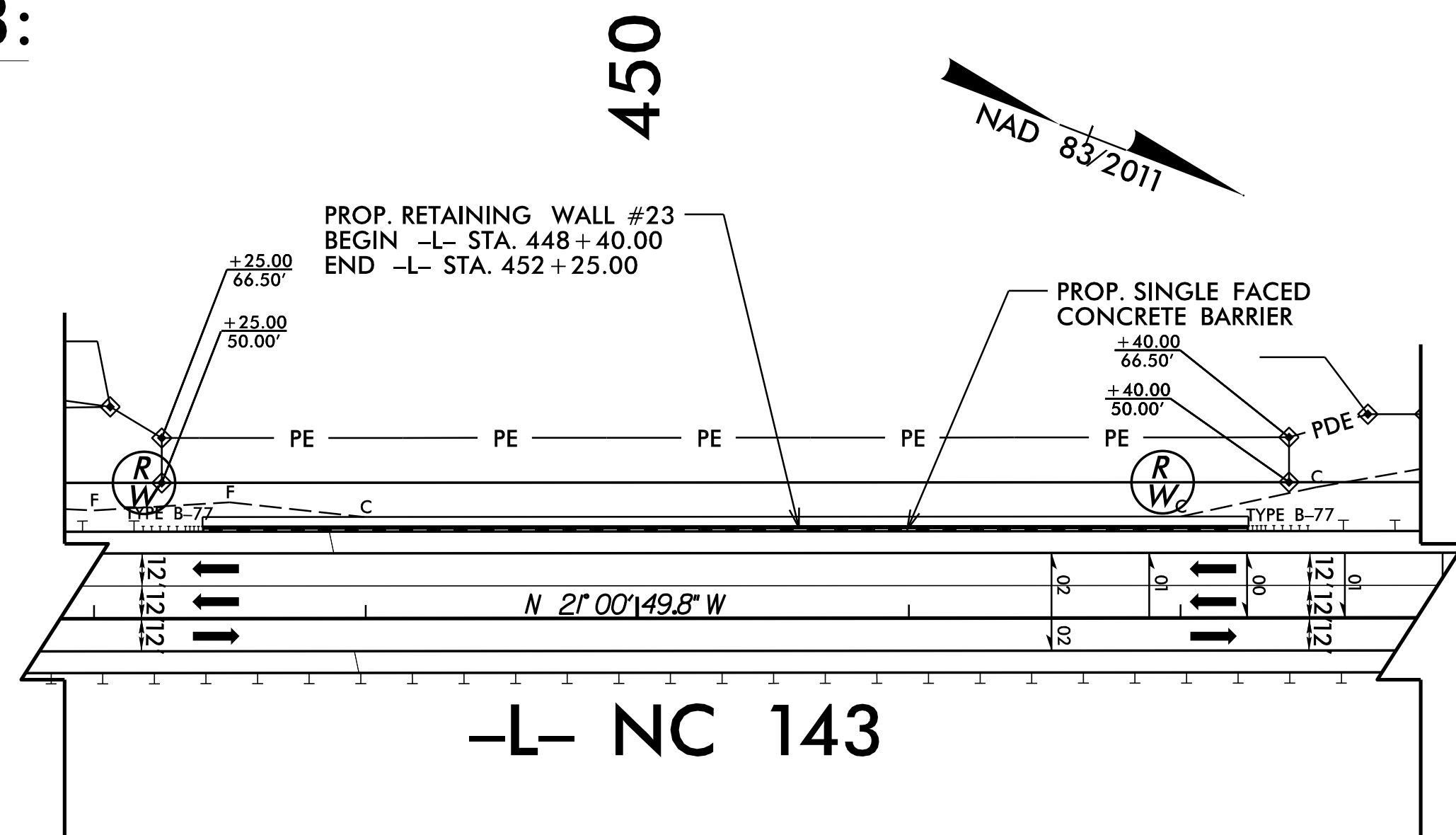
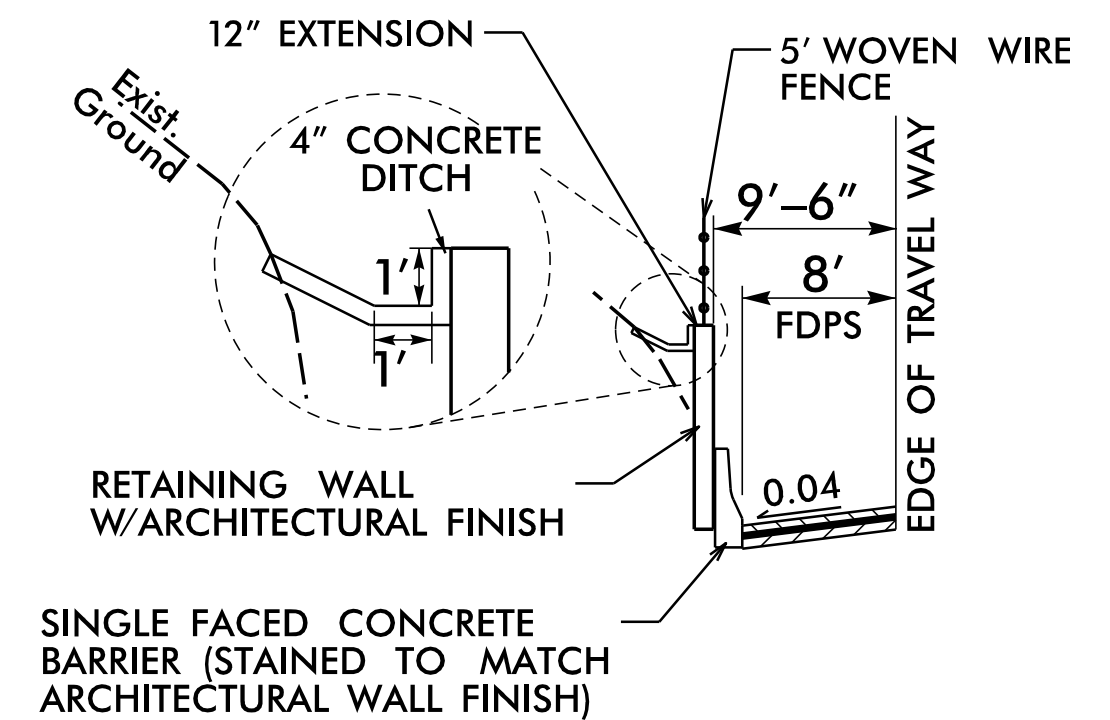


