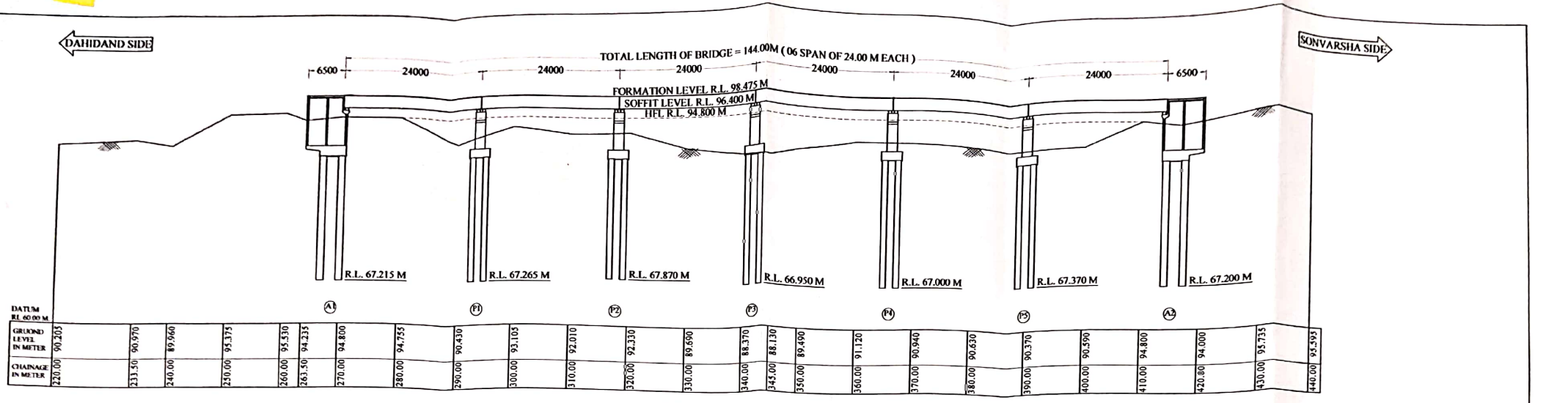
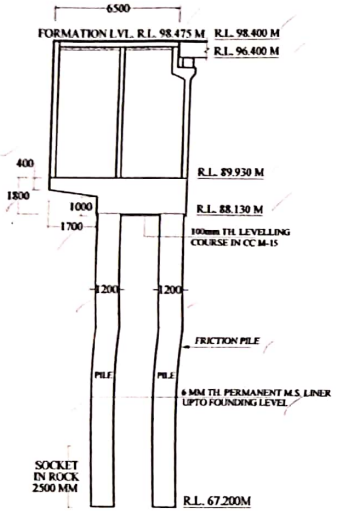
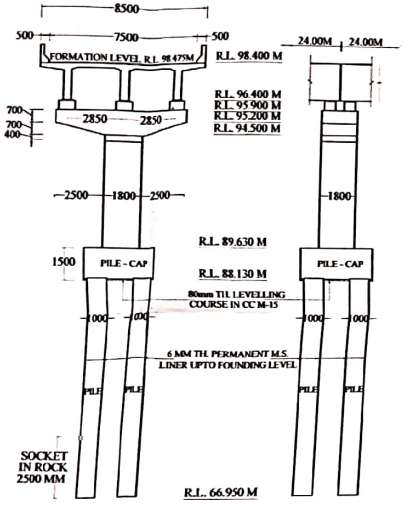


