

NOTES:

FOR ANCHORED RETAINING WALLS, SEE ANCHORED RETAINING WALLS PROVISION.

FOR STEEL BEAM GUARDRAIL, SEE ROADWAY PLANS AND SECTION 862 OF THE STANDARD SPECIFICATIONS.

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

A CONCRETE BARRIER RAIL WITH MOMENT SLAB IS REQUIRED ABOVE RETAINING WALL NO. . SEE PLANS FOR CONCRETE BARRIER RAIL WITH MOMENT SLAB DETAILS.

A FENCE OR HANDRAIL IS REQUIRED ON TOP OF RETAINING WALL NO. . SEE ROADWAY PLANS FOR FENCE OR HANDRAIL ATTACHMENT DETAILS.

AT THE CONTRACTOR'S OPTION, USE DRIVEN H-PILES FOR RETAINING WALL NO. .

A _____ ARCHITECTURAL FINISH IS REQUIRED FOR THE CAST-IN-PLACE REINFORCED CONCRETE FACE FOR RETAINING WALL NO. .

A BRICK VENEER IS REQUIRED FOR RETAINING WALL NO. AS SHOWN. SUBMIT BRICK SAMPLES FOR APPROVAL BEFORE BEGINNING ANCHORED WALL CONSTRUCTION.

BEFORE BEGINNING ANCHORED WALL DESIGN FOR RETAINING WALL NO. , 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 NO. FOR THE FOLLOWING:

- 1) H = DESIGN HEIGHT + WALL EMBEDMENT
- 2) DESIGN LIFE = 75 or 100 YEARS
- 3) MINIMUM WALL EMBEDMENT ELEVATION = ____ FT
- 4) MINIMUM PILE PENETRATION INTO ROCK = ____ FT
- 5) IN-SITU ASSUMED MATERIAL PARAMETERS ABOVE ELEVATION ____ FI:
 - UNIT WEIGHT, γ = ____ LB/CF
 - FRICTION ANGLE, ϕ = ____ DEGREES
 - COHESION, c = ____ LB/SF
- 6) IN-SITU ASSUMED MATERIAL PARAMETERS BELOW ELEVATION ____ FI:
 - UNIT WEIGHT, γ = ____ LB/CF
 - FRICTION ANGLE, ϕ = ____ DEGREES
 - COHESION, c = ____ LB/SF
- 7) IN-SITU ASSUMED MATERIAL PARAMETERS BELOW ELEVATION ____ FI:
 - ROCK MASS SHEAR STRENGTH, S_m = ____ LB/SF

THE MINIMUM WALL EMBEDMENT ELEVATION FOR RETAINING WALL NO. INCLUDES EMBEDMENT FOR SCOUR.

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

DESIGN RETAINING WALL NO. FOR THE POINT, LINE or STRIP SURCHARGE LOAD SHOWN.

DESIGN RETAINING WALL NO. FOR A PIPE EXTENDING UNDER OR THROUGH THE WALL AS SHOWN. VERIFY PIPE LOCATION AND ELEVATION BEFORE BEGINNING ANCHORED WALL DESIGN OR CONSTRUCTION.

