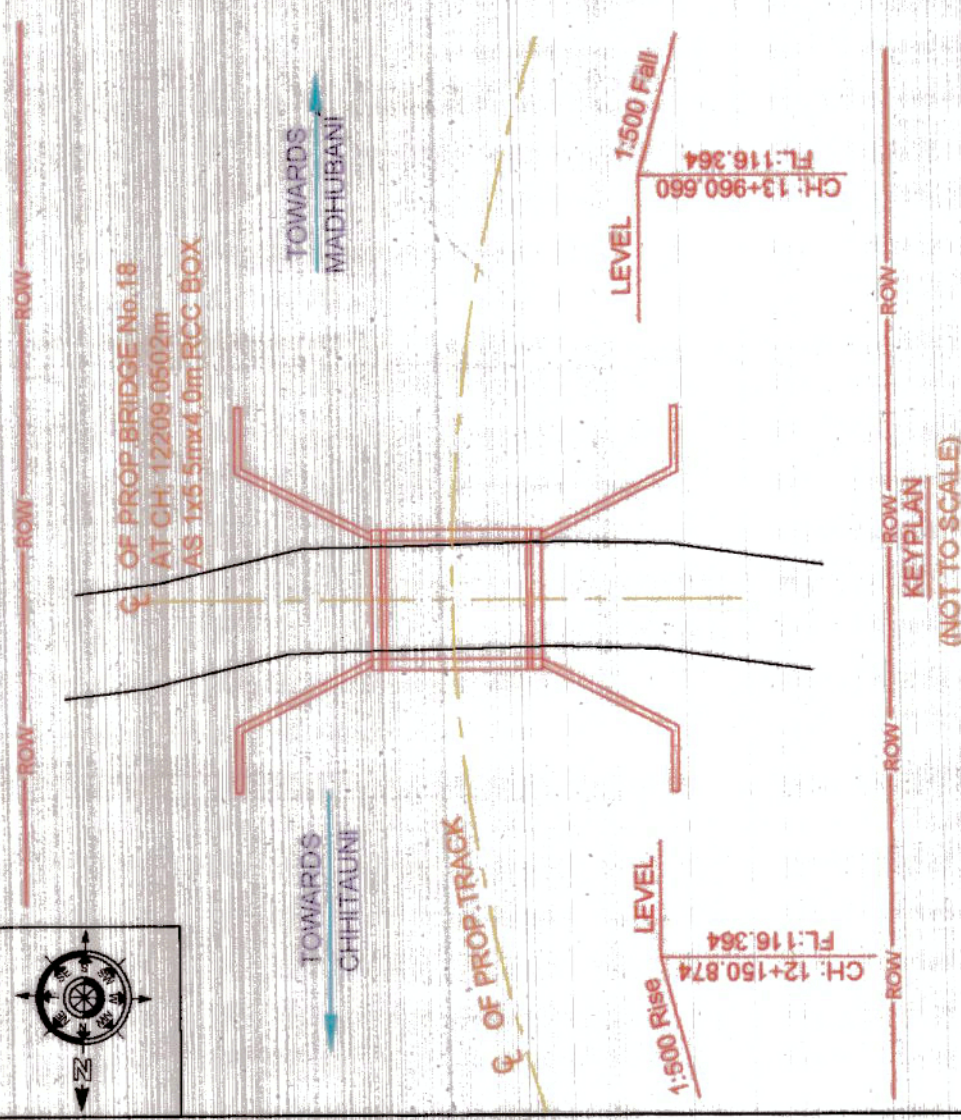


AUTHORITY OF WORK  
PINK BOOK- 2024-25  
PAGE NO.- 4:2:1  
ITEM NO. - 5



NOTES:  
1. DIMENSIONS ARE IN MM AND LEVELS ARE IN METERS UNLESS OTHERWISE SPECIFIED.  
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/COBBLER TO A THICKNESS NOT LESS THAN 600 MM WITH SMALLER SIZE TOWARD 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 125KN/m<sup>2</sup>.  
9. FOR REINFORCEMENT DETAIL OF RCC BOX SEE DRAWING NUMBER RD50/B-10155/1 & RD50/B-10155/2.  
10. RCC BOX WITH KEY CONSTRUCTION AS PER DRAWING NUMBER RD50/B-10155 & RD50/B-10155/1.  
11. EPOXY GROUTING WITH G1 SHEET ON BOTTOM OF JOINTS TO BE PROVIDED TO PREVENT ANY LEAKAGE OF WATER IF REQUIRED.  
12. ALL JOINTS SHALL BE PROVIDED WITH 100% CEMENT CONCRETE 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/COBBLER TO A THICKNESS NOT LESS THAN 600 MM WITH SMALLER SIZE TOWARD BACK FILL, SHALL BE PROVIDED AS PER DRAWING & AS PER CLAUSE 7.5 OF IRC BRIDGES 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 KEPT INTACT TILL THE ENTIRE WORK IS COMPLETED.  
20. HEIGHT GAUGE, SPEED BREAKER WARNING BOARD ETC SHOULD BE PROVIDED ON BOTH APPROACHES.  
