

## SOLDIER PILE WALL WITH PRECAST PANEL - TYPICAL SECTIONS

AT THE CONTRACTOR'S OPTION, CONNECT COPING TO PANELS WITH DOWELS OR EXTEND COPING DOWN BACK OF PANELS AND PILES.

\*\*SEE CONCRETE DITCH BEHIND WALL DETAILS.

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

## NOTES

FOR SOLDIER PILE RETAINING WALLS, SEE SOLDIER PILE RETAINING WALLS PROVISION.

 $\bar{\mathsf{F}}$ OR STEEL BEAM GUARDRAIL, SEE ROADWAY PLANS AND SECTION 862 OF THE STANDARD SPECIFICATIONS.

 $\bar{\text{FOR}}$  SINGLE FACED PRECAST CONCRETE BARRIER, SEE ROADWAY PLANS AND SECTION 857 OF THE  $\bar{\text{STANDARD}}$  SPECIFICATIONS.

 $\bar{\mathtt{A}}$  Concrete barrier rail with moment slab is required above retaining wall no., see plans for concrete barrier rail with moment slab details.

 $\bar{\mathtt{A}}$  FENCE OR HANDRAIL IS REQUIRED ON TOP OF RETAINING WALL NO.. SEE ROADWAY PLANS FOR EENCE OR HANDRAIL ATTACHMENT DETAILS.

 $\bar{\mathbb{D}}$ RILLED-IN H-PILES ARE REQUIRED FOR RETAINING WALL NO. .

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

 $\bar{\textbf{U}}\text{SSE}$  A SOLDIER PILE RETAINING WALL WITH PRECAST CONCRETE PANELS THAT MEET SECTION 1077 OF THE STANDARD SPECIFICATIONS FOR RETAINING WALL NO. .

 $\bar{\text{A}}\textsc{n}$  exposed aggregate finish that meets article 1077-12 of the standard specifications is becuired for precast concrete panels for retaining wall no. .

 $ar{ ilde{P}}$ AINT GALVANIZED H-PILES <u>GRAY or BLACK</u> IN ACCORDANCE WITH ARTICLE 442-12 OF THE STANDARD SPECIFICATIONS FOR RETAINING WALL NO. .

 $\bar{\text{USE}}$  A SOLDIER PILE RETAINING WALL WITH A CAST-IN-PLACE REINFORCED CONCRETE FACE FOR RETAINING WALL NO. .

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

 $\bar{\mathtt{A}}$  brick veneer is required for retaining wall no. As shown, submit brick samples for approval before beginning soldier pile wall construction.

BEFORE BEGINNING SOLDIER PILE 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.

 $\overline{\text{THE}}$  MINIMUM WALL EMBEDMENT ELEVATION FOR RETAINING WALL NO.  $\underline{\text{INCLUDES}}$  EMBEDMENT FOR SCOUR.

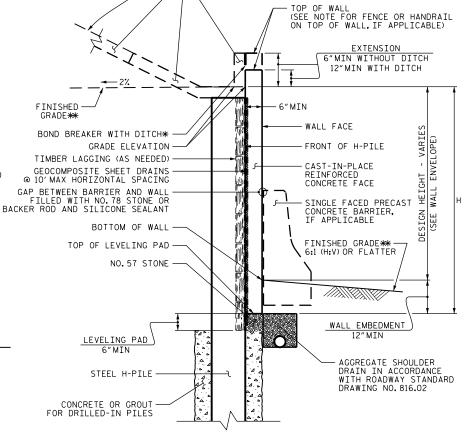
DESIGN RETAINING WALL NO. FOR A LIVE LOAD (TRAFFIC) SURCHARGE.

 $\bar{\underline{\textbf{D}}}\textsc{ESIGN}$  retaining wall no. For the  $\underline{\textbf{POINI,LINE}}$  or  $\underline{\textbf{SIRIP}}$  surcharge load shown.

 $\bar{\mathbb{D}}\textsc{esign}$  retaining wall no. For a pipe extending under or through the wall as shown. Verify pipe location and elevation before beginning soldier pile wall design or construction.

 $\bar{\mathsf{A}}\mathsf{T}$  THE CONTRACTOR'S OPTION,USE A TEMPORARY SLOPE INSTEAD OF TEMPORARY SUPPORT OF EXCAVATIONS FOR RETAINING WALL NO. .

TEMPORARY SHORING IS <u>or May be</u> required for retaining wall no. In accordance with the temporary shoring provision, see <u>ROADWAY, SIRUCTURE or TRAFFIC CONTROL</u> PLANS.



CONCRETE DITCH AND IF APPLICABLE, CONCRETE SLOPE PROTECTION\*

## SOLDIER PILE WALL WITH CAST-IN-PLACE FACE - TYPICAL SECTION

#SEE CONCRETE DITCH BEHIND WALL DETAILS.

₩HSEE PLANS FOR FINISHED GRADE OR END BENT SLOPE DETAILS.

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION



NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

FINISHED GRADE OR -END BENT SLOPE\*\*

GEOTECHNICAL ENGINEERING UNIT STD CELL Wall\_SoldierPile

SOLDIER PILE WALL WITH OR WITHOUT BACK SLOPE -TYPICALS & NOTES

DATE: 5-16-17