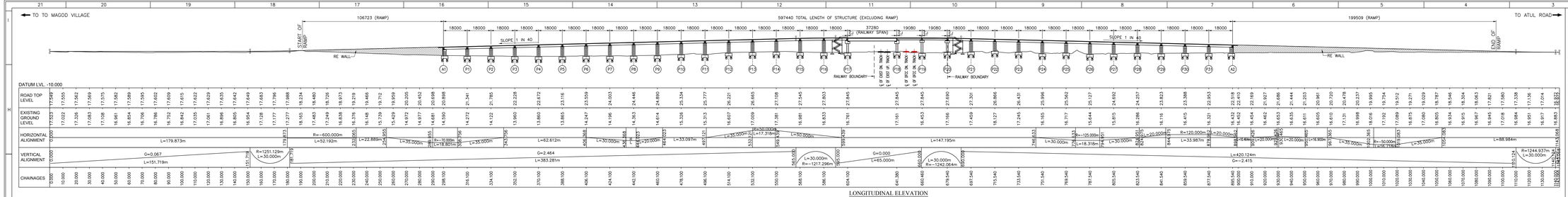
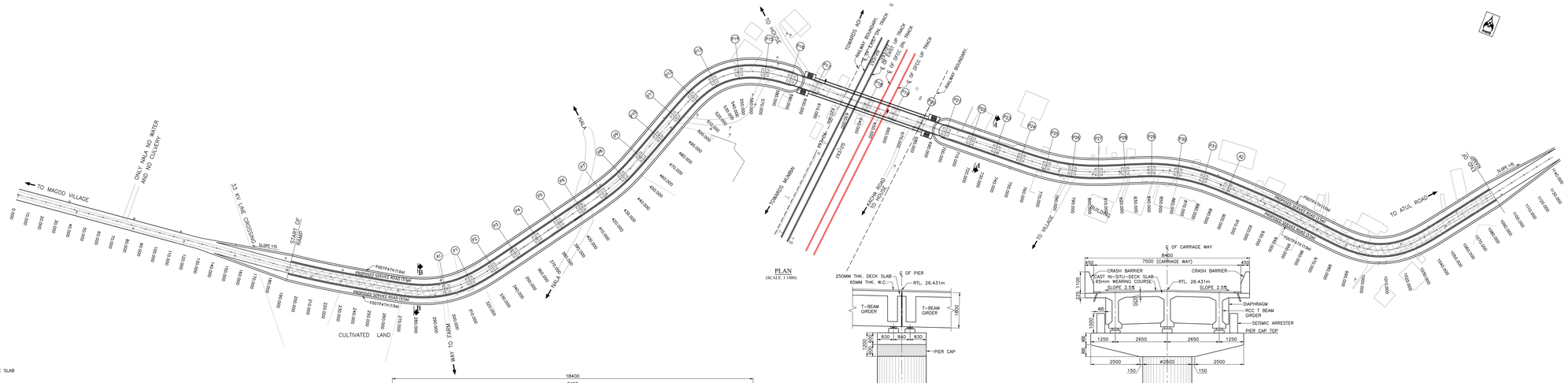
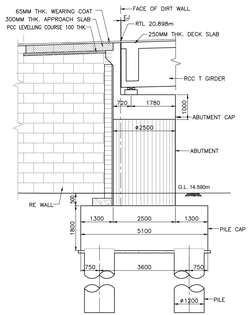


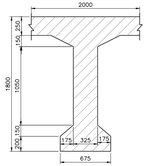
LONGITUDINAL ELEVATION
(SCALE 1:1000)



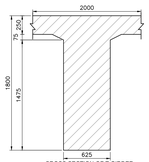
PLAN
(SCALE 1:1000)



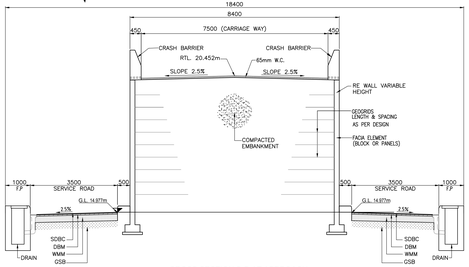
DETAIL OF ABUTMENT
(SCALE 1:75)



