1. **SUBGRADE DRAINAGE:** As depicted, is intended for use with the subgrade drainage of construction, and all shall be placed with the subgrade drainage of the superstructure. All subgrades have been completed, and prior to constructing the drainage material.

2. In the case where approximately 12 FEET of pipe drainage is required, NON-REINFORCED pipe meeting the requirements of the reinforcement pipe, except for perforations.

**GENERAL NOTES:**

1. AREAS DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE RECOVERED OR RECONSTRUCTED CONSISTENT WITH THE NATURAL SURROUNDINGS. GROUND COVERAGE SHALL NOT REDUCE TRENCH VISIBILITY.

2. WALLS SHALL BE CONSTRUCTED OF TREATED TIMBERS. FILTER FABRIC SHALL BE INSTALLED BEHIND ALL WOOD WALLS BELOW GRADE. FABRIC SHALL EXTEND THE FULL HEIGHT OF THE WALL.

3. BASE DRAINAGE LAYER SHALL CONFORM TO ASTM C33 FOR FINE AGGREGATE GRADING AND A MAXIMUM OF 3% BY WEIGHT PASSING THE ASTMB 1142. NO. 300 SCREEN [IBR/IRB].

4. CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 28 MPa [4000 psi] IN 28 DAYS.

5. TRENCHES CONSTRUCTED ON STANDARD RANGES SHALL NOT EXTEND THE FULL HEIGHT OF THE WALL.

6. TRENCHES CONSTRUCTED ON STANDARD RANGES SHALL NOT BE REFERRED TO THE BERM THICKNESS FIGURES LOCATED IN THE DESIGN MANUAL TO DETERMINE THE REQUIRED BERM THICKNESS.

7. ACTUAL LAYOUT MAY VARY PER TRAINING REQUIREMENTS AND SITE CONDITIONS.

**NOTES TO DESIGNER:**

1. SUBDRAIN SYSTEM SHALL BE PROVIDED TO ENSURE ADEQUATE DRAINAGE OF TRENCH.

2. THE NEED FOR FILTER FABRIC SHOULD BE EVALUATED AS PART OF THE SITE ADAPTATION PROCESS. A FILTER LAYER MAY OR MAY NOT BE REQUIRED DEPENDING UPON THE SOIL TYPE AT A PARTICULAR SITE.

3. THE GENERIC DESIGN FOR THE TRENCH MUST BE SITE ADAPTED TO SPECIFIC SITE CONDITIONS DETERMINED BY A SUBSURFACE INVESTIGATION AND TOPOGRAPHIC SURVEY.

4. DEPTH OF FOOTING WILL VARY DEPENDING ON SOIL SUBSURFACE INVESTIGATIONS AND CONSTRUCTION REQUIREMENTS [S/A].

5. REFER TO THE BERM THICKNESS FIGURES LOCATED IN THE DESIGN MANUAL TO DETERMINE THE REQUIRED BERM THICKNESS.

6. TRENCH SURFACES SHOWN AS 3 [%] ARE MAXIMUM FLATTER SLOPES MAY BE REQUIRED BY THE ST SPECIFIC DESCRIPTIVE REPORT.

7. ACTUAL LAYOUT MAY VARY PER TRAINING REQUIREMENTS AND SITE CONDITIONS.