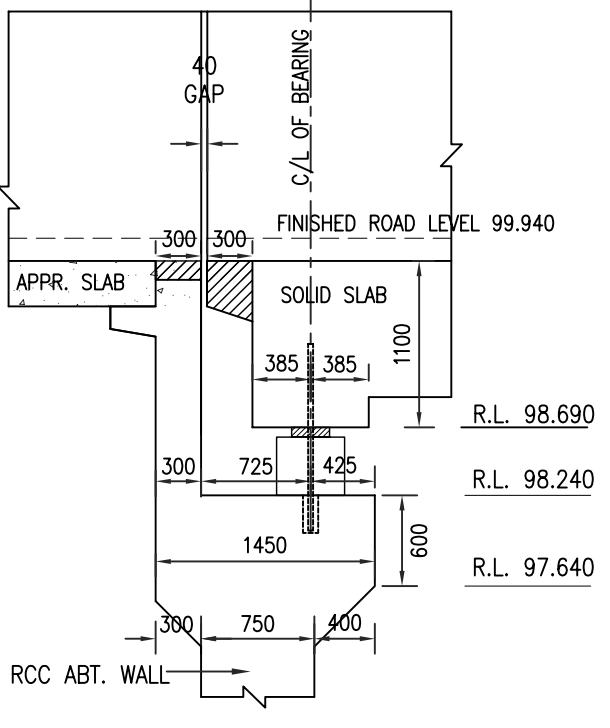
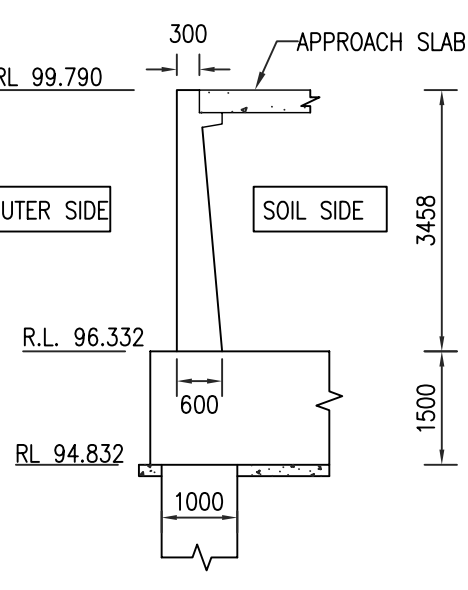


CROSS SECTION OF BRIDGE AT ABUTMENT
SCALE 1:100 (ABUTMENT)



