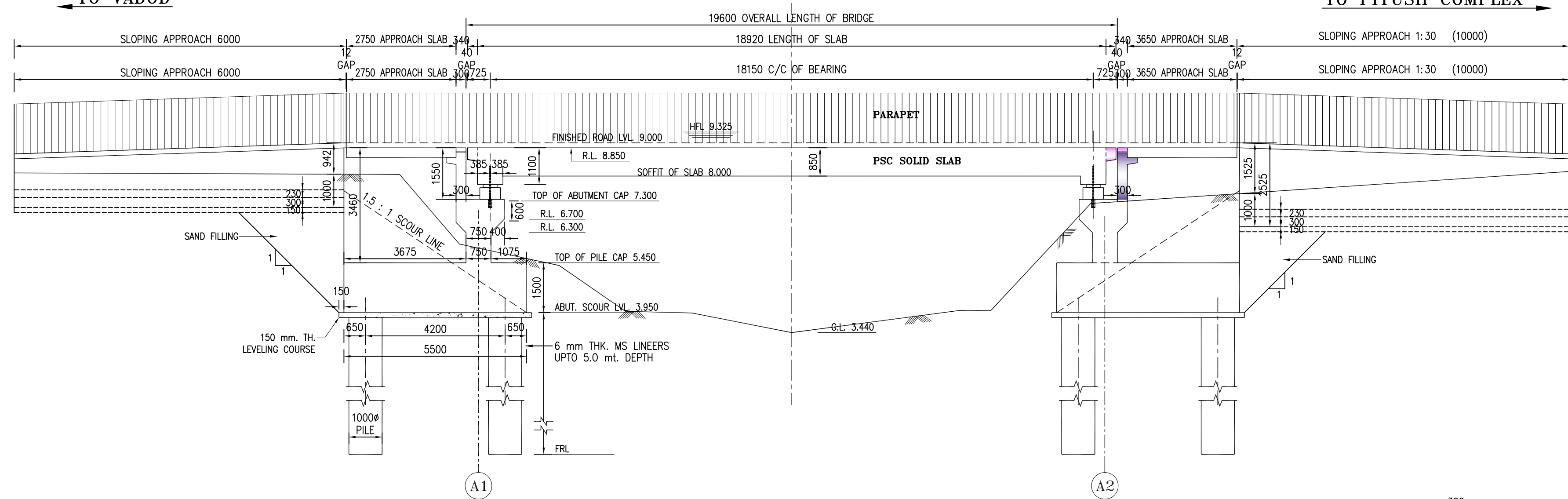


TO VADOD

TO PIYUSH COMPLEX

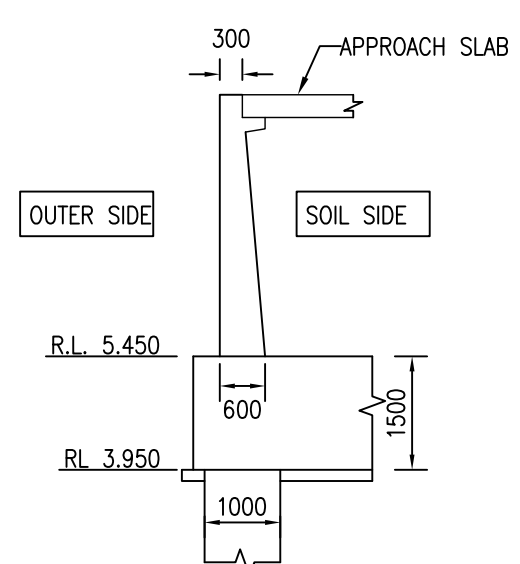


GROUND LEVEL IN METRE	8.215	8.200	6.105	5.460	4.080	4.030	3.440	4.100	4.110	7.325	7.390	7.725
CHANGINE IN METRE	-5.000	-1.000	0.000	3.000	5.000	7.000	10.000	15.000	16.000	19.000	20.000	25.000

SECTIONAL ELEVATION AT 'A-A'

