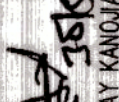




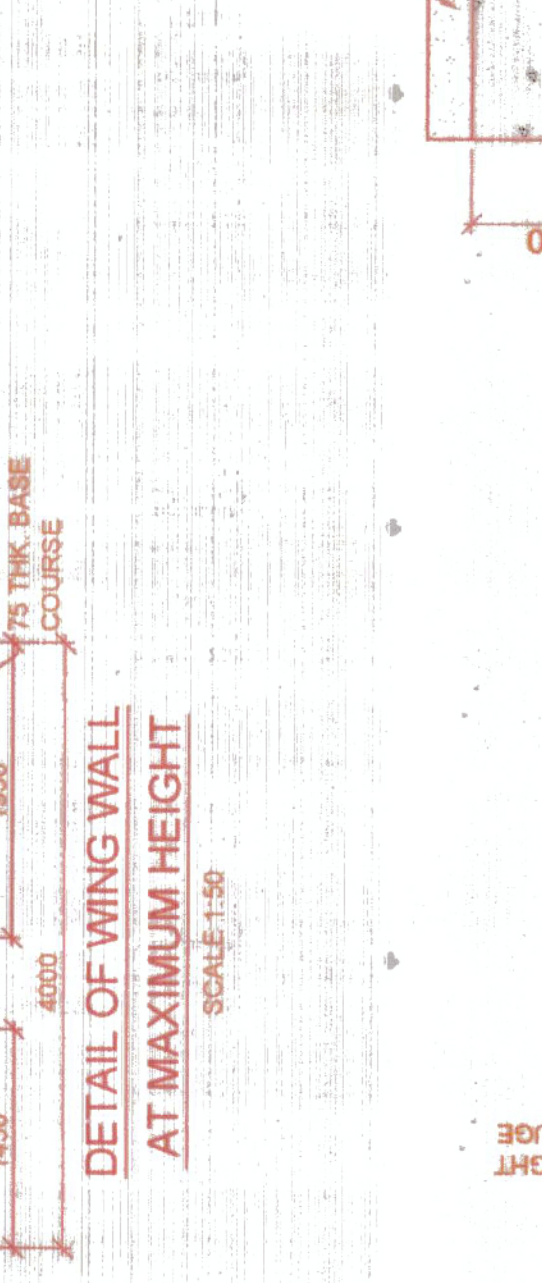
