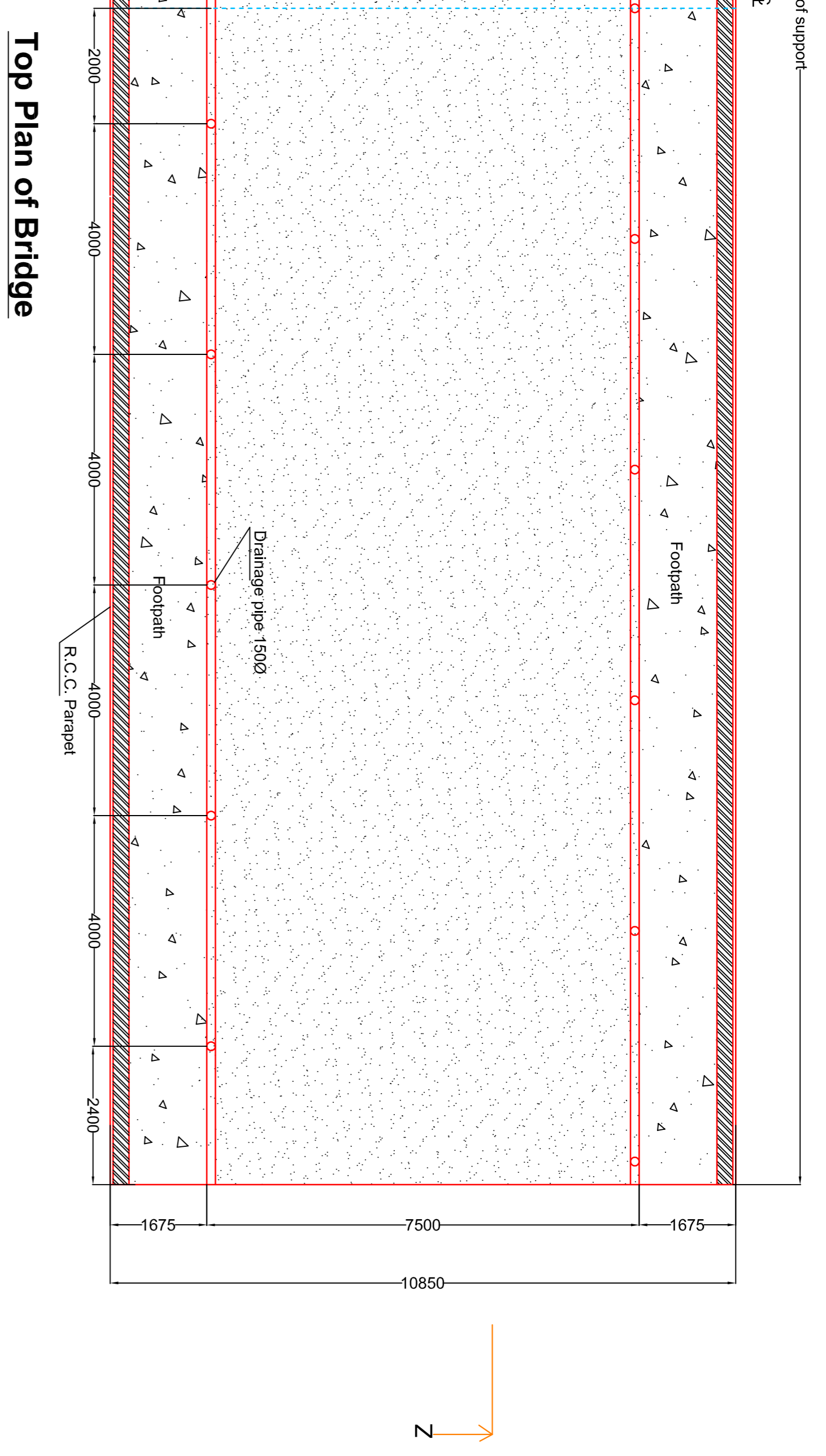
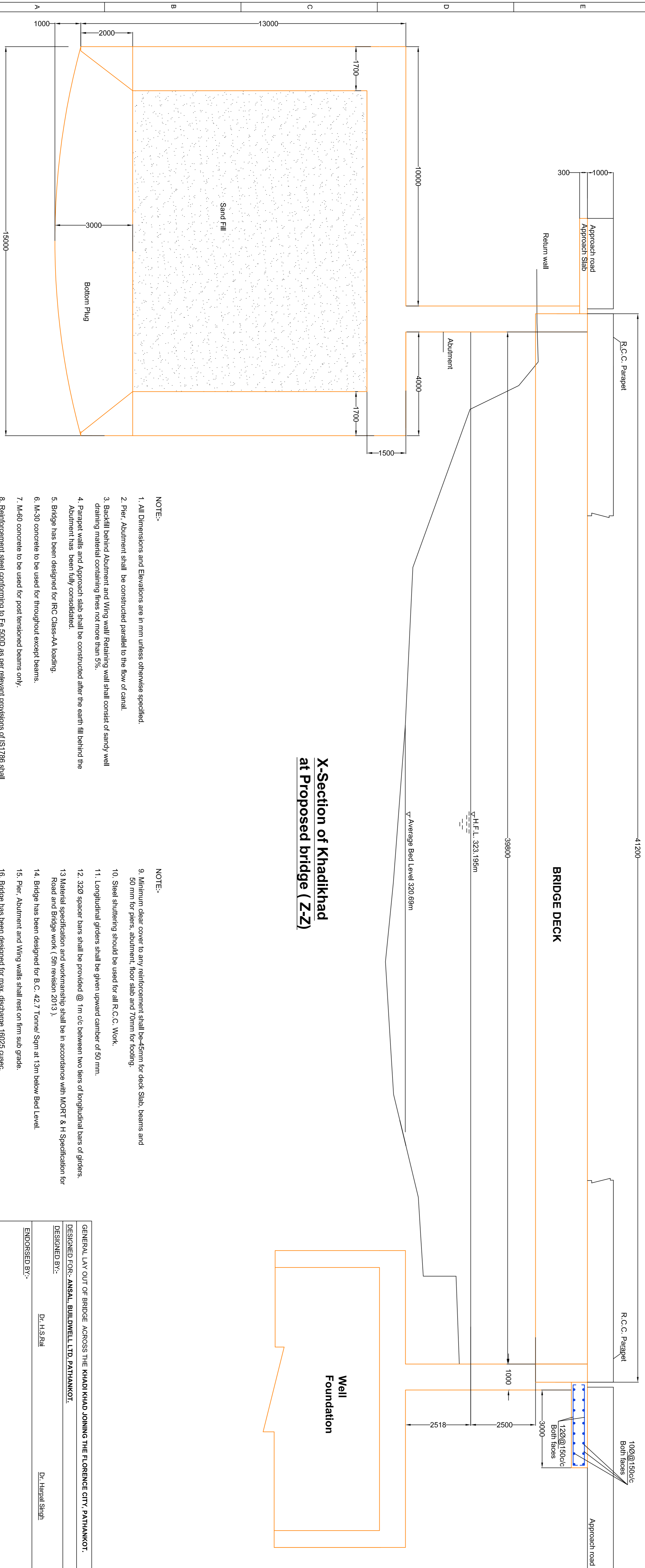


