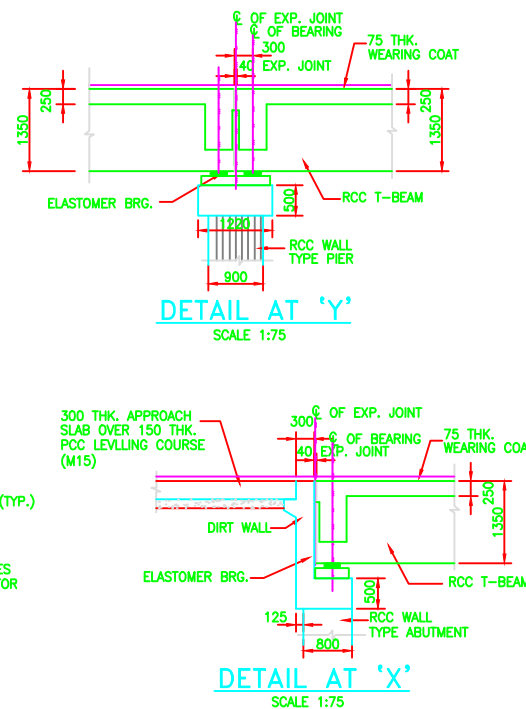
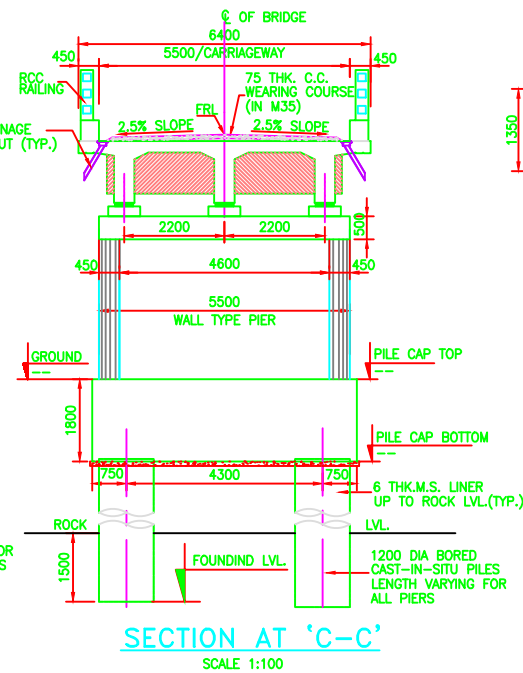
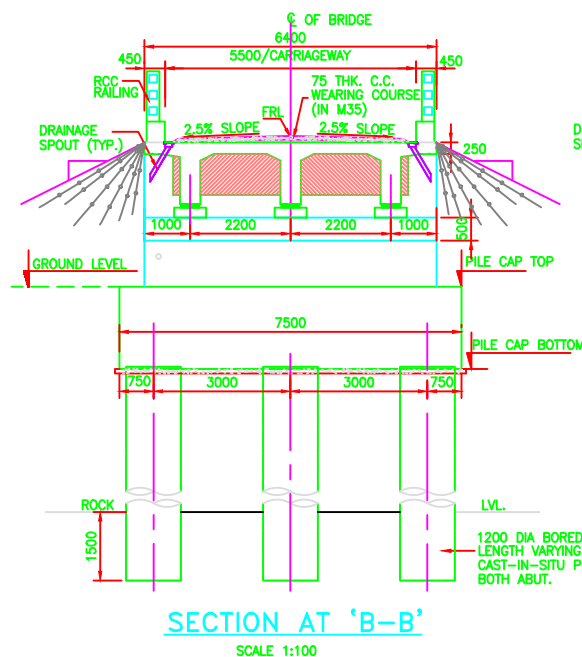
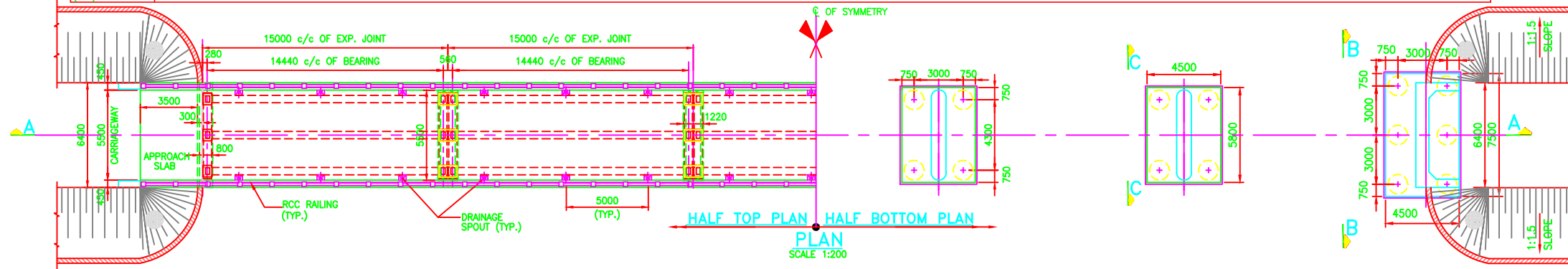


