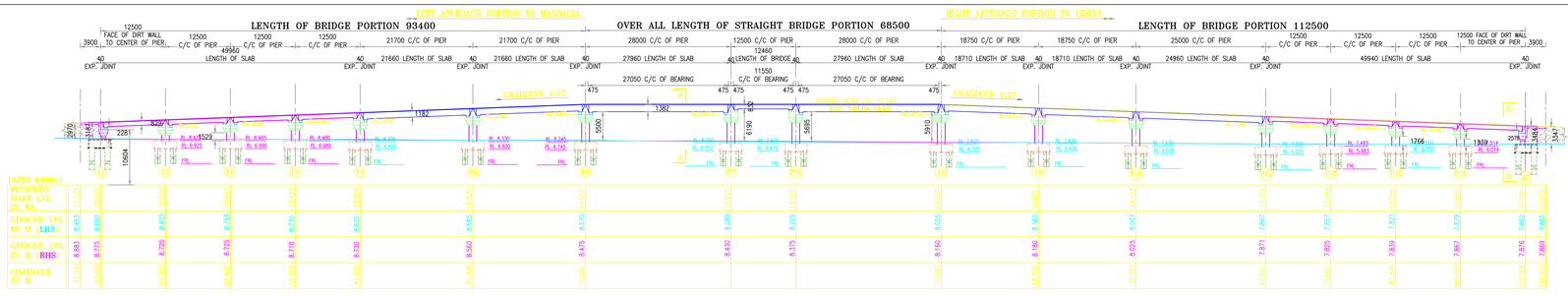
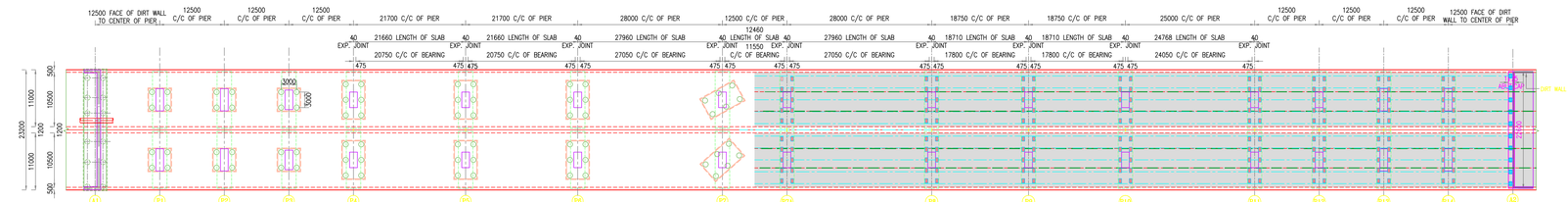
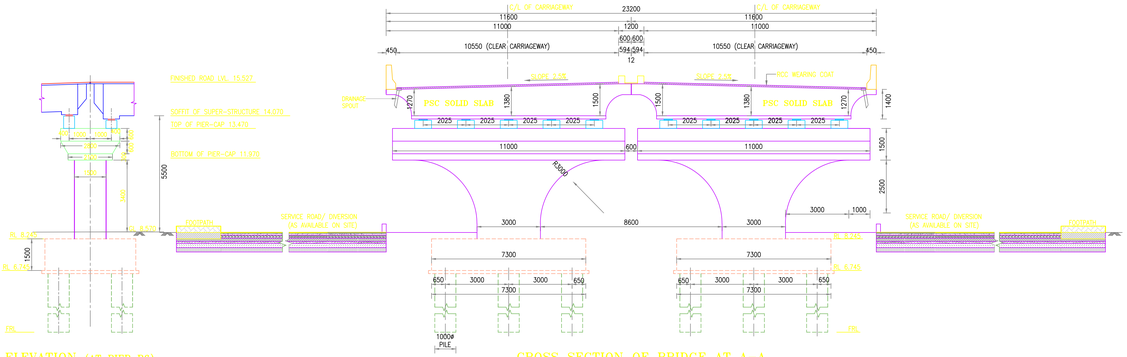


