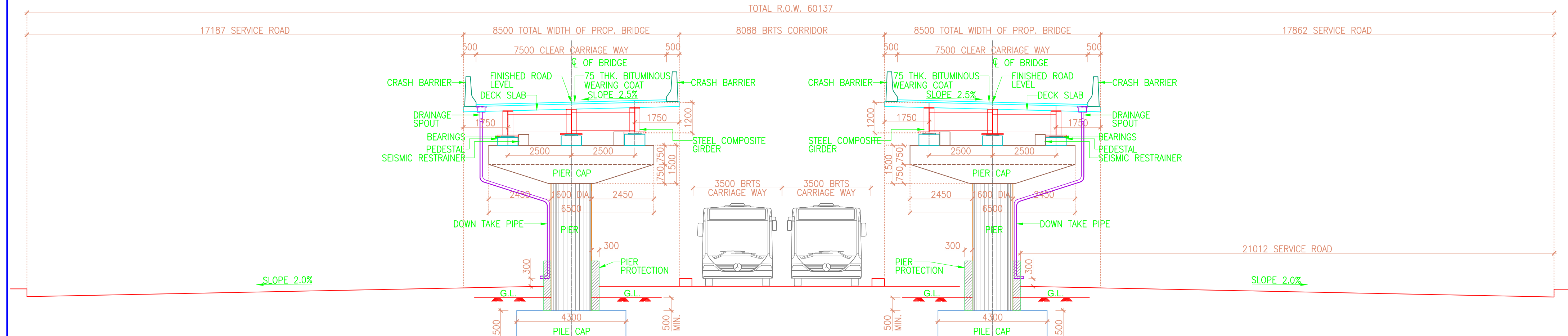
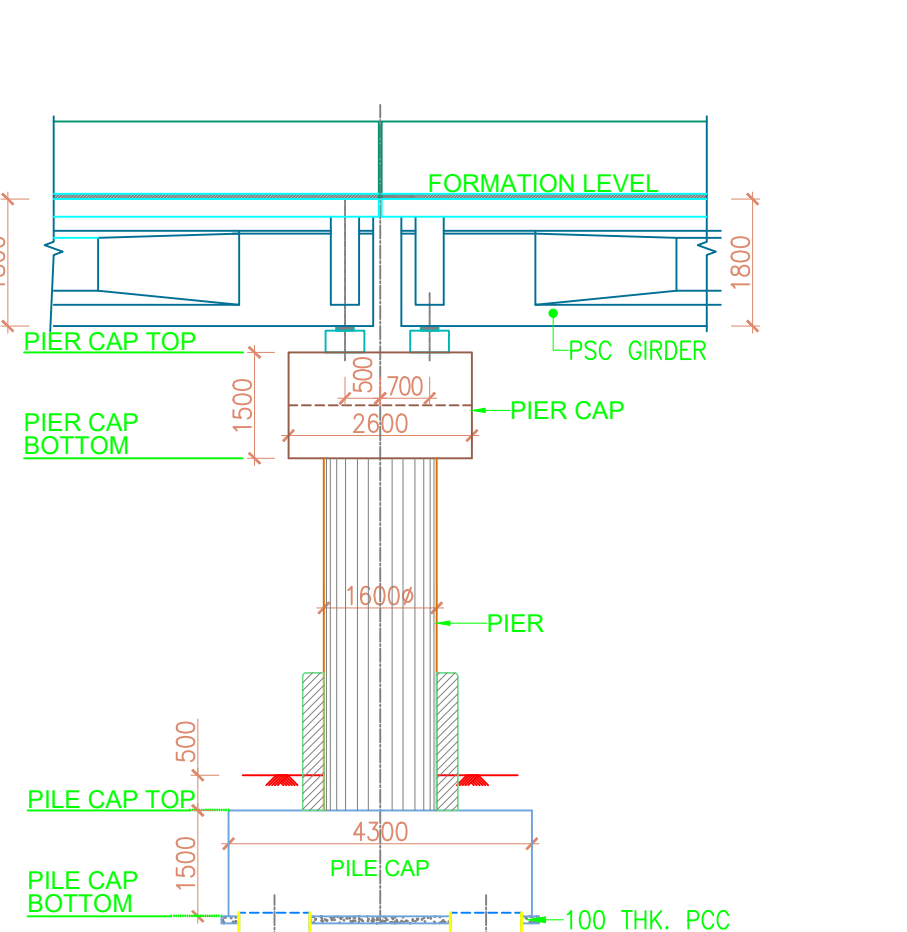


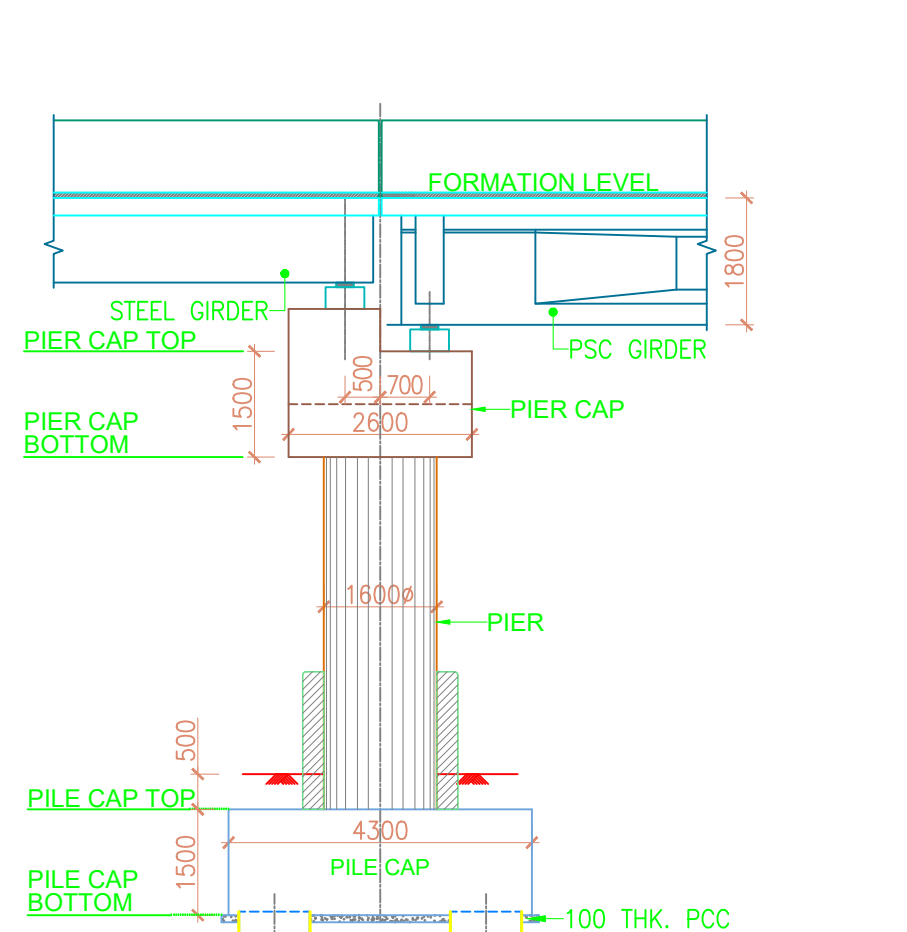