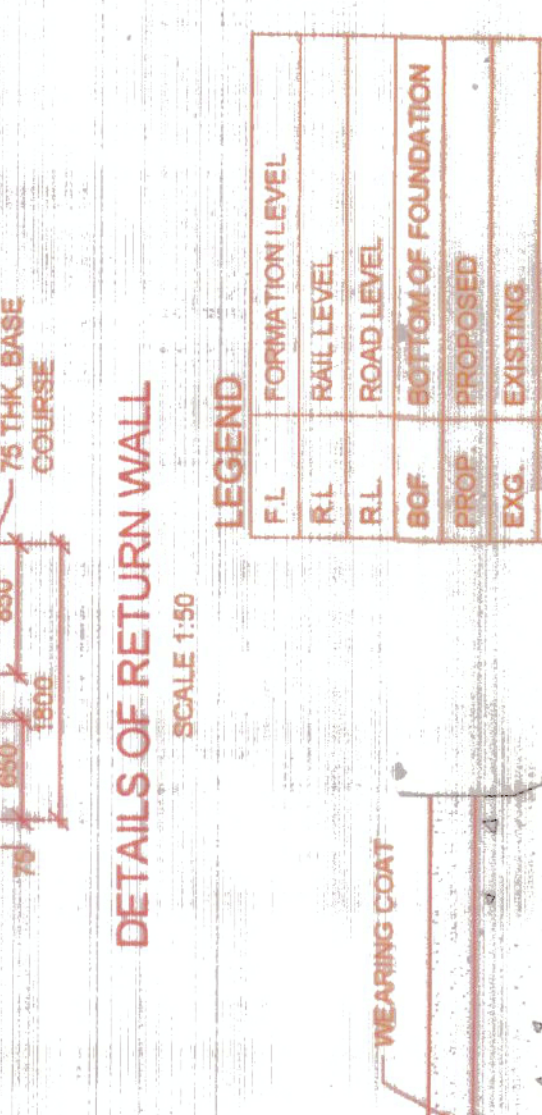
