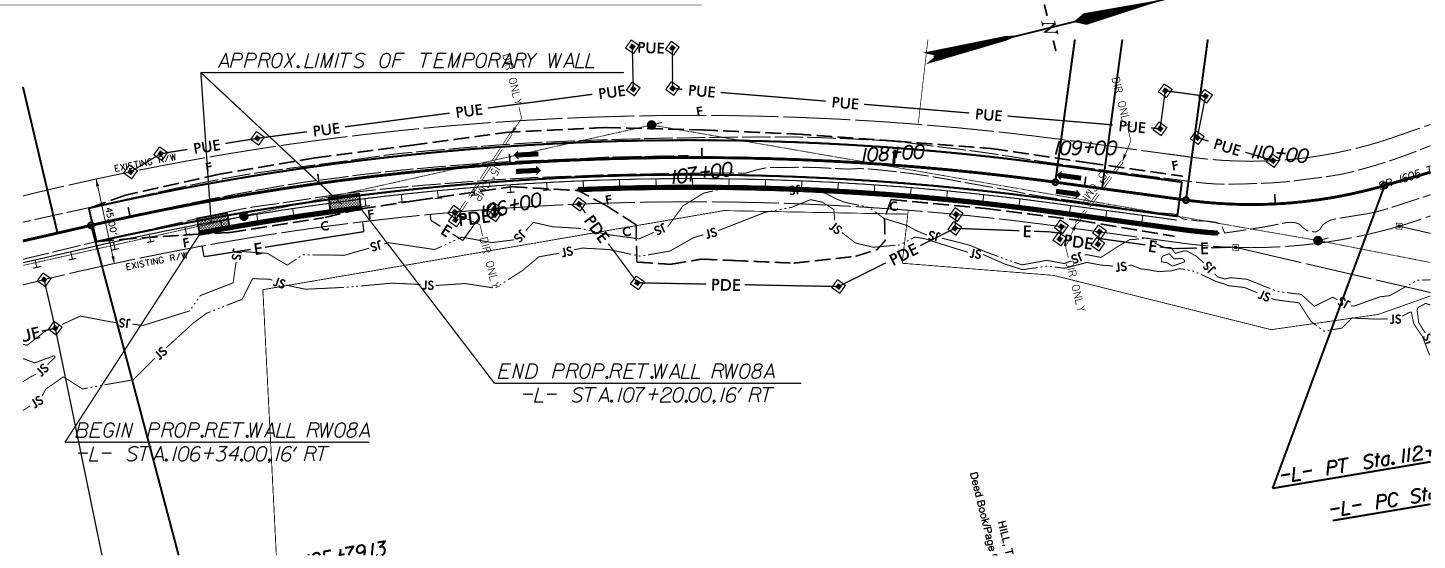
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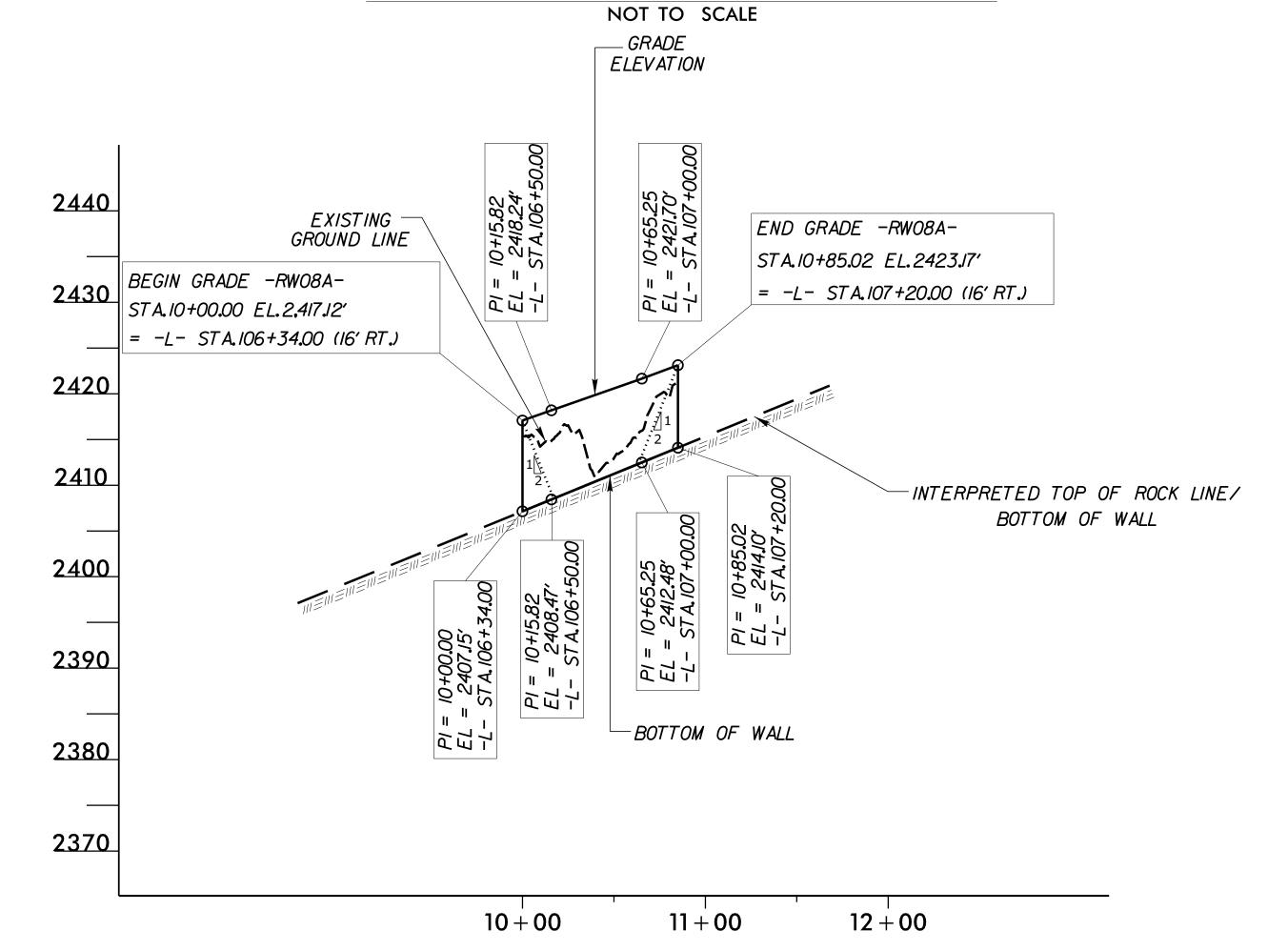
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W-8

SITE 8 RETAINING WALL RW08A:

