

## NOTES

Excavate the top 900mm of sub - standard material and spoil.

In-situ compaction of existing bulk earthworks (BE). Minimum compaction of 90% Mod. AASHTO density and in-situ CBR > 5.

Place A6 or similar kind geotextile for separation and moisture control of the existing BE.

Placement of a Perforated fin drainage system (Type F1 and F2 ) as indicated in the diagram.

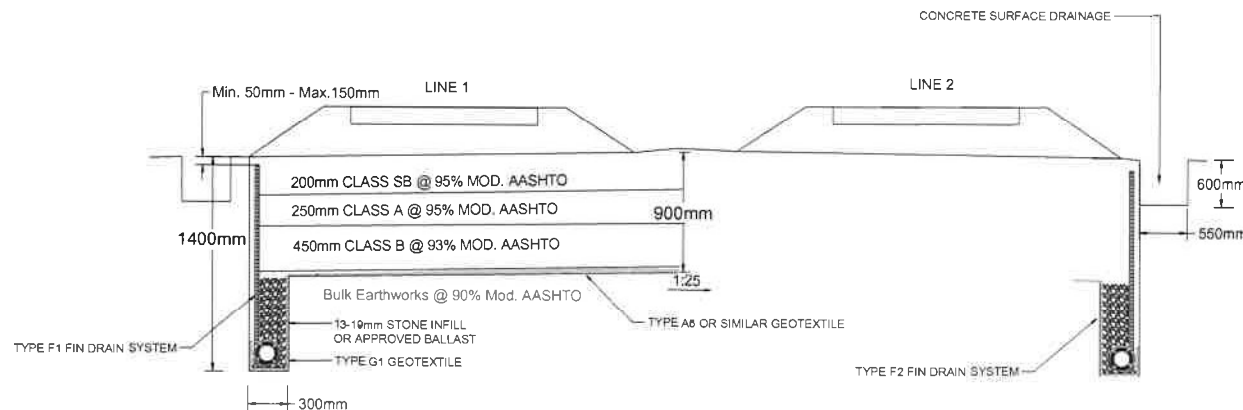
Install a U - Drainage system as indicated in the diagram

Material with good quality grading and strength should be used for the upper SB, B, and A layers (with minimum compaction efforts as stated in the drawing) because of varying formation profile and material strength.

Ballast on the problematic section should be replaced with fresh ballast material and maintain the 280mm depth as required by the PWI manual for the 20 ton/axle loading.

NB:

1. All geotextile overlaps to 200mm.
2. Maximum opening of 150mm between fin drain top and formation level.
3. IN-SITU material to be compacted @ 90% Mod. AASHTO.
4. Track Technology will not carry any professional indemnity if there is any deviation or alteration to the formation design provided in this report. Furthermore, quality assurance and monitoring should be conducted during the execution.



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Figure 1: shows the schematic diagram of the design.