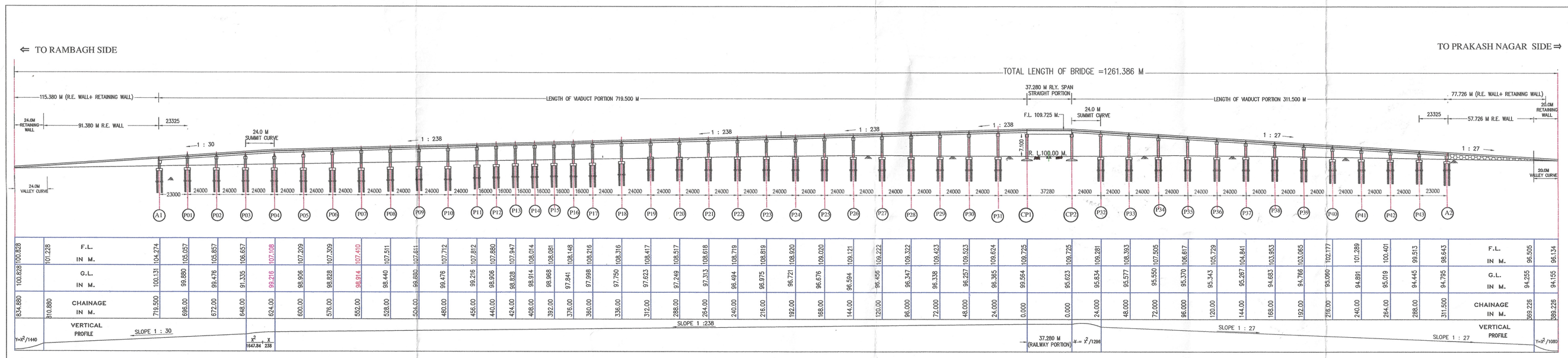
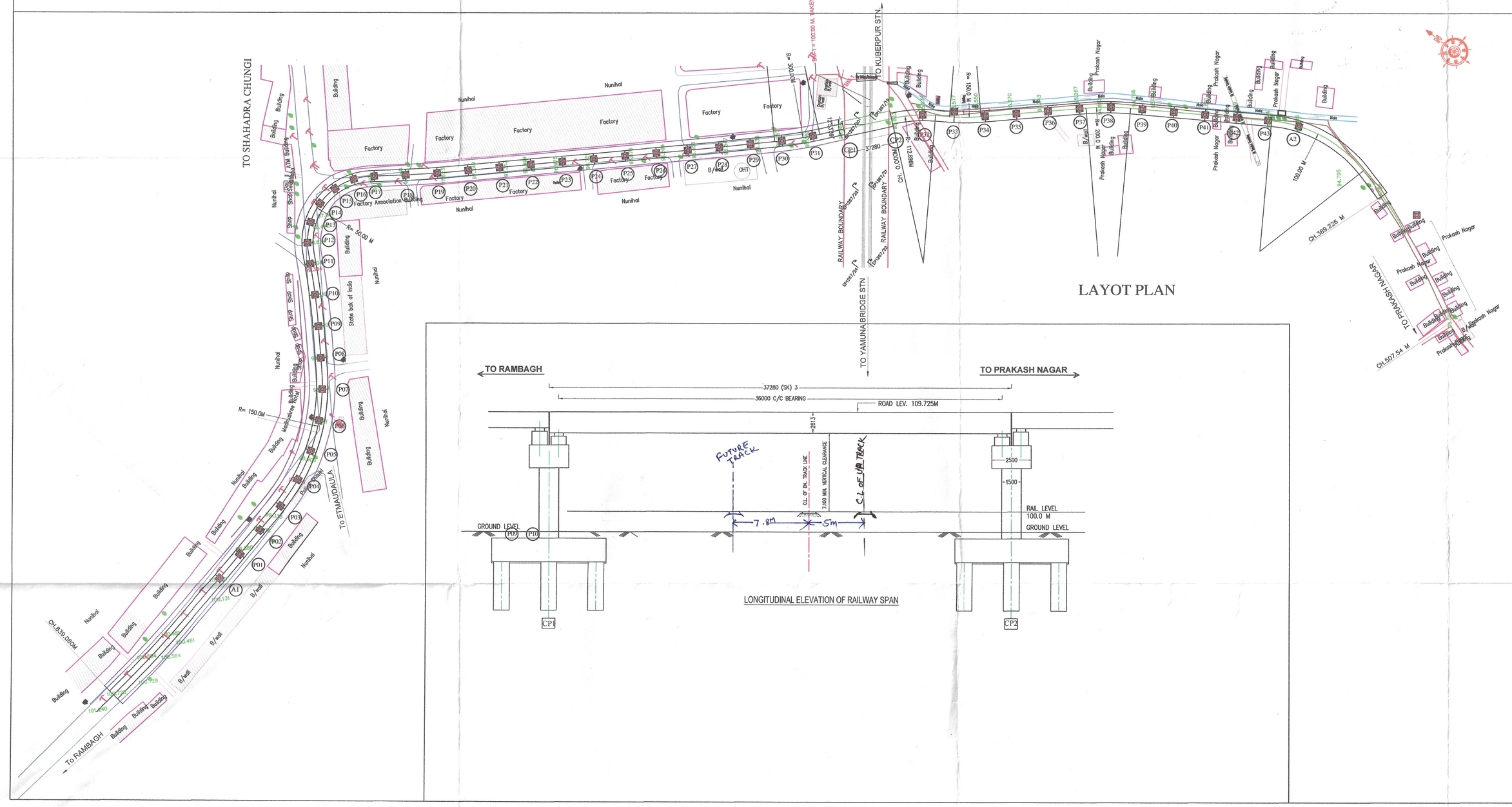
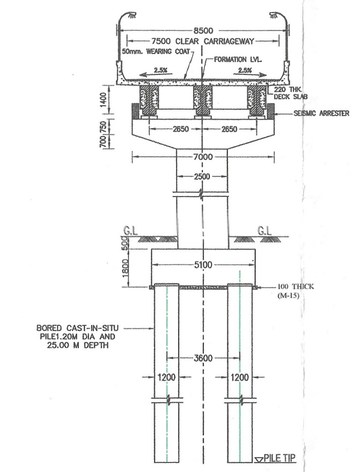
Signature Not Verified
Digitally signed by NIDHESH KUMAR YADAV
Date: 2026.05.15 19:00:37 IST
Location: Uttar Pradesh-UP