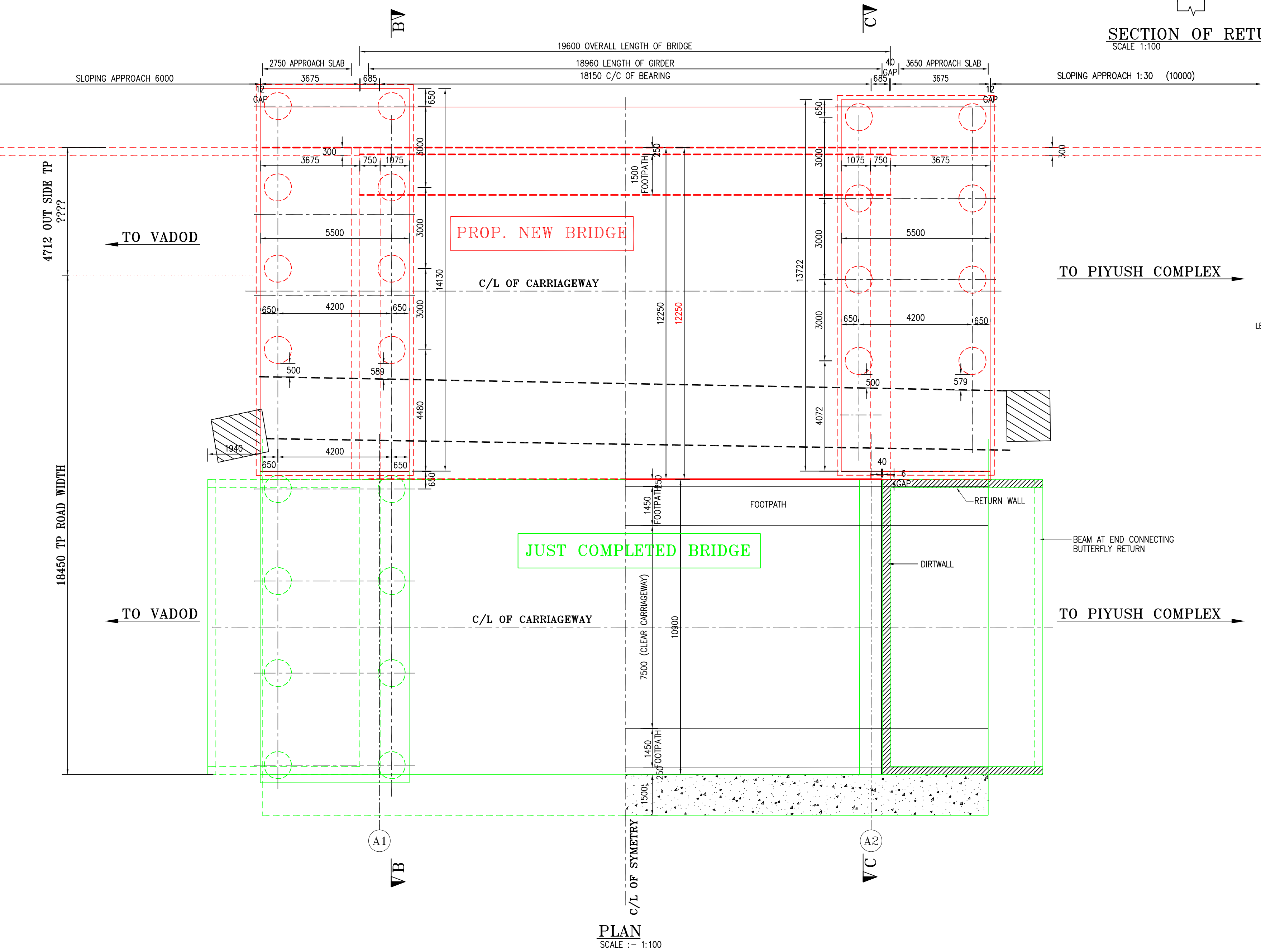
SCALE :- 1:100

GROUND PROFILE AS PER CS-5 OF