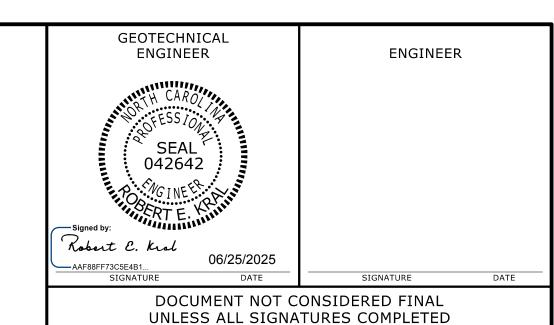


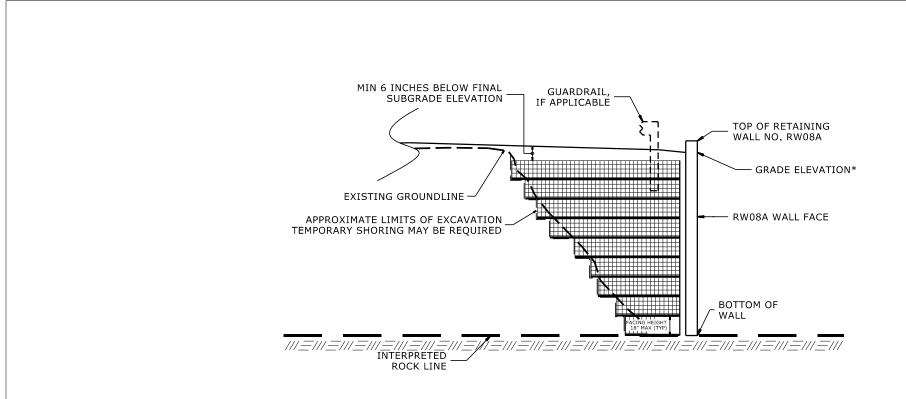
RETAINING WALL RW08A - PLAN



RETAINING WALL RW08A - ENVELOPE

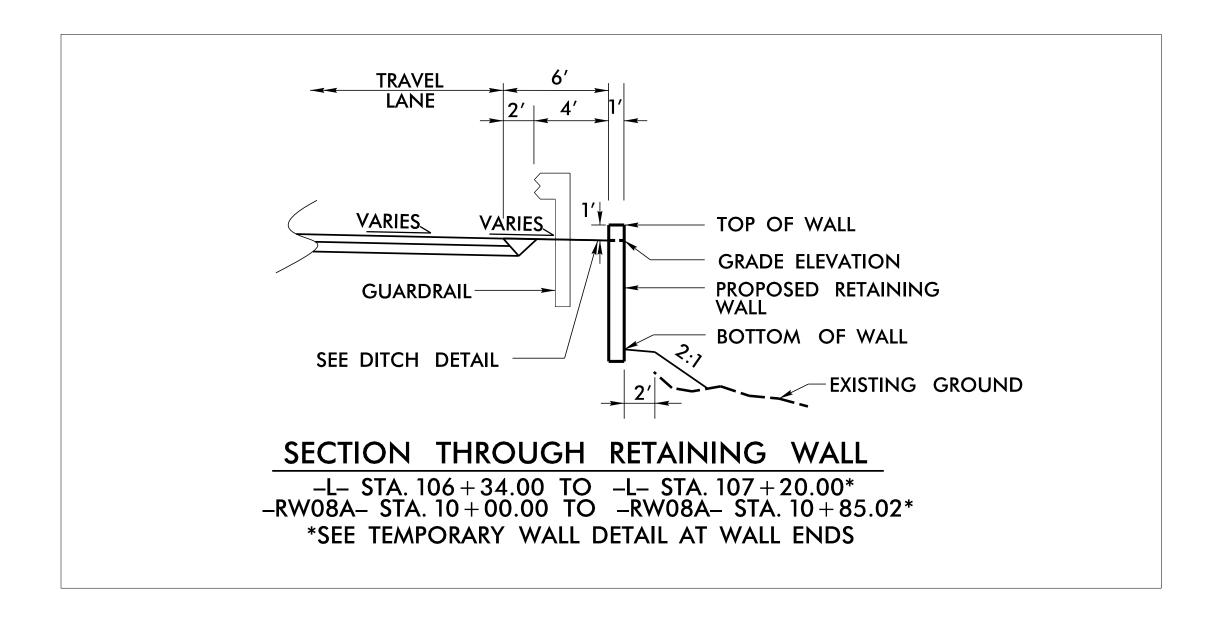
NOT TO SCALE (LOOKING AT FACE OF WALL)





TEMPORARY WALL AT ENDS OF RETAINING WALL RW08A
SECTION THROUGH RETAINING WALL RW08A STA. 10+00
(SECTION AT RW08A STA. 10+85.02 MIRRORED)
NOT TO SCALE