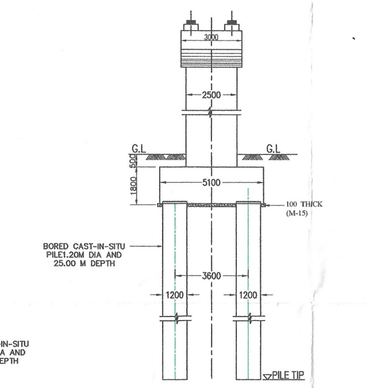
GENERAL ELEVATION OF BRIDGE



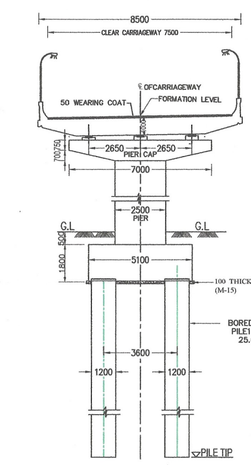
LAYOT PLAN



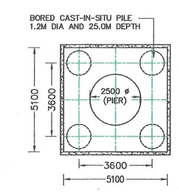
SECTION AT PIER (FOR 24.00 M. SPAN)



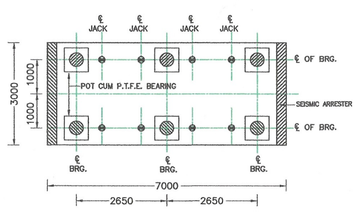
SIDE VIEW (FOR 24.00 M. SPAN)



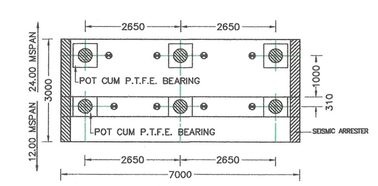
SECTION AT PIER (FOR 16.00 M. SPAN)