SMC/CS/KHADI-BAMROLI/1/06



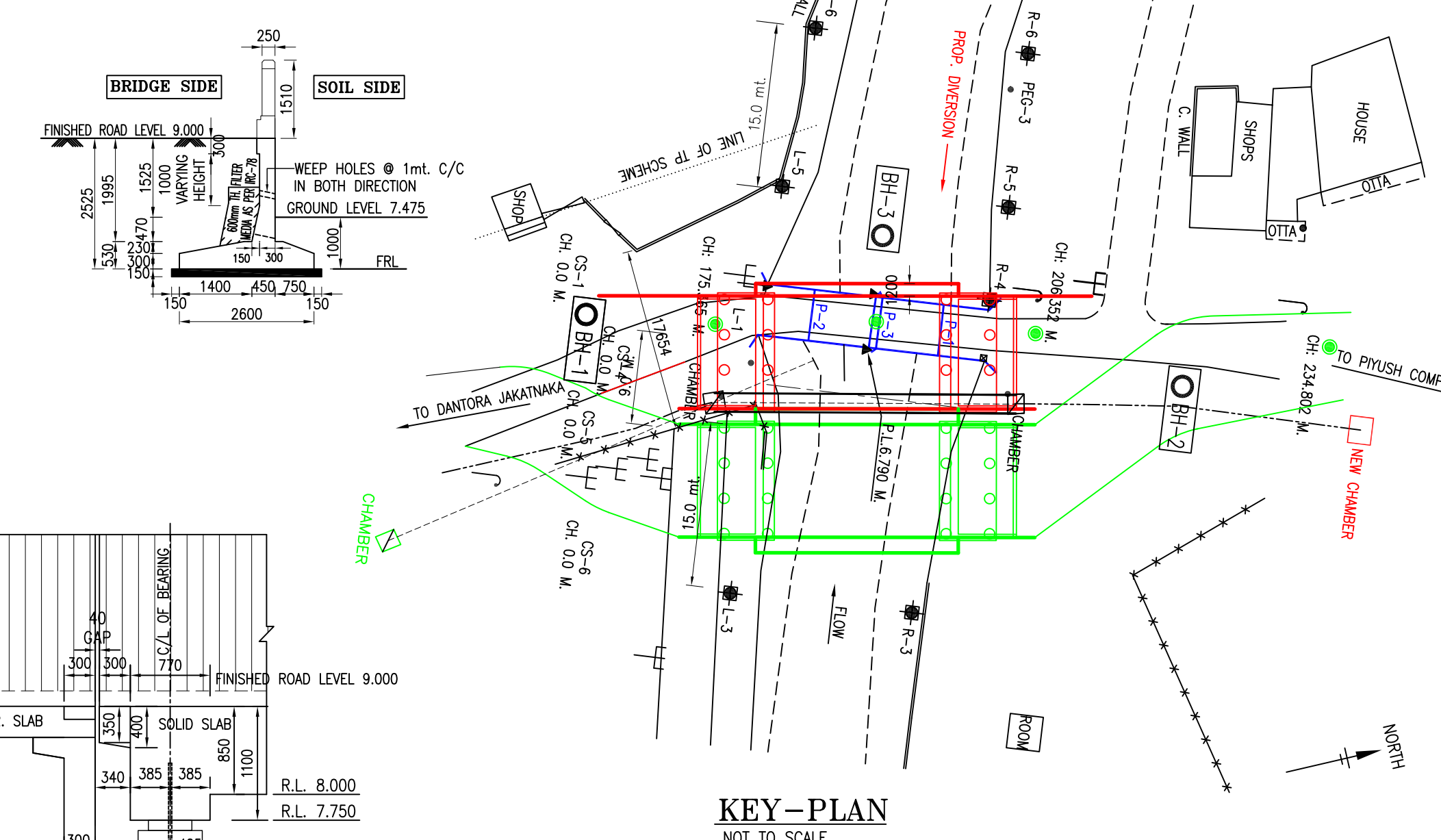
SECTION OF RETURN

SCALE: 1:100