*SEE PLANS FOR FINISHED GRADE



PROJECT NO.: DF18314.2045378

HENDERSON COUNTY

RETAINING WALL RW08A: -RW08B- STA. 10+00.00 TO 10+85.02

SHEET 1 OF 7



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SITE 8 RETAINING WALLS RW08A AND RW08B SOLDIER PILE RETAINING WALLS

REVISIONS

BY DATE NO. BY DATE NO. 3

4

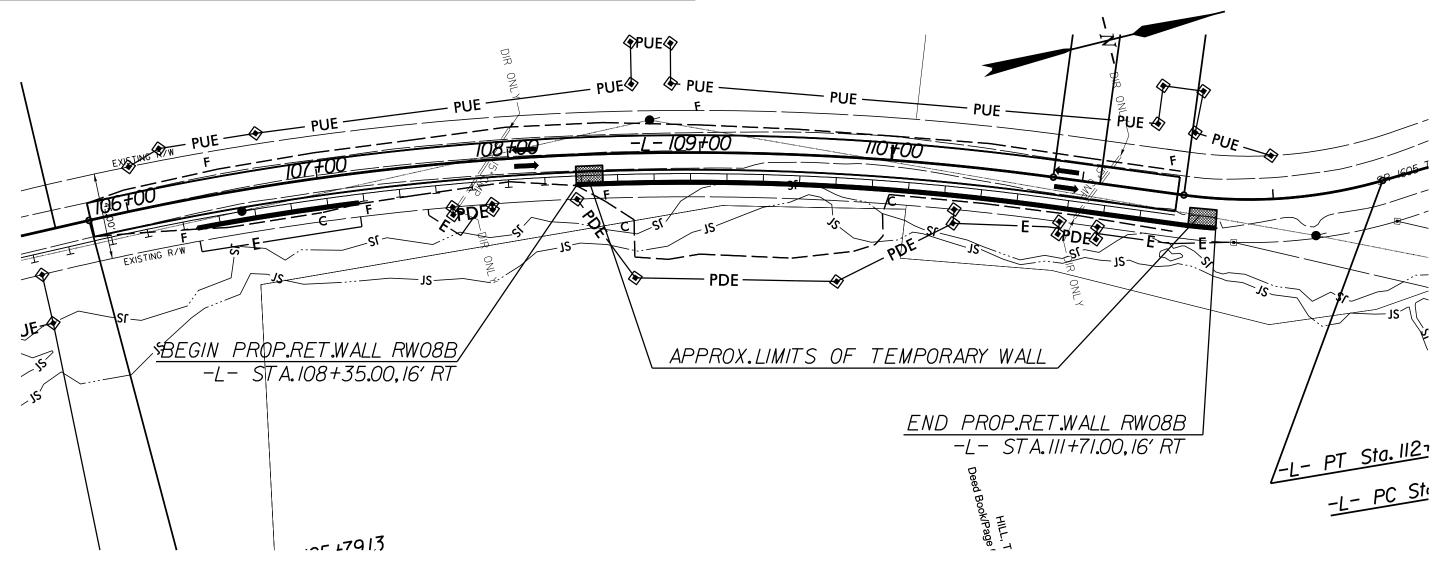
W-8

PREPARED BY: KND DATE: 06/25

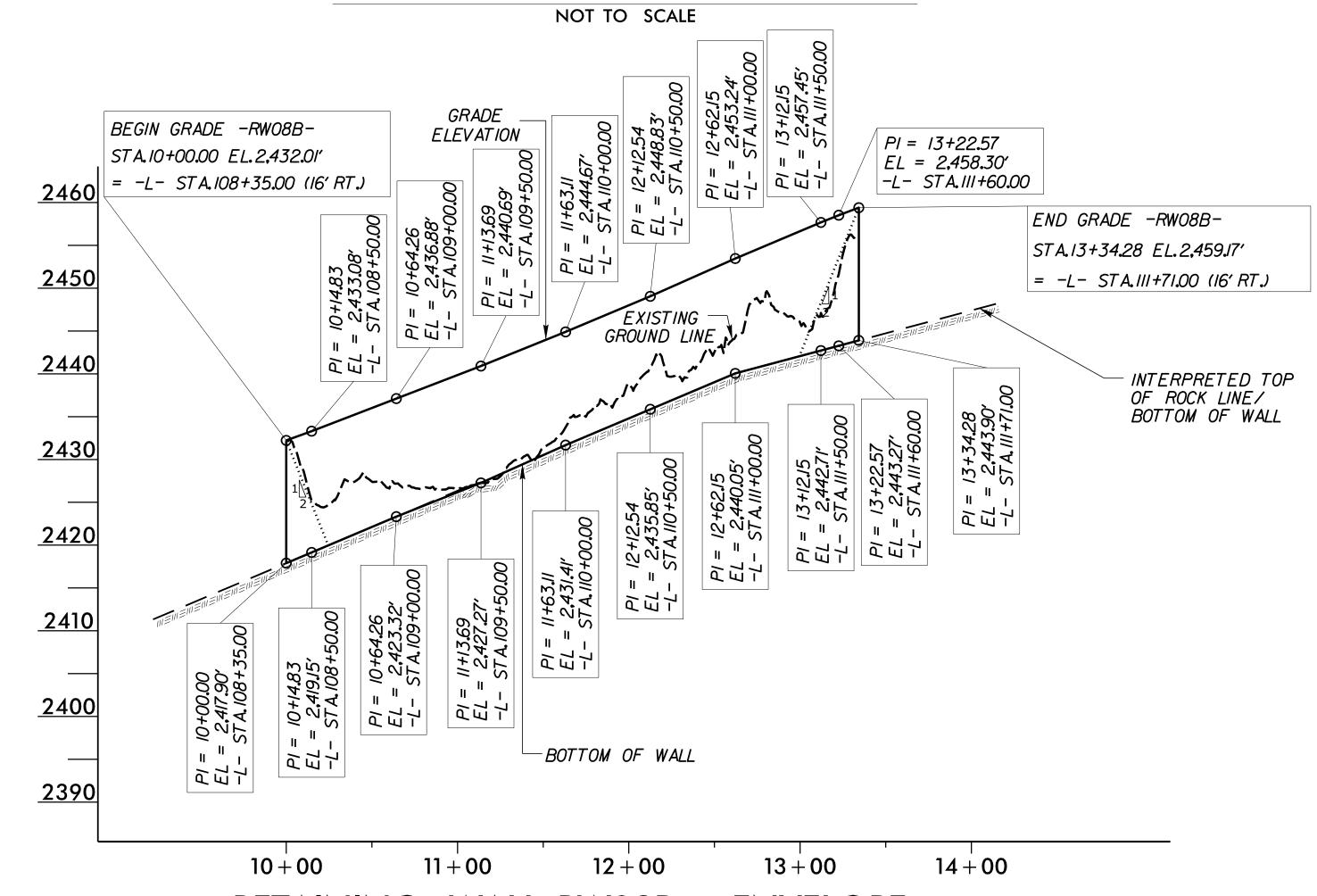
REVIEWED BY: REK DATE: 06/25

RETAINING WALL RW08A ENVELOPE AND WALL LAYOUT PROVIDED RS&H MAY 2025 AND MODIFIED BY CG2.

SITE 8 RETAINING WALL RW08B:

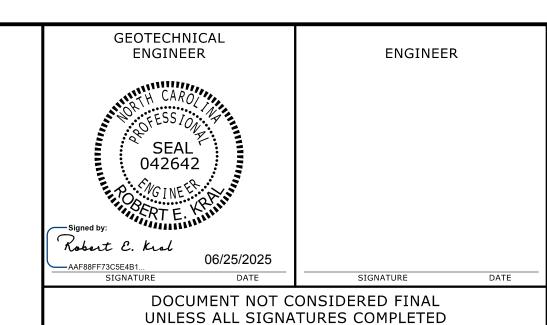


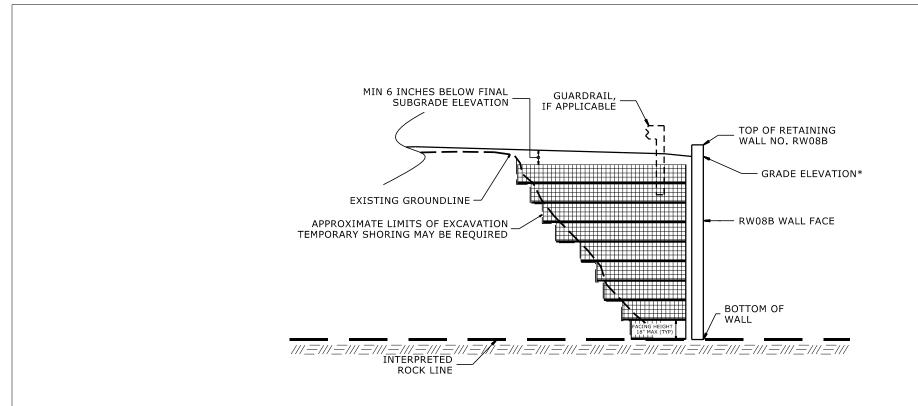
RETAINING WALL RW08B - PLAN



RETAINING WALL RW08B - ENVELOPE

NOT TO SCALE (LOOKING AT FACE OF WALL)

