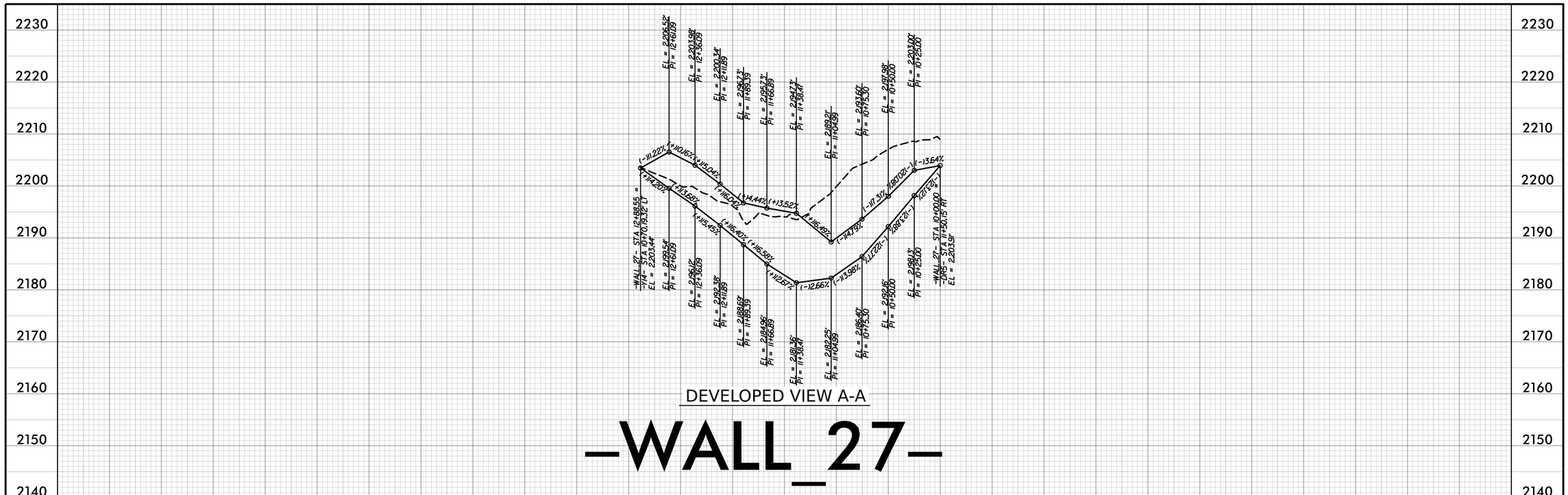


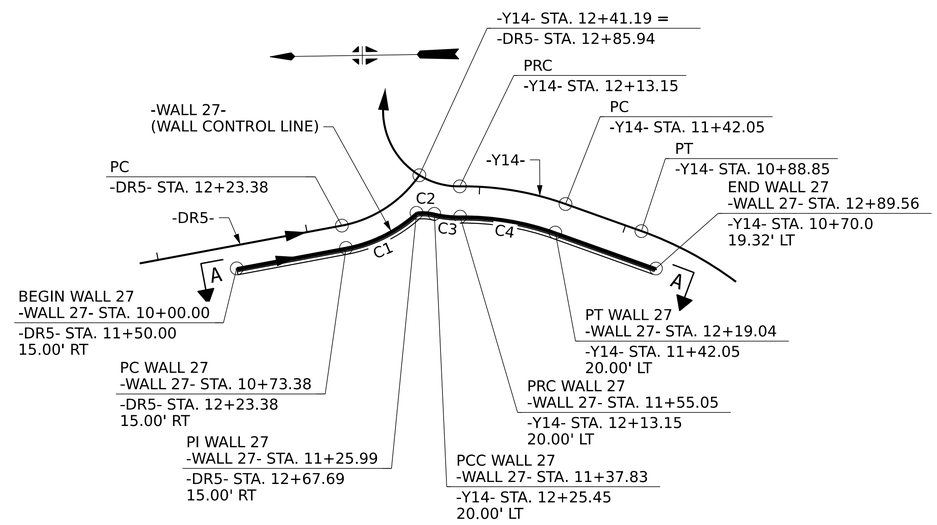


| ESTIMATED SCULPTED SHOTCRETE SURFACE TREATMENT QUANTITIES (SQUARE FEET) | |
|---|---|
| SOIL NAIL WALL NO. 27 | 2,117 SF |

| ESTIMATED SOIL NAIL WALL QUANTITIES | | | |
|---|---|---|---|
| RETAINING WALL NO. | SOIL NAIL RETAINING WALLS (SQUARE FEET) | SOIL NAIL VERIFICATION TESTS | SOIL NAIL PROOF TESTS |
| 27 | 2,117 | 2 | 4 |

NOTE: WALL ENVELOPE SHOWN IS BASED ON APPROXIMATE TOP OF WALL AND BOTTOM OF WALL ELEVATIONS PER ROADWAY PLANS. THE WALL ENVELOPE DEPICTED SHOWS THE APPROXIMATE EXPOSED FACE OF THIS WALL. SEE STRUCTURAL DESIGN PLANS FOR FINAL WALL DESIGN, INCLUDING TOP OF WALL, BOTTOM OF WALL, AND FOOTING ELEVATIONS. WALL STRUCTURAL DESIGN PLANS SHALL BE PROVIDED BY THE CONTRACTOR PER COORDINATION AND DESIGN FROM THE WALL MANUFACTURER AND/OR SUPPLIER.

## PLAN OF WALL 27

HORIZONTAL CURVE DATA - C1
PI STA. 11+00.38
△ = 31° 43' 54.5" (LT)
D = 60° 18' 40.8"
L = 52.61'
T = 27.00'
R = 95.00'

HORIZONTAL CURVE DATA - C2
PI STA. 11+31.99
△ = 22° 36' 19.4" (RT)
D = 190° 59' 09.4"
L = 11.84'
T = 6.00'
R = 30.00'

HORIZONTAL CURVE DATA - C3
PI STA. 11+46.48
△ = 14° 05' 43.1" (LT)
D = 81° 51' 04.0"
L = 17.22'
T = 8.65'
R = 70.00'

HORIZONTAL CURVE DATA - C4
PI STA. 11+87.39
△ = 20° 22' 12.2" (RT)
D = 31° 49' 51.6"
L = 63.99'
T = 32.34'
R = 180.00'

NORTH CAROLINA PROFESSIONAL SEAL 041473 ENGINEER D. SNIDER

NORTH CAROLINA PROFESSIONAL SEAL 030788 ENGINEER RU ZHANG

PROJECT NO. R-5600
JACKSON COUNTY
STATION: 10+00.00 -WALL_27-

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

# WALL 27 ALIGNMENT AND ENVELOPE

| REVISIONS | | | | | | |
|---|---|---|---|---|---|---|
| NO. | BY: | DATE: | NO. | BY: | DATE: | |
| 1 | -- | -- | 3 | -- | -- | |
| 2 | -- | -- | 4 | -- | -- | |

SHEET NO. W-34
TOTAL SHEETS 46

| | | | |
|---|---|---|---|
| DES BY: A. SNIDER | DATE : 02/25 | DWG BY: B. PETERSON | DATE : 02/25 |
| DES CHK: E. BROOKS | DATE : 05/25 | CHK BY: A. SNIDER | DATE : 05/25 |

HDR Engineering, Inc. of the Carolinas
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N.C.B.E.L.S. License Number: F-0116

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