STATIONARY ARMOR TARGET EMPLACEMENT

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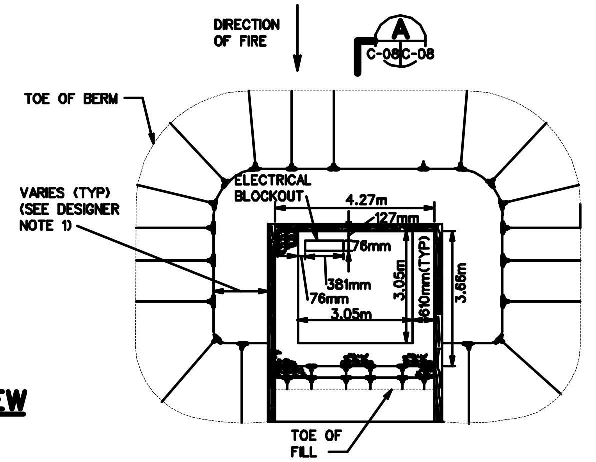

PLAN VIEW

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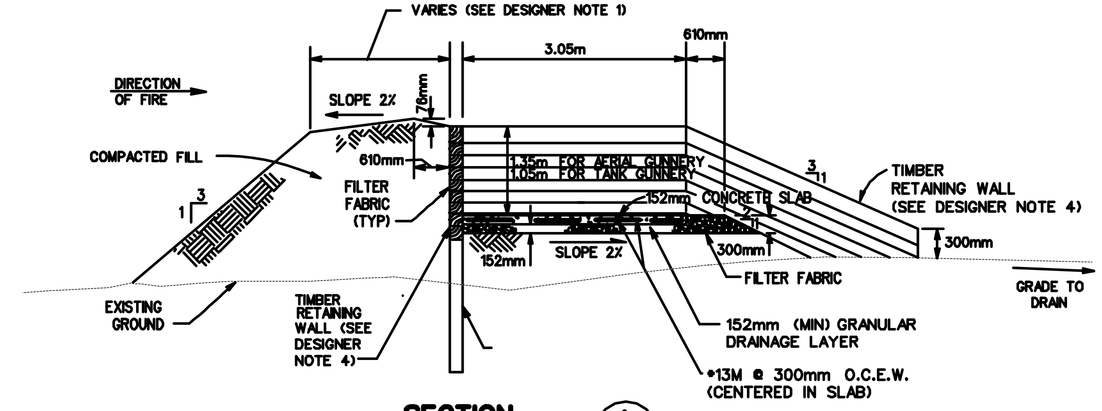

SECTION A

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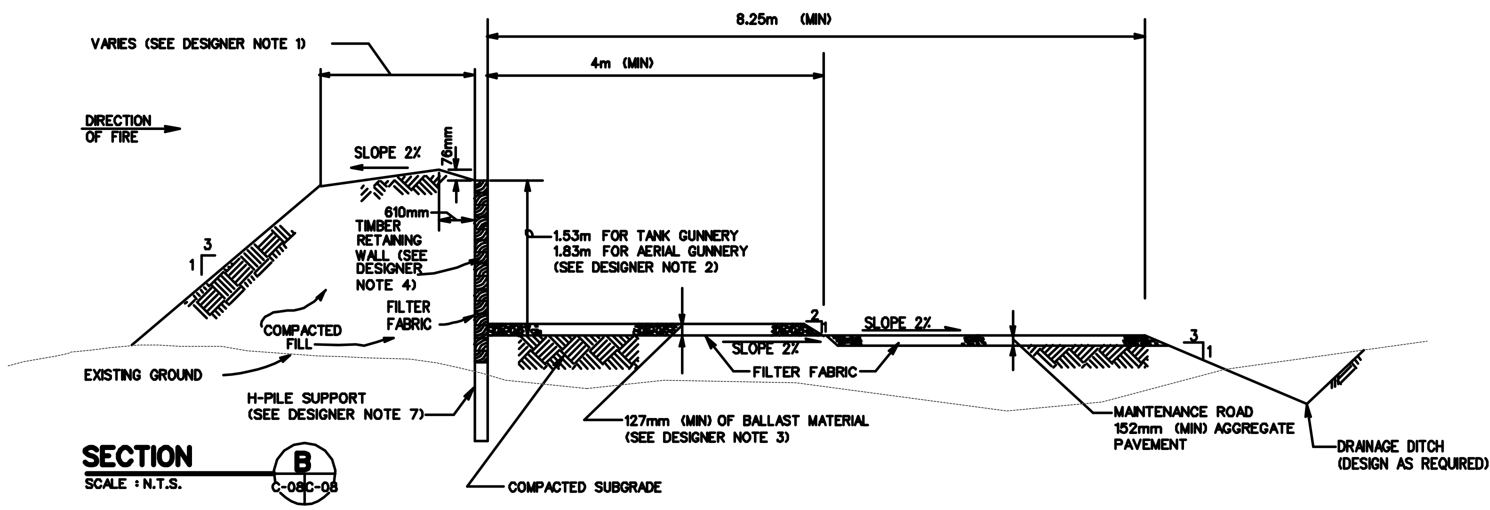
GENERAL NOTES:

1. CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 28 MPa IN 28 DAYS.
2. ALL REINFORCING STEEL SHALL BE PER ASTM A615, GRADE 60.
3. RETAINING WALLS SHALL BE CONSTRUCTED OF TREATED TIMBERS OR RAILROAD TIES . FILTER FABRIC SHALL BE INSTALLED BEHIND ALL WOOD RETAINING WALLS. FABRIC SHALL EXTEND THE FULL HEIGHT OF THE WALL.
4. AREAS DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE REVEGETATED OR RESURFACED CONSISTENT WITH THE NATURAL SURROUNDINGS. GROUND COVER SHALL NOT REDUCE TARGET VISIBILITY.
5. ELECTRICAL TRANSFORMER PAD SIZE SHALL BE OBTAINED FROM ELECTRICAL CONTRACTOR.
6. SLOPE WALL AT A 3:1 SLOPE TO A POINT 300mm ABOVE THE EXISTING GRADE.

