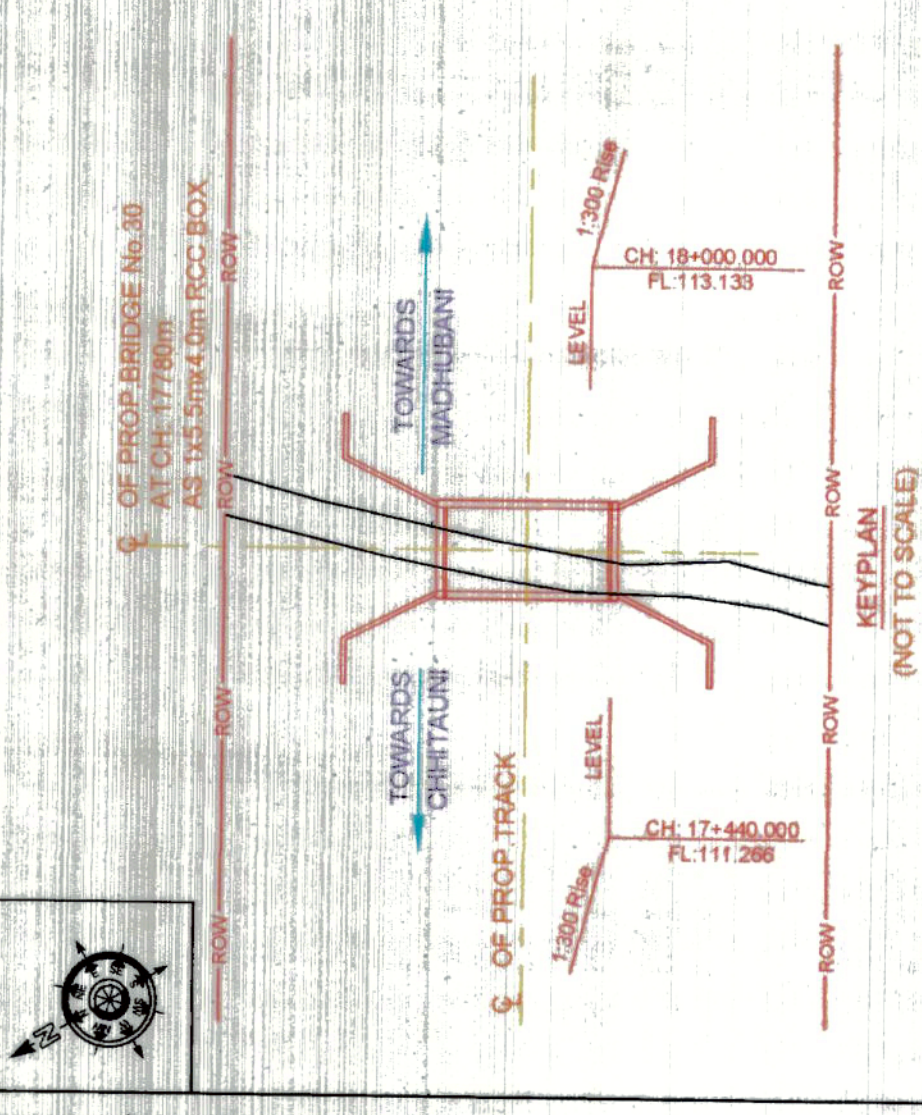
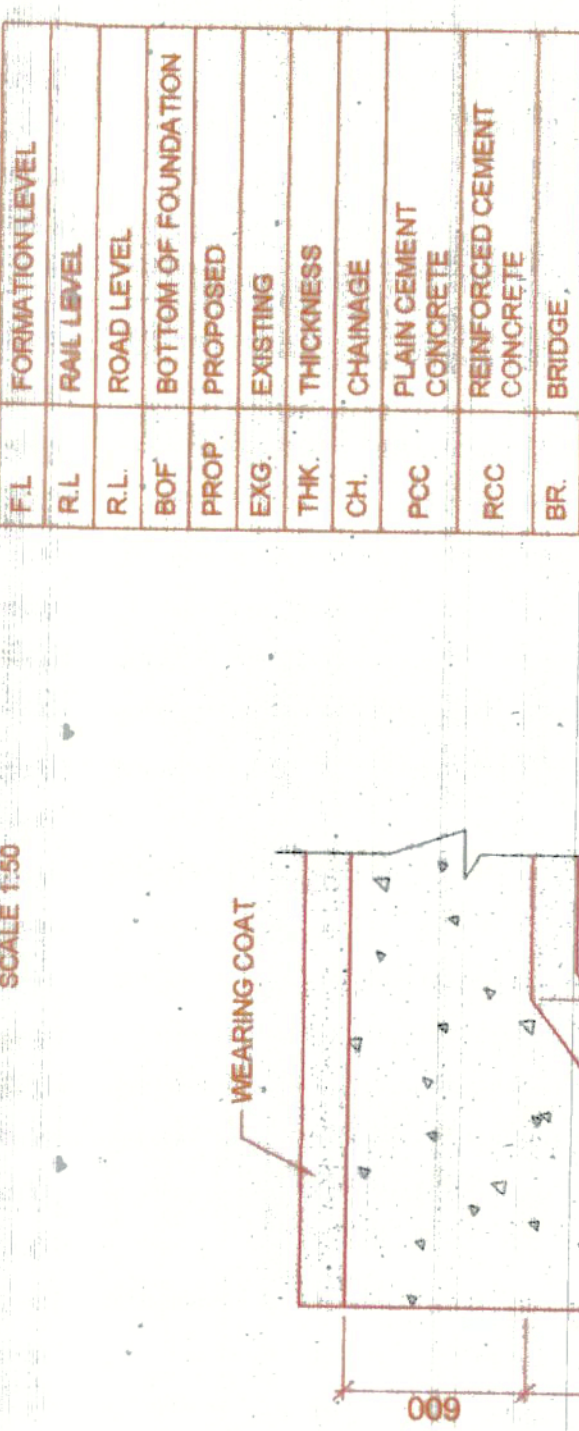