CROSS SECTION OF ABUTMENT
SCALE 1:50

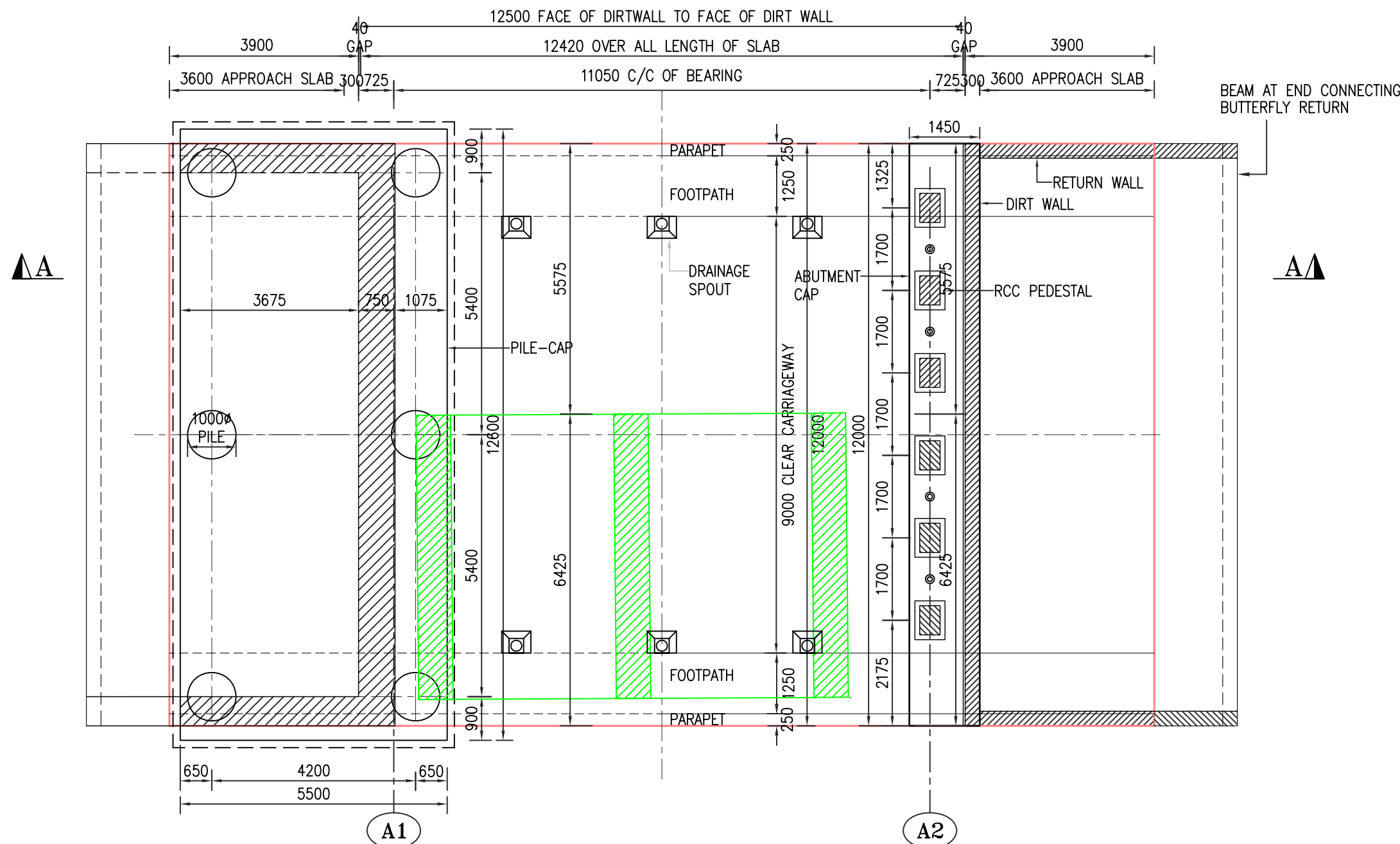


SECTION OF RETURN
SCALE 1:100

DATUM 87.000mt

FINISHED ROAD LVL. IN Mt.	99.940	99.940	99.940	99.940	99.940
GROUND LVL. IN M	99.812	97.563	97.563	97.563	99.214
CHAINAGE IN M	-9.400	-4.775	0.000	4.775	9.400

