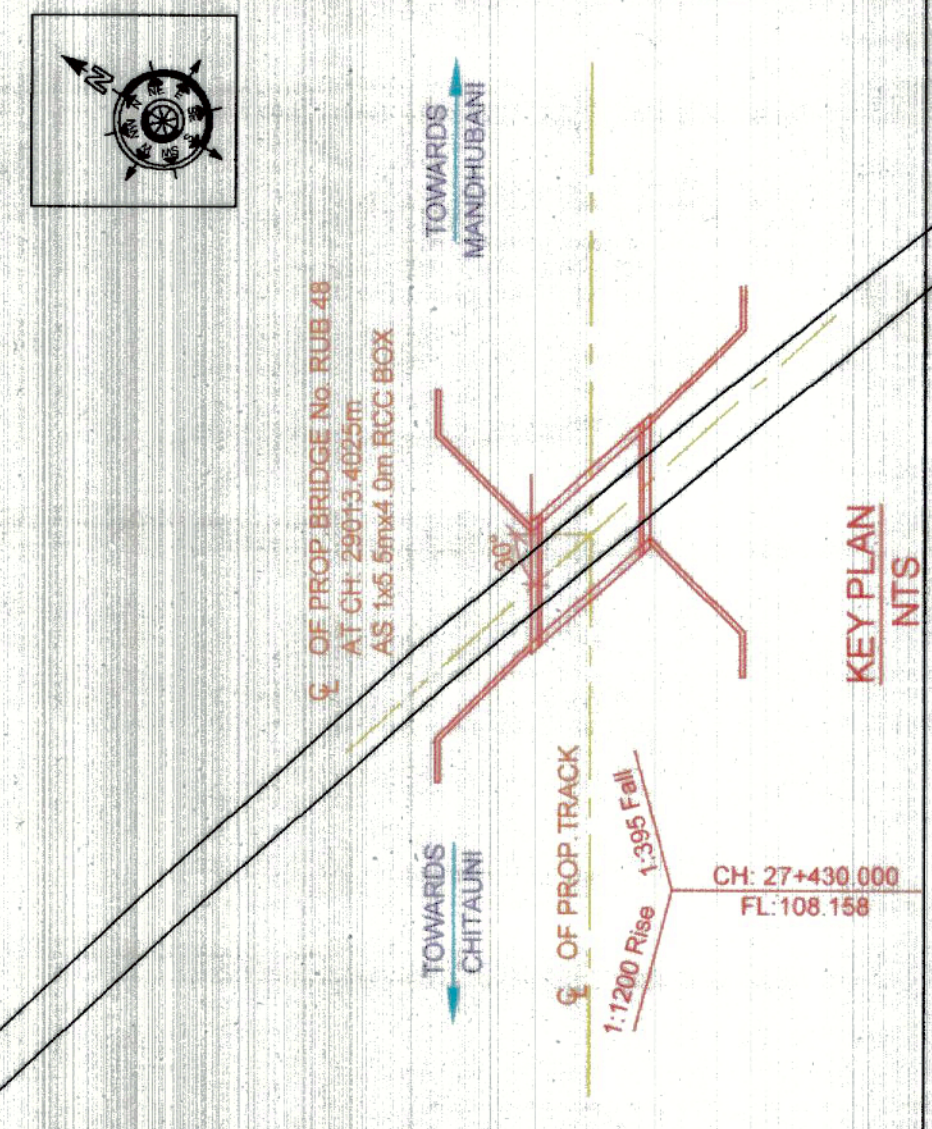
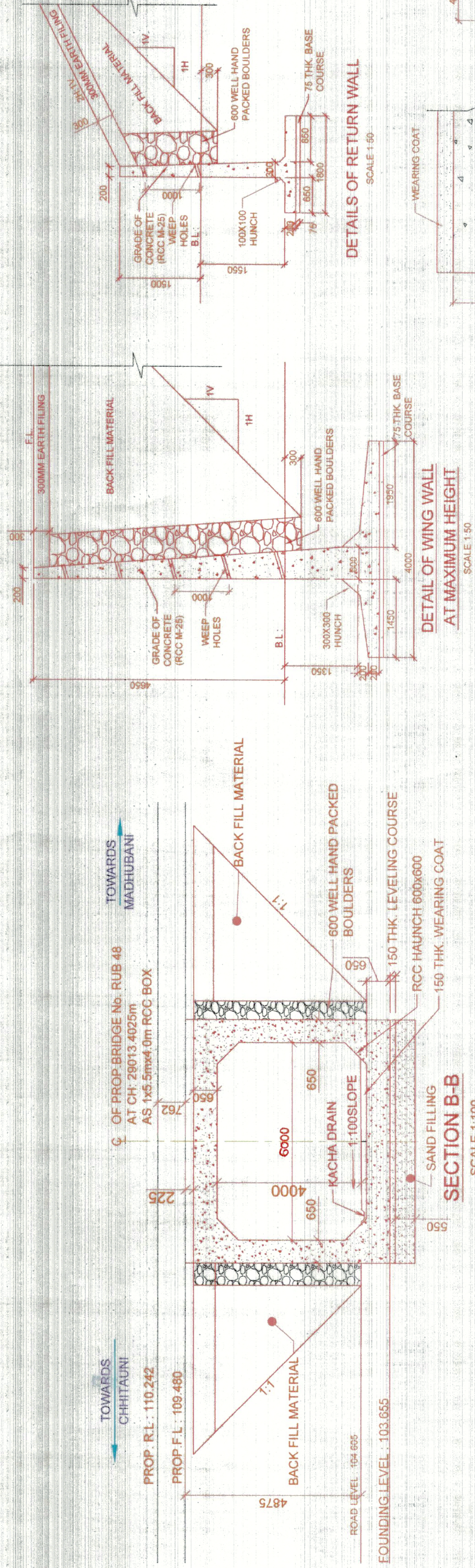