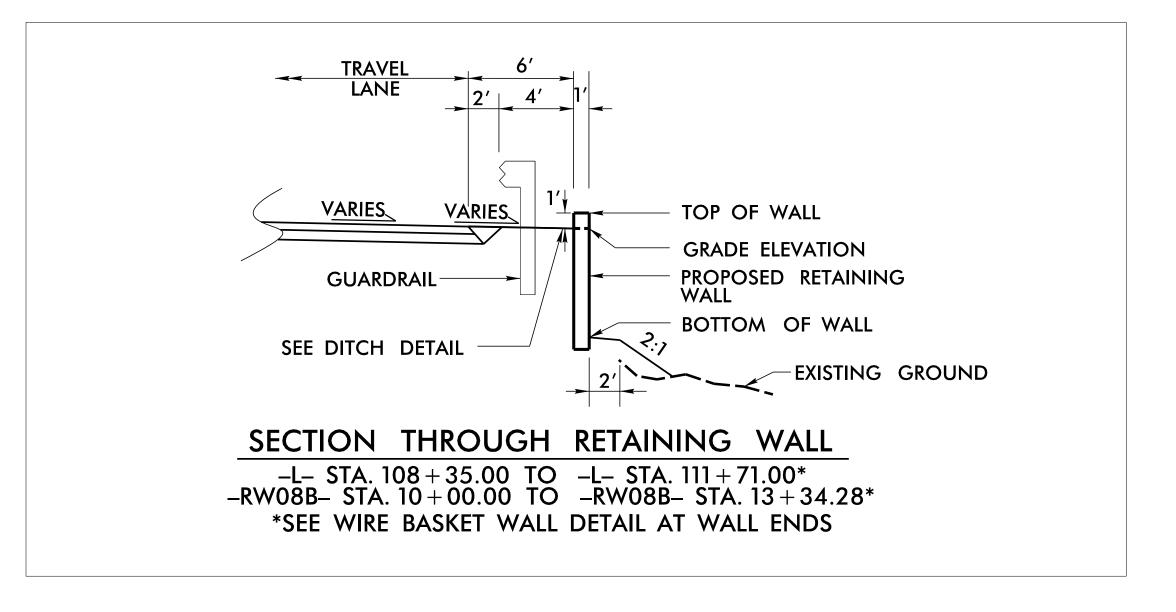




TEMPORARY WALL AT ENDS OF RETAINING WALL RW08B SECTION THROUGH RETAINING WALL RW08B STA. 10+00 (SECTION AT RW08B STA. 13+34.28 MIRRORED)

NOT TO SCALE

*SEE PLANS FOR FINISHED GRADE



PROJECT NO.: DF18314.2045378

HENDERSON COUNTY

RETAINING WALL RW08B: -RW08B- STA. 10+00.00 TO 13+34.28

SHEET 2 OF 7



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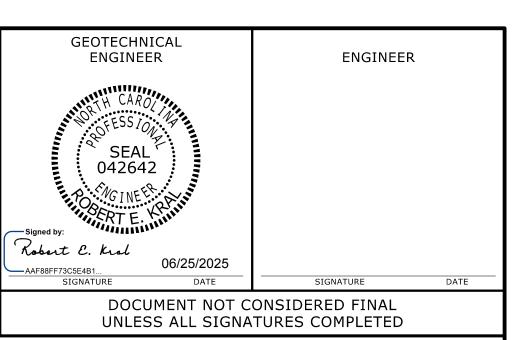
SITE 8 RETAINING WALLS RW08A AND RW08B SOLDIER PILE RETAINING WALLS

REVISIONS					
BY	DATE	NO.	BY	DATE	SHEET NO.
		3			W-9
		4			VV

PREPARED BY: KND DATE: 06/25

REVIEWED BY: REK DATE: 06/25

RETAINING WALL RW08B ENVELOPE AND WALL LAYOUT PROVIDED RS&H MAY 2025 AND MODIFIED BY CG2.



NOTES:

FOR SOLDIER PILE RETAINING WALLS, SEE SOLDIER PILE RETAINING WALLS WITH PANEL KEY SPECIAL PROVISION.

FOR STEEL BEAM GUARDRAIL, SEE ROADWAY PLANS AND SECTION 862 OF THE STANDARD SPECIFICATIONS.

DRILLED-IN H-PILES ARE REQUIRED FOR RETAINING WALLS NO. RW08A AND RW08B.

USE A SOLDIER PILE RETAINING WALL WITH PRECAST CONCRETE PANELS THAT MEET SECTION 1077 OF THE STANDARD SPECIFICATIONS FOR RETAINING WALLS NO. RW08A AND RW08B.

AT THE CONTRACTOR'S OPTION, USE SOIL NAIL WALL ON MICROPILE SUPPORTED GRADE BEAM FOR RETAINING WALLS NO. RW08A OR RW08B. FOR SOIL NAIL SHOULDER BUILD-OUT, SEE SOIL NAIL RETAINING WALLS SPECIAL PROVISION. FOR MICROPILE 2'-6" GRADE BEAM, SEE SLOPE STABILIZATION GRADE BEAM PLANS AND MICROPILES SPECIAL PROVISION. FOR SOIL NAIL WALL ON MICROPILE SUPPORTED GRADE BEAM, SEE SHEET W-12.

BEFORE BEGINNING SOLDIER PILE WALL DESIGN FOR RETAINING WALLS NO. RW08A AND RW08B, 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.

DESIGN RETAINING WALLS NO. RW08A AND RW08B FOR THE FOLLOWING:

- 1) DESIGN HEIGHT (H) = WALL HEIGHT + WALL EMBEDMENT
- 2) DESIGN LIFE = 75 YEARS
- 3) MINIMUM WALL EMBEDMENT DEPTH = 6 INCHES INTO CIP REINFORCED CONCRETE LEVELING PAD
- 4) ASSUMED BORROW MATERIAL PARAMETERS, SEE SECTION 1018 OF THE STANDARD SPECIFICATIONS

UNIT WEIGHT, $\gamma = 120$ PCF

FRICTION ANGLE, $\phi = 30$ DEGREES

COHESION, c = 0 PSF

5) IN-SITU ASSUMED MATERIAL PARAMETERS RESIDUAL SOIL:

UNIT WEIGHT, $\gamma = 120$ PCF FRICTION ANGLE, $\phi = 30$ DEGREES

COHESION, c = 0 PSF
6) IN-SITU ASSUMED MATERIAL PARAMETERS CRYSTALLINE ROCK:

UNIT WEIGHT, $\gamma = 170$ PCF FRICTION ANGLE, $\phi = 34$ DEGREES

COHESION, c = 1,000 PSF

THE MINIMUM WALL EMBEDMENT FOR RETAINING WALLS NO. RW08A AND RW08B INCLUDES EMBEDMENT FOR SCOUR.

DESIGN RETAINING WALLS NO. RW08A AND RW08B FOR A LIVE LOAD (TRAFFIC) SURCHARGE.

DESIGN RETAINING WALLS NO. RW08A AND RW08B FOR 300 LB/FT HORIZONTAL TRAFFIC IMPACT LOAD.

EXISTING OR FUTURE OBSTRUCTIONS SUCH AS FOUNDATIONS, GUARDRAIL, FENCE OR HANDRAIL POSTS, PAVEMENTS, PIPES, INLETS OR UTILITIES MAY INTERFERE WITH GROUND ANCHORS FOR RETAINING WALLS NO. RW08A AND RW08B.

