

NOTES:

- ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS ARE IN METER, UNLESS OTHERWISE SPECIFIED.
- DIMENSIONS ARE NOT TO BE SCALED. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH GENERAL ARRANGEMENT DRAWINGS AND RAIL ALIGNMENT DRAWINGS.
- SEISMIC ZONE: II
- IF ANY AMBIGUITY IS FOUND IN DRAWINGS OR AT SITE, THE SAME SHALL BE BROUGHT TO DESIGNER'S/ ENGINEER'S NOTICE BEFORE EXECUTION.
- REINFORCEMENT STEEL SHALL BE HYSD BARS OF GRADE F_e 500 CONFORMING TO IS:1786-2008
- GRADE OF CONCRETE SHALL BE AS FOLLOWS:
LEVELING COURSE : PCC M20
PILE : RCC M35
PILE CAP : RCC M35
PIER : RCC M50
- CLEAR COVER TO ALL REINFORCEMENT SHALL BE:
PILE : 75 mm
PILE CAP : 75 mm
PIER : 50 mm
- BORING AND CONCRETING OF PILE SHALL BE CARRIED OUT AS PER TECHNICAL SPECIFICATIONS AND METHOD STATEMENT.
- PILE COORDINATES SHOULD BE CHECKED AND CONFIRMED AT SITE BEFORE CASTING OF PILES.
- THE NOMINAL MAXIMUM SIZE OF AGGREGATE TO BE USED SHALL BE 20mm.
- PILE TOP SHOULD PROJECT 75mm INTO PILECAP.
- CONTRACTOR TO ENSURE THAT AT CUT-OFF LEVEL THE CONCRETE IS SOUND AND THE MATRIX HAS NO HONEYCOMBING OR OTHER DEFECTS.
- THE METHOD OF BORING AND INSTALLATION FOR WORKING PILE SHALL BE SAME AS PER THE TEST PILE.
- TOLERANCE IN PILE.
(i) TILT---1 IN 150.
(ii) SHIFT--- ± 75 mm
- IN CASE OF ANY DEVIATION IS OBSERVED DURING THE PILE BORING OPERATION, THE SAME SHOULD BE BROUGHT TO THE NOTICE OF DESIGNER AND ENGINEER FOR NECESSARY ACTION/ AMENDMENTS BEFORE EXECUTION.
- TEMPORARY LINER SHALL BE FOLLOWED AT SITE, HOWEVER IF ANY DIFFICULTY ARISES IN EXECUTION, PERMANENT LINER SHALL BE PROVIDED AS PER ENGINEER'S RECOMMENDATION.
- ANCHORAGE LENGTH, LAP LENGTH, BAR SPACING'S AND OTHER REINFORCEMENT REQUIREMENT SHALL COMPLY WITH SPECIFICATIONS GIVEN IN IRS-CBC CLAUSE 15.9.6.6.
- DEVELOPMENT LENGTH SHALL BE AS GIVEN BELOW :