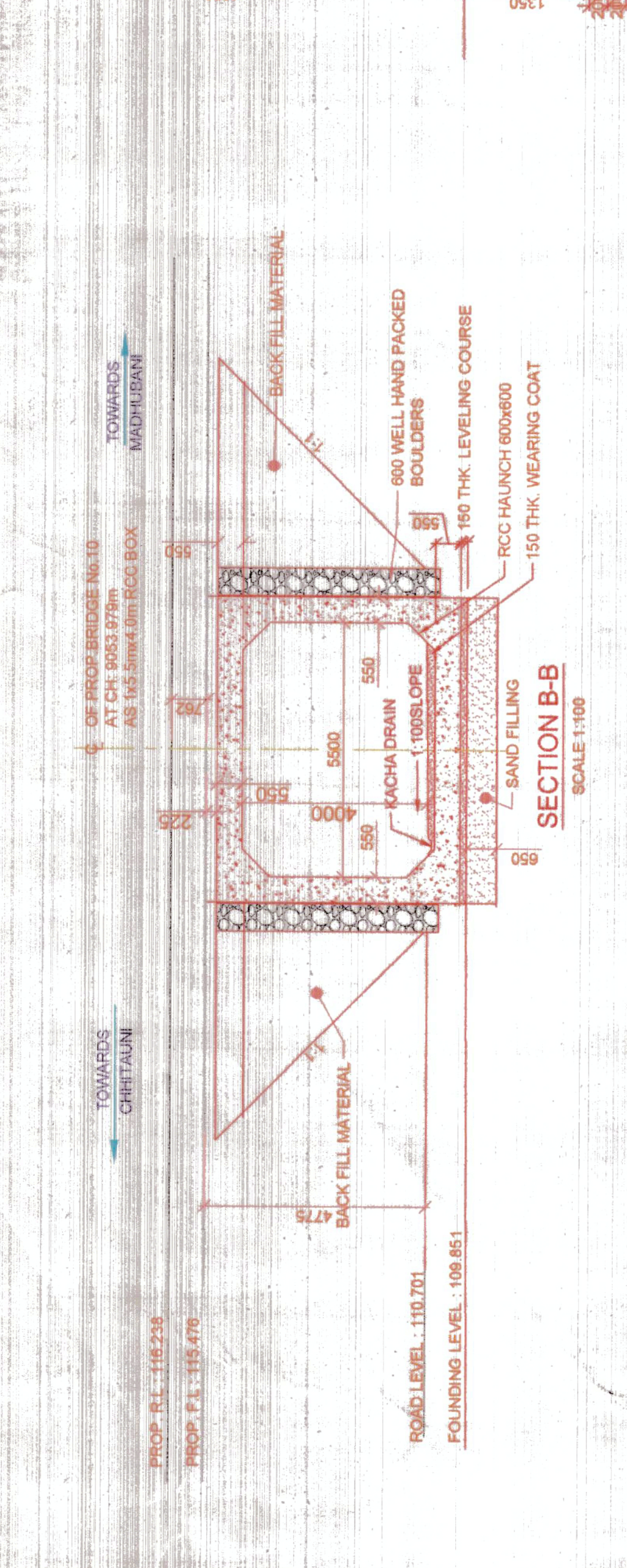
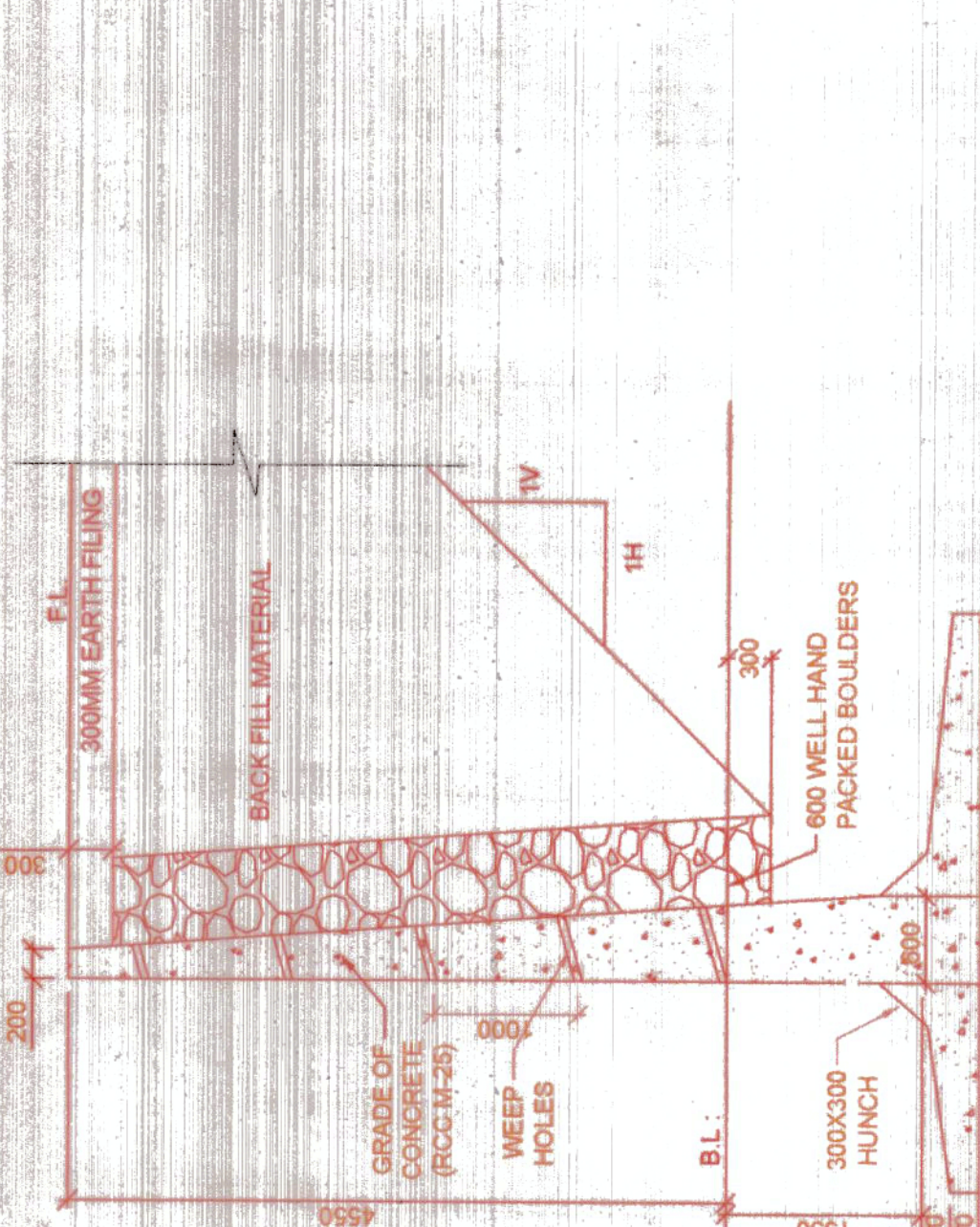