AUTHORITY OF WORK
PINK BOOK- 2024-25
PAGE NO.-42:1
ITEM NO. - 5

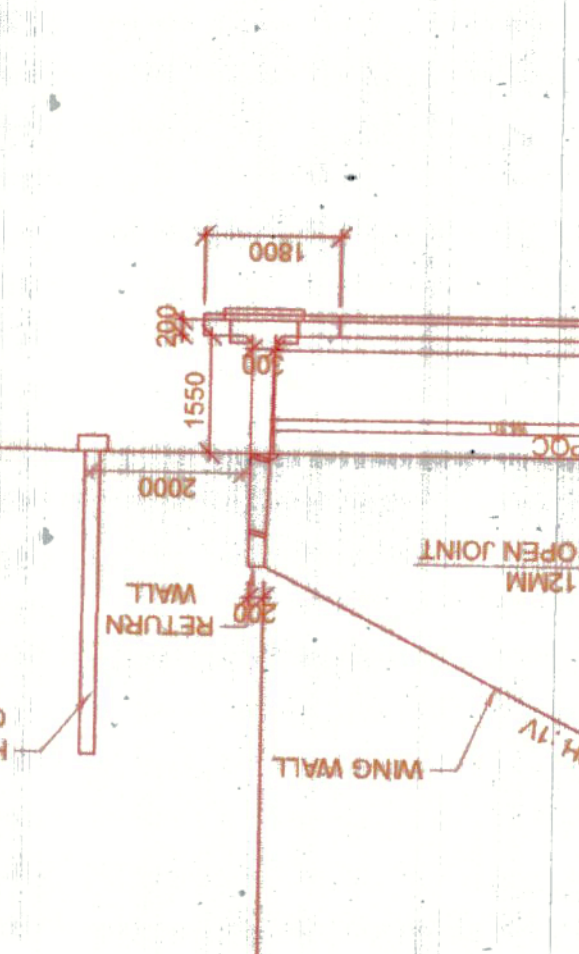


- NOTES:**
1. ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN METERS UNLESS OTHERWISE MENTIONED.
 2. DIMENSIONS ARE NOT TO BE SCALED. ONLY WRITTEN DIMENSIONS SHALL BE USED.
 3. ALL REINFORCEMENT SHALL BE HIGH YIELD STRENGTH DEFORMED BARS GRADE DESIGNATION FE 500 CONFORMING TO IS: 1786.
 4. MINIMUM LAP LENGTH OF REINFORCEMENT FOR M 35 SHALL BE 48 TIMES BAR DIA.
 5. THE BRIDGE LIES IN SEISMIC ZONE IV.
 6. ENSURE PROPER COMPACTION OF SOIL BEHIND RETAINING WALLS.
 7. BEHIND RCC BOX WALL HAND PACKED BOULDERS/CORBLES TO A THICKNESS NOT LESS THAN 600 MM WITH SMALLER SIZE TOWARDS SHELL 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 140kN/m².
 9. FOR REINFORCEMENT DETAIL OF RCC BOX SEE DRAWING NUMBER RD50/B-10152/R & RD50/B-10152/BR.
 10. RCC BOX WITH KEY CONSTRUCTION AS PER DRAWING NUMBER RD50/B-10152/R & RD50/B-10152/BR.
 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 STABILITY CAPACITY OF SOIL. IF REQUIRED.
 13. FOR RCC BOX DESIGN MIXED M35 WILL BE USED EXCEPT UNLESS OTHERWISE SPECIFIED.
 14. WATERPROOFING COMPOUND M35 WITH CONCRETE FOR WATERPROOFING BEHIND RCC BOX WALL HAND PACKED BOULDERS/CORBLES TO A THICKNESS NOT LESS THAN 600 MM WITH SMALLER SIZE TOWARDS BACK FILL SHALL BE PROVIDED AS PER DRAWING & AS PER CLAUSE 7.5 OF IRC BRIDGES SUB STRUCTURE & FOUNDATION CODE.