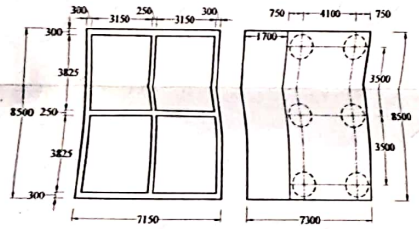


ELEVATION OF ABUTMENT



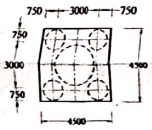
CROSS SCETION OF PIER IN TRAFFIC DIRECTION

CROSS SCETION OF PIER IN CURRENT DIRECTION



PLAN OF ABUTMENT

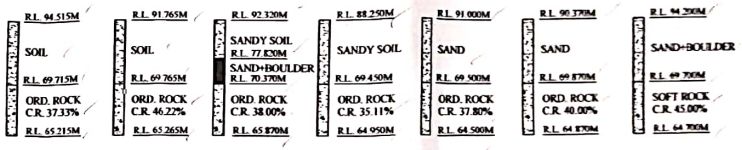
PLAN OF ABUTMENT PILE & PILE CAP



PLANS OF PILES, PILE CAP & PIER

NOTES :

1. TYPE OF BRIDGE	HIGH LEVEL
2. LENGTH OF BRIDGE	144.00 M. (06 SAPN OF 24.00 M. EACH) & 02 NOS ABUTMENT @ 6.50 M EACH
3. OVERALL WIDTH	8.50 M.
4. CARRIAGE WAY	7.50 MTS
5. FORMATION LEVEL	R.L. 98.475 M.
6. SOFFIT LEVEL	R.L. 96.400 M.
7. H.F.L.	R.L. 94.800 M
8. L.W.L./L.B.L.	R.L. 89.320 M /R.L. 88.130 M
9. DESIGN DISCHARGE	1072.606 CUMECS
10. DESIGN VELOCITY	3.490 M/SEC
11. CATCHMENT AREA	142.547 Sq/KM.
12. TYPE OF FOUNDATION	END BEARING PILE FOUNDATION
13. FOUNDATION LEVEL	
A. ABUTMENT	A1 R.L. 67.215 M & A2 R.L. 67.200 M
B. PIER	P1 R.L. 67.265 M, P2 R.L. 67.870 M, P3 R.L. 66.950 M P4 R.L. 67.000 M & P5 R.L. 67.370 M
14. TYPE OF SUBSTRUCTURE	R.C.C. SOLID CIRCULAR PIER
15. TYPE OF SUPER STRUCTURE	R.C.C. T-BEAM SLAB
16. TYPE OF ABUTMENT	R.C.C. BOX TYPE
17. DESIGN LOAD	CLASS 70-R LOADING FOR ONE LANE OR CALSS-A LOADING FOR TWO LANE WHICHEVER PRODUCES SEVER EFFECT.
18. EXPANSION JOINT	STRIP SEAL TYPE EXPANSION JOINT.
19. TYPE OF BEARING	ELASTOMERIC NEOPRENE BEARING.
20. RAILING	R.C.C. CRASH BARRIER
21. NAME PLATE	AS PER DEPARTMENTAL DRAWING
22. APPROACH SLAB	STRUCTURAL APPROACH SLAB
23. S.B.C.	30 T/M²
24. SCOUR LEVEL	
i) FOR PIER	R.L. 82.800 M OR UPTO ROCK LEVEL WHICHEVER IS HIGHER.
ii) FOR ABUTMENT	R.L. 87.180 OR UPTO ROCK LEVEL WHICHEVER IS HIGHER.
25. KERB, WEARING COAT, DRAINAGE SPOUT AS PER STANDARD DRAWINGS & MORT'H.	



CERTIFICATE

CERTIFY THAT BORE LOG SHOWN IN GAD IS CORRECT

SUB. ENGG. S.D.O. E.E.

OFFICE OF THE CHIEF ENGINEER
P.W.D. BRIDGE CONSTRUCTION ZONE RAIPUR (C.G.)

S.D.O.	E.E.	S.E.	C.E.
TITLE	GENERAL ARRANGEMENT DRAWING		
SUB ENG.	CONST. OF HIGH LEVEL BRIDGE ACROSS MACHHALI RIVER ON DAHIDAND TO SONVARSHA ROAD		
	DRG. NO.- GAD	DATE -	SCALE - N.T.S.

Scanned with OKEN Scanner