NOTES TO DESIGNER:

1. REFER TO THE BERM THICKNESS FIGURES LOCATED IN THE DESIGN MANUAL TO DETERMINE THE REQUIRED BERM THICKNESS.
2. THE HEIGHT OF THE AMTC BERM IS MEASURED FROM THE TOP OF SUBGRADE,OR FILTER LAYER (IF REQUIRED). THIS DIMENSION MUST BE MAINTAINED.
3. BALLAST SHALL CONFORM TO AMERICAN RAILWAY ENGINEERING ASSOCIATION (AREA) REQUIREMENTS FOR # 57 BALLAST. THE CONSTRUCTION CONTRACTOR SHALL INSTALL THE 254mm (MIN) BALLAST FOR 19.8m AT THE TRANSFORMER END OF THE AMTC EMPLACEMENT, PLUS THE 127mm (MIN) BALLAST FOR THE REMAINDER OF THE TRACK (SECTION B), AND SHALL STOCKPILE THE REMAINDER OF THE BALLAST REQUIRED TO COMPLETE CONSTRUCTION OF SECTION B PLUS 10%. THIS STOCKPILE SHALL BE SPLIT INTO 2 EQUAL PILES, ONE AT EACH END OF THE EMPLACEMENT, FOR INSTALLATION BY OTHERS LATER.
4. ALL TIMBER RETAINING WALLS MUST BE DESIGNED USING SITE SPECIFIC GEOTECHNICAL DESIGN PARAMETERS OBTAINED FROM A SITE SPECIFIC SUBSURFACE INVESTIGATION.
5. FOR DETAILS OF THE CABLE JUNCTION BOX (SAT EMPLACEMENT), REFER TO THE ELECTRICAL DRAWINGS.
6. ARMOR MOVING TARGET CARRIER EMPLACEMENT MAY BE CONSTRUCTED IN A MIRROR IMAGE CONFIGURATION TO THAT SHOWN.
7. DEPTH OF FOOTING WILL VARY DEPENDING UPON SUBSURFACE INVESTIGATION AND COMPACTION REQUIREMENTS DURING CONSTRUCTION. SEE S-14 FOR WALL DETAILS.
8. BERM SLOPES SHOWN AS 3:1 ARE MAXIMUM. FLATTER SLOPES MAY BE REQUIRED BY SITE SPECIFIC GEOTECHNICAL REPORT.



SECTION B

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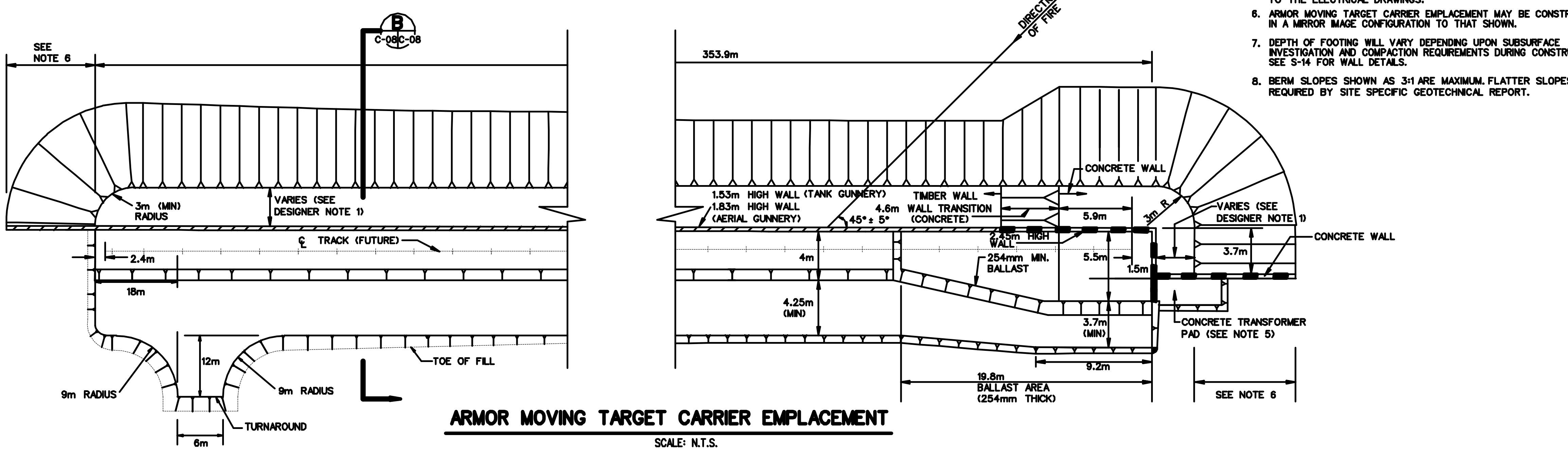

ARMOR MOVING TARGET CARRIER EMPLACEMENT

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US Army Corps of Engineers

U. S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE HUNTSVILLE, ALABAMA

FORCE XXI/FORCE MODERNIZATION PROGRAM STANDARD DESIGN

STATIONARY AND MOVING ARMOR TARGET EMPLACEMENTS

Sheet reference number:

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