 15. TOP OF RETAINING WALL SHALL BE KEPT MINIMUM 500 MM ABOVE THE EXISTING GROUND LEVEL AT ALL LOCATIONS IN APPROACH.
 16. BEFORE EXECUTION OF WORK FEASIBILITY WILL BE CHECKED BY SITE ENGINEER.
 17. LAYOUT SHOULD BE CHECKED BY AXEN/CON & ALL REFERENCE, PILLARS & LINE SHOULD BE KEPT INTACT TILL THE ENTIRE WORK IS COMPLETED.
 18. HEIGHT GAUGE, SPEED BREAKER WARNING BOARD ETO SHOULD BE PROVIDED ON BOTH END OF THE SUBWAY.
 19. RCC WATER COLLECTION CHAMBER FOR THE RAINWATER, INFILTRATING INTO THE APPROACH ROAD AND LHS SHOULD BE CAST MONOLITHICALLY WITH RCC FLOOR AND WALL. SOIL AND WATER LEVELS SHOULD BE KEPT MONITORING NECESSARY PRECAUTIONS TO BE TAKEN TO PROTECT THE LHS FROM WATER LOGGING ETC.
 20. RECOMMENDATION GIVEN IN RY BD'S LETTER NO. 2017/CE-IV/RUB/880T-22/04/2020 SHOULD BE FOLLOWED AS PER SITE CONDITION.
 21. LAND WILL BE ACQUIRED AS PER SITE CONDITION.
 22. WING/RETURN WALL AS PER CE/CON. PLAN NO. B/14/02-11 DT. 11.02.11.
 23. CURTAIN/DROP WALL TO BE PROVIDED AND DESIGNED PER SCOUR REQUIREMENTS.
 24. TYPE OF ROAD IS VILLAGE ROAD.
 25. SHARP CURVE IN THE APPROACH ROAD TO BE AVOIDED.
 26. HEIGHT GAUGE AS PER RD50 DRG. RD50/M-001.
 27. SOIL BEARING CAPACITY AFTER STRENGTHENING OF SOIL AND CONFIRMED BY PLATE LOAD TEST SHOULD BE MENTION IN COMPLETION PLAN.
 28. BUILT UP AS PER RD50 DRAWING NO. B-10159.
 29. BUILT UP PACKING BEHIND WING AND RETURN WALL MUST BE AS SHOWN IN SECTION.
 30. FIELD UNIT MUST PRE-VALIDATE ALL DATA AND LEVELS BEFORE STARTING EXECUTION OF WORK.