NOTES:

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 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/Cobbles TO A THICKNESS NOT LESS THAN 100mm.
8. DRAWING & AS PER CLAUSE 7.5 OF IRC BRIDGES SUB STRUCTURE AND FOUNDATION CODE.
9. MAXIMUM DESIGN FOUNDATION PRESSURE COME OUT 119kN/m². FOR REINFORCEMENT DETAIL OF RCC BOX SEE DRAWING NUMBER PSC/BO-101353.

10. RCC BOX WITH JOINT CONSTRUCTION AS PER DRAWING NUMBER RDSO/B-101352/R & RDSO/B-101352/RZ.
11. EPOXY GROUTING WITH G1 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 ON BOTH APPROACHES SHED WILL BE AS PER DRAWING & DESIGN IF REQUIRED.
15. BEHIND RCC BOX WALL HAND PACKED COBBLES/TO BRICKS TO A THICKNESS NOT LESS THAN 600MM WITH SMALLER SIZE TOWARDS BACK FILL, SHALL BE PROVIDED AS PER DESIGN. AS PER CLAUSE 7.5 OF RCC BRIDGE SUB STRUCTURE & FOUNDATION CODE.
16. TOP OF RETAINING WALL SHALL BE KEPT MINIMUM 500 MM ABOVE THE EXISTING FLOOR LEVEL AT ALL LOCATIONS IN APPROACH.
17. BEFORE EXECUTION OF WORK FEASIBILITY WILL BE CHECKED BY SITE ENGINEER. LAYOUT SHOULD BE CHECKED BY AXEN/WM/CON & ALL REFERENCE, PILLARS & LINE SHOULD BE KEPT INTACT TILL THE ENTIRE WORK IS COMPLETED.
18. HEIGHT GAUGE, SPEED BREAKER WARNING BOARD ETC SHOULD BE PROVIDED ON BOTH END OF THE SUBWAY.
19. RCC WATER COLLECTION CHAMBER FOR THE RAINWATER, INFILTRATING WITH RCC FLOOR AND WALL SO THAT NO INGRESS OF GROUND WATER IN IT.
20. AS THE WALL THAT NO INGRESS OF GROUND WATER IN IT.
21. THE WATER LEVEL SHOULD BE KEPT AT LEAST 150 MM ABOVE THE EXISTING FLOOR LEVEL TO PROTECT THE RIS FROM WATER LOGGING ETC.
22. RECOMMENDATION GIVEN IN RLY BD'S LETTER NO. C/CE-VINUB/86DT/2020/2020 SHOULD BE FOLLOWED AS PER SITE CONDITION.
23. LAND WILL BE ACQUIRED AS PER SITE CONDITION.
24. CURB/RETURN WALL AS PER C/CON. PLAN NO. B/74/02-11 DT.- 11.02.11
25. WINDING/DROP WALL TO BE PROVIDED AND DESIGNED PER SCOUR REQUIREMENTS.
26. TYPE OF ROAD IS VILLAGE ROAD.
27. SHARP CURVE IN THE APPROACH ROAD TO BE AVOIDED.
28. HEIGHT GAUGE AS PER RDSO DRG. RDSO/M-0001.
29. SOIL BEARING CAPACITY AFTER STRENGTHENING OF SOIL AND CONFIRMED BY PLATE LOAD TEST SHOULD BE MENTIONED IN COMPLETION PLAN.
30. PUMP AS PER RDSO DRAWING NO. B-10159.
31. BOULDER PACKING BEHIND WING AND RETURN WALL MUST BE AS SHOWN IN SECTION.
32. FIELD UNIT MUST PRE-VALIDATE ALL DATA AND LEVELS BEFORE STARTING

LOADING STANDARD 2ST AXLE LOAD-200T	PANKAJ PANDIT <small>DESIGNED BY DATE: 20.05.2024 BY: 20.05.2024</small>		CE / CON / I/GKP		 (SARAT KANUJA)
	DY. CE / CON / BSB	(PANKAJ PANDEY)	DY. CE / CON / P&D	(SHILDESA SINGH)	
	SHASHI KANT SINGH <small>DESIGNED BY DATE: 20.05.2024 BY: 20.05.2024</small>	(S.K. SINGH)	XEN / C / GKP.	XEN / C / DESIGN	 (R.K. SINGH)
CONST. & HQ. OFFICER'S SIGNATURE					
CLIENT: NORTH EASTERN RAILWAY					
PROJECT: CHITAUNI-TAMUKHI ROAD NEW LINE PART-1					
TITLE: GENERAL ARRANGEMENT DRAWING FOR PROPOSED BR. NO. 10 (1X5.5MX4.0M) (RUB) KM 9/0-1					
BEFORE STATION :CHITAUNI-MADHUBANI KM: 9/0-1 CH- 9053.979m					
TYPE OF MAP : GENERAL ARRANGEMENT DRAWING					
FILE NO. AAA/2644/STRIBR/NO. 10/GAD/001					
CONSULTANT					
 airvec associates <small>airvec associates is a subsidiary part of A&E</small>			SCALE	AS SHOWN	
CE Plan No.			Date: 15/05/2025		