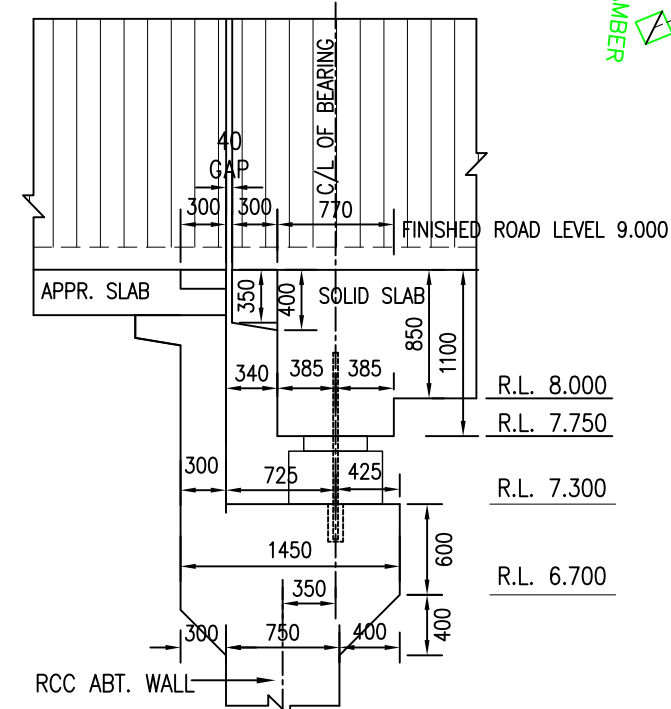
PLAN

SCALE :- 1:100



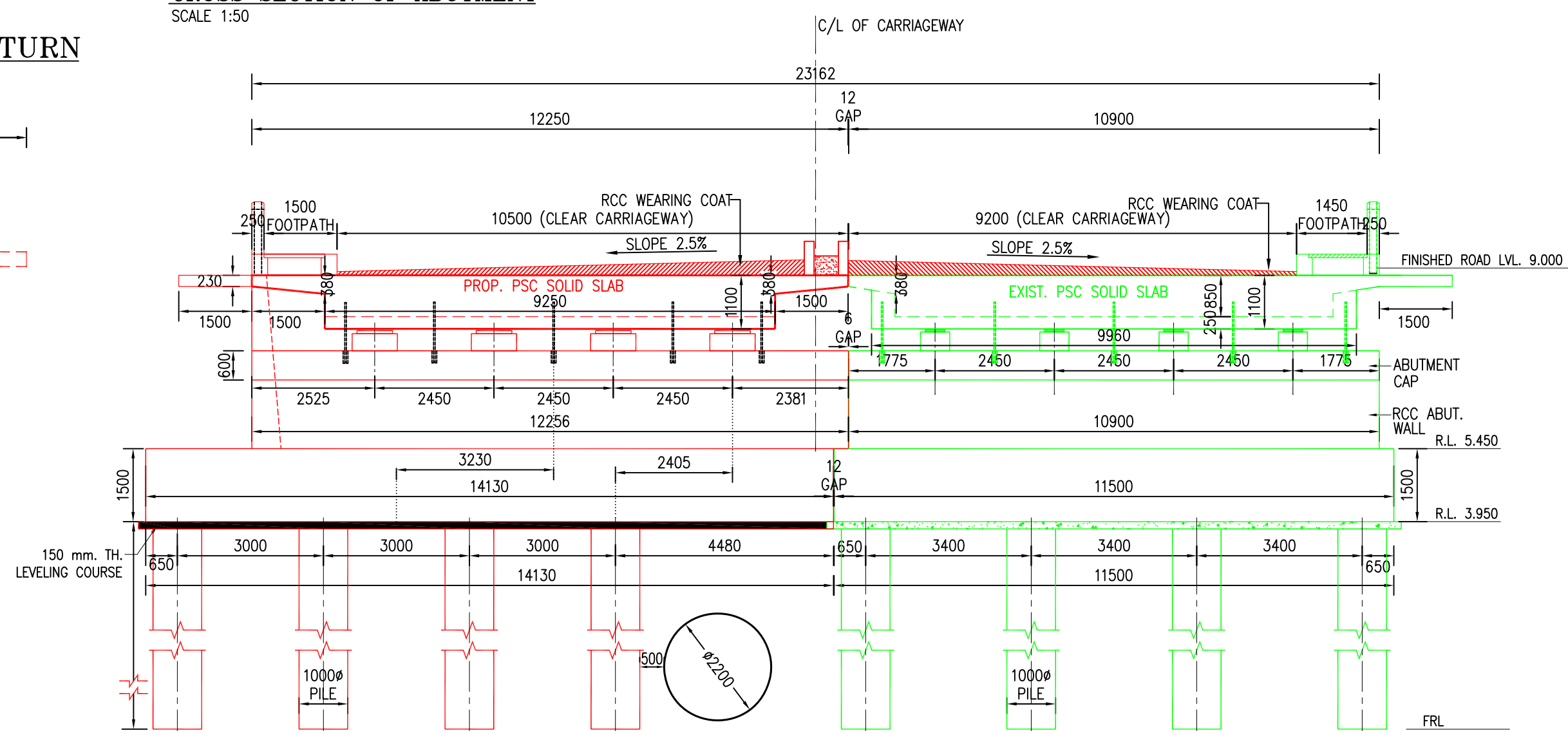