21. 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/880T/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 DESIGN.  
26. CURTAIN/DROP WALL TO BE PROVIDED AND DESIGNED PER SCOUR REQUIREMENTS.  
27. SHARP CURVE IN THE APPROACH ROAD TO BE AVOIDED.  
28. TYPE OF ROAD IS VILLAGE ROAD.  
29. HEIGHT GAUGE AS PER RD50 DRG. RD50/M-401.  
30. SOIL BEARING CAPACITY AFTER STRENGTHENING OF SOIL AND CONFIRMED BY PLATE LOAD TEST SHOULD BE NOTED IN THE COMPLETION PLAN.  
31. DIMENSIONS OF ROAD SHALL BE AS PER RD50 DRG. RD50/M-401.  
32. BOULDER PACKING BEHIND WING AND RETURN WALL MUST BE AS SHOWN IN SECTION.

DETAILS OF RETURN WALL  
SCALE 1:50

FORMATION LEVEL	PROPOSED
F.L.	PROPOSED
R.L.	PROPOSED
R.O.D.	PROPOSED
BOF	PROPOSED
PROF.	PROPOSED
EXG.	PROPOSED
THK.	PROPOSED
CH.	PROPOSED
PCC	PROPOSED
RCC	PROPOSED
BR.	PROPOSED

TRACK DETAILS	PROPOSED
PROP R.L.	117.144m
PROP F.L.	110.382m
HORIZONTAL ALIGNMENT	CURVE
CONSTRUCTION DEPTH	
1) RAIL (60kg)	172 mm
2) RUBBER PAD	10 mm
3) WIDER PSC SLEEPER	230 mm
HEIGHT AT RAIL SEAT	350 mm
4) MINIMUM BALLAST THK.	762 mm
TOTAL	