THICKNESS	
CH	PLAIN CEMENT CONCRETE
PCC	REINFORCED CEMENT CONCRETE
RCC	BRIDGE

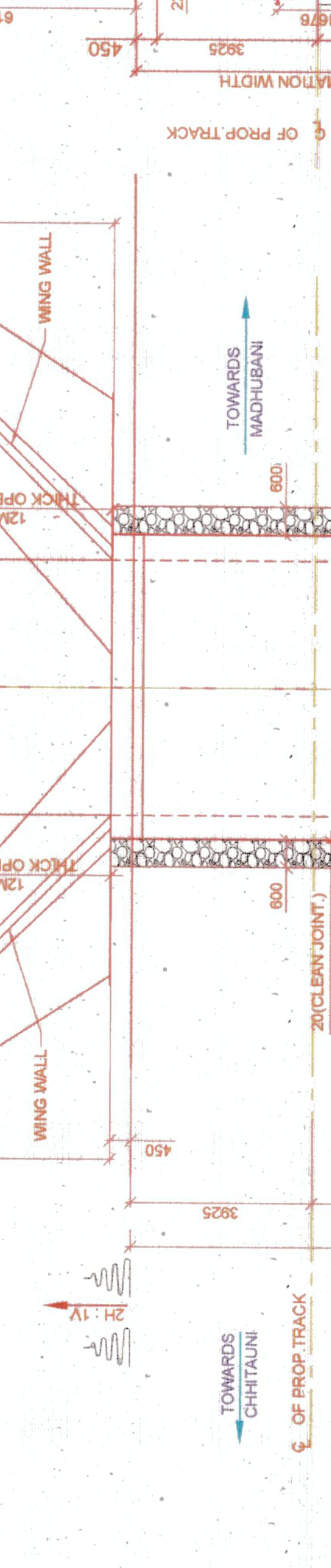