KEY THE PRECAST CONCRETE PANELS MINIMUM OF 6 INCHES INTO THE CIP REINFORCED CONCRETE LEVELING PAD AT RETAINING WALLS NO. RW08A AND RW08B.

IF THE CIP REINFORCED CONCRETE LEVELING PAD DOES NOT EXTEND A MINIMUM OF 8 INCHES BEYOND THE FACES OF THE SOLDIER PILES ON ALL SIDES, PROVIDE DOWEL REINFORCEMENT AT THE BASE OF THE LEVELING PAD INTO COMPETENT ROCK.

CAST 2 INCH DIAMETER SCHEDULE 40 PVC DRAIN PIPE WEEP HOLES. SPACING OF WEEP HOLES SHALL NOT EXCEED 10 FEET. ANCHOR 6 INCH BY 6 INCH GALVANIZED STEEL WIRE MESH, REINFORCEMENT WWR 4 X 4-W4.0 X W4.0 FIRMLY TO BACK OF PANEL AT THE END OF THE PVC WEEP HOLE PIPE.

"TEMPORARY SHORING" MAY BE REQUIRED FOR RETAINING WALLS NO. RW08A AND RW08B IN ACCORDANCE WITH THE TEMPORARY SHORING PROVISION. SEE ROADWAY OR TRAFFIC CONTROL PLANS.

TOTAL STRUCTURE QUANTITIES - SOLDIER PILE RETAINING WALLS

RW08A	SOLDIER PILE RETAINING WALLS WITH PANEL KEY	810 SF
RW08B	SOLDIER PILE RETAINING WALLS WITH PANEL KEY	4,620 SF
TOTA	L SOLDIER PILE RETAINING WALLS WITH PANEL KEY	5,430 SF

SOLDIER PILE RETAINING WALL NO. RW08A					
STARW08A- GRADE ELEVATION (FT) PROP. BOTTOM OF WALL ELEVATION* (FT) WALL DESIGN HEIGHT "H" (FT)					
10+00.00	2,417.12	2,407.15	10.47		
10+15.82	2,418.24	2,408.47	9.77		
10+65.25	2,421.70	2,412.48	9.22		
10+85.02	2,423.17	2,414.10	9.57		

*BOTTOM OF WALL ELEVATION INTERPRETED FROM APPROXIMATE TOP OF ROCK LINE AS INDICATED BY THE BORINGS.

SOLDIER PILE RETAINING WALL NO. RW08B						
STARW08B-	GRADE ELEVATION (FT)	PROP. BOTTOM OF WALL ELEVATION* (FT)	WALL DESIGN HEIGHT "H" (FT)			
10+00.00	2,432.01	2,417.90	14.61			
10+14.83	2,433.08	2,419.15	14.43			
10+64.26	2,436.88	2,423.32	14.06			
11+13.69	2,440.69	2,427.27	13.92			
11+63.11	2,444.67	2,431.41	13.76			
12+12.54	2,448.83	2,435.85	13.48			
12+62.15	2,453.24	2,440.05	13.69			
13+12.15	2,457.45	2,442.71	15.24			
13+22.57	2,458.30	2,443.27	15.53			

*BOTTOM OF WALL ELEVATION INTERPRETED FROM APPROXIMATE TOP OF ROCK LINE AS INDICATED BY THE BORINGS.

2,459.17

13+34.28

2,443.90

15.77

PROJECT NO.: DF18314.2045378

HENDERSON COUNTY

RETAINING WALL RW08A: -RW08A- STA. 10+00.00 TO 10+85.02 RETAINING WALL RW08B: -RW08B- STA. 10+00.00 TO 13+34.28

SHEET 3 OF 7

Prepared in the Office of:

CAROLINAS
GEOTECHNICAL
GROUP

1805 SARDIS ROAD NORTH
SUITE 100

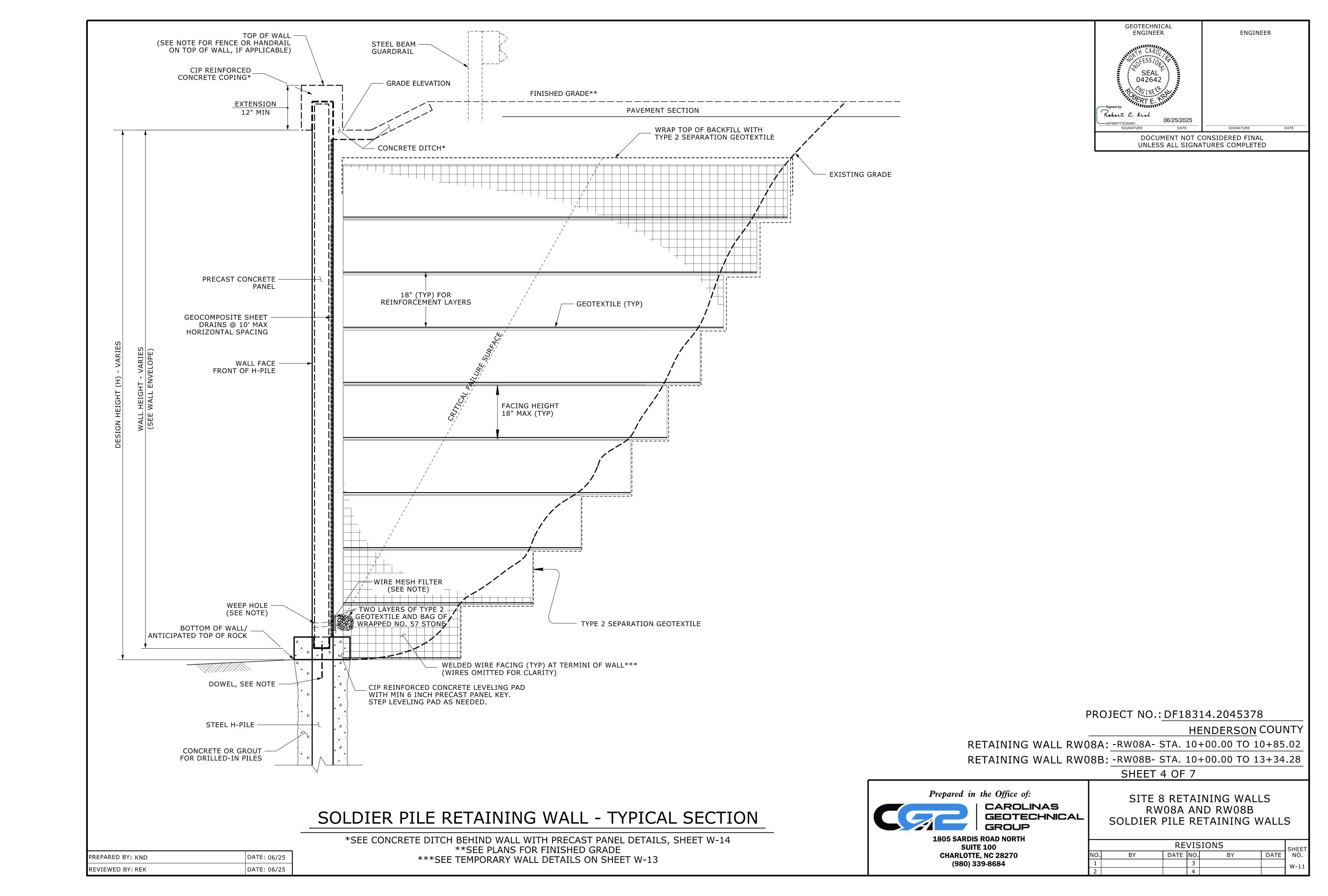
CHARLOTTE, NC 28270

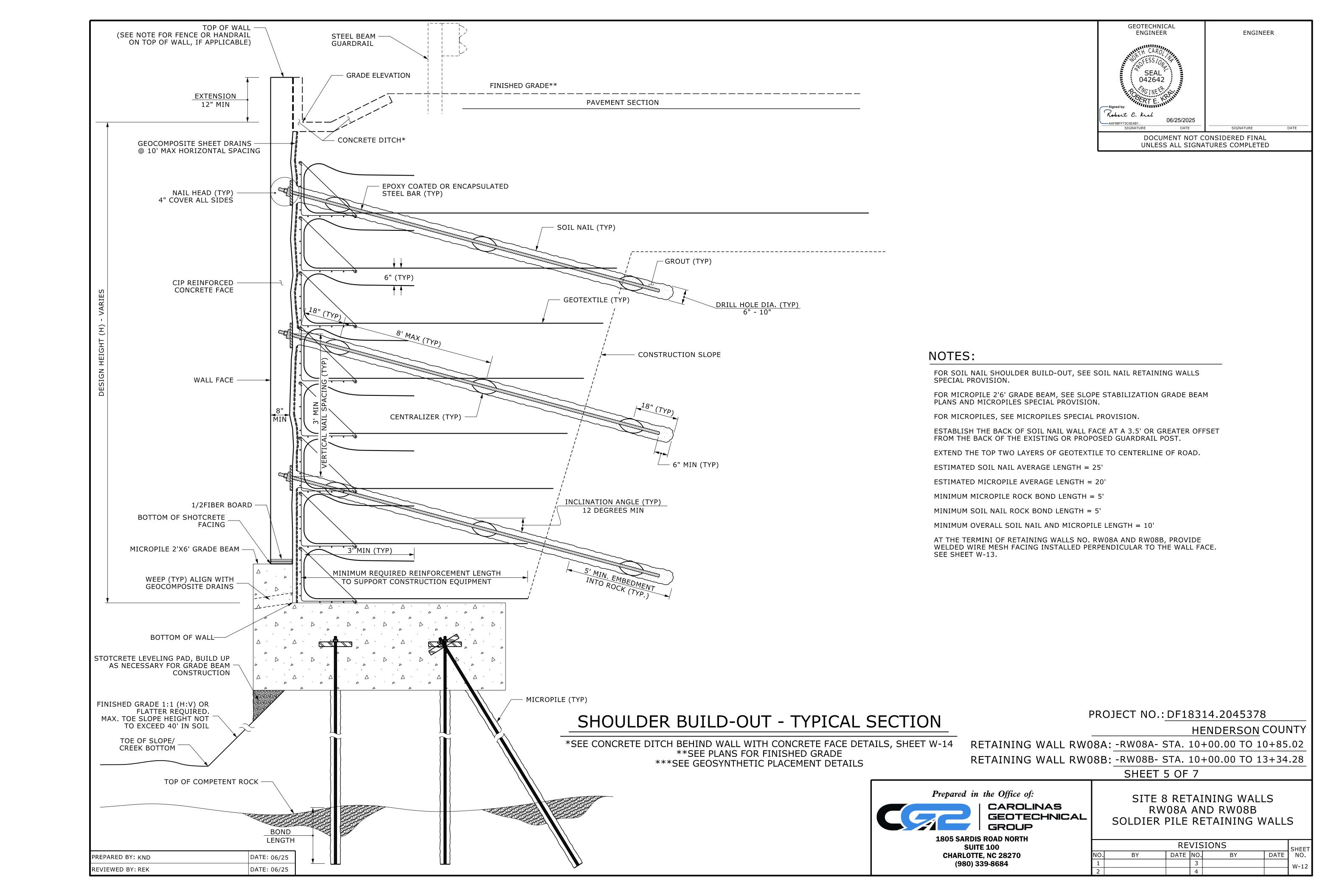
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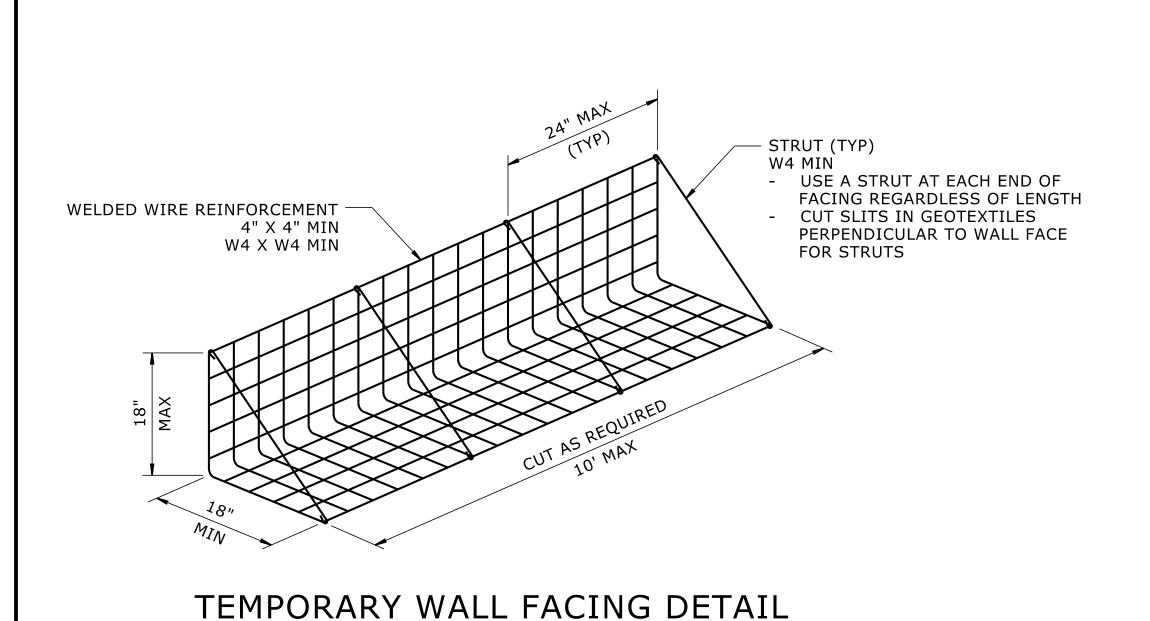
SITE 8 RETAINING WALLS RW08A AND RW08B SOLDIER PILE RETAINING WALLS