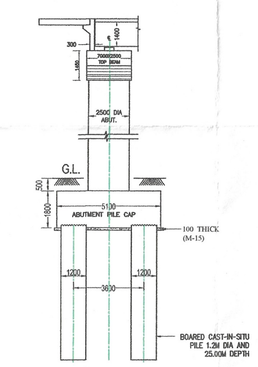
TYP.PLAN (FOR 24.00M 16.00M SPAN)
FOR PIER PILE & ABUT.PILE



(PLAN OF PIER CAP)
24.0 M -24.0 M SPAN



PLAN OF PIER CAP
(24.0M - 16.0 M SPAN)



SIDE VIEW
SECTION ABUTMENT

NOTES:-

1–ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED. R.L's ARE IN METRE.

2–DIMENSION SHOWN IN G.A.D. ARE TENTATIVE AND SUBJECT TO MODIFICATION AT THE TIME OF DETAILED DESIGN.

3–GRADE OF CONC. SHOWN BELOW :–
(A) FOUNDATION
(i) LEVELING COURSE.....M15
(ii) PILE.....M35
(iii) PILE CAP.....M30

(B) SUB STRUCTURE
(i)– PIER M30
(ii)–PIER CAP M35
(iii)–ABUTMENT TOP BEAM M35
(iv)–BEARING.....POT CUM P.T.F.E. BEARING

(C) SUPER STRUCTURE
(i)– P.S.C. BEAM M45
(ii)– CROSS BEAM M40
(iii)– DECK SLAB M40
(iv)–CRASH BARRIER.....M40
(v)–WEARING COAT.....50mm BITUMINOUS CONCRETE/S.M.A.
(vi)–EXPANSION JOINT.....COMPRESSION SEAL TYPE

4–ALL THE WORK SHALL BE CARRIED OUT AS PER RELEVANT I.R.C. CODES.

5–LENGTH OF VIADUCT AND R.E. WALL HAS BEEN SHOWN ALONG THE CENTER LINE OF CARRIAGEWAY OF R.O.B.

6–TENTATIVE VERTICAL LOAD CARRYING CAPACITY OF PILE IS 280.0 TONNE FOR f.2 M ø AND 25.0M PILE DEPTH AS PROVIDED BY DY.P.M. BCU–AGRA

7–CAMBER SHALL BE PROVIDED IN STRAIGHT PORTIONS OF THE R.O.B. SUPER ELEVATION AND EXTRA WIDENING SHALL BE PROVIDED IN CURVED PORTION AS PER THE CODAL REQUIREMENTS.

8–THE LENGTH OF APPROACHES ON BOTH SIDE OF RAILWAY PORTION HAS BEEN CALCULATED TAKING FORMATION LEVEL OF RAILWAY SPAN AS 109.725 M AND GROUND LEVEL AS SHOWN IN LAYOUT PLAN PROVIDED BY DY.P.M. B.C.U. AGRA.

09–SLOPE OF R.O.B. SHALL BE BE PROVIDED 1:238 & 1:30 IN KAMLA NAGAR/ RAMBAGH SIDE & 1: 27 IN PRAKASH NAGAR SIDE AS PER SITE REQUIREMENT.

10–LAYOUT OF ROB HAS BEEN FINALIZED BY B.C.U. AGRA.

11–FOLLOWING SEISMIC PARAMETER HAS BEEN TAKEN IN DESIGN.
(i) SEISMIC ZONE----------III
(ii) IMPORTANCE FACTOR----------1.20
(iii) Sa/g----------2.50

12–MAX. VEHICULAR SPEED LIMIT ----------40.0Km/HR. CAUTION BOARD MUST BE PROVIDED FOR SPEED LIMIT AS PER SITE REQUIREMENT.

13–BEFORE START OF WORK NECESSARY PERMISSIONS MUST BE OBTAIN FROM DISTRICT ADMINISTRATION, RAILWAYS, AND OTHER CONCERNING DEPARTMENT.