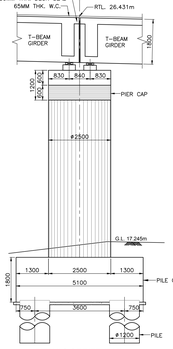
CROSS SECTION OF T GIRDER (RUNNING SECTION)
(SCALE 1:75)



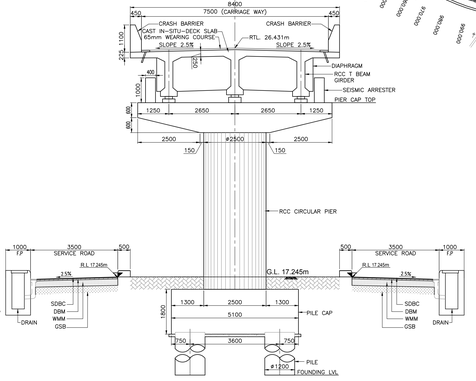
CROSS SECTION OF T GIRDER (AT END BLOCK)
(SCALE 1:75)



CROSS SECTION B-B AT APPROACH
(SCALE 1:75)



DETAILS OF PIER (P23)
(SCALE 1:100)



CROSS SECTION A-A AT APPROACH
(SCALE 1:75)

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETER AND LEVELS ARE IN METRES UNLESS WRITTEN OTHERWISE.
2. NO DIMENSION SHALL BE SCALED FROM THIS DRAWING ONLY WRITTEN DIMENSION SHALL BE FOLLOWED.
3. DIMENSION IN RECTANGLE ▭ ARE OBLIGATORY.
4. SHAPE AND SIZE OF STEEL COMPOSITE GIRDERS POT, PTFE BEARINGS, PEDESTALS, R.C.C COLUMN, PIER CAP AND FOOTING SHOWN IN THIS DRAWING ARE TENTATIVE AND ARE SUBJECT TO CHANGE IN FINAL EXECUTION DRAWING AND DESIGN.
5. DRAWING AND DESIGN OF APPROACHES SHALL BE DECIDED BY ROAD AUTHORITY.
6. EXISTING WORK IS SHOWN IN RED, FUTURE WORK IS IN RED DOTTED AND EXISTING WORK IS SHOWN IN BLACK.
7. A MINIMUM VERTICAL CLEARANCE OF 8430mm SHALL BE PROVIDED FROM RAIL TOP LEVEL (HIGHEST) TO BOTTOM OF PROPOSED STEEL PLATE GIRDER AS PER RAILWAY BOARDS LETTER NO. 80/WOD/50/10 DATED 15/10/1986.
8. ANTI-CRASH-BARRIER SHALL BE PROVIDED AS PER M.O.S.T STANDARD.
9. NET SAFE BEARING CAPACITY FOR PILE FOUNDATION HAS BEEN CONSIDERED AS 350 T/M2.
10. DEPTH OF FOUNDATION MAY BE ALTERED BY ENGINEER-IN-CHARGE TO SUIT THE SOIL STRATA MET WITH AT SITE.
11. ACTUAL LOCATION OF R.O.B SHALL BE DECIDED BY ENGINEER IN CHARGE IN CONSULTATION WITH ROAD AUTHORITY AT THE TIME OF ITS CONSTRUCTION.
12. CONTROLLED CEMENT CONCRETE SHALL BE AS PER RAILWAY'S SPECIFICATION GOVED AS ON DECEMBER-2000 (IR LATES).
13. a) DESIGN & DRAWING SHALL BE PROOF CHECKED FROM REPUTED CONSULTANTS BEFORE EXECUTION.
14. WHILE INVITING TENDERS THE SPECIFICATION ENCLOSED SHALL BE A PART OF CONTRACT FOR CONSTRUCTION OF BRIDGE OVER THE RAILWAY SPAN.
15. NO PLASTERING AND CEMENT WORK PROTECTIVE COATING OVER THE CONCRETE IS PERMITTED. NO REPAIR SHALL BE PERMITTED. ANY BAD WORK WILL SUMMARILY QUALIFY FOR REJECTION OF MEMBER /ELEMENT.
16. A SEPRATE LAUNCHING SCHEME HAS TO BE SUBMITTED DULY APPROVED BY DFCC/NORTH BEFORE COMMENCEMENT OF WORK.
17. POT-PTFE BEARING SHALL BE PROVIDED AT ALL THE LOCATION.
18. ALL PIER CAPS SHALL BE PROVIDED WITH ANTI-SEISMIC DEVICE.
19. REINFORCEMENT BAR SHALL BE PROVIDED WITH PROTECTIVE COATING AS PER PARA 7.1.5 OF CONCRETE BRIDGE CODE CORRECTION SLIP NO.1 DATED 26.4.2000 AND LATEST.
20. FOLLOWING GRADES OF CONCRETE SHALL BE USED.
    DECK SLAB —M40
    PEDESTALS/PIERCAP/PIER —M35
    FOUNDATION —M35
    LEVELLING COURSE —M20
    ABUTMENT/PIER —M35
    APPROACH SLAB —M30
21. GRADE OF STEEL SHALL BE Fe-500 CONFIRMING TO IS:1786-2008 & UPDATED WITH LATEST CORRECTION SLIP.
22. ONE LANE OF IRC 70R OR 2 LANES OF CLASS A WHICHEVER PRODUCE MAXIMUM EFFECT SHALL BE CONSIDERED IN DESIGN.
23. STANDARD PROTECTIVE SCREEN ABOVE EACH TRACK ON EITHER SIDE OF ROB ON PARAPET/ CRASH BARRIER SHALL BE PROVIDED AS DIRECTED BY ENGINEER-IN-CHARGE.
24. RAILWAY ORGANIZATION WILL CONSTRUCT SPAN P17 TO P20. A1 TO P16 AND P21 TO A2 & RE WALL WILL BE EXECUTED BY PWD VALSAD.
25. STANDARD 36.0M RDSO DRAWING NO. RDSO/B/-11758/R TO RDSO/B-11758/10R & RDSO/B-11759/R, SHALL BE USED FOR SUPERSTRUCTURE.
26. SEISMIC ZONE IS III.
27. SKEW ANGLE IS 7.72°.

