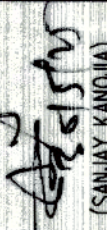

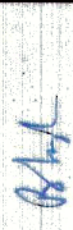



Key plan (not to scale) showing the proposed bridge layout. The plan includes the 'C. OF PROP. TRACK' (Center of Proposed Track) and 'C. OF PROP. BRIDGE No. 9'. It also shows the 'EXISTING MUD ROAD' and 'POND'. The plan is oriented with 'TOWARDS CHHATAUNI' on the left and 'TOWARDS MADHUBANI' on the right. Key elevations are marked: 'CH-7+680.900' and 'FL-116.926' on the left, and 'CH-8+083.902' and 'FL-116.926' on the right. The plan is labeled 'KEY PLAN (NOT TO SCALE)'.

7. BEHIND RCC BOX WELL HAND PACKED BOULDERS/COBBLES TO A THICKNESS NOT LESS THAN 600 MM WITH SMALLER SIZE TOWARD, 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 140KN/m².
9. FOR REINFORCEMENT DETAIL OF RCC BOX SEE DRAWING NUMBER.
10. RDSO/B-101352/R & RDSO/B-101523/R.
11. RDSO/B-101352/R.
12. POXY GROUTING WITH G1 SHEET ON BOTTOM OF JOINTS TO BE PROVIDED TO AVOID ANY LEAKAGES AT JOINT. IF REQUIRED.
13. STABLE GRANULAR MATERIALS TO BE PROVIDED BELOW RCC BOX TO IMPROVE BEARING CAPACITY OF SOIL, IF REQUIRED.
14. FOR RCC WORK OF DESIGN MIXED M55 WILL BE USED EXCEPT UNLESS OTHERWISE SPECIFIED.
15. WATERPROOFING COMPOUND MIX WITH CONCRETE FOR WATERPROOFING ON BOTH APPROACHES SHALL BE AS PER DRAWING & DESIGN IF REQUIRED.
16. BEHIND RCC BOX WELL 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. LAYOUT SHOULD BE CHECKED BY AXEN/AXEN/CON & ALL REFERENCE, PILLARS & LINE GAUGE SHOULD BE KEPT INTACT TILL THE ENTIRE WORK IS COMPLETED.
19. HEIGHT GAUGE, SPEED BREAKER WARNING BOARD ETTO SHOULD BE PROVIDED ON BOTH END OF THE SUBWAY.
20. RCC WATER COLLECTION CHAMBER FOR THE RAINWATER, INFILTRATING INTO THE APPROACH ROAD AND THIS SHOULD BE CAST MONOLITHICALLY WITH RCC FLOOR AND WALL SO THAT NO LEAKAGE OF GROUND WATER IN IT.
21. AS THE GROUND WATER LEVEL IS HIGH ALL THE NECESSARY PRECAUTIONS TO BE TAKEN TO PROTECT THE LHS FROM WATER LOGGING ETC.
22. RECOMMENDATION GIVEN IN RLY RD'S LETTER NO. 2017/CE/1908/98DT. 22/04/2020 SHOULD BE FOLLOWED AS PER SITE LOCATION.
23. LAND WILL BE ACQUIRED AS PER SITE CONDITION.
24. WING/RETURN WALL AS PER CE/CON. PLAN NO. B/74/02-11 DT. - 11.02.11
25. RETAINMENT DROP WALL TO BE PROVIDED AND DESIGNED PER SCOUR PROTECTION.
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 MENTION IN COMPLETION PLAN.
30. HUMP AS PER RDSO DRAWING NO. B-10159
31. BOUNDARY PACKING BEHIND WING AND RETURN WALL MUST BE AS SHOWN IN SECTION.
32. FIELD UNIT OF WORK.
33. FIELD UNIT MUST RE-VALIDATE ALL DATA AND LEVELS BEFORE STARTING EXECUTION OF WORK.

