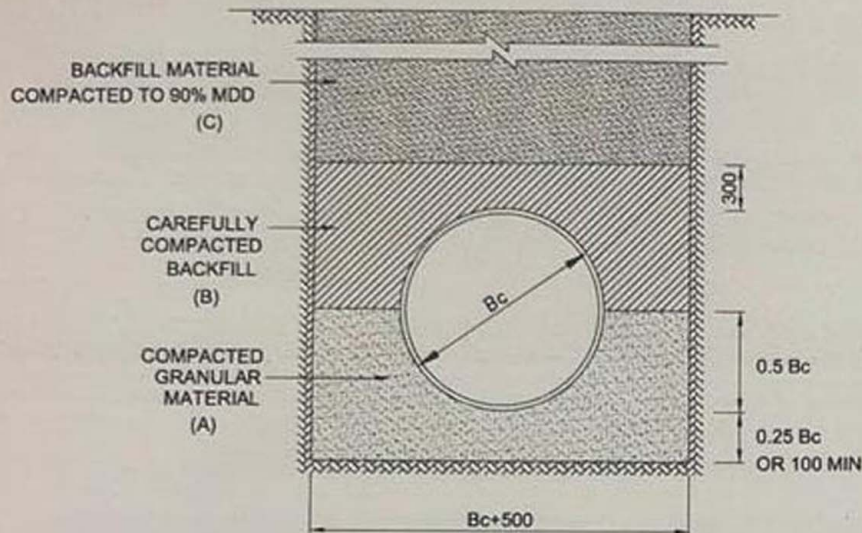
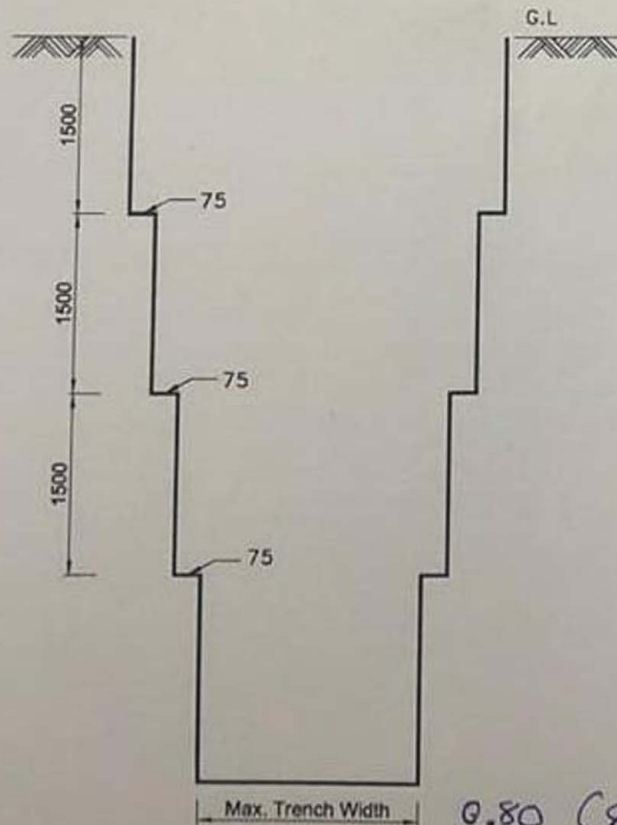


LAYER A. COMPACTED GRANULAR MATERIAL  
LAYER B. CAREFULLY COMPACTED BACKFILL  
LAYER C. BACKFILL MATERIAL COMPACTED  
TO 90% M.D.D



GRANULAR BEDDING (GRB)  
TYPE B - GRB



TYPICAL SECTION OF SEWER TRENCH  
(SEE NOTE 4 & 6)

## NOTES -

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE INDICATED.
2. INTERNAL DIAMETER OF PIPE = D  
OUTER DIAMETER OF PIPE = Bc
3. PERCENTAGE STEEL IS THE RATIO OF THE AREA OF STEEL TO THE AREA OF CONCRETE. AT THE CROWN IN CASE OF TYPE A<sub>d</sub> BEDDING AND AT THE BASE IN CASE OF TYPE A<sub>c</sub> BEDDING.
4. THIS SECTION IS APPLICABLE FOR TIMBER SHUTTERING. FOR STEEL SHUTTERING SEPARATE DRAWING IS REQUIRED.
5. BEDDING TYPE SHALL BE AS GIVEN IN SEWER DATA SHEETS.

GRADED HARD CRUSHED BROKEN STONE OR GRAVEL 100% PASSING THROUGH 20 mm SEIVE,  
20 TO 50% PASSING THROUGH 10mm SEIVE AND 100% RETAINED ON 6mm SEIVE

BACKFILLING WITH APPROVED SELECTED EXCAVATED MATERIAL AND COMPACTION SHALL BE  
DONE BY HAND OR APPROVED MECHANICAL METHODS IN LAYERS OF 150mm WITH SPECIAL  
CARE TO AVOID DAMAGE OF THE PIPE

BACKFILLING SHALL BE DONE WITH EXCAVATED MATERIAL BY HAND OR APPROVED MECHANICAL  
METHODS IN LAYERS NOT EXCEEDING 15 CM THICKNESS AFTER COMPACTION, WETTED AND  
COMPACTIONED TO A DENSITY OF NOT LESS THAN 90% OF MAXIMUM DRY DENSITY AT OPTIMUM  
MOISTURE CONTENT OF THE SURROUNDING MATERIAL.

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सहायक अभियन्ता  
नगर परिषद किशनगढ़