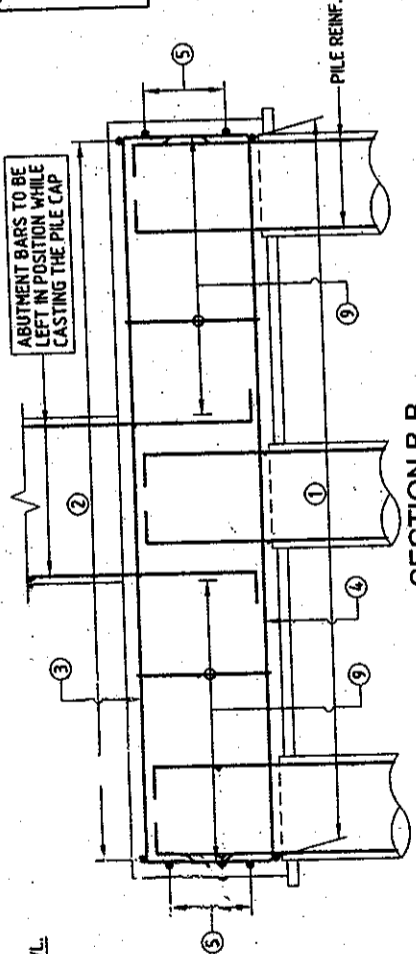
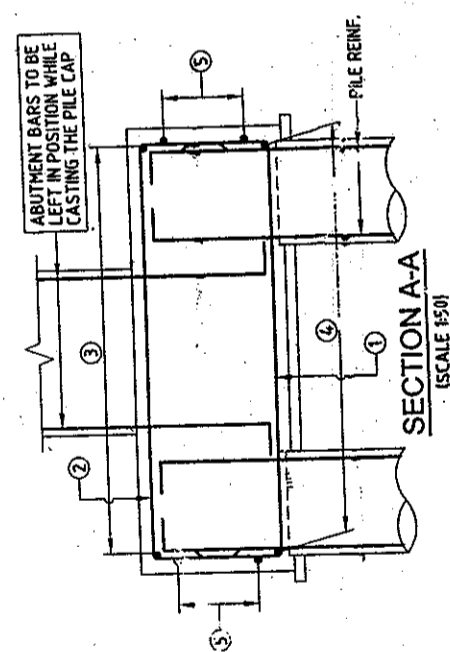
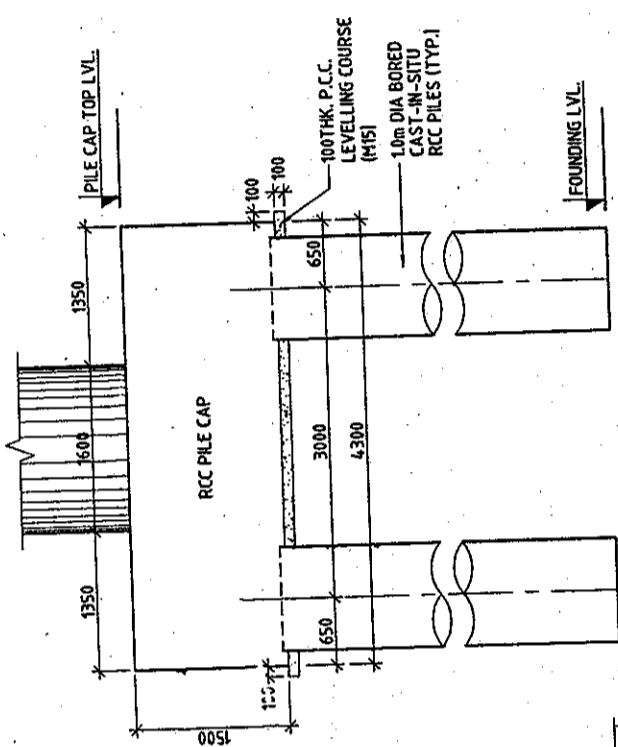