CE / CON / I/GKP	 (SANJAY KAMDAR)	
DY. CE / CON / P&D PANKAJ PANDEY <small>Designated Authority 15.03.24-05.07.25</small>	 (SANJAY KAMDAR)	
(PANKAJ PANDEY) SHASHI KANT SINGH <small>Designated Authority 15.03.24-05.07.25</small>	 (S K SINGH)	
XEN / CON / DES	XEN / C / DESIGN	CONST. & HQ. OFFICER'S SIGNATURE
CLIENT: NORTH EASTERN RAILWAY		
PROJECT: CHITAUUNI-TAMKUHI ROAD NEW LINE		
TITLE : GENERAL ARRANGEMENT DRAWING FOR PROPOSED BR. NO. 9 (1X5.5MX4.0M) (RUB) KM 77-8		
BETWEEN STATION -CHITAUUNI-MADHUBANI KM. 77-8 CH. 7768.415M		
TYPE OF MAP : GENERAL ARRANGEMENT DRAWING		
FILE NO. AAA2844/STRUBR.NO. 05/GAD/001		
CONSULTANT		
		
CE Plan No.	SCALE	AS SHOWN
Date: 15/05/2025	SHEET - 1/1	

SECTION A-A

SCALE 1:100

12108 BARREL LENGTH

SAND FILLING

700

150

600

150

4000

800

600

235

600

1800

300

1550

1000

200

12MM

THICK OPEN JOINT

POC

WING WALL

RETURN WALL

HEIGHT GAUGE

TT

Architectural drawing showing a cross-section of a building structure. Key dimensions and labels include:

- 1800
- 1500
- 1550
- 2000
- 110.452
- 4600
- 5664
- 12MM
- 24 IN
- 200
- ROAD LEVEL
- THICK OPEN JOINT
- WING WALL
- RETURN WALL
- HEIGHT GAUGE

Technical drawing of a bridge structure, showing plan and elevation views.

Plan View (Top):

- Span lengths: 3000, 3925, 3925.
- Pier widths: 2128, 7850.
- Labels: RETURN WALL, DROP CURTAIN WALL, WING WALL, THICK OPEN JOINT.
- Dimensions: 3000, 3925, 3925, 2128, 7850.

Elevation View (Bottom):

- Labels: RETURN WALL, DROP CURTAIN WALL, WING WALL, THICK OPEN JOINT.
- Dimensions: 3000, 3925, 3925, 2128, 7850.
- Labels: HEIGHT GAUGE, Q. OF PROP. TRACK.
- Labels: TOWARDS CHHITAUNI, TOWARDS MADHUBANI.

2H:1V

WING WALL

THICK OPEN JOINT 12MM

300

300

75

300

75

PROP. BRIDGE No.9
AT CH. 7768.4152m
AS 1x5.5mx4.0m RCC BOX

GROUNDLEVEL / EXISTING ROAD LEVEL

GL

P.R.L.

F.L.

110.452

110.452

109.552

PLAN

(SCALE 1:100)

S.NO.	BR. NO.	CHAINAGE	SIZE OF STRUCTURE NO.XSPAN (M)XHT.(M)	SKEW ANGLE DEGREE	R.L.	F.L.	FORMATION LEVEL	GL	P.R.L.	F.L.
1	9	7768.415	1x5.5x4.0	0°	116.878	116.116	110.452	110.452	110.452	109.552

Plan view of the proposed road layout. The layout includes a 200m wide road section, a 6200m long section, and a 750m wide section. A 'RETURN WALL' is indicated on the left. A 'TOWARDS CHHITAUNI' arrow points right, and a 'Q. OF PROP. TRACK' label is at the bottom. A '2H:1V' slope indicator is shown on the right side of the road section.

Diagram illustrating the cross-section of a bridge deck with reinforcement details. The deck width is 200. The reinforcement layout includes top bars (750/1800) and bottom bars (200). A central 'RETURN WALL' and a 'DECK LADDER' are indicated. A note on the left specifies '2H : 1V' for the reinforcement layout.