AUTHORITY OF WORK  
 PINK BOOK- 2024-25  
 PAGE NO.- 42:1  
 ITEM NO. - 48



- NOTES:
1. ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN METERS UNLESS OTHERWISE MENTIONED.
  2. DIMENSIONS ARE NOT TO BE SCALED. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
  3. ALL REINFORCEMENT SHALL BE HIGH YIELD STRENGTH DEFORMED BARS (GRADE 45) CONFORMING TO IS: 1786.
  4. MINIMUM LAP LENGTH OF REINFORCEMENT FOR M 35 SHALL BE 48 TIMES BAR DIA.
  5. THE BRIDGE LIES IN SEISMIC ZONE II BEHIND RETAINING WALLS.
  6. ENSURE PROPER COMPACTION OF SOIL BEHIND RETAINING WALLS.
  7. BEHIND RCC BOX WALL HAND PACKED BOULDERS COBBLES TO A THICKNESS NOT LESS THAN 600 MM WITH SMALLER SIZE TOWARDS. SHALL BE PROVIDED AS PER DRAWING & AS PER CLAUSE 7.5 OF IRC BRIDGES SUB STRUCTURE AND FOUNDATION CODE.
  8. MAXIMUM DESIGN FOUNDATION PRESSURE COME OUT 21 t/m<sup>2</sup>.
  9. FOR REINFORCEMENT DETAIL OF RCC BOX SEE DRAWING NUMBER RDSO/B-10162/1R & RDSO/B-10162/2R.
  10. RCC BOX WITH KEY CONSTRUCTION AS PER DRAWING NUMBER RDSO/B-10162/1R & RDSO/B-10162/2R.
  11. EPOXY GROUTING WITH GI SHEET ON BOTTOM OF JOINTS TO BE PROVIDED TO PREVENT ANY LEAKAGES AT JOINT. IF REQUIRED.
  12. SUITABLE GRANULAR MATERIALS TO BE PROVIDED BELOW RCC BOX TO IMPROVE BEARING CAPACITY OF SOIL. IF REQUIRED.
  13. FOR RCC WORK DESIGN MIXED M35 WILL BE USED EXPECT UNLESS OTHERWISE SPECIFIED.
  14. WATERPROOFING COMPOUND MIX WITH CONCRETE FOR WATERPROOFING.
  15. ON BOTH APPROACHES SHED WILL BE AS PER DRAWING & DESIGN IF REQUIRED.
  16. BEHIND RCC BOX WALL HAND PACKED BOULDERS/COBBLES TO A THICKNESS NOT LESS THAN 600MM WITH SMALLER SIZE TOWARDS BACK FILL SHALL BE PROVIDED AS PER DRAWING & AS PER CLAUSE 7.5 OF IRC BRIDGE SUB STRUCTURE & FOUNDATION CODE.
  17. TOP OF RETAINING WALL SHALL BE KEPT MINIMUM 500 MM ABOVE THE EXISTING GROUND LEVEL AT ALL LOCATIONS IN APPROACH.
  18. BEFORE EXECUTION OF WORK FEASIBILITY WILL BE CHECKED BY SITE ENGINEER.
  19. LAYOUT SHOULD BE CHECKED BY AXEN/CON & ALL REFERENCE, PILLARS & LINE SHOULD BE KEPT INTACT TILL THE ENTIRE WORK IS COMPLETED.
  20. GRADE OF THE SUBWAY UNDER WALKER WARNING BOARD ETO SHOULD BE PROVIDED ON BOTH ENDS OF THE SUBWAY.