OPENED-UP ELEVATION OF PROPOSED BRIDGE
SCALE 1:400



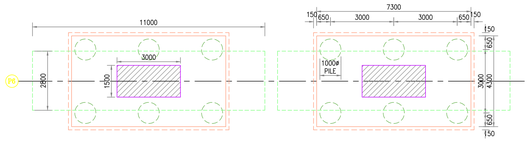
PART BOTTOM PLAN
SCALE 1:400

PART TOP PLAN
SCALE 1:400

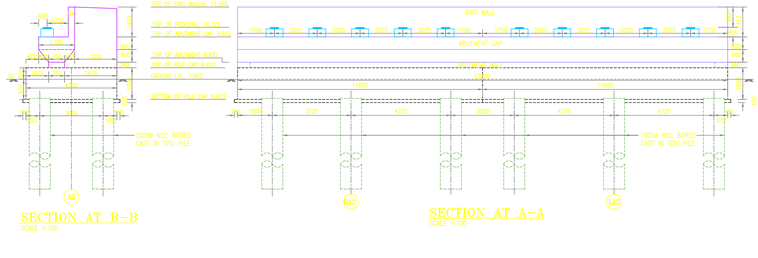


ELEVATION (AT PIER P6)
SCALE 1:100

CROSS SECTION OF BRIDGE AT A-A
SCALE 1:100

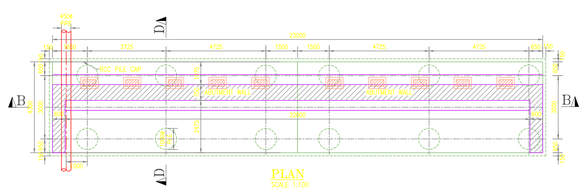


PLAN (PIER P6 AT FOUNDATION LVL.)
SCALE 1:100



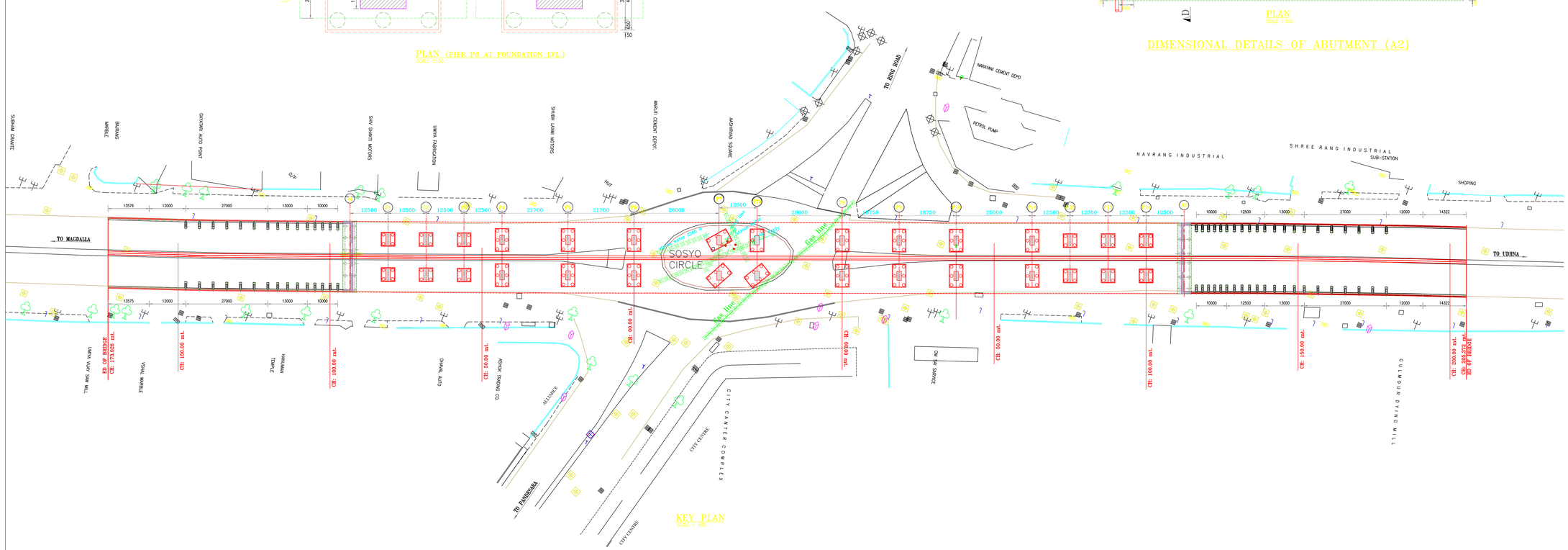
SECTION AT B-B
SCALE 1:100

SECTION AT A-A
SCALE 1:100



PLAN
SCALE 1:100

DIMENSIONAL DETAILS OF ABUTMENT (A2)



