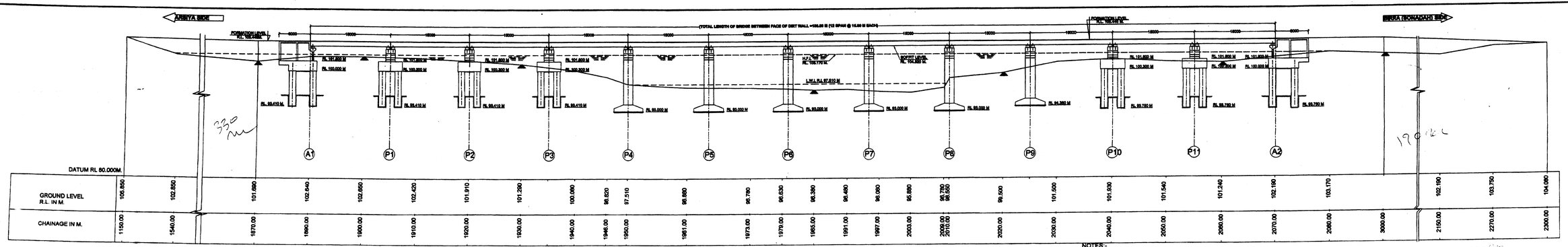
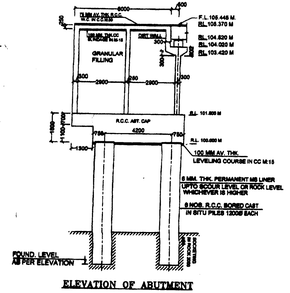
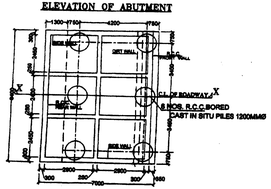
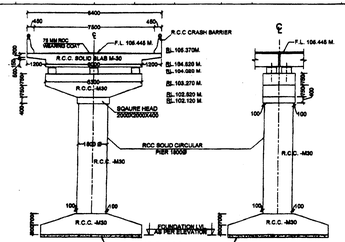




ELEVATION OF ABUTMENT

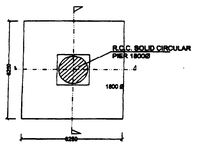


PLAN

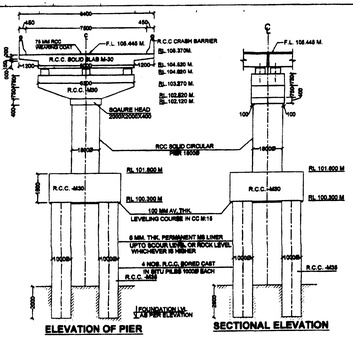


ELEVATION OF PIER

SECTIONAL ELEVATION

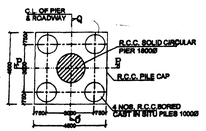


PLAN OF PIER FOOTING



ELEVATION OF PIER

SECTIONAL ELEVATION

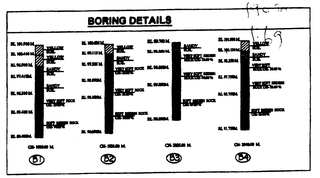


PLAN OF PILE & PILE CAP

NOTES:-

1. TYPE OF BRIDGE - HIGH LEVEL.
2. LENGTH OF BRIDGE - 180.00 M (12 SPAN OF 15.00 M. EACH)
3. OVERALL WIDTH - 8.40 M.
4. CARRIAGE WAY - 7.50 M.
5. FORMATION LEVEL - RL. 106.446 M.
6. SOFFIT LEVEL - RL. 104.620 M.
7. H.F.L. /L.W.L - RL. 103.170 M./ RL.97.510 M.
8. CATCHMENT AREA - 412.50 SQ/KM.
9. DESIGN DESCHARGE - 1486.245 CUMEC.
10. DESIGN VELOCITY - 2.342 M/SEC.
11. SCOUR LEVEL :-
    PIER - RL. 92.170 M.OR ROCK LEVEL WHICHEVER IS HIGHER
    ABUTMENT - RL. 96.186 M. OR ROCK LEVEL WHICHEVER IS HIGHER
12. TYPE OF FOUNDATION - PILE/OPEN FOUNDATION
13. FOUNDATION LEVEL
    PIER - P1 TO P3 - RL. 93.410., P4 TO P8 -RL. 93.000M,
    P9 - RL. 94.360., P10 TO P11 - RL. 93.750M,
    ABUTMENT - A1-RL. 93.410 M., A2-RL. 93.750M.
14. TYPE OF SUB STRUCTURE:-
    ABUTMENT - R.C.C. BOX TYPE.
    PIER - R.C.C. SOLID CIRCULAR PIER.
15. TYPE OF BEARING - ELASTOMERIC NEOPRENE BEARING
16. TYPE OF SUPER STRUCTURE - R.C.C. SOLID SLAB
17. EXPANSION JOINT - STRIP SEAL EXPANSION JOINT.
18. SAFE BEARING CAPACITY - 40 T/M²
19. APPROACH SLAB - AS PER APPROVED DRAWING
20. R.C.C. CRASH BARRIERS, NAME PLATE, WEARING COAT ,DRAINAGE SPOUT AS PER STANDARD DRAWING.
21. DESIGN LOADING :- ONE LANE OF I.R.C. CLASS 'AA' LOADING OR TWO LANE OF I.R.C. CLASS 'A' LOADING WHICHEVER PRODUCED SEVERE EFFECTS. AS PER I.R.C 6:2017
22. THIS DRAWING IS ONLY FOR ESTIMATE PURPOSE.

BORING DETAILS



NOTE:- CERTIFIED THAT THE BORING HAS BEEN DONE AT SHOWN LOCATION & BORE DATA IS CORRECT.

SUB-ENG. S.D.O. E.E.

OFFICE OF THE CHIEF ENGINEER P.W.D. BRIDGE CONSTRUCTION ZONE RAIPUR (C.G.)			
Ramesh Kumar Verma	R.K KHAGMRA	M.L.UIKEY	S.K KORI
S.D.O.	E.E.	S.E.	C.E.
TITLE	GENERAL ARRANGEMENT DRAWING		
	CONSTRUCTION OF HIGH LEVEL BRIDGE ACROSS SONE RIVER ON ARSIYA-BIRRA (SONADAH) ROAD.		
SUB ENG.	DRG. NO.	SONE BRIDGE/A-SHSTT. A.A/ GAD/01	