COLOR CODE LEGEND	PROPOSED
RED	PROPOSED
CONTINUOUS	VISIBLE
DOTTED	INVISIBLE
BLACK	EXISTING
	TO BE DISMANTLED

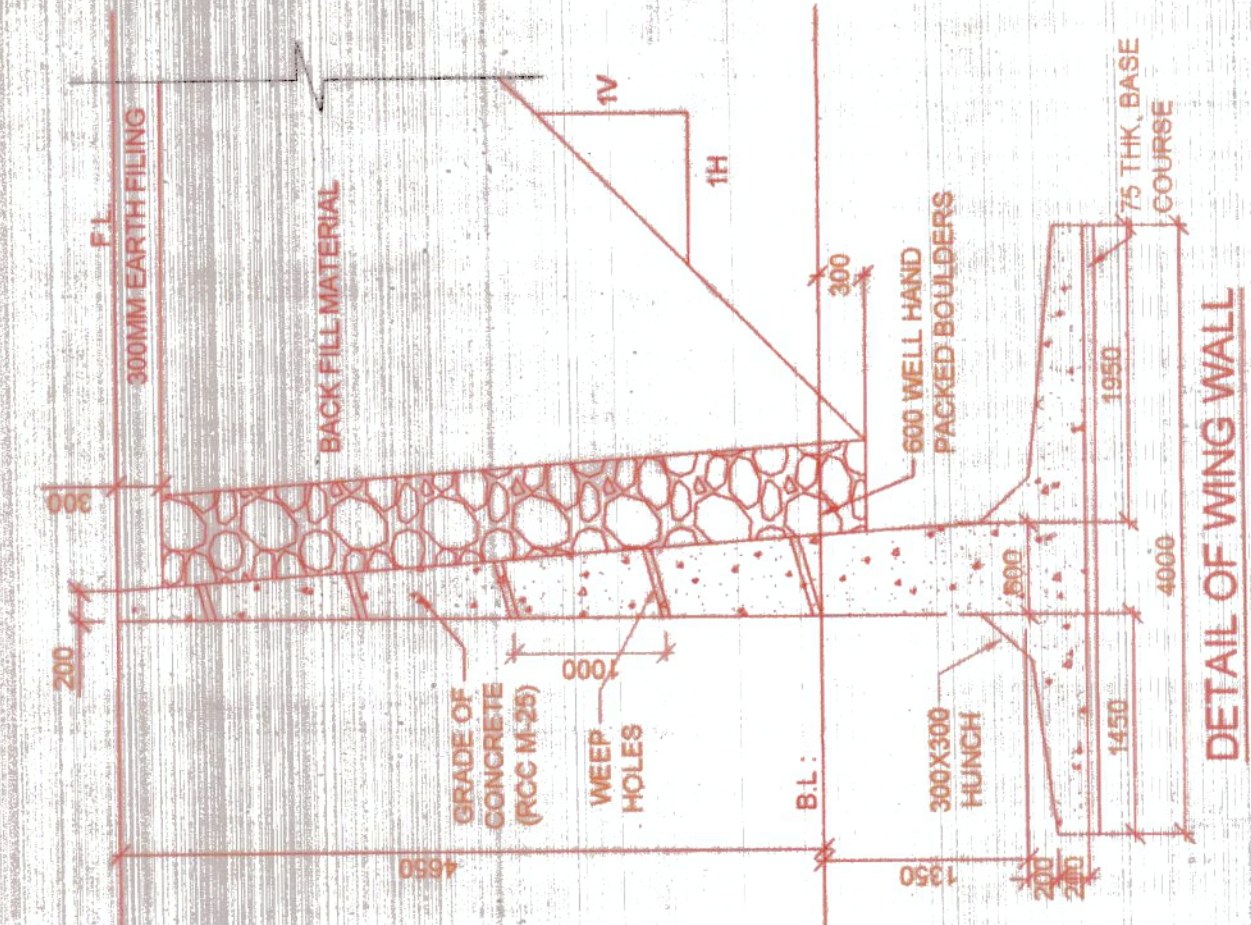
BOREHOLE PROFILE  
SECTION: CHITANI TO MADHUBANI  
Bore Hole Terminated at: 10.45M.

DEPTH (M)	SPT N-VALUE	DESCRIPTION OF SOIL	IS CLASSIFICATION	ML	SM
0.00	0.50				
0.50	0.95				
1.50	1.95				
3.00	3.45				
4.50	4.95				
6.00	6.45				
7.50	7.95				