KEY PLAN
SCALE - NIS

NOTES :-

1) ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN MTRS UNLESS SPECIFIED OTHERWISE.
2) DIMENSIONS ARE NOT TO BE SCALED. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
3) THE DETAILS SHOWN IN SITE PLAN ARE AS PER THE SURVEY CARRIED OUT AT SITE.
4) THE DIMENSIONS SHOWN ARE TENTATIVE AND SHALL DEPEND UPON FINAL DESIGN.
5) THE FINISHED ROAD LVL/GRADE ARE MONDATORY, REST OF THE ARRANGEMENTS, NOS. & SPACING OF GIRDERS, TYPE OF SUPERSTRUCTURE, DIMENSIONS/THICKNESS, DEPTH & THICKNESS OF SUB-STRUCTURE MEMBERS, ETC. ARE TENTATIVE AND SHALL DEPEND UPON FINAL DESIGN.
6) THE APPROACHES ARE IN RCC RETAINING WALL AS PER DETAILED DRAWINGS.
7) AS PER CODAL REQUIREMENT 2.5% AGE OF CAMBER AND SUPER-ELEVATION SHALL BE PROVIDED IN STRAIGHT AND CURVED PORTION OF ROAD. EXTRA WIDENING IN CURVED PORTION SHALL BE PROVIDED ACCORDINGLY.
8) DRAINAGE SPOUT, EXPANSION JOINT & WEARING COAT SHOULD BE AS PER MOST OF SPECIFICATIONS AND DRAWINGS GIVEN BY CLIENT.
10) THE CONSTRUCTING AGENCY SHOULD ENSURE THAT THE NECESSARY PERMISSION HAS BEEN OBTAINED FROM ROAD AUTHORITY FOR DIVERTING THE TRAFFIC TEMPORARILY PRIOR TO COMMENCING THE WORK IF ANY.
11) UNDER GROUND CABLE ETC. IF ANY SHALL BE REMOVED & RE-ALIGNED BEFORE THE EXECUTION OF WORK STARTS.
12) NECESSARY SUITABLE SHORING AND STRUTTING SHALL BE PROVIDED FOR CASTING OF STRUCTURAL MEMBERS AND OTHER PLACE WHERE EVER REQUIRED AND DETAILED DRAWING SHALL BE SUBMITTED BY THE CONTRACTOR.
14) BRIDGE SHALL BE DESIGNED FOR
ONE LANE OF CLASS 70(R)+ ONE LANE CLASS A
OR
THREE LANE OF CLASS 'A' ALONG WITH FOOTPATH LOADING AS PER IRC:6-2000.
15) MIN. GRADES OF CONCRETE FOR VARIOUS COMPONENTS OF BRIDGE SHALL BE AS BELOW.

a) LEVELLING COURSE : M-15
b) FOOTING : M-35
c) ABUTMENT & PIER : M-35
d) ABUTMENT/PIER CAP : M-35
e) RCC RETAINING WALL : M-35
f) PEDESTAL & DATWALL : M-35
g) PSC SUPERSTRUCTURE : M-40
h) RCC SUPERSTRUCTURE : M-35
i) CRASH BARRIER : M-35

16) PRESTRESSING STEEL SHALL BE UNCOATED STRESSED RELIEVED LOW RELAXATION STRAND CLASS II CONFORMING TO IS 14268-1995.
17) REINFORCING STEEL SHALL BE OF HYSD (TMT) BARS CONFORMING TO IS-1786 OF Fe-415
18) WEEP HOLES IN ABUTMENT & RCC RETAINING WALL SHALL BE PROVIDED AS PER IRC-78 ALONG WITH DETAILS GIVEN IN DETAILED DRG.

REFERENCES:-

DRAWING NO. TITLE

REV. NO.	DATE	DESCRIPTION
R6	11-12-12	MODIFIED WITH ABUTMENT WITH PILE FOUNDATION & APPROACH, RETAININGWALL ON PILE FOUNDATION
R5	06-12-12	12.50m SPAN MADE CONTINUOUS
R4	07-07-12	SLOPE MODIFIED TO 1:27 FROM 1:30 TO MAINTAIN LENGTH OF BRIDGE WITH APPROACH AFTER REV-R3
R3	28-06-12	- LOCATION OF PIERS AND SPAN MODIFIED DUE TO UNDER GROUND UTILITIES AFTER SITE VISIT ON 27-06-12 - HEIGHT OF PEDESTAL MODIFIED TO 550mm. AS PER INSTRUCTION OF CLIENT
R2	13-04-12	AS PER INSTRUCTIONS OF CLIENT, LAYOUT OF SUPER STR. MODIFIED WITH SPACE FOR PRESTRESSING.
R1	21-11-11	APPROACH SPANS REVISED WITH PSC SOLID SLAB IN PLACE OF GIRDER AS PER INSTRUCTION OF CLIENT

EXECUTIVE ENGINEER
SURAT MUNI. CORP.
SURAT

CONSULTANTS

PROJECT :
CONSTRUCTION OF FLY OVER BRIDGE AT SOSYO CIRCLE JUNCTION ON UDHANA-MAGADALLA ROAD SURAT.

CLIENTS :
THE MUNICIPAL COMMISSIONER,
SURAT MUNICIPAL CORPORATION, MUGLISARA,
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TITLE :
GENERAL ARRANGEMENT DRAWING (BRIDGE PORTION)

DRAWN BY : SEJAL	DRG. NO.	REVISION
CHECKED BY : PANKAJ PATEL	SOSYO CIRCLE 03	R6
DATE : 19-10-2011		