  21. RCC WATER COLLECTION CHAMBER FOR THE RAINWATER INFILTRATING INTO THE APPROACH ROAD AND LHS SHOULD BE CAST MONOLITHICALLY WITH RCC FLOOR AND WALL SO THAT NO INGRESS OF GROUND WATER IN IT.
  22. AS THE GROUND WATER LEVEL IS HIGH ALL THE NECESSARY PRECAUTIONS TO BE TAKEN TO PROTECT THE LHS FROM WATER LOGGING ETC.
  23. RECOMMENDATION GIVEN IN RLY BD'S LETTER NO. 2017/CE-IV/RUB/88DT.22/04/2020 SHOULD BE FOLLOWED AS PER SITE CONDITION.
  24. LAND WILL BE ACQUIRED AS PER SITE CONDITION.
  25. WING/RETURN WALL AS PER CE/CON. PLAN NO. B/14/02-11 DT. 11.02.11.
  26. CURTAIN/DROP WALL TO BE PROVIDED AND DESIGNED PER SCOUR REQUIREMENTS.
  27. TYPE OF ROAD IS CHANKUHWA-TOHRI BAZAR.
  28. SHARP CURVE IN THE APPROACH ROAD TO BE AVOIDED.
  29. HEIGHT GAUGE AS PER RDSO DRG. RDSO/M-0001.
  30. SOIL BEARING CAPACITY AFTER STRENGTHENING OF SOIL AND CONFIRMED BY PLATE LOAD TEST SHOULD BE MENTION IN COMPLETION PLAN.
  31. HUMP AS PER RDSO DRAWING NO. B-10161.
  32. BOULDER PACKING BEHIND WING AND RETURN WALL MUST BE AS SHOWN IN SECTION.
  33. FIELD UNIT MUST PRE-VALIDATE ALL DATA AND LEVELS BEFORE STARTING EXECUTION OF WORK.

BALLAST RETAINER  
 SCALE 1:25

TRACK DETAILS  
 SCALE 1:25

PROP R.L.	110.242
PROP F.L.	109.480
VERTICAL ALIGNMENT	
HORIZONTAL ALIGNMENT	

LEGEND

F.L.	FORMATION LEVEL
R.L.	RAIL LEVEL
P.R.L.	PROPOSED ROAD LEVEL
BOF.	BOTTOM OF FOUNDATION
PROP.	PROPOSED
EXG.	EXISTING
THK.	THICKNESS
CH.	CHAINAGE
PCC.	PLAIN CEMENT CONCRETE
RCC.	REINFORCED CEMENT CONCRETE
BR.	BRIDGE
PRL.	PROPOSED ROAD LEVEL
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CONSTRUCTION DEPTH

1) RAIL (60kg)	172 mm
2) RUBBER PAD	10 mm
3) WIDER PSC/SLEEPER HEIGHT AT RAIL SEAT	230 mm
4) MINIMUM BALLAST THK	350 mm
TOTAL	752 mm

COLOR CODE LEGEND

RED	PROPOSED
CONTINUOUS	VISIBLE
DOTTED	INVISIBLE

DROP/CURTAIN WALL  
 (TO BE DESIGNED AS PER SCOUR REQUIREMENTS)  
 SCALE 1:50

DETAIL OF RETURN WALL  
 SCALE 1:50

DETAIL OF WING WALL AT MAXIMUM HEIGHT  
 SCALE 1:50

SHEAR KEY  
 SCALE 1:25

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TRACK DETAILS  
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