

NOTES: EOR SOIL NAIL RETAINING EOR STEEL BEAM GUARDRAIN FOR SINGLE FACED PRECAST Ā CONCRETE BARRIER RAIL PLANS FOR CONCRETE BARR Ā FENCE OR HANDRAIL IS F FENCE OR HANDRAIL ATTACH Ā ARCHITECTU FACE FOR RETAINING WALL Ā BRICK VENEER IS REQUIR ĀPPROVAL BEFORE BEGINNIM BEFORE BEGINNING SOIL NA AND SUBMIT A REVISED WA DESIGN OR CONSTRUCTION N

 DESIGN RETAINING WALL NO

 DH = DESIGN HEIGHT + EME

 20 DESIGN LIFE = 75 or 100

 3) MINIMUM EMBEDMENT ELEV

 4) IN-SITU ASSUMED MATERI

 - FRICTION ANGLE, φ =

 - COHESION, c = ____LE

 5) IN-SITU ASSUMED MATERI

 - UNIT WEIGHT, γ =

 - COHESION, c = ___LE

 5) IN-SITU ASSUMED MATERI

 - UNIT WEIGHT, γ =

 - ERICIION ANGLE, φ =

 - ERICIION ANGLE, φ =

 - ERICIION ANGLE, φ =

 - COHESION, c = ____LE

THE MINIMUM EMBEDMENT E DESIGN RETAINING WALL N

DESIGN RETAINING WALL N

DESIGN RETAINING WALL N LOCATION AND ELEVATION

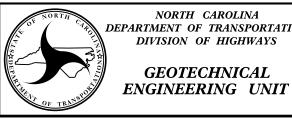
EOUNDATIONS FOR <u>SIGNS, L</u> AND <u>WILL or MAY</u> INTERFE FOR THESE FOUNDATIONS W

EXISTING OR FUTURE OBST PAVEMENTS, PIPES, INLETS RETAINING WALL NO. .

EOUNDATIONS FOR END BEN SOIL NAILS FOR RETAINING LOCATIONS.

DESIGN RETAINING WALL NO APPLIED AS A FACTORED UN REINFORCED CONCRETE FACE

TEMPORARY SHORING IS or THE TEMPORARY SHORING P



WALLS, SEE SOIL NAIL RETAINING WALLS PROVISION.
L, SEE ROADWAY PLANS AND SECTION 862 OF THE STANDARD
T CONCRETE BARRIER, SEE ROADWAY PLANS AND SECTION 857 OF THE \cdot
WITH MOMENT SLAB IS REQUIRED ABOVE RETAINING WALL NO SEE IER RAIL WITH MOMENT SLAB DETAILS.
REQUIRED ON TOP OF RETAINING WALL NO., SEE ROADWAY PLANS FOR HMENT DETAILS.
WAL FINISH IS REQUIRED FOR THE CAST-IN-PLACE REINFORCED CONCRETE NO. $\underline{\cdot}$
RED FOR RETAINING WALL NO. AS SHOWN. SUBMIT BRICK SAMPLES FOR NG SOIL NAIL WALL CONSTRUCTION.
AIL WALL DESIGN FOR RETAINING WALL NO. ,SURVEY WALL LOCATION LL PROFILE VIEW (WALL ENVELOPE)FOR REVIEW. DO NOT START WALL UNTIL THE REVISED WALL ENVELOPE IS ACCEPTED.
0. FOR THE FOLLOWING: BEDMENT Q YEARS VATION = FT IAL PARAMETERS <u>ABOVE ELEVATION FI</u> : B/CF =DEGREES B/SF IAL <u>PARAMEIERS BELOW ELEVATION FI</u> : LB/CF =DEGREES B/SF LB/CE B/CF =DEGREES B/SF
LEVATION FOR RETAINING WALL NO. INCLUDES EMBEDMENT FOR SCOUR.
O. FOR A LIVE LOAD (TRAFFIC) SURCHARGE.
O. FOR THE <u>POINT, LINE or STRIP</u> SURCHARGE LOAD SHOWN.
O. FOR A PIPE EXTENDING THROUGH THE WALL AS SHOWN. VERIFY PIPE BEFORE BEGINNING SOIL NAIL WALL DESIGN OR CONSTRUCTION.
<u>IGHTING or SIGNALS</u> WILL BE LOCATED BEHIND RETAINING WALL NO. <u></u> RE WITH SOIL NAILS. SUBMIT PROPOSED CONSTRUCTION METHODS ITH THE SOIL NAIL WALL CONSTRUCTION PLAN.
RUCTIONS SUCH AS FOUNDATIONS,GUARDRAIL,FENCE OR HANDRAIL POSTS, OR UTILITIES <u>WILL or May</u> INTERFERE WITH SOIL NAILS FOR
T NO. LOCATED AT STATION <u>WILL or May</u> INTERFERE WITH G WALL NO SEE "FOUNDATION LAYOUT" SHEET FOR FOUNDATION
O FOR A LATERAL LOAD FROM FOUNDATIONS LOCATED BEHIND THE WALL NIFORM PRESSURE OF LB/SF TO THE BACK OF THE CAST-IN-PLACE
<u>- May be</u> required for retaining wall no. in accordance with rovision. See <u>roadway, siruciure or traffic conirol</u> plans.

PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

STD CELL Wall_SoilNail

SOIL NAIL WALL WITH OR WITHOUT BACK SLOPE -**TYPICAL & NOTES**

DATE: 5-16-17