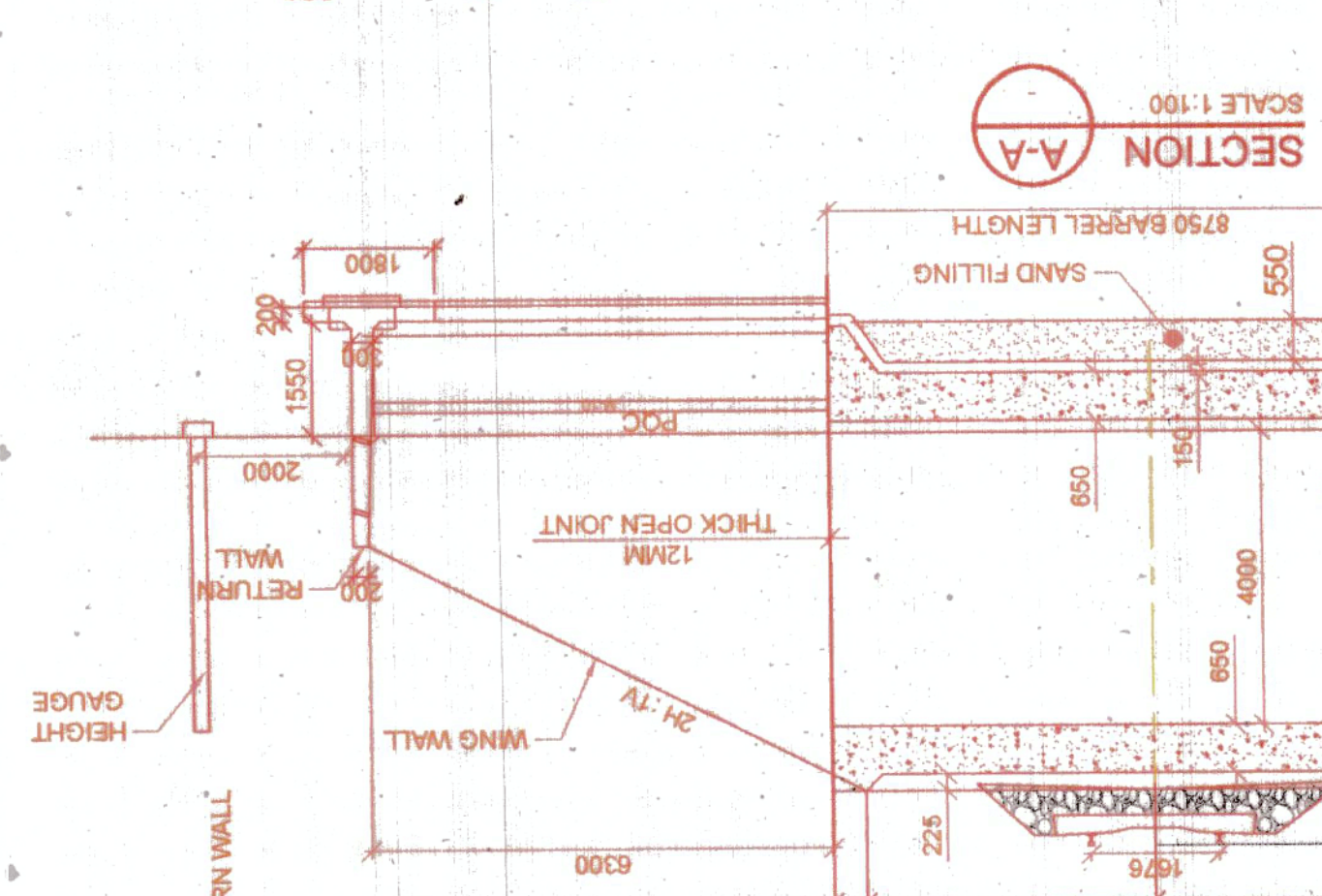
BRIDGE NO.: 18  
BOREHOLE NO.: 01

FOR EPC  
TENDER ONLY