FORMATION LEVEL	100.677	100.677	100.677	100.677	100.677	100.677
GROUND LEVEL (IN M)	98.040	95.729	95.310	95.978	97.250	98.303
ROCK (IN M)	91.640		89.610		89.750	92.290
FOUNDING LEVEL (IN M)	90.140	89.125	88.110	88.180	88.250	90.790
CHAINAGE (KM.)	---	---	---	---	---	---



#### NOTES:

- ALL DIMENSIONS ARE IN mm AND LEVELS ARE IN METRES UNLESS OTHERWISE MENTIONED. ONLY WRITTEN DIMENSIONS TO BE FOLLOWED. NO DIMENSION SHALL BE SCALED.
- THE CARRIAGEWAY OF PROPOSED BRIDGE IS DESIGNED FOR ONE LANE OF IRC CLASS 70R LOADING OR TWO LANE OF IRC CLASS A LOADING WHICHEVER GOVERNS.
- CONCRETE SHALL BE DESIGN MIX WITH A MINIMUM 28 DAYS CHARACTERISTIC STRENGTH FOR...  
SUPERSTRUCTURE : M30  
SUB-STRUCTURE : M30  
PILE CAP : M30  
PILE : M35
- STEEL REINFORCEMENT SHALL CONFORM TO IS:1786 (GRADE DESIGNATION Fe-415)
- CLEAR COVER TO OUTER MOST STEEL IS 40mm FOR SUPERSTRUCTURE, 50mm SUBSTRUCTURE AND 75mm FOR FOUNDATION.
- BACK FILLING BEHIND ABUTMENTS AND RETURN WALLS SHALL CONSIST OF SELECTED EARTH CONFORMING TO APPENDIX:6 OF IRC:78-2000 HAVING PROPERTIES  $C=0$ ,  $\phi=30^\circ$ ,  $\delta=20^\circ$  &  $\gamma_d=18$  KN/m<sup>3</sup>
- LAYING COMPACTION AND EXTENT OF BACKFILL BEHIND ABUTMENTS AND RETURN WALLS SHALL CONFORM TO SPECIFICATIONS IN APPENDIX : 6 OF IRC : 78-2000.
- WEEP HOLES, SPACED AT 1000 c/c BOTH HORIZONTALLY AND VERTICALLY SHALL BE PROVIDED IN A STAGGERED MANNER IN ABUTMENTS AND RETURN WALL FROM GROUND TO 500mm BELOW ABUTMENT CAP.
- 75 mm THK. (MIN) C.C. WEARING COURSE (IN M30) SHALL BE PROVIDED.
- SAFE PILE CAPACITY AT FOUNDING LEVEL OF PIER AND ABUTMENT SHALL NOT BE LESS THAN 175 TON.
- MINIMUM 1500 MM EMBEDMENT OF PILE IN SOFT ROCK SHALL BE ASCERTAINED DURING EXECUTION.
- STRIP SEAL TYPE EXPANSION JOINT OF PROVEN QUALITY SHALL BE PROVIDED
- ELASTOMER BEARING SHALL BE PROVIDED,
- 600 THICK FILTER MEDIA BEHIND ABUTMENT AND RETURN WALL SHALL BE PROVIDED AS PER "MORTH" SPECIFICATION.
- WATER TO BE USED IN CONCRETING, GROUTING AND CURING SHALL CONFORM TO CLAUSE 302.4 OF IRC-21-2000
- M.S. LINER SHALL BE PROVIDED FOR THE FULL DEPTH OF PILE.



Development of Rural Bridge  
in The State of Jharkhand  
under PMGSY



JHARKHAND STATE RURAL  
ROAD DEVELOPMENT  
AUTHORITY  
(GOVT. OF JHARKHAND)

District :-Giridih  
Block :Bengabad  
Division :

DRAWING NO.:- ACEPLJHRR/BENGABAD/BR-2NPKG-JH-0813/GAD/101  
GENERAL ARRANGEMENT DRAWING  
Road Name : Jharkatta Path Over River  
Kushumbha Kenduvatand  
Road No. :L0

Drawn by: Ashok  
Designed by:  
Checked by:

Date: FEB. 2011  
Package: JH-0813  
Scale:

Prepared by:  
JINFRA Jharkhand Infrastructure Development Corporation Limited  
Process Manager to JINFRA:  
Infrastructure Development Corporation Limited