REVISIONS

D. BY DATE NO. BY DATE NO. W-10



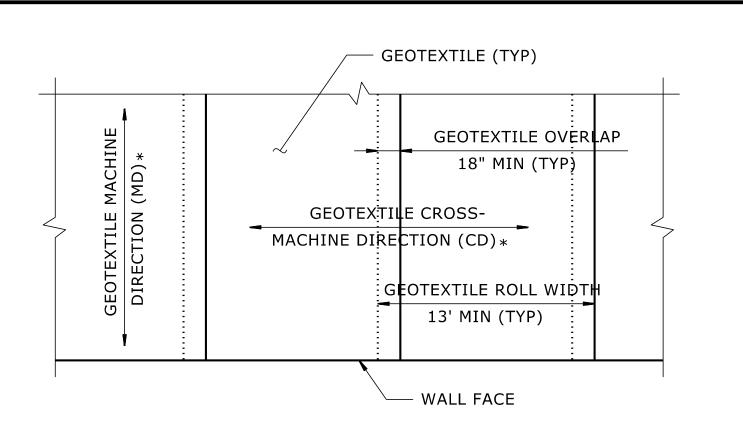


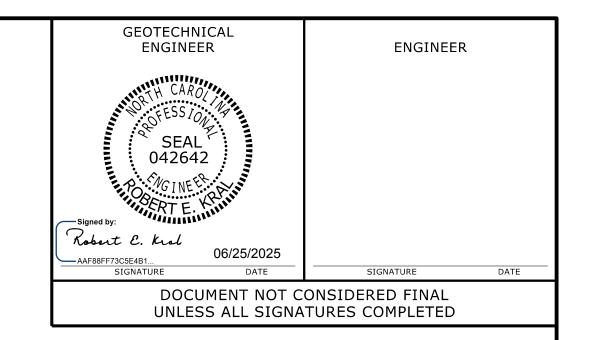


NOTES:

- 1. FOR TEMPORARY WALLS, SEE STANDARD SHORING PROVISION.
- 2. TEMPORARY WALLS ARE BASED ON THE FOLLOWING IN-SITU ASSUMED SOIL PARAMETERS: UNIT WEIGHT, $\gamma=120$ PCF FRICTION ANGLE, $\phi=30$ DEGREES COHESION, c=0 PSF
- 3. DO NOT USE CLASS VI SELECT MATERIAL IN THE REINFORCED ZONE OF TEMPORARY WALLS WITH GEOTEXTILE REINFORCEMENT.
- 4. WALL EMBEDMENT IS NOT REQUIRED FOR TEMPORARY WALLS ON ROCK AS DETERMINED BY THE ENGINEER.
- 5. DO NOT PLACE SHORING BACKFILL OR REINFORCEMENT UNTIL EXCAVATION DIMENSIONS AND FOUNDATION MATERIAL ARE APPROVED.
- 6. CONTACT THE ENGINEER WHEN EXISTING OR FUTURE OBSTRUCTIONS SUCH AS FOUNDATIONS, PAVEMENTS, PIPES, INLETS OR UTILITIES WILL INTERFERE WITH REINFORCEMENT.

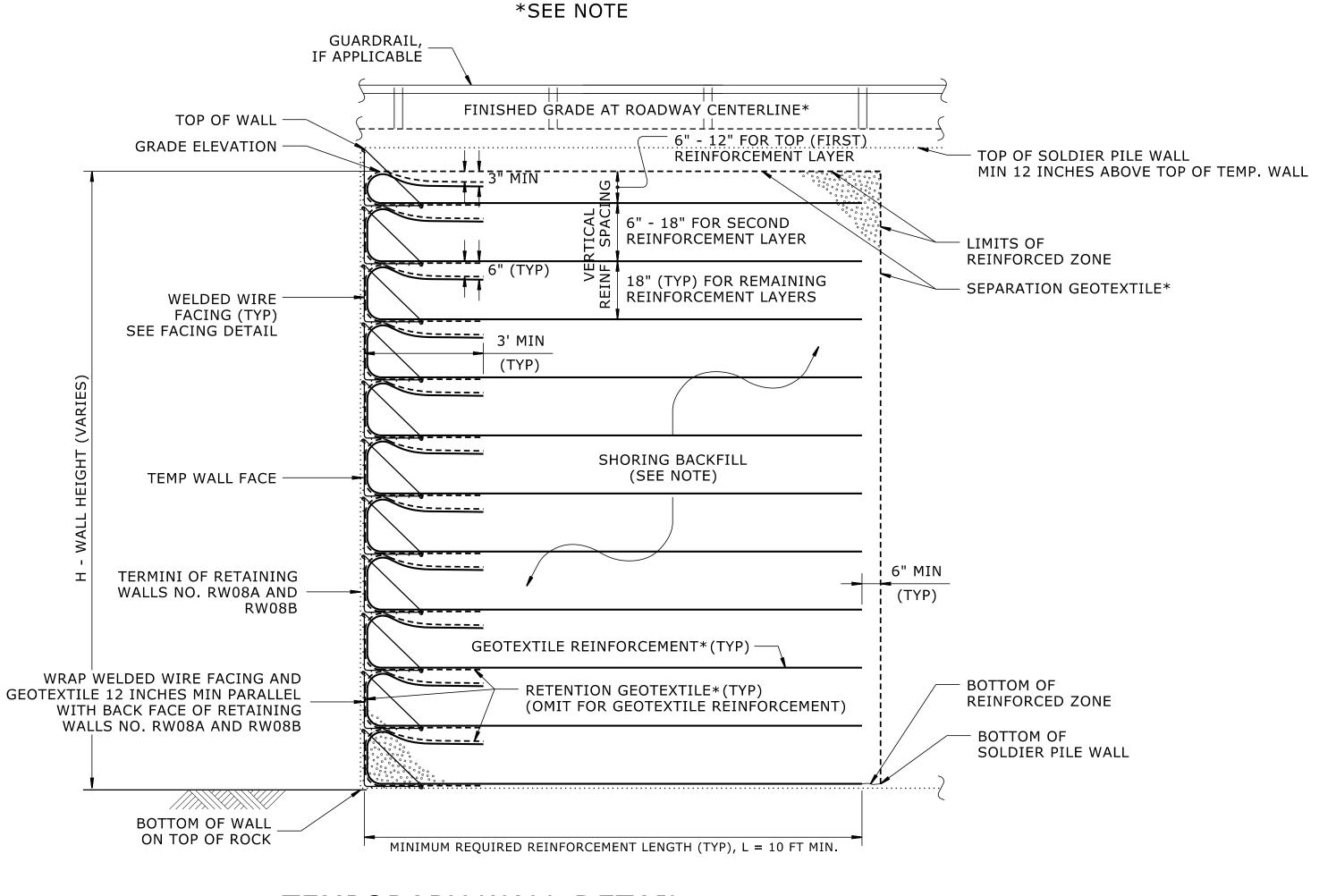
ESTIMATED TEMPORA QUANTITIES	
TEMPORARY WALLS RW08A	200 SQ FT
TEMPORARY WALLS RW08B	300 SQ FT