NOTES:-

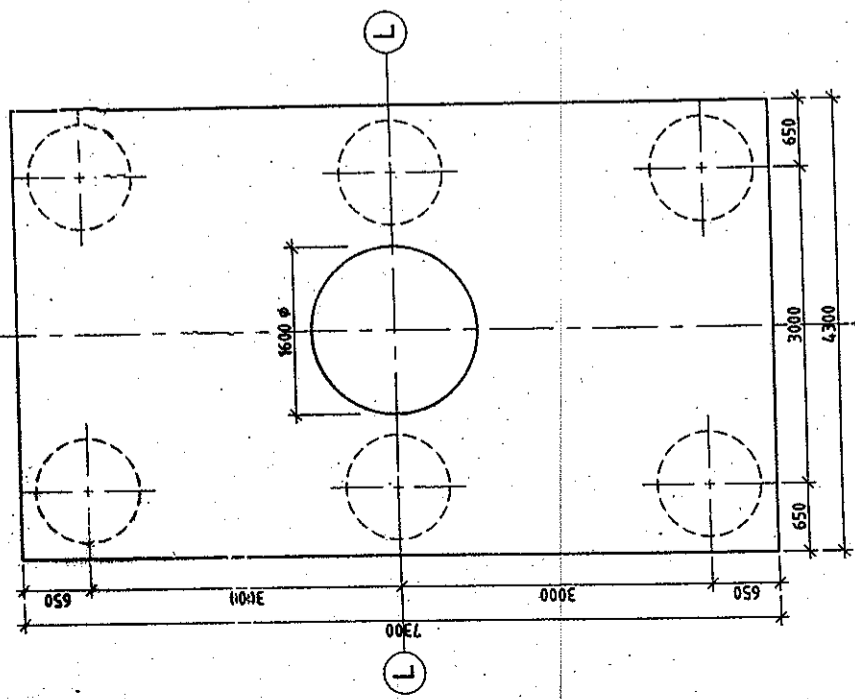
1. ALL DIMENSIONS ARE IN mm AND LEVELS IN METRES, UNLESS OTHERWISE MENTIONED. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED. NO DIMENSION IS TO BE SCALED.
2. CONCRETE SHALL BE DESIGN MIX WITH A MINIMUM 28 DAYS CHARACTERISTIC STRENGTH OF 35mpa FOR BORED CAST-IN-SITU PILE AND PILE CAP.
3. CLEAR COVER TO SHALL BE AS FOLLOWS.
 (i) FOR PILE --- 75mm
 (ii) FOR PILE CAP --- 75mm
4. TMT HIGH YIELD STRENGTH DEFORMED BARS SHALL BE OF GRADE DESIGNATION Fe-415 CONFORMING TO IS:1786 SHALL ONLY BE USED.
5. MINIMUM BOND LENGTH SHALL BE 42 x DIA OF BAR.
6. MINIMUM LAP LENGTH FOR REINFORCEMENT BAR SHALL BE 72 x DIA OF BAR. LAPS SHALL BE STAGGERED AND NOT MORE THAN 50% OF BARS SHALL BE LAPPED AT ANY ONE SECTION.
7. LL REPRESENTS LONGITUDINAL AXIS OF BRIDGE AND TT REPRESENTS TRANSVERSE AXIS OF BRIDGE.
8. ACTUAL LOAD TEST SHALL BE CARRIED OUT ON A TEST PILE AS PER STANDARD SPECIFICATIONS TO DETERMINE VERTICAL AND LATERAL CAPACITY OF PILE. IT SHALL HOWEVER BE ENSURED THAT IT IS NOT LESS THAN DESIGN VALUES.

REFERENCE DRAWINGS:-

- i) 1213/SM/EC/LUDHIANA/24+686/G-01 (SHEET 1 OF 10 TO 10 OF 10)
- ii) 1213/SM/EC/LUDHIANA/24+686/E-01 (SHEET 2 OF 2)

