

- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS INDICATED OTHERWISE
- 2. IF THERE IS DISCREPANCY BETWEEN THE REQUIREMENTS IN THE SPECIFICATIONS AND THOSE SHOWN ON THIS DRAWING. THE SPECIFICATIONS SHALL BE FOLLOWED.
- ALL MATERIALS, FABRICATION AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND VERIFIED BY THE ENGINEER.
- WEEPHOLES ARE PLACED @ 0.5m. FROM TOE AND STAGGERED AT 1.00m. VERTICALLY AND 3.00m. HORIZONTALLY AND THE ARRANGEMENT SUBJECT TO ENGINEER'S APPROVAL.
- 5. GRADATION OF THE FILTER MATERIAL SHOULD SATISFY THE FOLLOWING CRITERIA:

a) IN RELATION TO BASE MATERIAL RETAINED BEHIND THE

*f=FILTER - D15f / D85b < 5 - 5 < D50f / D50b < 25

b) IN RELATION TO WEEPHOLES

- D85f / Dhole > 1-2

WHERE D15f, D20f, D50f AND D85f ARE USED TO DESIGNATE THE SIZE OF THE SIEVE THAT ALLOWS 15%, 20%, 50% AND 85% RESPECTIVELY BY WEIGHT OF THE FILTER MATERIAL TO PASS THROUGH IT.

ALSO, D20b, D50b AND D85b ARE USED TO DESIGNATE THE SIZE OF THE SIEVE THAT ALLOWS 20%, 50% AND 85% RESPECTIVELY BY WEIGHT OF THE BASE MATERIAL TO PASS THROUGH IT. Dhole IS USED TO DESIGNATE THE DIAMETER OF THE WEEPHOLE..

IF ONE LAYER OF THE FILTER DOES NOT SATISFY THE ABOVE CRITERIA, SEVERAL LAYERS MAY BE USED, PROVIDED THAT EACH LAYER IS AT LEAST GREATER OF 5 x D50f OR150 mm THICK.

REFERENCE DRAWINGS AND DOCUMENTS

No.	REVISIONS	APP'D	DATE		
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STANDARD DRAWINGS MAIN ROADS

DRAWING TITLE

SURFACE DRAINAGE TYPICAL DETAILS OF **EMBANKMENT PROTECTION**

DRAWN	-	SCALE	N.T.S
CHECKED	-	DATE	-
APPROVED	-	SIZE	A1
PROJECT No.	-	DWG. No.	N-245