TEMPORARY WALL GEOTEXTILE PLACEMENT DETAIL

(100% COVERAGE MIN FOR GEOTEXTILE REINFORCEMENT)
PLAN VIEW



TEMPORARY WALL DETAIL

LOOKING AT FACE OF BEGINNING RETAINING WALLS NO. RW08A AND RW08B

W08B PROJECT NO.: DF18314.2045378
HENDERSON COUNTY

(MIRRORED FOR END OF WALL)

*SEE GEOSYNTHETIC PLACEMENT DETAILS

**SEE ROADWAY PLANS FOR FINISHED GRADE

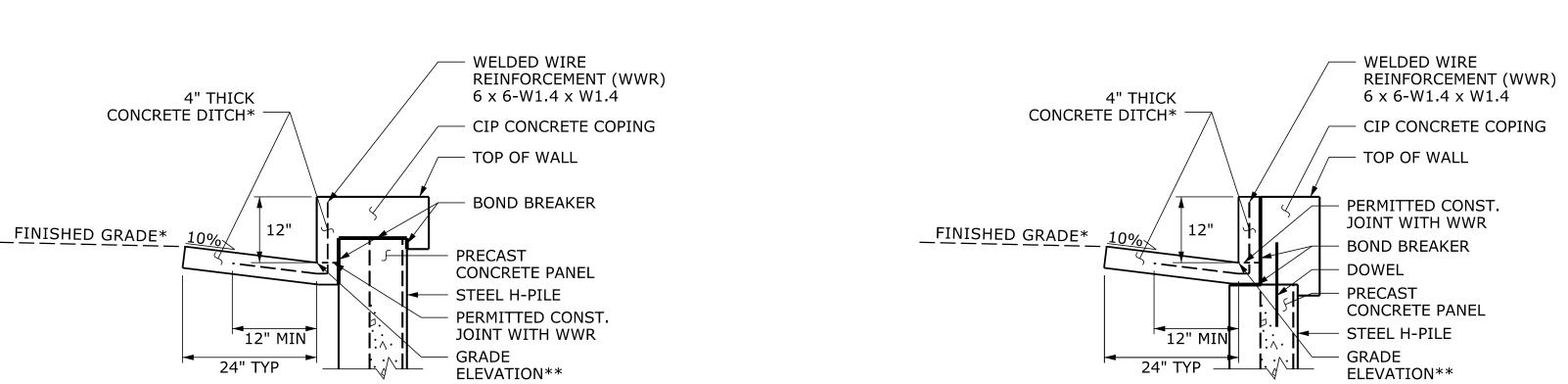
RETAINING WALL RW08A: -RW08A- STA. 10+00.00 TO 10+85.02 RETAINING WALL RW08B: -RW08B- STA. 10+00.00 TO 13+34.28

SHEET 6 OF 7



SITE 8 RETAINING WALLS RW08A AND RW08B SOLDIER PILE RETAINING WALLS

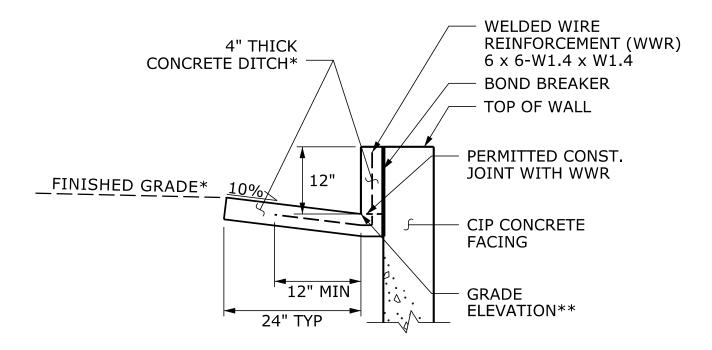
REVISIONS					SHEET
BY	DATE	NO.	BY	DATE	NO.
		3			W-13
		4			VV 15



CONCRETE DITCH BEHIND WALL WITH PRECAST PANEL

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

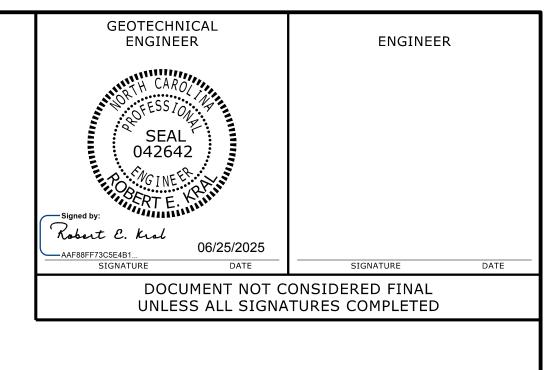
**SEE WALL ENVELOPE FOR GRADE ELEVATIONS.



CONCRETE DITCH BEHIND WALL WITH CONCRETE FACING

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

**SEE WALL ENVELOPE FOR GRADE ELEVATIONS.



TOTAL STRUCTURE QUANTITIES - CONTRACTORS OPTION SHOULDER BUILD-OUT RW08A					
SHOTCRETE	35 CY				
REINFORCING STEEL	7,200 LB				
MICROPILE, AVERAGE LENGTH	75 EA				
MICROPILE, ADDITIONAL LENGTH OVER AVERAGE	0 LF				
MICROPILE PROOF TESTS	4 EA				
GEOCOMPOSITE DRAINS	100 LF				
SOIL NAIL, AVERAGE LENGTH	40 EA				
SOIL NAIL, ADDITIONAL LENGTH OVER AVERAGE	0 LF				
WIRE BASKET FORMS	60 EA				
GEOTEXTILE FOR TEMPORARY WALL	250 SY				
BORROW	95 CY				

TOTAL STRUCTURE QUANTITIES - CONTRACTORS OPTION SHOULDER BUILD-OUT RW08B					
SHOTCRETE	175 CY				
REINFORCING STEEL	29,500 LB				
MICROPILE, AVERAGE LENGTH	255 EA				
MICROPILE, ADDITIONAL LENGTH OVER AVERAGE	0 LF				
MICROPILE PROOF TESTS	13 EA				
GEOCOMPOSITE DRAINS	500 LF				
SOIL NAIL, AVERAGE LENGTH	205 EA				
SOIL NAIL, ADDITIONAL LENGTH OVER AVERAGE	0 LF				
WIRE BASKET FORMS	320 EA				
GEOTEXTILE FOR TEMPORARY WALL	2,000 SY				
BORROW	825 CY				

PROJECT NO.: DF18314.2045378

HENDERSON COUNTY

RETAINING WALL RW08A: -RW08A- STA. 10+00.00 TO 10+85.02 RETAINING WALL RW08B: -RW08B- STA. 10+00.00 TO 13+34.28

SHEET 7 OF 7



(980) 339-8684

SITE 8 RETAINING WALLS RW08A AND RW08B SOLDIER PILE RETAINING WALLS

REVISIONS					SHEET
BY	DATE	NO.	BY	DATE	NO.
		3			W-14
		4			VV 14