RETAINING WALL #23:



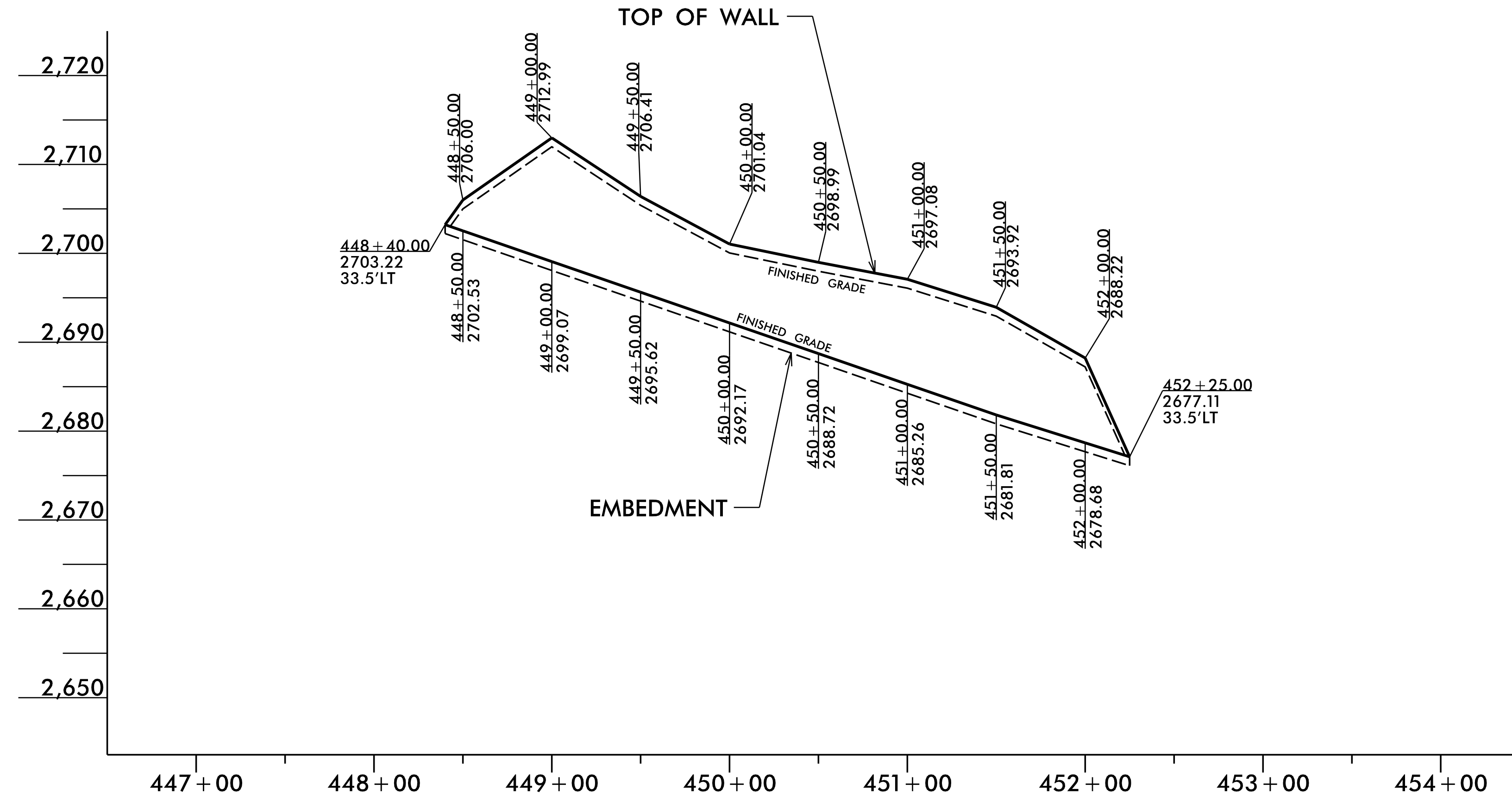
RETAINING WALL #23 - PLAN

NOT TO SCALE



DETAIL FOR WALL #23

NOT TO SCALE
-L- STA. 448+40.00 TO -L- STA. 452+25.00, LT



RETAINING WALL #23 - ENVELOPE

NOT TO SCALE
(LOOKING AT FACE OF WALL)

| RETAINING WALL NO. | SOIL NAIL RETAINING WALLS (SQUARE FEET) | SOIL NAIL VERIFICATION TESTS | SOIL NAIL PROOF TESTS |
|---------------------------------|---|------------------------------|-----------------------|
| 23 | 4,240* | 3 | 10 |
| FORM LINER ARCHITECTURAL FINISH | | | 4,240* SF |
| HORIZONTAL DRAINS (CONTINGENCY) | | | 195 LF |

*INCLUDES RETAINING WALL EMBEDMENT

| STA. -L- | OFFSET FROM -L- (LT) FT. | ELEV. @ TOP OF WALL | BOW FINISHED GRADE | TOP OF LEVELING PAD | ESTIMATED WALL EMBEDMENT FT. | WALL DESIGN HEIGHT "H" |
|-----------|--------------------------|---------------------|--------------------|---------------------|------------------------------|------------------------|
| 448+40.00 | 33.50 | 2703.22 | 2703.22 | 2702.22 | 1.00 | 1.00 |
| 448+50.00 | 33.50 | 2706.00 | 2702.53 | 2701.53 | 1.00 | 3.47 |
| 449+00.00 | 33.50 | 2712.99 | 2699.07 | 2698.07 | 1.00 | 13.92 |