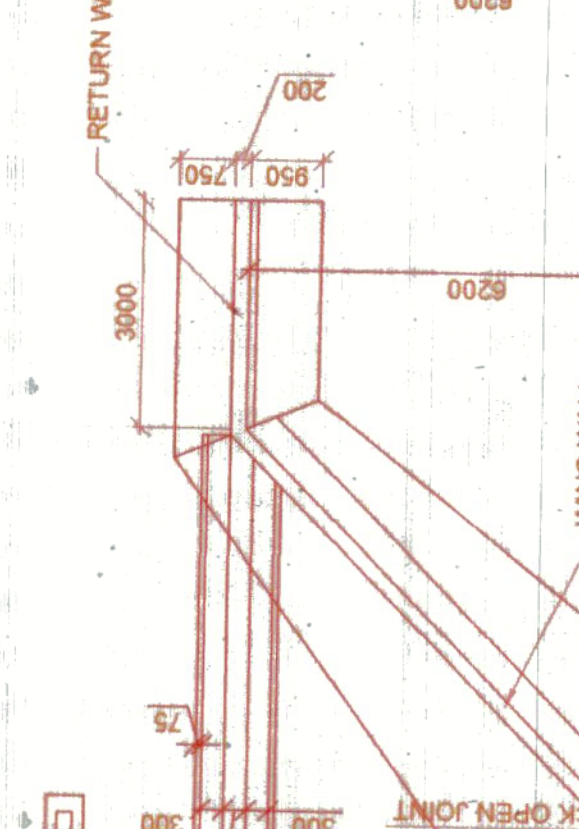
DETAILS OF RETURN WALL



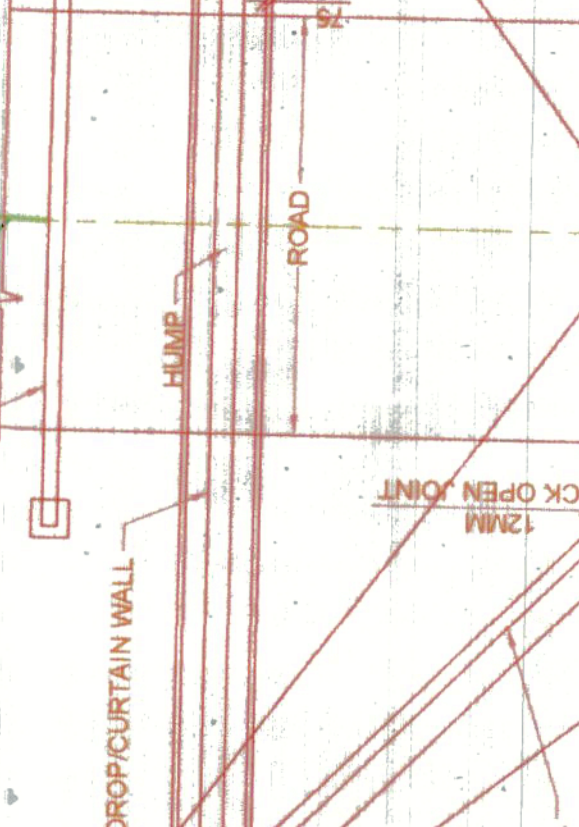
DETAIL OF WING WALL AT MAXIMUM HEIGHT



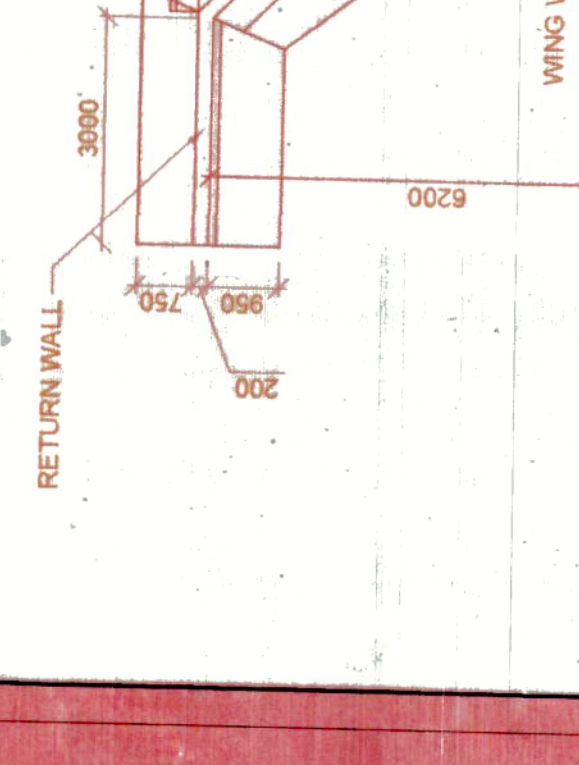
DETAILS OF RETURN WALL



DETAILS OF WING WALL



DETAILS OF RETURN WALL



LEGEND

FL	FORMATION LEVEL
RL	RAIL LEVEL
R.L.	ROAD LEVEL
BOF	BOTTOM OF FOUNDATION
PROP	PROPOSED
EXG	EXISTING
THK.	THICKNESS
CH.	CHAINAGE
POC	PLAIN CEMENT CONCRETE
RCC	REINFORCED CEMENT CONCRETE
BR.	BRIDGE