Girder Lay out of Bridge



Top Plan of Bridge



X-Section of Khadikhad at Proposed bridge (Z-Z)

NOTE:-

1. All Dimensions and Elevations are in mm unless otherwise specified.
2. Pier, Abutment shall be constructed parallel to the flow of canal.
3. Backfill behind Abutment and Wing wall/ Retaining wall shall consist of sandy well draining material containing fines not more than 5%.
4. Parapet walls and Approach slab shall be constructed after the earth fill behind the Abutment has been fully consolidated.
5. Bridge has been designed for IRC Class-AA loading.
6. M-30 concrete to be used for throughout except beams.
7. M-40 concrete to be used for post tensioned beams only.
8. Reinforcement steel conforming to Fe 500D as per relevant provisions of IS1786 shall be used.

NOTE:-

9. Minimum clear cover to any reinforcement shall be 45mm for deck Slab, beams and 50 mm for piers, abutment, floor slab and 70mm for footing.
10. Steel shuttering should be used for all R.C.C. Work.
11. Longitudinal girders shall be given upward camber of 50 mm.
12. 320 spacer bars shall be provided @ 1m c/c between two tiers of longitudinal bars of girders.
13. Material specification and workmanship shall be in accordance with MORT & H Specification for Road and Bridge work (5th revision 2013).
14. Bridge has been designed for B.C. 42.7 Tonne/ Sqm at 13m below Bed Level.
15. Pier, Abutment and Wing walls shall rest on firm sub grade.
16. Bridge has been designed for max. discharge 16025 cusec.

GENERAL LAY OUT OF BRIDGE ACROSS THE KHADI KHAD JOINING THE FLORENCE CITY, PATHANKOT.	
DESIGNED FOR:-	ANSAL BUILDWELL LTD, PATHANKOT.
DESIGNED BY:-	Dr. H.S.Rai
ENDORSED BY:-	Dr. Harpal Singh
TESTING AND CONSULTANCY CELL GURU NANAK DEV ENGG. COLLEGE LUDHIANA	
SHEET NO-R2	REF. NO.: TC/HSR/INVS/9/028
	08-10-2015