



UNLESS ALL SIGNATURES COMPLETED

RETAINING WALL #28 & RETAINING WALL #29 9' WOVEN WIRE WILDLIFE FENCE BOTTOM OF SOIL NAIL WALL / SMSE WALL EMBEDMENT 0.075 0.075 BEARING ZONE OF INFLUENCE LINE 1.5:1 (OR FLATTER) FRONT SLOPE WITH 4 FT BENCH (MIN) WITH COIR FIBER MATTING GEOTEXTILE FOR SOIL STABILIZATION -COLLUVIAL -EXISTING **GROUND** -RESIDUAL -SOIL NAIL SHORING FOR COLLUVIAL UNDERCUT EXCAVATION -BOTTOM OF UNDERCUT EXCAVATION

UNDERCUT EXCAVATION - TYPICAL SECTION - RETAINING WALL #28 & #29

NOT TO SCALE

RETAINING WALL # 28: STA. 388+62.19 -L- TO STA. 392+43.73 -L- & RETAINING WALL #29: STA. 393+53.88 -L- TO STA. 395+90.00 -L-

NAIL HEAD -- EPOXY COATED OR ENCAPSULATED STEEL BAR (TYP) SHOTCRETE TEMPORARY FACING 4"MIN (TYP) --- GROUT (TYP) BAR CENTRALIZER (TYP) - DRAIN STRIPS SPACED ON 10'CENTERS, MAX TIE EXISTING HORIZONTAL DRAINS INTO DRAINAGE STRIPS AS NEEDED 6″MIN (TYP)—✓ BOTTOM OF SOIL— NAIL SHORING - EXTEND DRAIN STRIPS TO SHOULDER DRAINS AGGREGATE SHOULDER DRAIN
IN ACCORDANCE WITH ROADWAY STANDARD DRAWING NO. 816.02 SOIL NAIL SHORING - TYPICAL SECTION

NOT TO SCALE

PROJECT NO.: A-0009CB

GRAHAM COUNTY

RETAINING WALL #28 STATION: -L-389+25, 47' RT TO 392+00, 39' RT RETAINING WALL #29 STATION: -L- 393+90, 40' RT TO 395+90, 37' RT

SHEET 10 OF 10

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

RETAINING WALL #28 AND #29 SOIL NAIL SHORING FOR UNDERCUT EXCAVATION

REVISIONS DATE NO. DATE NO. 3

DATE: 7/14/2022 PREPARED BY: DMB REVIEWED BY: REK DATE: 7/14/2022