COLOR CODE LEGEND

RED	CONTINUOUS
DOTTED	VISIBLE
BLACK	INVISIBLE
EXISTING	TO BE DISMANTLED

TRACK DETAILS

PROP R/L	113.224m
PROP F.L.	112.462m
VERTICAL ALIGNMENT	LEVEL
HORIZONTAL ALIGNMENT	STRAIGHT

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	762 mm

BOREHOLE PROFILE

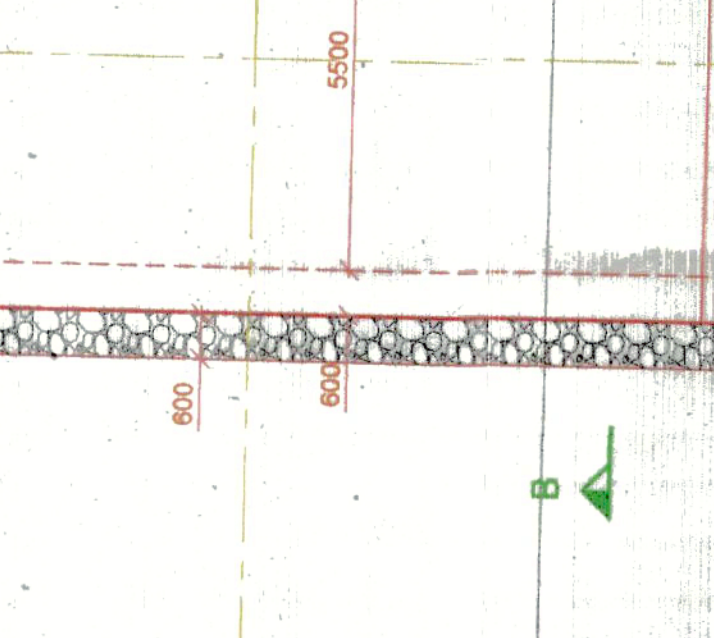
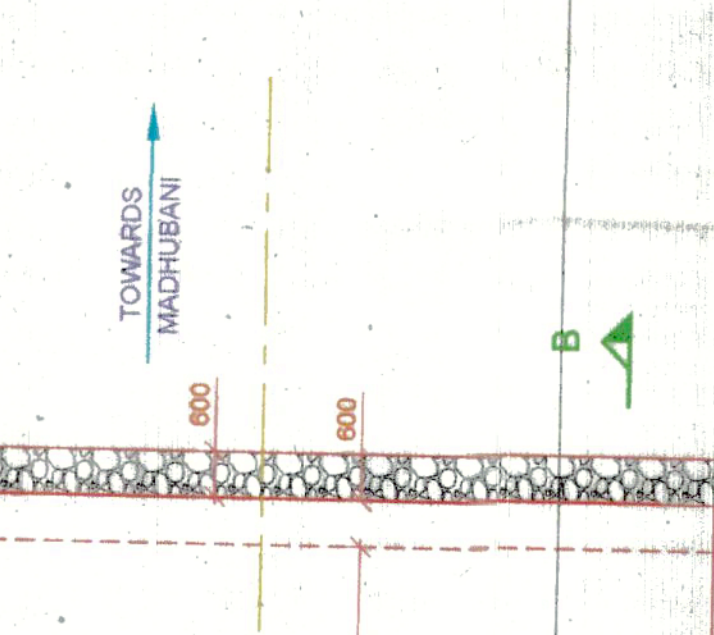