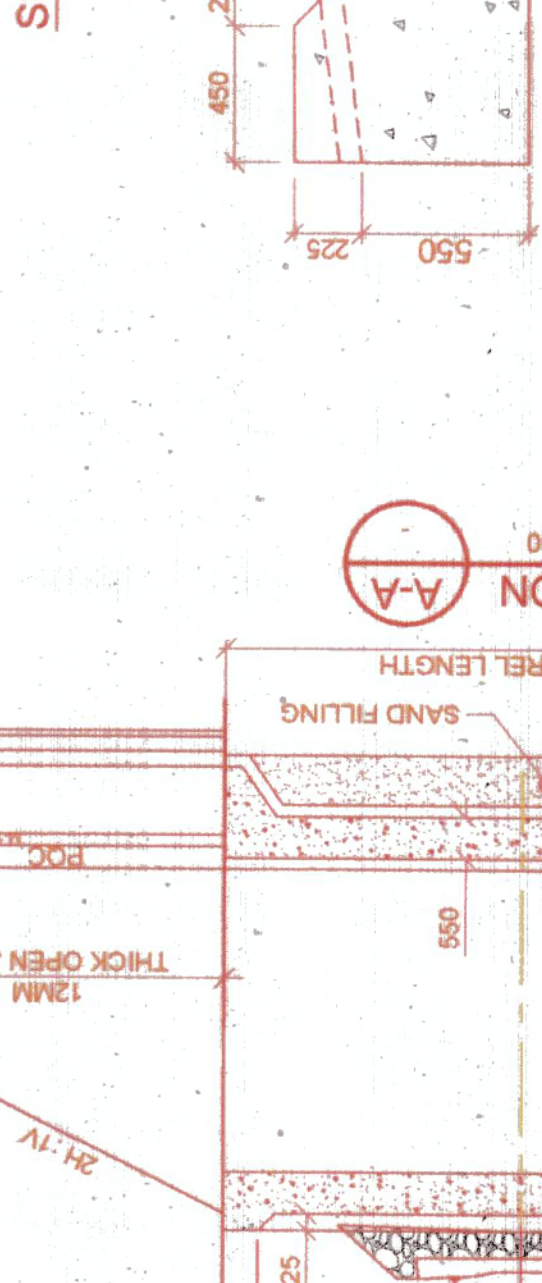
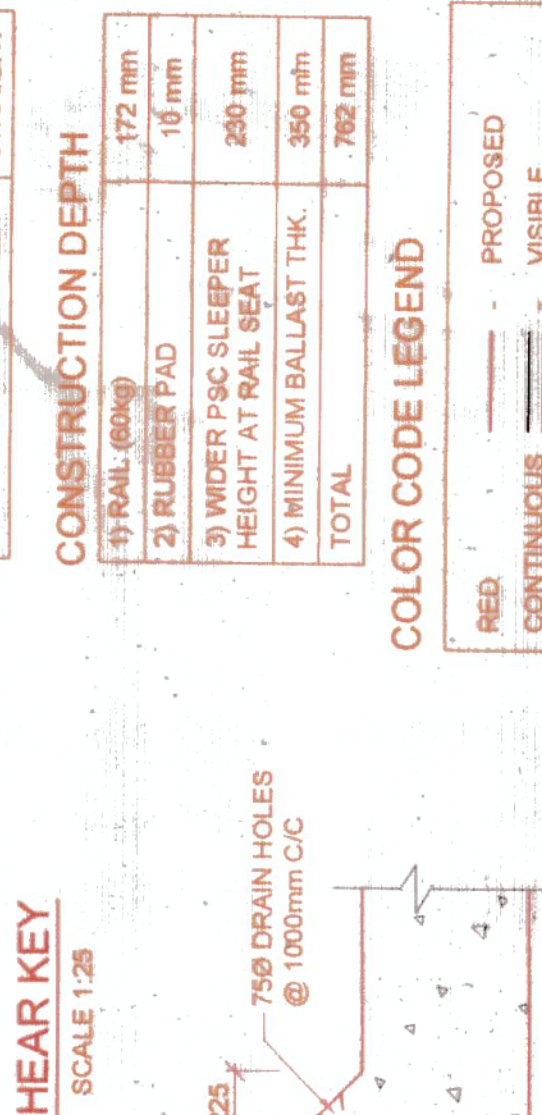
TRACK DETAILS

