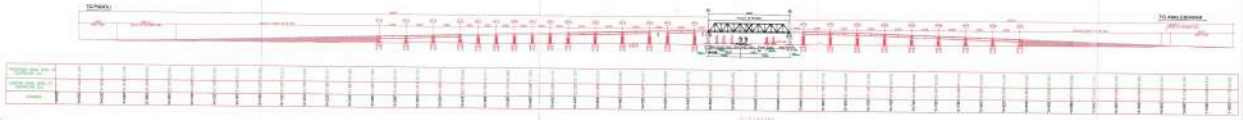

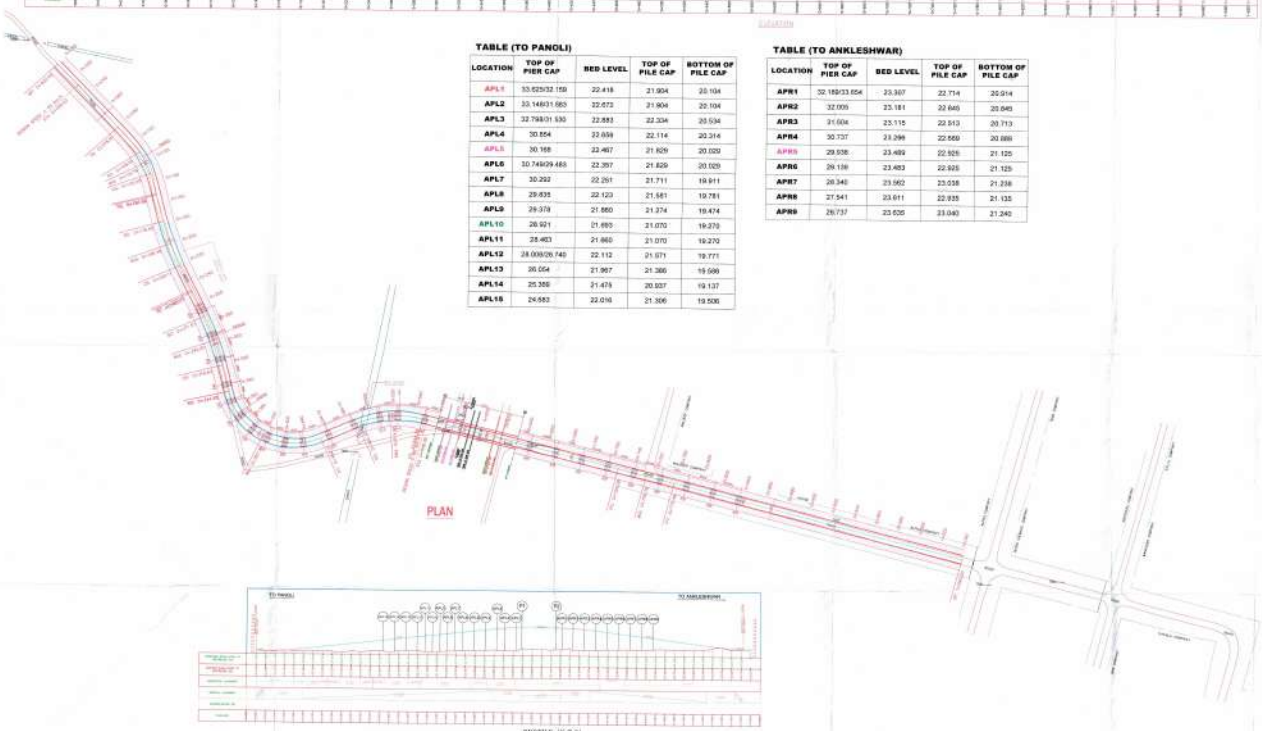

PLAN

PROFILE (N.T.S)

TABLE (TO PANOLI)

LOCATION	TOP OF PIER CAP	BED LEVEL	TOP OF PILE CAP	BOTTOM OF PILE CAP
APL1	33.625/32.159	22.418	21.904	20.104
APL2	33.148/31.683	22.673	21.904	20.104
APL3	32.798/31.530	22.883	22.334	20.534
APL4	30.854	22.639	22.114	20.314
APL5	30.168	22.467	21.829	20.029
APL6	30.749/29.483	22.357	21.829	20.029
APL7	30.292	22.251	21.711	19.911
APL8	29.835	22.123	21.581	19.781
APL9	29.378	21.860	21.374	19.474
APL10	28.921	21.660	21.070	19.270
APL11	28.463	21.660	21.070	19.270
APL12	28.006/26.740	22.112	21.571	19.771
APL13	26.054	21.967	21.366	19.566
APL14	25.359	21.475	20.937	19.137
APL15	24.582	22.016	21.306	19.506

TABLE (TO ANKLESHWAR)

LOCATION	TOP OF PIER CAP	BED LEVEL	TOP OF PILE CAP	BOTTOM OF PILE CAP
APR1	32.189/33.654	23.307	22.714	20.914
APR2	32.005	23.181	22.645	20.845
APR3	31.604	23.115	22.513	20.713
APR4	30.737	23.299	22.569	20.869
APR5	29.936	23.489	22.925	21.125
APR6	29.139	23.483	22.925	21.125
APR7	28.340	23.562	23.038	21.238
APR8	27.541	23.611	22.935	21.135
APR9	26737	23.626	23.040	21.240

LEGEND:

R.E WALL

EXISTING TRACK

PROPOSED BYC TRACK

NOTE: BRIDGE PORTION

1. THE DIMENSIONS SECTIONAL DETAILS, LEVEL DETAILS, ARE TANTATIVE AND MAY BE CHANGED TO SUIT FINDINGS DURING SURVEY AND SITE CONDITIONS.
2. DIAMETER DEPTH & NUMBER OF PILES ARE TANTATIVE AND MAY BE CHANGED AS PER DESIGN.
3. TEST PILE SHALL BE LOAD TESTED BEFORE CASTING OF ETHER MAIN PILES.
4. STRIP SEAL TYPE EXPANSION JOINTS AS PER IRC & CSPECIFICATION SHALL BE USED.
5. ALL OTHER SPECIFICATIONS SHALL BE AS PER IRSBT/IRC SPECIFICATION FOR SMALL SPANS.
6. SUPER STRUCTURE AND BEARING SHALL BE AS PER AGHOR DRAWING
7. CONCRETE GRADE
   i) LEVELLING COURSE M 15 ii) PIER, PIER CAP, PILE, PILE CAP, SEISMIC RESTRAINER M30
   iii) SUPER STRUCTURE M 50 iv) PEDESTAL, CRASH BARRIER M 40 v) RETAINING WALL M 30
8. REINFORCEMENT : As SPECIFIED CONFORMING TO IS 1786-2008
9. CLEAR COVER FOR REINFORCEMENT AS FOLLOWS.
   i) PILE : 75mm ii) PILE CAP : 75mm iii) PIER 40mm
10. CRASH BARRIER SHALL BE AS PLACED BY DFCCIL/ANSHU
11. THE STRUCTURE WILL BE DESIGNED AS PER LATEST IRC / IS SPECIFICATIONS FOR MODERATE CORROSION EXPOSURE.
12. ALL THE SETTING OUT DIMENSIONS AND REDUCED LEVELS ETC. SHALL BE VERIFIED AT SITE BEFORE STARTING THE WORK.
13. BRIDGE LOADING : DEFLANE OF 25T OR TWO LANE OF CLASS A LOADING
14. PROPER PROTECTION MEASURES SHALL BE TAKEN WHILE EXECUTING ITS WORK NEAR THE RAILWAY TRACK.
15. SAFETY WORK SHOULD BE PROPER LIKE PROTECTIVE SCREENS, FASTENING, CAUTION BOARD ETC.
16. IF THERE IS VARIATION OF ADO STRATA BY MORE THAN 500mm, THE MATTER SHOULD BE BROUGHT TO NOTICE OF DESIGN SECTION.
17. CHECK & VERIFIED THE ALIGNMENT BEFORE STARTING EXECUTION WORK.
18. BCD LEVEL, BCL, BOULDER VERIFIED BEFORE EXECUTION.
19. THE APPROACHES WORK SHOULD BE DONE WITH BEST SPECIFICATION.
20. SHAPES AND SIZE OF PIER, PIER CAP, BEARING SHOWN IN THIS DRG. TENTATIVE AND ARE SUBJECTED TO CHANGE IN FINAL DESIGN & DRAWING.
21. ALL THE WORK IN RAILWAY SHALL BE DONE ONLY IN PRESENCE OF AUTHORIZED RAILWAY REPRESENTATIVE AND NECESSARY PROTECTIVE WORKING, TRACK PROPER PRECAUTION SHALL BE TAKEN DURING EXCAVATION OF FOUNDATION AND AFTER THAT TRACK PROPER RESTORE SHALL BE DONE TO PROTECT RAISE FAILURE OF SOIL.
22. MIN. THK. CONCRETE BED OF 50 mm UNDER PIER.
23. SHOWN THE LEVELS OF THK. LOE, PILE CAP OF TENTATIVE, MAY BE CHANGE AS PER FINAL DESIGN.

NOTE: RE WALL PORTION

1. THE MINIMUM GRADE OF CONCRETE SHALL BE AS UNDER
   M-30 FOR T-SYMBL
   M-20 FOR COPING BEAMS
   M-10 FOR LEVELLING PADS
2. THE REQUIRED SAFE BEARING CAPACITIES FOR VARIOUS LOCATIONS ARE SHOWN IN CORRESPONDING L-SEC DRGS.
3. ANY UNSUITABLE FOUNDATION SOILS/ PILLED UP SOIL SHALL BE REMOVED & REPLACED WITH COMPACTED FILL OF APPROVED QUALITY.
4. IN THE REINFORCED & SETTLED ZONE SELECT GRANULAR FILL AS PER SPECIFICATIONS SHALL BE USED STRICT SUPERVISION DURING PLACING, SPREADING, GRADING & COMPACTION OF BACKFILL MATERIAL SHALL BE DONE.
5. COMMUNICATION CABLE DUCTS SHALL BE LAID AT THE JUNCTION OF CROSS DRAINAGE STRUCTURE AND RE WALL.
6. CUTTING WIDTH OF TOE WALL (TOE) SLOPE max W.TH 0.50m.
7. SERVICE MANHOLES IF REQUIRED SHALL BE PROVIDED WITH THE CONSTRUCTION OF RE WALL TO ENSURE MINIMUM MAINTENANCE.

NOTE:- ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE MENTIONED & LEVELS ARE IN METER.

CLIENT: THE CHIEF PROJECT MANAGER DFCCIL, VADODARA

TITLE: GENERAL ARRANGEMENT DRG. FOR LC-168 (LR KM 308/8-10)

LOCATION: BLOCK SECTION PANOLI-ANKLESHWAR BETWEEN PANOLI- SANJALI STATION

SURVEY AGENCY: A Division of GEO DESIGNS AND RESEARCH PVT LTD)
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GEO TEST HOUSE
An ISO 9001:2000 Company

PREPARED BY:KETAN KHARWA (SR. ENGINEER)	DRG NO:DTH. GAD. 168 Rev.
DESIGNED BY:ASEF SHEIKH (SR. ENGINEER)	DATE 15/07/2018 R0
CHECKED BY :HEMAL PATEL (DESIGN ENGINEER)	JOB NO. 2018_15_018