KEY-PLAN

NOT TO SCALE



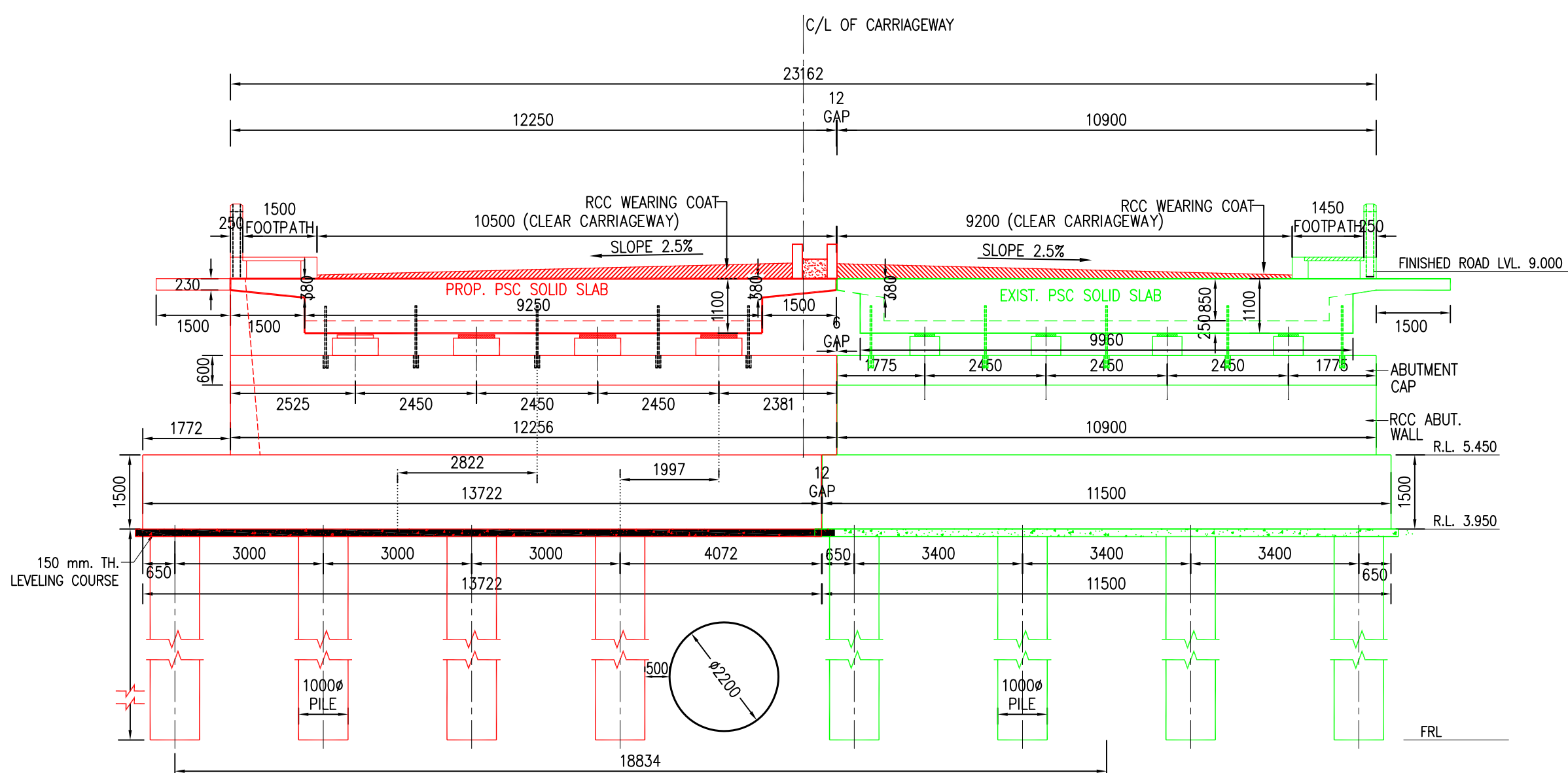
CROSS SECTION OF ABUTMENT