PROP R/L	116.238m
PROP F/L	115.476m
HORIZONTAL ALIGNMENT	1 IN 500 F
VERTICAL ALIGNMENT	STRAIGHT

Architectural drawing showing a section of a wing wall and a return wall. The drawing includes the following dimensions and labels:

- Overall width of the wing wall section: 1800
- Width of the return wall: 1500
- Height of the return wall: 2000
- Height of the wing wall section: 200
- Labels: "WING WALL", "RETURN WALL", "JOINT", "HEIG WALL", "GALL"

Technical drawing of a road cross-section. The drawing shows a road with a central hump and two return walls on either side. The hump is labeled "HUMP" and has a height of 75. The return walls are labeled "RETURN WALL" and have a height of 3000. The drop curtain wall is labeled "DROP CURTAIN WALL" and has a height of 3000. The road is labeled "ROAD". The drawing includes dimensions for the hump (75), the return walls (3000), and the drop curtain wall (3000). It also shows the road width (6100) and the distance from the hump to the return walls (3000). The drawing is a technical drawing of a road cross-section.



The diagram illustrates a borehole profile with several labeled components:

- RETAINER**: A vertical bar on the left side.
- SCALE 1:25**: A scale indicator below the retainer.
- DOTTED**: A horizontal dashed line representing a specific depth or feature.
- BLACK**: A solid black horizontal bar representing another feature.