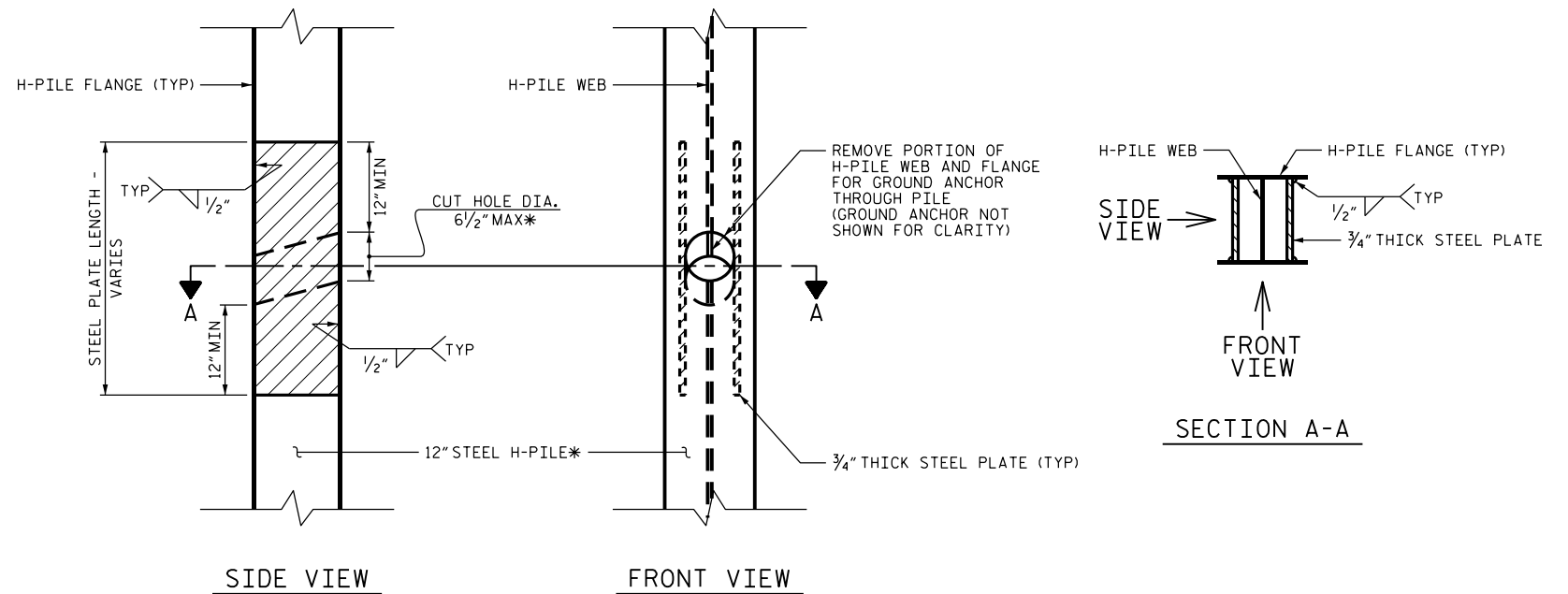
FOUNDATIONS FOR SIGNS, LIGHTING or SIGNALS WILL BE LOCATED BEHIND RETAINING WALL NO. AND WILL or MAY INTERFERE WITH GROUND ANCHORS. SUBMIT PROPOSED CONSTRUCTION METHODS FOR THESE FOUNDATIONS WITH THE ANCHORED WALL CONSTRUCTION PLAN.

EXISTING OR FUTURE OBSTRUCTIONS SUCH AS FOUNDATIONS, GUARDRAIL, FENCE OR HANDRAIL POSTS, PAVEMENTS, PIPES, INLETS OR UTILITIES WILL or MAY INTERFERE WITH GROUND ANCHORS FOR RETAINING WALL NO. .

FOUNDATIONS FOR END BENT NO. LOCATED AT STATION _____ WILL or MAY INTERFERE WITH GROUND ANCHORS FOR RETAINING WALL NO. . SEE "FOUNDATION LAYOUT" SHEET FOR FOUNDATION LOCATIONS.

DESIGN RETAINING WALL NO. FOR A LATERAL LOAD FROM FOUNDATIONS LOCATED BEHIND THE WALL APPLIED AS A FACTORED UNIFORM PRESSURE OF ____ LB/SF TO THE BACK OF THE CAST-IN-PLACE REINFORCED CONCRETE FACE.


"TEMPORARY SHORING" IS or MAY BE REQUIRED FOR RETAINING WALL NO. . IN ACCORDANCE WITH THE TEMPORARY SHORING PROVISION. SEE ROADWAY, STRUCTURE or TRAFFIC CONTROL PLANS.



REINFORCED WEB DETAILS

*DETAILS SHOWN ARE FOR 12" H-PILES WITH 6" DIA. GROUND ANCHORS. FOR DIFFERENT DIAMETER ANCHORS, SUBMIT ALTERNATE REINFORCED WEB DETAILS FOR ACCEPTANCE.

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION



 NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

**GEOTECHNICAL
 ENGINEERING UNIT**

STD CELL Wall_Anchored_Notes_ReinforcedWeb

**ANCHORED WALL -
 NOTES &
 REINFORCED WEB DETAILS**

DATE: 3-17-15