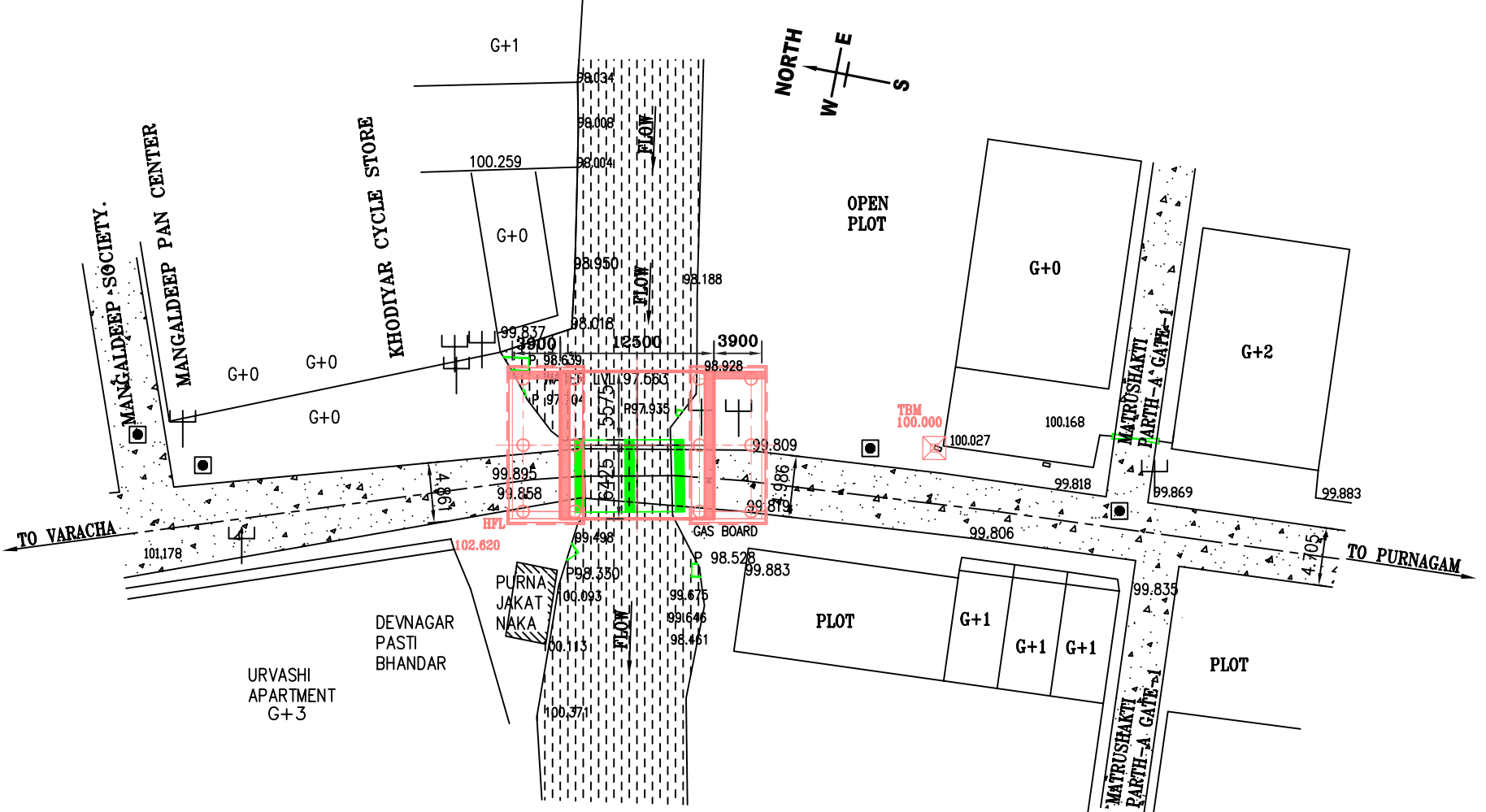
SECTIONAL ELEVATION AT 'A-A'
SCALE :- 1:100



HALF BOTTOM PLAN / HALF TOP PLAN
SCALE 1:100

LEGEND FOR STRUCTURES

SR.	STRUCTURE TYPE	CODE FOR SURVEY	SYMBOL
01	ELECTRIC POLE	EL	⊥
02	TBM PILLAR	TBM	⊗
03	TREE	TR	🌳
04	PUCCA ROAD	PR	▨
05	MANHOLE/CHAMBER	MH	●
06	TELEPHONE POLE	TP	⊥