SCALE: 1:50



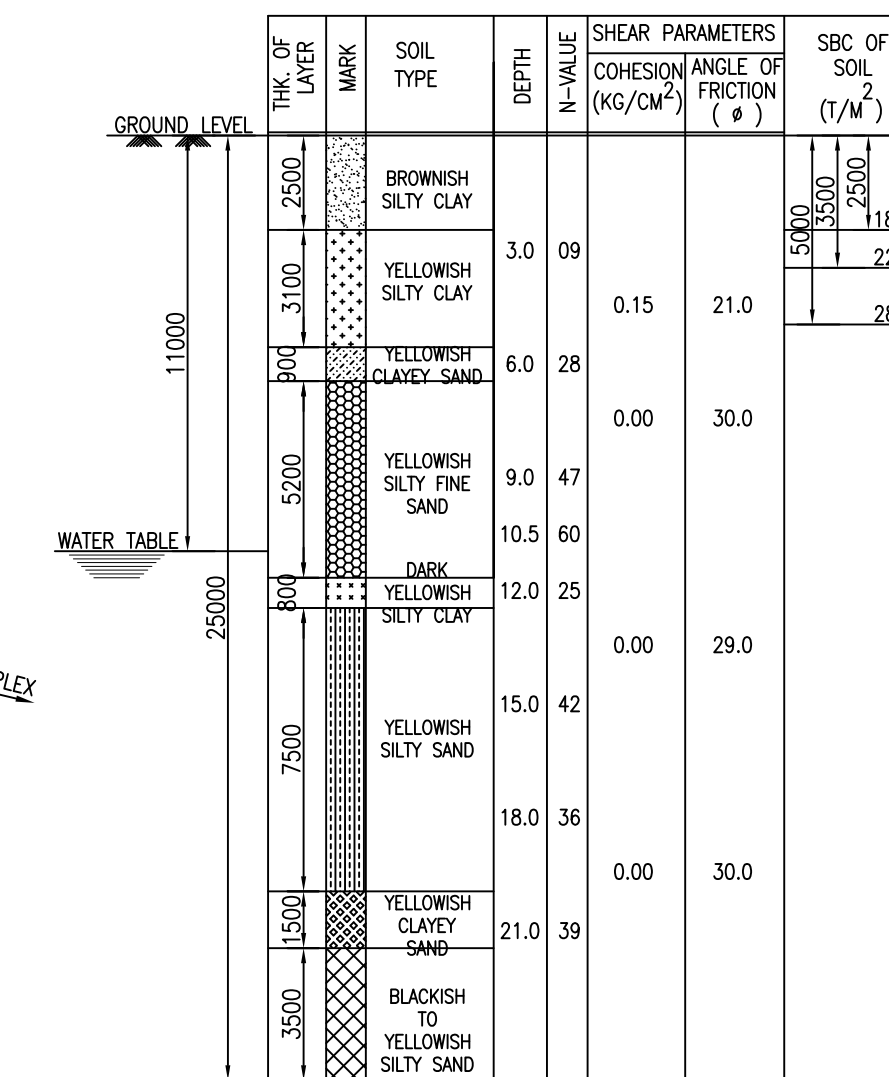
CROSS SECTION OF BRIDGE AT B-B (ABUTMENT A1)