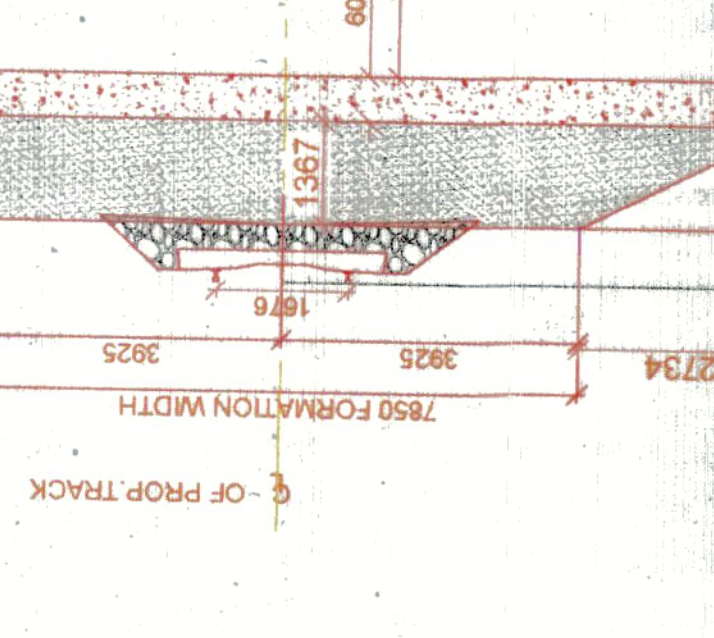
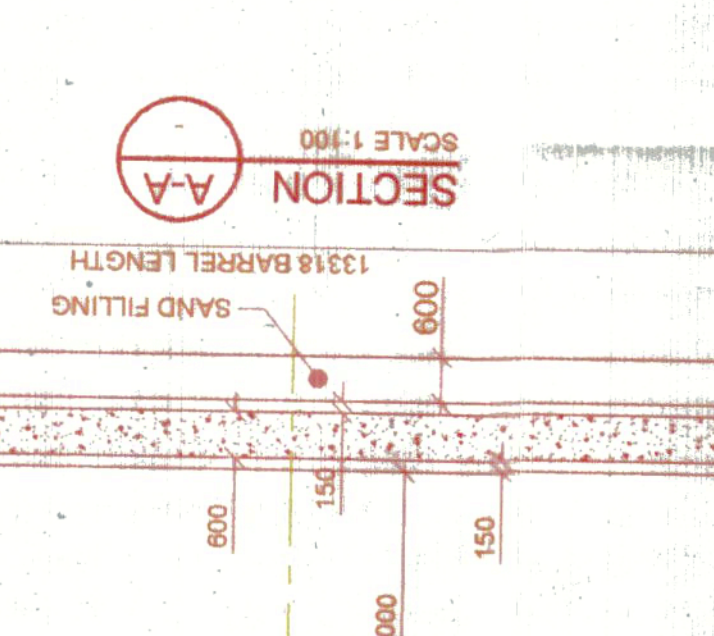
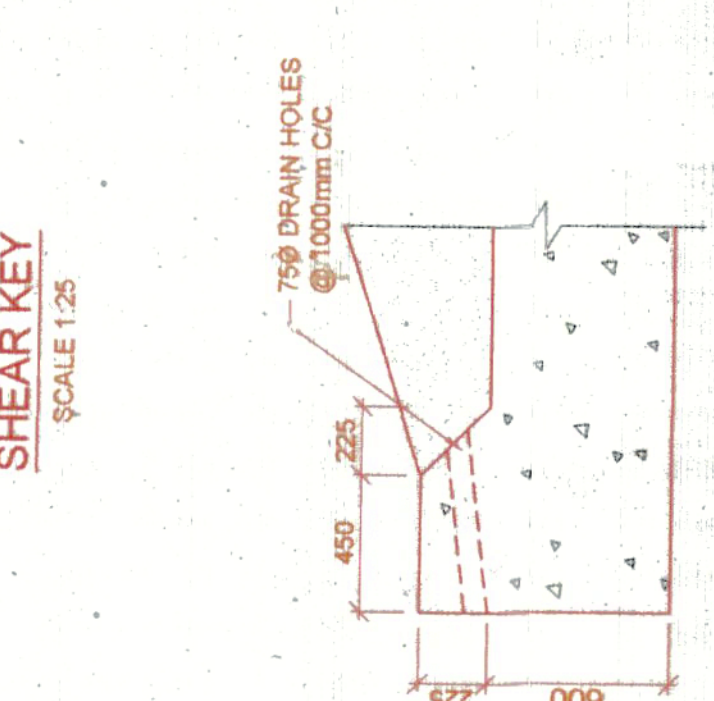
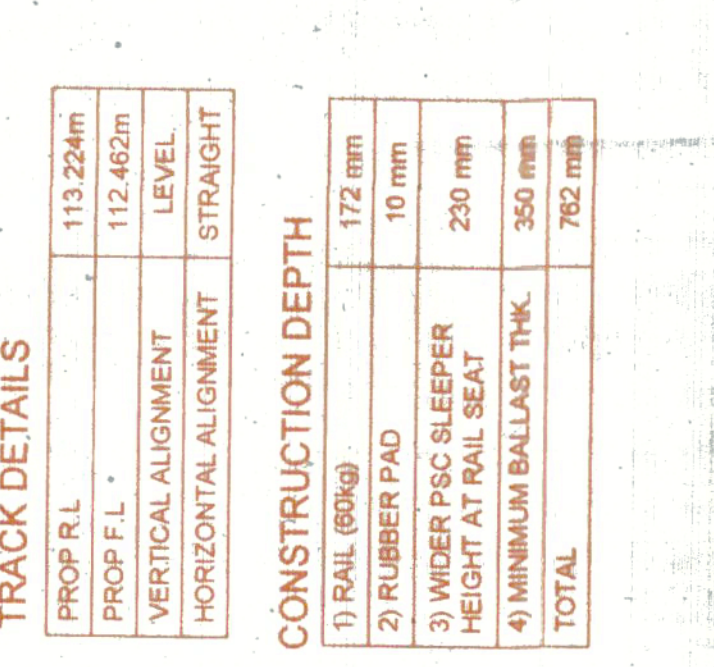
DEPTH (M)	SPT N VALUE	DESCRIPTION OF SOIL	IS CLASSIFICATION
0.00 - 0.50	1	SM	LOOSE TO MEDIUM DENSE
0.50 - 0.95	7		
1.50 - 1.95	10		
3.00 - 3.45	12		
4.50 - 4.95	14		
6.00 - 6.45	15		
7.50 - 7.95	16		