KEY PLAN
SCALE : NTS

NOTES:-

- ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN MTRS UNLESS SPECIFIED OTHERWISE.
- DIMENSIONS ARE NOT TO BE SCALED. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
- THIS DRAWING IS PREPARED FROM DETAILED SURVEY OF SITE USING TOTAL STATION.
- DURING EXECUTION OF NEW BRIDGE ON BOTH SIDE OF EXISTING BRIDGE IT IS CONTRACTOR'S RESPONSIBILITY THAT THERE WILL NOT BE ANY DAMAGE TO ANY COMPONENT OF EXISTING BRIDGE STRUCTURE.
- EARTH FILLING IS TO BE PROVIDED AT ABUTMENT OF NEW PROPOSED BRIDGE WITH PROPER COMPACTION AND IN 1.5 : 1 SLOPE WITH PROTECTION COVER OF STONE PITCHING WITH CEMENT POINTING OVER IT.
- PROPOSED WORK SHOWN IN RED AND EXISTING WORK TO BE DISMANTLED IS SHOWN IN GREEN IN KEY PLAN.
- THE DIMENSIONS SHOWN ARE TENTATIVE AND SHALL DEPEND UPON FINAL DESIGN.
- THE ARRANGEMENT, TYPE OF SUPERSTRUCTURE, DIAMETER/THICKNESS, DEPTH & THICKNESS OF SUB-STRUCTURE MEMBERS, ETC. ARE TENTATIVE AND SHALL DEPEND UPON FINAL DESIGN.
- DRAINAGE SPOUT, EXPANSION JOINT & WEARING COAT SHOULD BE AS PER SPECIFICATIONS AND DRAWINGS GIVEN BY CLIENT.
- THE CONSTRUCTING AGENCY SHOULD ENSURE THAT THE NECESSARY PERMISSION HAS BEEN OBTAINED FROM MUNICIPAL CORPORATION FOR DIVERTING THE TRAFFIC TEMPORARILY PRIOR TO COMMENCING THE WORK.
- UNDER GROUND CABLE ETC. IF ANY SHALL BE REMOVED & RE-ALIGNED BEFORE THE EXECUTION OF WORK STARTS.
- NECESSARY SUITABLE SHORING AND STRUTTING SHALL BE PROVIDED FOR CASTING OF STRUCTURAL MEMBERS AND AT OTHER PLACE WHERE EVER REQUIRED AND DETAILED DRAWING SHALL BE SUBMITTED BY THE CONTRACTOR.
- BRIDGE SHALL BE DESIGNED FOR TWO LANE OF CLASS 70(R) OR FOUR LANES OF CLASS 'A' ALONGWITH FOOTPATH LOADING, WITH WORST COMBINATION. FOOTPATH LOADING SHALL BE AS PER CLAUSE 209.1 OF IRC-6-2000
- GRADES OF CONCRETE FOR VARIOUS COMPONENTS OF BRIDGE SHALL BE AS BELOW.

a) LEVELLING COURSE	: M-15
b) PILES & PILE CAP	: M-35
c) FOUNDATION CONCRETE	: M-35
d) SUBSTRUCTURE CONCRETE	: M-35
e) CAPS, PEDESTALS, DIRTWALL	: M-35
f) SUPERSTRUCTURE (RCC SOLID SLAB)	: M-35
g) WEARING COAT	: M-30
h) CRASH BARRIER & KERBSTONE	: M-35
i) FOOTPATH SLAB & APPR. SLAB	: M-25
j) RAILING & PARAPET	: M-25

SEQUENCE OF EXECUTION

- DISMANTLE EXISTING BRIDGE.
- AS PER DRAWING EXECUTE NEW BRIDGE.
- TRAFFIC SHALL BE DIVERTED TILL COMPLETION OF BRIDGE.

NEW BRIDGE WILL BE EXECUTED ONLY AFTER DISMANTLE OLD BRIDGE

FOR TENDER PURPOSE ONLY

R1	9-12-11	AS PER INSTRUCTIONS OF CLIENT DRAWING MODIFIED WITH 6 PILES IN PLACE OF 8 PILES
REV. NO.	DATE	DESCRIPTION
		EXECUTIVE ENGINEER SURAT MUNI. CORP. SURAT
		CONSULTANTS

PROJECT :

CONSTRUCTION OF CREEK BRIDGE NEAR MATRUSHAKTI/MANGALDEEP SOCIETY OF T.P. NO. 3 (KARANJ) & T.P. NO. 11 (PUNA) IN VARACHCHA AREA, SURAT

CLIENTS :

THE MUNICIPAL COMMISSIONER
SURAT MUNICIPAL CORPORATION, MUGLISARA,
SURAT - 390005

CONSULTANTS :

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NAVA VADAJ, AHMEDABAD-380013
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E-mail : ppaai_99@yahoo.co.in

TITLE :

GENERAL ARRANGEMENT DRAWING

DRAWN BY : SEJAL	DRG. NO.	REVISION
CHECKED BY : PANKAJ PATEL	MATRU-SHAKTI	R1
DATE : 19-04-2011	02	