GRADE OF CONCRETE	M35	M50
DEVELOPMENT LENGTH	46ϕ	41ϕ

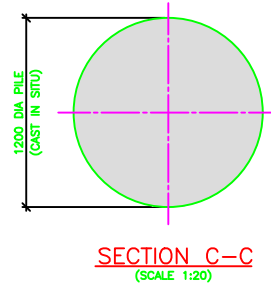
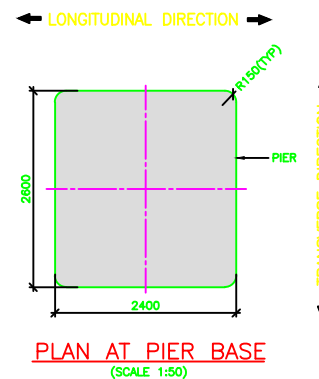
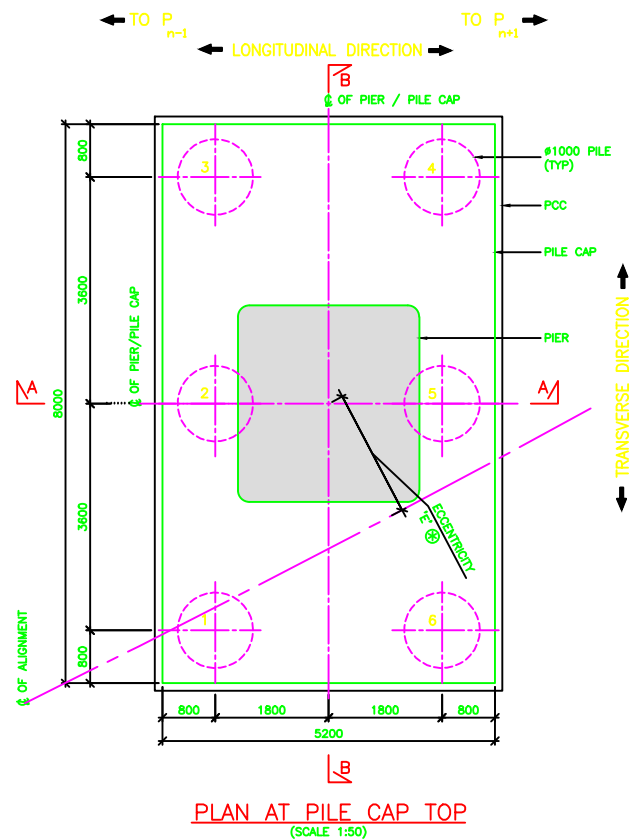
WHERE ϕ IS THE DIA. OF BAR.
- NOT MORE THAN 50% OF THE BAR SHALL BE LAPPED AT ANY LOCATION.
- THE PILE CAPACITIES HAVE BEEN WORKED OUT AS PER BORE LOG DATA. DISCREPANCY IF ANY SHALL BE INFORMED TO THE ENGINEER.
- ANY SHIFTING IN PILE AT SITE, SHALL BE BROUGHT TO THE NOTICE OF DDC.

NOTES:

This drawing is only for Reference.
Site Conditions may Vary

MODUS OPERANDI :

- IMPOSE 20KMPH SPEED RESTRICTIONS DURING EXCAVATION WORKS,IF REQUIRED AS PER SITE CONDITION.
- DIVERT OR RESTRICT THE WATER FLOW BY PROVIDING BUND/TEMPORARY PIPES ON UPSTREAM SIDE OF THE BRIDGE.
- PORTION OF RETURN WALL/TOE WALL, PITCHING TO BE DISMANTLED TO ACCOMMODATE RCC BOX WITH SUITABLE SHORING CONDITION AS PER SITE CONDITION .
- EARTH WORK EXCAVATION TO BE DONE FOR PROPOSED BARREL LENGTH WITH 350MM BASE COURSE FILL BENEATH THE BOX BOTTOM RAFT.
- RETURNS & BRIDGE PROTECTION WORKS TO BE DONE ON IR SIDE.



PLAN AT PILE CAP TOP
(SCALE 1:50)

KEY PLAN 		STATION BOX KEY PLAN 		EMPLOYER : <table border="1"> <tr> <th>DESIGNATION</th> <th>NAME</th> <th>SIGN</th> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>		DESIGNATION	NAME	SIGN																											
DESIGNATION	NAME	SIGN																																	
EMPLOYER : RAIL INFRASTRUCTURE DEVELOPMENT COMPANY (KARNATAKA) LIMITED GENERAL CONSULTANTS : AECOM @ egis wsp AECOM-EGIS-WSP		PROJECT : BENGALURU SUBURBAN RAILWAY PROJECT (BSRP) K-RIDE CORRIDOR - 2 DRAWING TITLE : TITLE1 TITLE2 TITLE3 DRAWING NO. : DRGNO. SCALE : SCALE DATE : DDMMYY SHEET-1 OF 2 SHEET SIZE - A1																																	