SCALE: 1:100 (ABUTMENT A1)



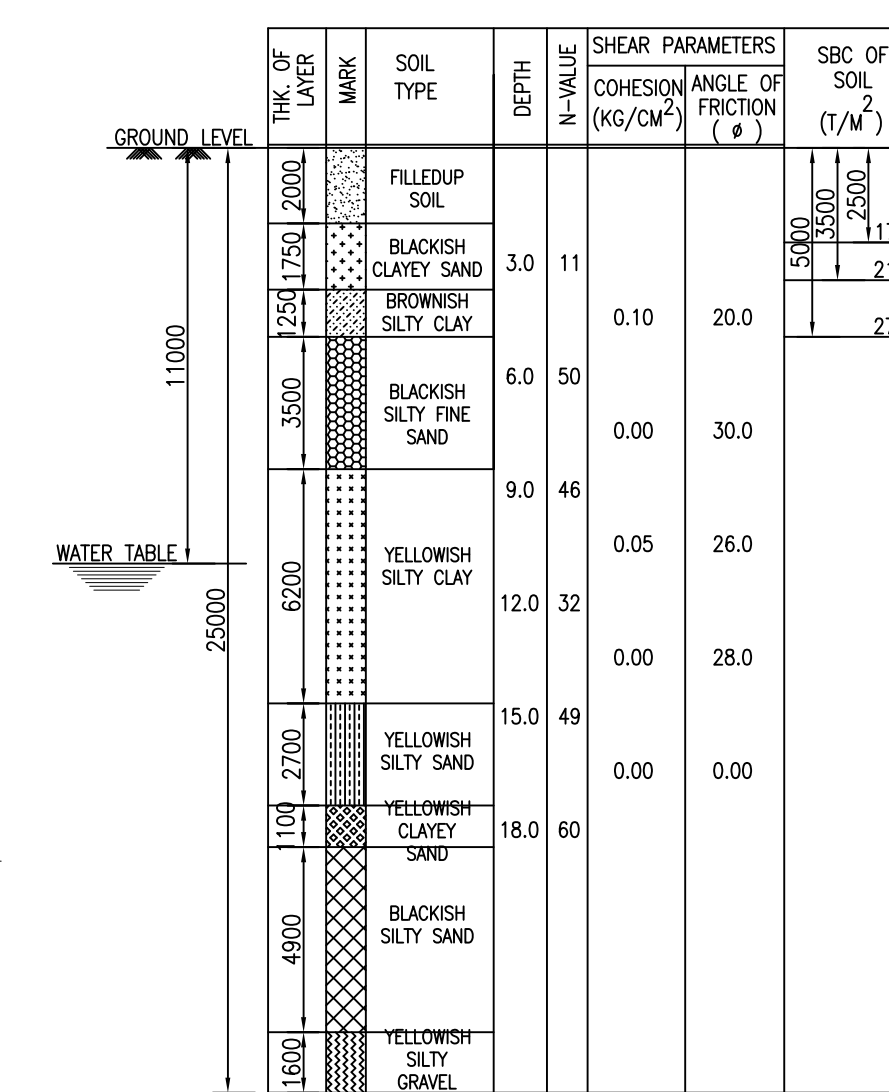
CROSS SECTION OF BRIDGE AT C-C (ABUTMENT A2)

