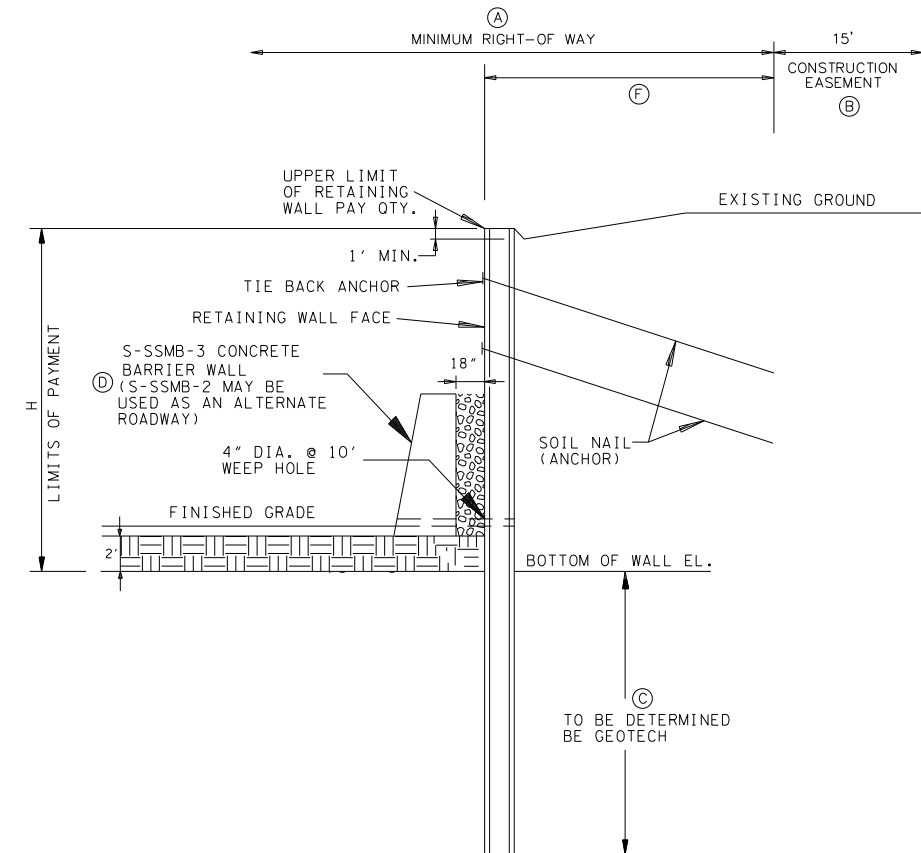


SOLDIER PILE WALL
TYPICAL SECTION IN CUT
(NOT APPLICABLE FOR FILL SECTION)



SOIL ANCHORED WALL
TYPICAL SECTION IN CUT
(NOT APPLICABLE FOR FILL SECTION)

NOTE: THIS IS NOT A STRUCTURAL
DESIGN DRAWING. IT IS A
GUIDE FOR THE ROADWAY
DESIGNER.

GENERAL NOTES

- THE PURPOSE OF THIS DRAWING IS TO ILLUSTRATE TO THE ROADWAY DESIGNER THE RIGHT-OF-WAY, SAFETY AND DRAINAGE REQUIREMENTS ASSOCIATED WITH RETAINING WALLS.
- (A) THE ENTIRE WALL MUST BE BUILT WITHIN THE RIGHT-OF-WAY, INCLUDING SOIL ANCHORS AND/OR ROCK ANCHORS, IF USED.
 - (B) A MINIMUM OF 15' CONSTRUCTION EASEMENT REQUIRED BEHIND WALL AND ANCHORS, IF USED.
 - (C) DESIGNER TO CALCULATE S.F. OF WALL BASED ON TOP OF PILE DOWN TO 2' BELOW FINISHED GRADE. DISTANCE NEEDED BELOW FINISHED GRADE TO BE DETERMINED BY GEOTECH. COSTS FOR LENGTH BELOW 2' TO BE INCLUDED IN PRICE BID FOR RETAINING WALL.
 - (D) IF WALL IS WITHIN CLEAR ZONE OF ROADWAY, PLACE CONCRETE BARRIER WALL PER (S-SSMB-3).
 - (E) BEGINNING AND END OF WALLS SHOULD BE PLACED OUTSIDE THE CLEAR ZONE. IF THIS OPTION IS NOT FEASIBLE, USE A TL-3 END TERMINAL OR CRASH CUSHION, ATTACHED TO CONCRETE BARRIER WALL. DO NOT ATTACH IT TO THE WALL ITSELF.
 - (F) AS THE LENGTH OF THE SOIL ANCHOR CAN VARY DRAMATICALLY, DEPENDING ON EXISTING SOIL CONDITIONS, THE GEOTECH ENGINEER SHALL DETERMINE AND SUPPLY THE REQUIRED LENGTH TO THE DESIGNER, IF THIS TYPE OF WALL IS TO BE USED.

WALL TYPES

STEEL PILES WITH WOOD LAGGING
STEEL PILES WITH CONCRETE LAGGING
CONCRETE WITH WOOD LAGGING
CONCRETE WITH CONCRETE LAGGING

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ROADWAY FEATURES
AT SOLDIER PILE
AND SOIL ANCHORED
RETAINING WALLS

8-15-15 W-SP-1