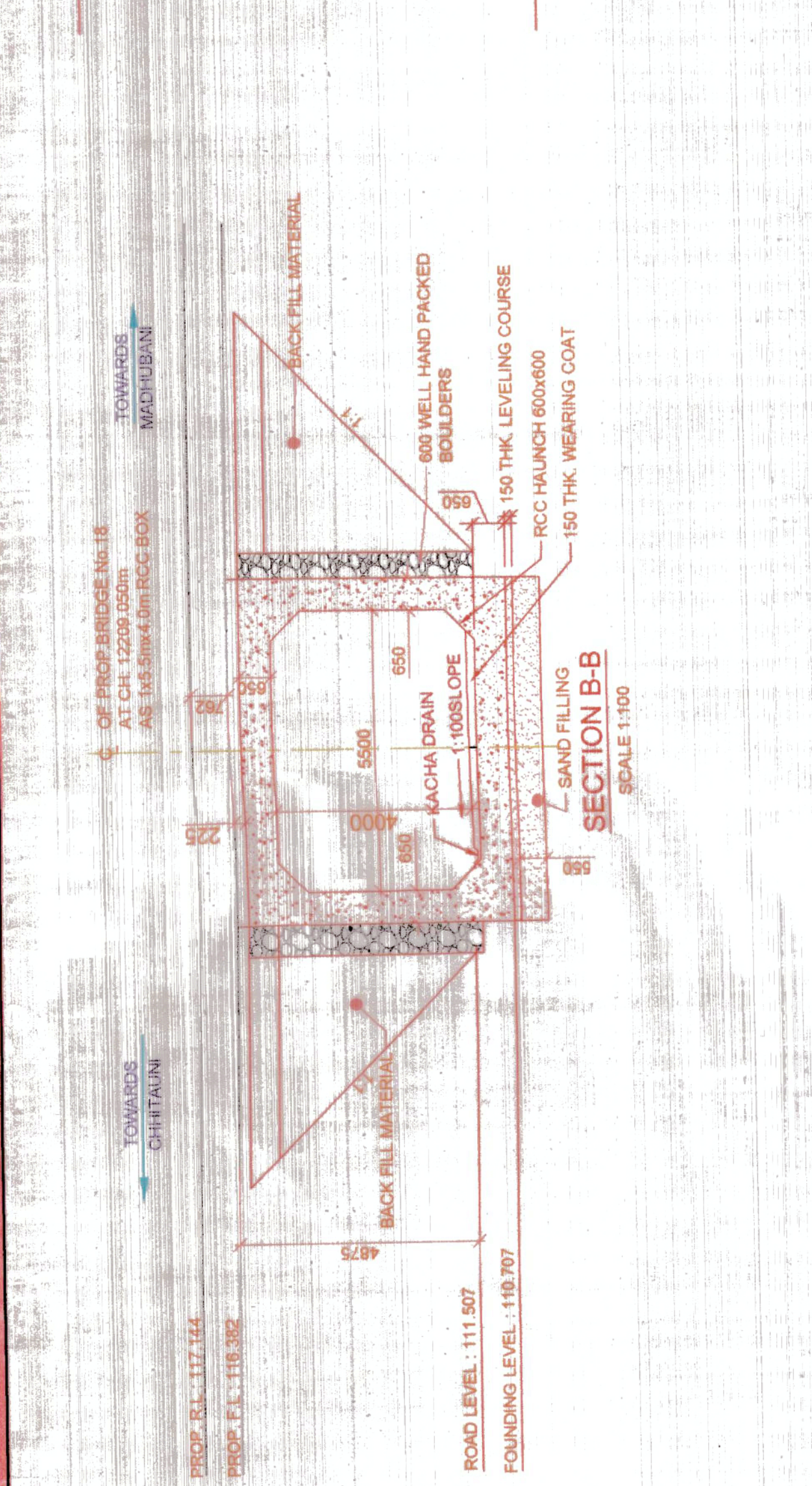
CE PLAN NO- BIRUBICTE-70/141/15-2025 4+ 30-5-2025