BRIDGE NO. :- 30

PROF R/L	113.439
PROF F.L.	112.707
ROAD LEVEL	106.740
FOUNDING LEVEL	105.840

BOREHOLE NO. :- 01

PROF R/L	113.439
PROF F.L.	112.707
ROAD LEVEL	106.740
FOUNDING LEVEL	105.840



LOADING STANDARD
25-TAXI LOAD-2008

CLIENT: NORTH EASTERN RAILWAY
PROJECT: CHITAU NI-TAMKUI ROAD NEW LINE
PART-1
TITLE: GENERAL ARRANGEMENT DRAWING FOR PROPOSED BR NO 30 (1X5.5MX4.0M) (RUB) KM 17/7-8
BETWEEN STATION - CHITAU NI-MADHUBANI KM - 17/7-8 CH - 17788.839M
TYPE OF MAP - GENERAL ARRANGEMENT DRAWING
FILE NO - AAA2644/STR/BR NO. 30 /GAD/001
CONSULTANT
CE Plan No B/14/02-11/14/15/24 SCALE AS SHOWN
Date 30/05/2025 SHEET 1/1

CE / CON / I/GKP (SUNAY KANDIA)
DY. CE / CON / P&D (PANKAJ PANDEY)
XEN / CON / GKP (SHASHI KANT SINGH)
XEN / C / DESIGN (R.K. SINGH)
CONSULTANT'S SIGNATURE (R.K. SINGH)

BOREHOLE PROFILE

DEPTH (M)	SPT N VALUE	DESCRIPTION OF SOIL	IS CLASSIFICATION
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