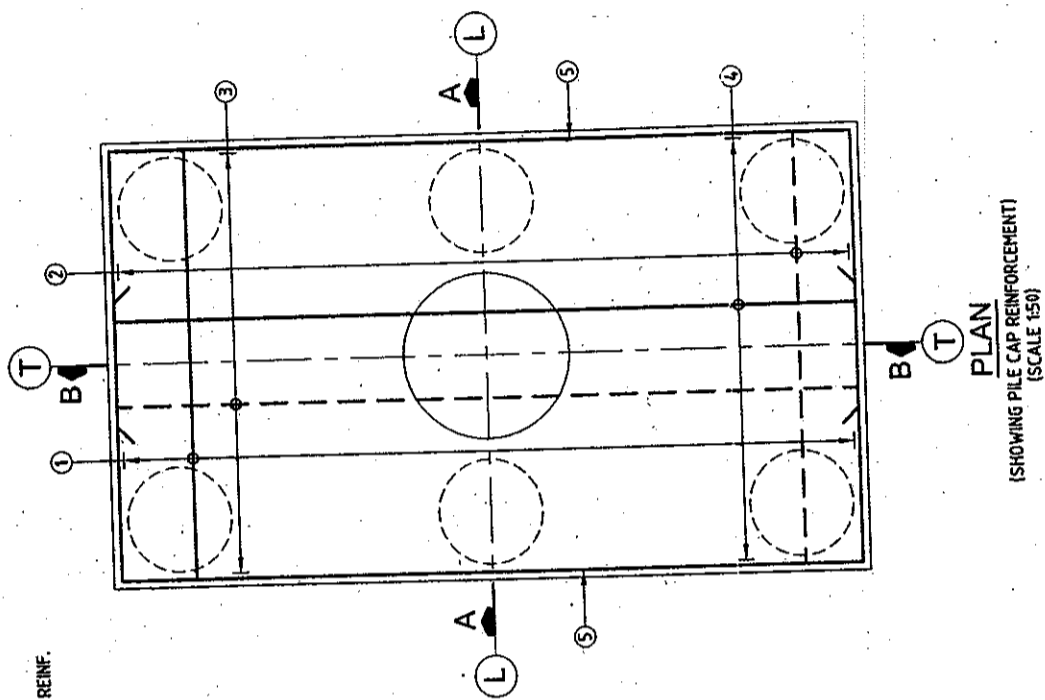


ELEVATION ALONG T-T AXIS
(SCALE 1:50)



LEVELS CHART FOR PILE CAP LAYOUT

ABUTMENT DESIGNATION	BED LEVELS	TOP OF PILE CAP LEVELS	CUT OFF LEVELS	FOUNDING LEVELS
AD	244.405	243.905	242.455	228.455
AL	243.019	243.519	241.069	227.069



REINFORCEMENT DETAIL:

BAR MKD.	DIA (mm)	SPACING/Nos.	SHAPE
1	20	4 Nos.	┌
2	16	150	┌
3	16	150	┌
4	25	35 Nos.	┌
5	16	8 Nos.	┌
7	20	20 Nos.	○
8	10	200	○
8a	10	100	○
9	16	150	┌ 4 LEGGED

LEGEND APPROVED FOR EXECUTION

BAR ON 100THK P.C.C. LEVELLING COURSE
 BAR ON BOTTOM FACE

Assistant Engineer Design (IP)
 Executive Engineer Design (IP)
 Chief Engineer (IP)

PLN/JAB P.W.D. (B & R)

R.C.C. DETAILS OF PILE
(SCALE 1:50)

REV	DATE	DESIGN	CHECKED	APPROVED	DETAILS OF REVISION
R1	28/05/2009	MKS	VNM	S LAHRI	REVISED AS PER PR PWD COMMENTS
R0	28/05/2009	MKS	VNM	S LAHRI	FIRST ISSUE

R.C.C. DETAILS OF PILE
(SCALE 1:50)

PREPARATION OF DETAILED PROJECT REPORT FOR UPGRADATION OF SOUTHERN BYE-PASS LUDHIANA

CONSULTANT: **SMEC**
 S.M.E.C. (INDIA) PVT. LTD.
 2/F BUILDING IN S.C. TOWER, 3RD FLOOR,
 CHANDER CITY, PHASE-2, 120 002,
 TEL: 0174-438902, 430100

CLIENT: **PIDB**
 PUNJAB INFRASTRUCTURE DEVELOPMENT BOARD

PROJECT TITLE: PREPARATION OF DETAILED PROJECT REPORT FOR UPGRADATION OF SOUTHERN BYE-PASS LUDHIANA

SCALE: AS SHOWN
 SHEET SIZE: A2
 SHEET NO: DPR
 DRAWN: VNM
 CHECKED: VNM
 APPROVED: S LAHRI

DETAILED PROJECT REPORT
 DIMENSIONAL & REINFT. DETAILS OF
 PILE, PILE CAP, ABUTMENT SHAFT,
 ABUTMENT CAP & DIRT WALL
 (SHEET 1 OF 2)

1213/SM/EC/LUDHIANA/24+686/E-01
 R1