

SOIL NAIL WALL - TYPICAL SECTION

**SEE CONCRETE DITCH BEHIND WALL DETAILS.

**SEE PLANS FOR FINISHED GRADE OR END BENT SLOPE DETAILS.

6"MIN

NO.57 STONE -

- AGGREGATE SHOULDER DRAIN IN ACCORDANCE WITH ROADWAY

STANDARD DRAWING NO. 816.02

PREPARED BY: MHS

DATE: 5/12/16

REVIEWED BY: SCC

DATE: 5/12/16

PROJECT REFERENCE NO. SHEET NO. 34605.1.2(R-4060) GEOTECHNICAL ENGINEER SEAL 028893 O28893 MC | NE H. Stephen C447682092314CC... 5/13/2016 SIGNATURE DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NOTES:

FOR SOIL NAIL RETAINING WALLS, SEE SOIL NAIL RETAINING WALLS PROVISION.

FOR SINGLE FACED PRECAST CONCRETE BARRIER, SEE ROADWAY PLANS AND SECTION 857 OF THE STANDARD SPECIFICATIONS.

A FENCE OR HANDRAIL IS REQUIRED ON TOP OF RETAINING WALL NOS.1,2,AND 4. SEE ROADWAY PLANS FOR FENCE OR HANDRAIL ATTACHMENT DETAILS.

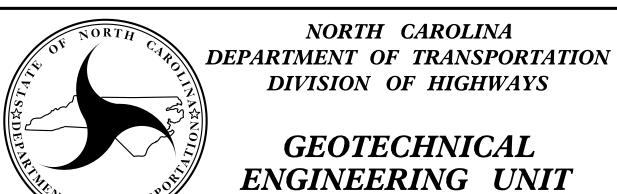
AN ASHLAR ARCHITECTURAL FINISH IS REQUIRED FOR THE CAST-IN-PLACE REINFORCED CONCRETE FACE FOR RETAINING WALL NOS.1,2, AND 4. SEE SOIL NAIL WALL SPECIAL PROVISION.

BEFORE BEGINNING SOIL NAIL WALL DESIGN FOR RETAINING WALL NOS.1,2,AND 4,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 WALL NOS.1, 2, AND 4 FOR THE FOLLOWING: 1) H = DESIGN HEIGHT + EMBEDMENT 2) DESIGN LIFE = 100 YEARS 3) MINIMUM EMBEDMENT ELEVATION = 1 FT 4) IN-SITU ASSUMED MATERIAL PARAMETERS: UNIT WEIGHT, γ = 120 LB/CF FRICTION ANGLE, ϕ = 30 DEGREES COHESION, c = 0 LB/SF

DESIGN RETAINING WALL NO. 4 FOR A LIVE LOAD (TRAFFIC) SURCHARGE.

EXISTING OR FUTURE OBSTRUCTIONS SUCH AS FOUNDATIONS, GUARDRAIL, FENCE OR HANDRAIL POSTS, PAVEMENTS, PIPES, INLETS OR UTILITIES MAY INTERFERE WITH SOIL NAILS FOR RETAINING WALL NOS. 1, 2, AND 4.



RETAINING WALL NOS. 1, 2, AND 4
SOIL NAIL WALL

 REVISIONS

 NO.
 BY
 DATE
 NO.
 BY
 DATE

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