14–LAY OUT IS TO BE VERIFIED AS PER SURVEY SHEET AT SITE BY UNIT IN CHARGE. ANY DISCREPANCY/MODIFICATION IN RESPECT OF LAY OUT,FORMATION LEVEL OR DUE TO ANY OTHER REASON MUST BE REFERRED TO HEAD OFFICE BEFORE START OF WORK.

15–ALL GROUND LEVELS AND FORMATION LEVELS SHALL BE VERIFIED AT SITE AND IF ANY DISCREPANCY IS FOUND REFER TO HEAD OFFICE BEFORE START OF WORK.

16–CONSTRUCTION OF APPROACH ROAD AND ITS CRUST WILL BE AS PER PROVISIONS OF I.R.C. 37. DUE PRECAUTION SHOULD BE TAKEN IN EMBANKMENT CONSTRUCTION OF APPROACH ROAD.

17–IT IS RESPONSIBILITY OF FIELD UNIT AND CONCERNING G.M. TO ACQUIRE SUFFICIENT LAND FOR BRIDGE AND SERVICE ROAD BEFORE START OF WORK.

18–IT IS RESPONSIBILITY OF FIELD UNIT AND CONCERNING G.M. TO GET CONSENT FROM RAILWAY AUTHORITY ON THIS G.A.D. AND FIX COMMON PIERS ALONGWITH IRRIGATION, POWER CORPORATION, P.W.D. AND RAILWAY AUTHORITY BEFORE START OF WORK.

19–DRAINAGE PIPE SHALL BE PROVIDED AS PER SITE REQUIREMENT TO PROTECT FOUNDATION FROM SEEPAGE OF WATER.

20–IT IS RESPOSIBILITY OF CONSTRUCTION UNIT AND CONCERNING G.M. TO COMPLY THE INSTRUCTION REGARDING TRAFFIC MOVEMENT PLAN AND AVAILBILITY OF LAND FOR DIVERSION OF TRAFFIC ISSUED VIDE M.D. U.P.S.B.C. ORDER NO. 107/M.D. CAMP /2018, DATED:– 24.07.2018 BEFORE STARTING OF WORK.

21–THIS GAD SHALL BE APPLICABLE IF ALL PROVISION OF THIS GAD UNDER ADMINISTRTIVE AND FINANCIAL SANCTION. IF NOT THEN THIS GAD SHALL BE APPLICABLE AFTER REVISED SANCTION.

22–BEFORE START OF WORK LAYOUT OF BRIDGE SHOULD BE APPROVED BY SITE SELECTION COMMITTEE.

14/04/2026
GIRIJESH KUMAR
JE(S/G) CHLR

(AMPC
(ANJANI KUMAR)
SSE(T)/ARB

कार्यपालक अभियन्ता
कर्षण विद्युतीकरण, टीएफडी ऊ० म० रे०
Sr. Sec. Engineer
TRD IDGAH, NCR

सहायक अभियन्ता (टीएफडी)
कर्षण विद्युतीकरण, टीएफडी ऊ० म० रे०
Junior Section Engineer (TRD)
Traction Distribution Agra N.C.Rly.

	U.P.STATE BRIDGE CORPORATION LTD. B.C.U. AGRA
PROJECT	PROPOSED R.O.B. IN NUNHAI IDUSTRIAL AREA - PRAKASH NAGAR ON AGRA -TUNDLA RAIL SECTION AT KM.1267/ 20-21 IN DISTT. AGRA.
TITLE	**GENERAL ARRANGEMENT DRAWING**
SPAN	R.E. WALL 119.58 M. +1X23.500 M +10X24.00M+6X16.0M+ 15X24.0M+ 37.28M RAILWAY SPAN+12 X24.00M+1X 23.500M + 77.768 M R.E.WALL
CARRIAGEWAY	7.5M CLEAR CARRIAGEWAY WITHOUT FOOT PATH
LIVE LOAD	SAFE FOR 2 LANES OF I.R.C. CLASS 'A' OR ONE LANE OF IRC. '70R'

A.E. B.C.U. AGRA	D.Y.P.M. B.C.U. AGRA	C.P.M. U.P.S.B.C. LTD. AGRA