Rev.	Revision Details	Date	PURPOSE
R1	REVISED AS PER RAILWAY COMMENT ABOVE DFCC TRACK 36.0m TO 2x18.0m RDSO SPAN REVISED.	29.08.2019	FOR APPROVAL
R0	FIRST SUBMISSION	22.08.2019	FOR APPROVAL

Drawn	PRASHANT
Designed	AAKASH
Checked	L.K.MISHRA

Owner:
WESTERN RAILWAY

Client:
DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LIMITED, MUMBAI

SOWiL Limited
consulting engineers
GOODWILL AVENUE, OFFICE NO. 02, A WING, FIRST FLOOR, PLOT NO. 01, SECTOR-40, NERUL (WEST), NAVI MUMBAI – 400 706

Name of Work:
CONSTRUCTION OF PROPOSED ROAD OVER BRIDGE IN LIEU OF LC NO. 96 BETWEEN ATUL & VALSAD RAILWAY STATION AT CH. 196/26-28.

Drawing No: SOWiL / WR / GAD / ATUL-BL / 01.
Rev. R1

Scale: AS SHOWN
Sheet: 1 OF 2

Title: GENERAL ARRANGEMENT DRAWING (APPROACH PORTION)

		CPM	DY. CPM (ENGG.)	ADEN	SR. DEN (NE) CCG	SR. DOM	XEN(ROB)	DY.C.E(BR-I)	CHIEF BRIDGE ENGG.	SSE (WKS)	XEN(C)	DY. CE (C)	DY. CSTE (C)	DY. CEE (C)	SSE (DRG)	AXEN(C) D	DY. CE (C) D	C.E (C) SOUTH
FOR PWD (VALSAD)		DFCCIL, MUMBAI		MUMBAI DIVISION W. RAILWAY			MUMBAI DIVISION WR (OPEN LINE H.Q.)			CONSTRUCTION DIVISION WESTERN RAILWAY					HEAD QUARTERS			

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