| 449+50.00 | 33.50 | 2706.41 | 2695.62 | 2694.62 | 1.00 | 10.79 |
| 450+00.00 | 33.50 | 2701.04 | 2692.17 | 2691.17 | 1.00 | 8.87 |
| 450+50.00 | 33.50 | 2698.99 | 2688.72 | 2687.72 | 1.00 | 10.27 |
| 451+00.00 | 33.50 | 2697.08 | 2685.26 | 2684.26 | 1.00 | 11.82 |
| 451+50.00 | 33.50 | 2693.92 | 2681.81 | 2680.81 | 1.00 | 12.11 |
| 452+00.00 | 33.50 | 2688.22 | 2678.68 | 2677.68 | 1.00 | 9.54 |
| 452+25.00 | 33.50 | 2677.11 | 2677.11 | 2676.11 | 1.00 | 1.00 |

BOW = BOTTOM OF WALL
ALL MEASUREMENTS ARE IN FEET

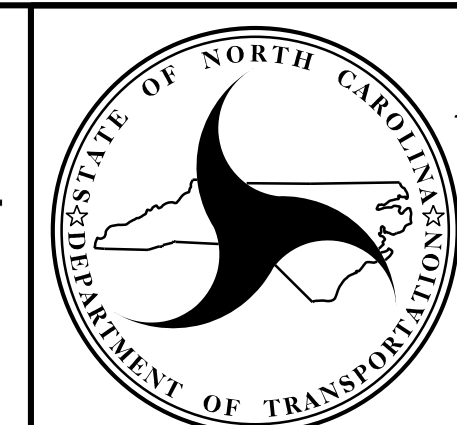
PROJECT NO.: A-0009CC

GRAHAM COUNTY
RETAINING WALL #23: -L- 448+40, 34' LT TO 452+25, 34' LT

SHEET 1 OF 3

PREPARED BY: R. KRAL
REVIEWED BY: M. BREWER
DATE: 7/9/2022
DATE: 7/9/2022
RETAINING WALL #23 ENVELOPE AND WALL LAYOUT PROVIDED BY TGS ENGINEERS, INC.

Prepared in the Office of:
CGE CAROLINAS GEOTECHNICAL GROUP
2400 CROWNPOINT EXECUTIVE DRIVE
SUITE 800
CHARLOTTE, NC 28227
(980) 339-8684



NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
GEOTECHNICAL ENGINEERING UNIT

RETAINING WALL #23 SOIL NAIL RETAINING WALL

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

SHEET NO. W23-1