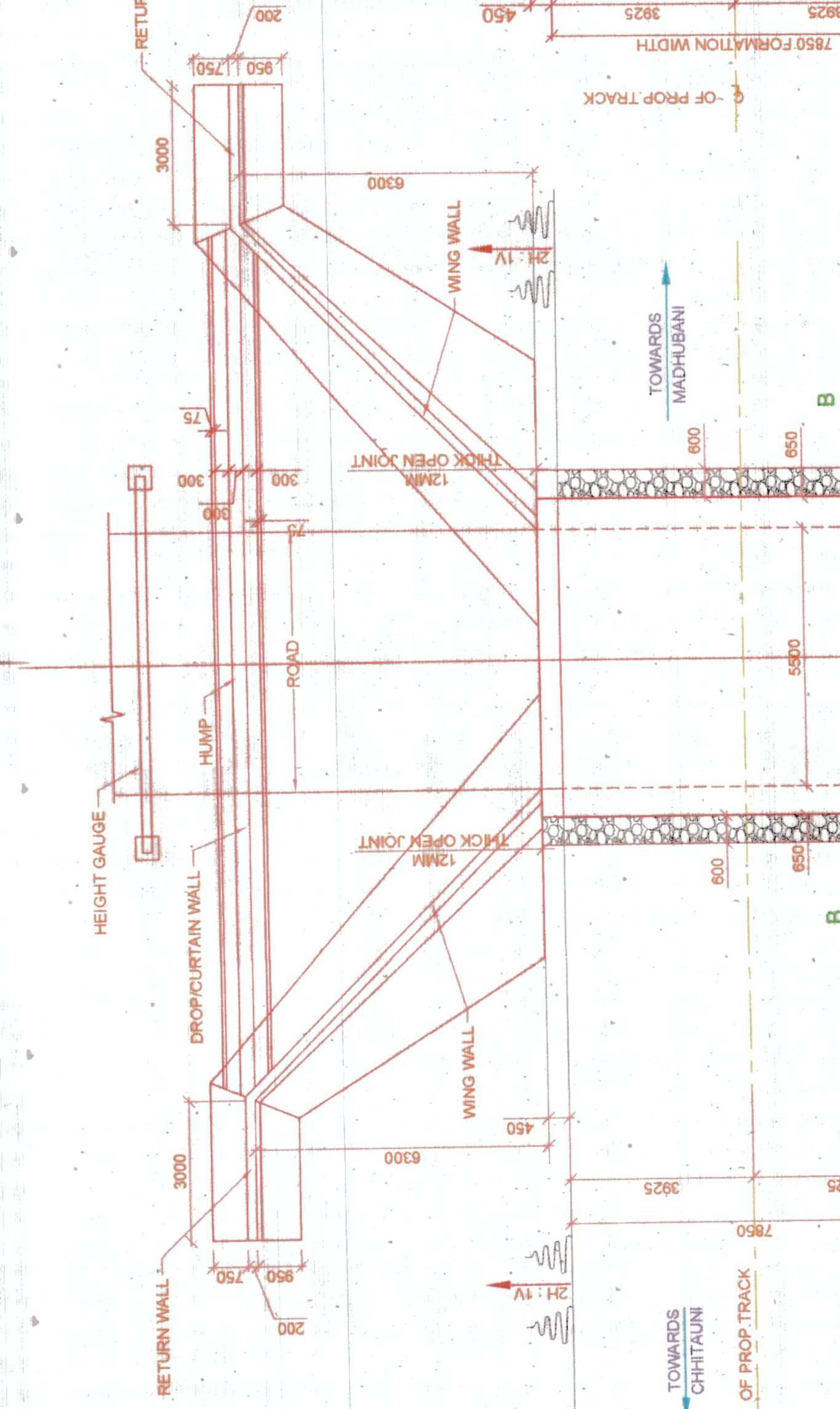
DETAIL OF WING WALL  
AT MAXIMUM HEIGHT  
SCALE 1:50



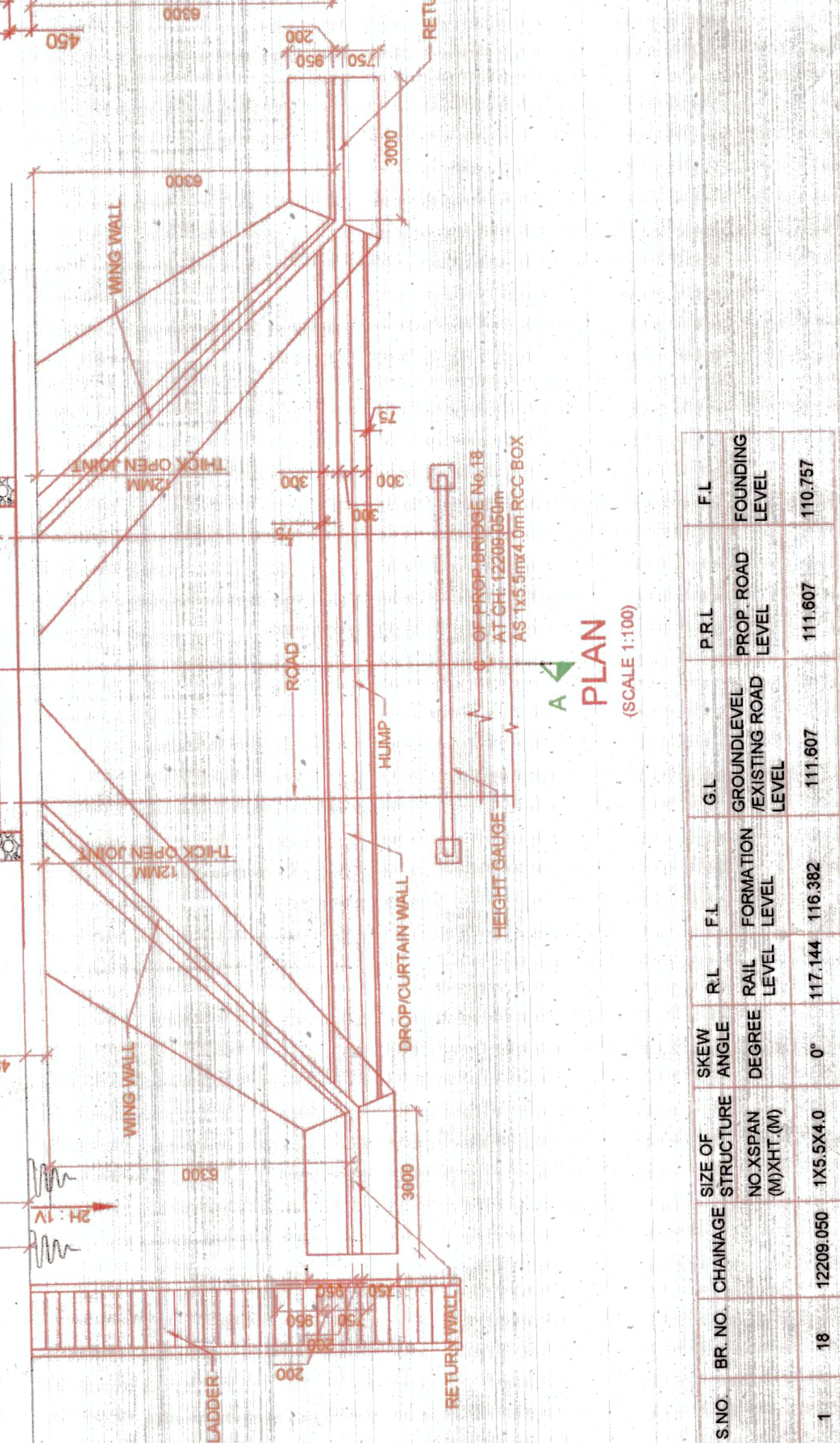
SECTION B-B  
SCALE 1:100



DETAILS OF RETURN WALL  
SCALE 1:50



SECTION A-A  
SCALE 1:100



S.NO.	BR. NO.	CHAINAGE	SIZE OF STRUCTURE	SKREW ANGLE	R.L.	FL.	GL.	PROF. ROAD LEVEL	F.L.
1	18	12208.050	1X5.5X4.0	0°	117.144	110.757	111.807	111.807	110.757