- VISIBLE**, **INVISIBLE**, **EXISTING**, **TO BE DISMANTLED**: Labels indicating different states or types of structures along the profile.
- SECTION: CHITRAUNI TO MADHUBANI**: The title of the section.
- Bore Hole Terminated at : 70.45M.**: A note indicating the termination point of the bore hole.
- LOCATION**: A label pointing to a specific area on the right side of the diagram.
- (M)**: A unit indicator for meters.

SECTION 8750 BAR

SCALE 1:10

150

4000

650

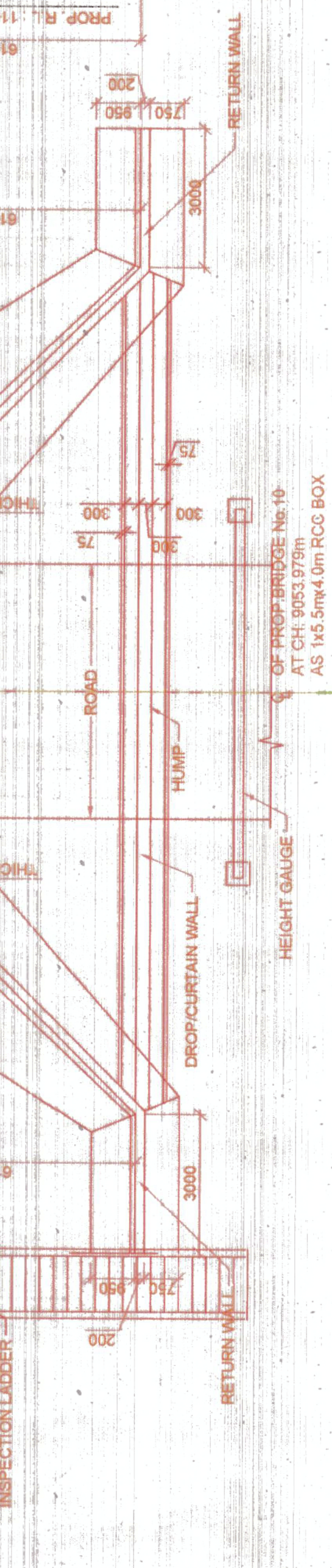
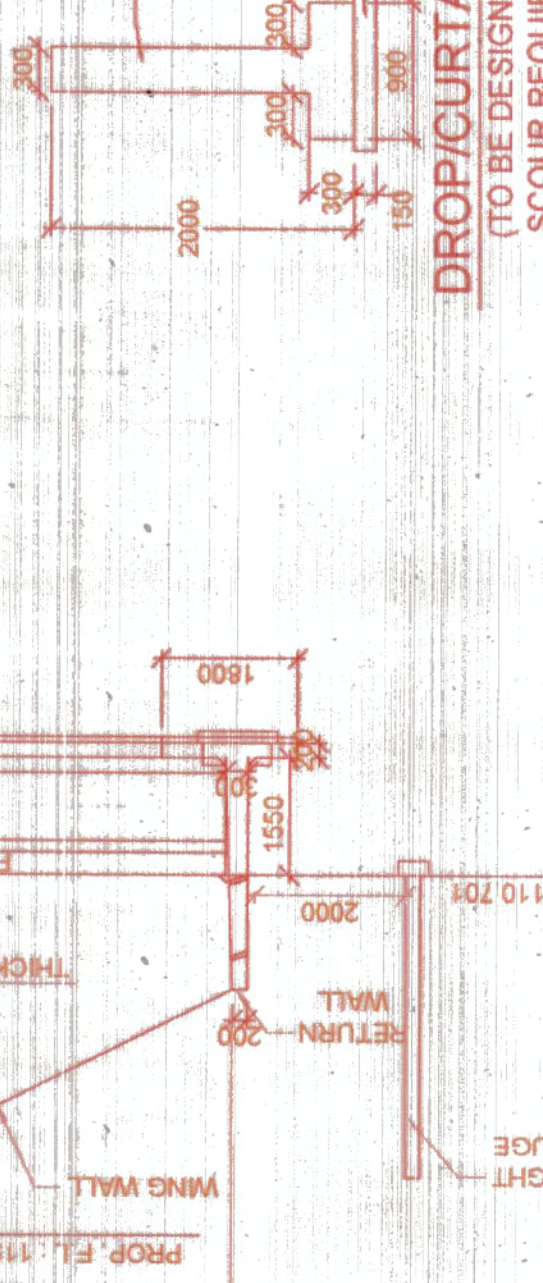
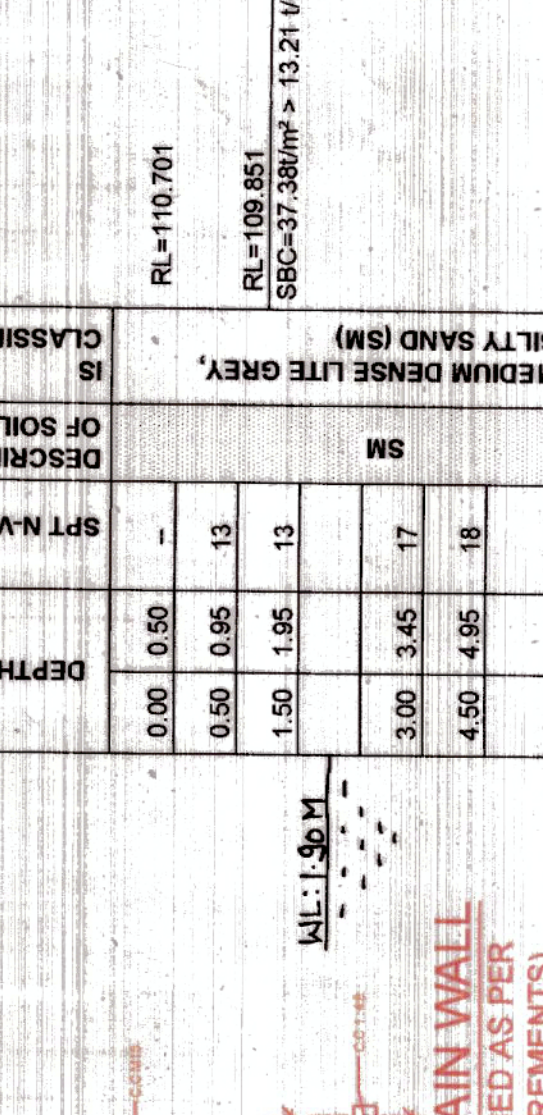
4550

4775

1200

FORM OPEN JOINT

Architectural drawing of a building section showing two wings. The drawing includes labels for 'WING WALL' and '2MM OPEN JOINT'. Dimensions are provided in millimeters: 7650, 3925, 450, 550, and 100. A north arrow is located at the bottom right, pointing towards the top right of the page.



CONGRP	SSEDGSCONCGRP	(R.K. SINGH)	<i>R.K. Singh</i>	JEDES/CONCGRP	(BILL. AMAD)	SSED/DES/CONCGRP	DRAWN
<p>BRIDGE NO.: 10 BOREHOLE NO.: 01</p>							
<p>6.00 6.45 16</p>		<p>7.50 7.95 20</p>					

FOR EPC
TENDER ONLY

S.NO.	BR. NO.	CHANGAGE	SIZE OF STRUCTURE	SKREW ANGLE	R.L	FL	G.L	P.R.L	FL
			NO.SPAN (M)XHT. (M)	DEGREE	RAIL LEVEL	FORMATION LEVEL	GROUNDLEVEL /EXISTING ROAD LEVEL	PROP. ROAD LEVEL	FOUNDING LEVEL
1	10	9053.979	1X5.5X4.0	0°	116.238	115.476	110.701	110.701	109.851