SCALE: 1:100 (ABUTMENT A2)



DETAILS BORELOG-1

SCALE:- NTS



DETAILS BORELOG-2

SCALE:- NTS

AS-BUILT DRAWING

NOTES :-

- ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN METERS UNLESS SPECIFIED OTHERWISE.
- DIMENSIONS ARE NOT TO BE SCALED. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
- THIS DRAWING IS PREPARED FROM DETAILED SURVEY OF BAMBOLI KHADI ACROSS TAPTI RIVER FOR PROPOSED BRIDGE AS SUPPLIED BY SMC VIDE LETTER NO. PPA/1111/2006 DATED 11-11-2006 (OF M/S. CHETAN ENGINEERS, BARODA).
- FRL IS DECIDED AS PER SOIL INVESTIGATION REPORT OF CIVIL ENGG. RESEARCH LABORATORY, SURAT; SUPPLIED VIDE SMC'S LETTER NO. BRIDGE CELL/NO. 1459 DATED 06-02-2007.
- 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 PROTECT ON COVER OF STONE PITCHING WITH CEMENT POINTING OVER IT.
- PROPOSED WORK SHOWN IN RED AND WORK TO BE DISMANTLED SHOWN IN BLUE & JUST COMPLETED BRIDGE IN GREEN IN KEYPLAN.
- 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 OTHER PLACE WHERE EVER REQUIRED AND DETAILED DRAWING SHALL BE SUBMITTED BY THE CONTRACTOR.
- BRIDGE HAS BEEN DESIGNED FOR ONE LANE OF CLASS 70(R) + CLASS A OR THREE 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 (PSC SOLID SLAB)	M-40
g) WEARING COAT	M-30
h) CRASH BARRIER & KERBSTONE	M-35
i) FOOTPATH SLAB & APPR. SLAB	M-25
j) RAILING & PARAPET	M-25
- BORELOG DETAILS SHOWN HERE ARE AS PER SOIL INVESTIGATION CARRIED OUT AT SITE BY CIVIL ENGINEERING RESEARCH LABORATORY, SURAT.
- THE LOCATION OF PROPOSED CHAMBERS AND PIPELINES IS TENTATIVE. THE SAME WILL BE DECIDED BY THE ENGINEER IN CHARGE AT THE TIME OF EXECUTION.

EXISTING OLD BRIDGE SHALL BE DISMANTLE & IN PLACE OF THAT NEW BRIDGE SHALL BE CONSTRUCTED

REV. NO.	DATE	DESCRIPTION
R3	22-11-13	GAD MODIFIED TO KEEP ABUTMENT WALL OF OLD AND NEW BRIDGE IN LINE
R2	17-10-13	DUE TO DRAINAGE CROSS 2200Ø PIPE LOCATION OF PILE MODIFIED & ARRANGEMENT OF SUPER STR. MODIFIED
R1	12-04-13	TO AVOID SCOUR PILECAP, WALL & DIRTWALL EXTENDED UP TO EXISTING BRIDGE

EXECUTIVE ENGINEER  
SURAT MUNI. CORP.  
SURAT

CONSULTANTS  
PROJECT :  
CONSTRUCTION OF CREEK BRIDGE IN PLACE OF EXISTING OLD BRIDGE ON BHEDWAD KHADI JOINING PANDESARA AND BAMBOLI NEAR OLD DANTORA JAKATNAKA ,SURAT.

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

CONSULTANTS :  
PANKAJ M PATEL CONSULTANT PVT. LTD.  
303, CHAKRABARTY COMPLEX, OPP. KIRAN PARK CIRCLE,  
NAVA VADVA, AHMEDABAD-380013  
PH/FAX : 079-27643175, 27640428  
E-mail : paai\_99@yahoo.co.in, paai99@gmail.com

TITLE :  
GENERAL ARRANGEMENT DRAWING FOR  
DANTORA NEW BRIDGE

DRAWN BY :	DANGI NO.	REVISION
CHECKED BY : PANKAJ PATEL	DANTORA	R3
DATE :	25-5-2010	