SECTION: C-C (CROSS SECTION FOR 25.00m SPAN (PSC GIRDER))



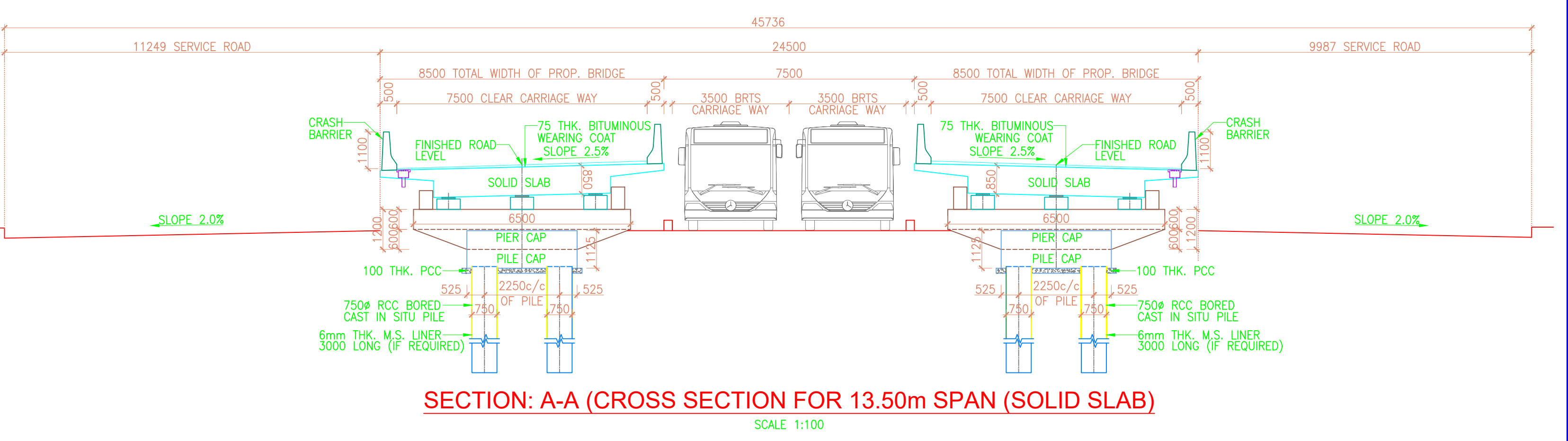
SECTION: B-B (CROSS SECTION FOR 25.00m SPAN (STEEL GIRDER))



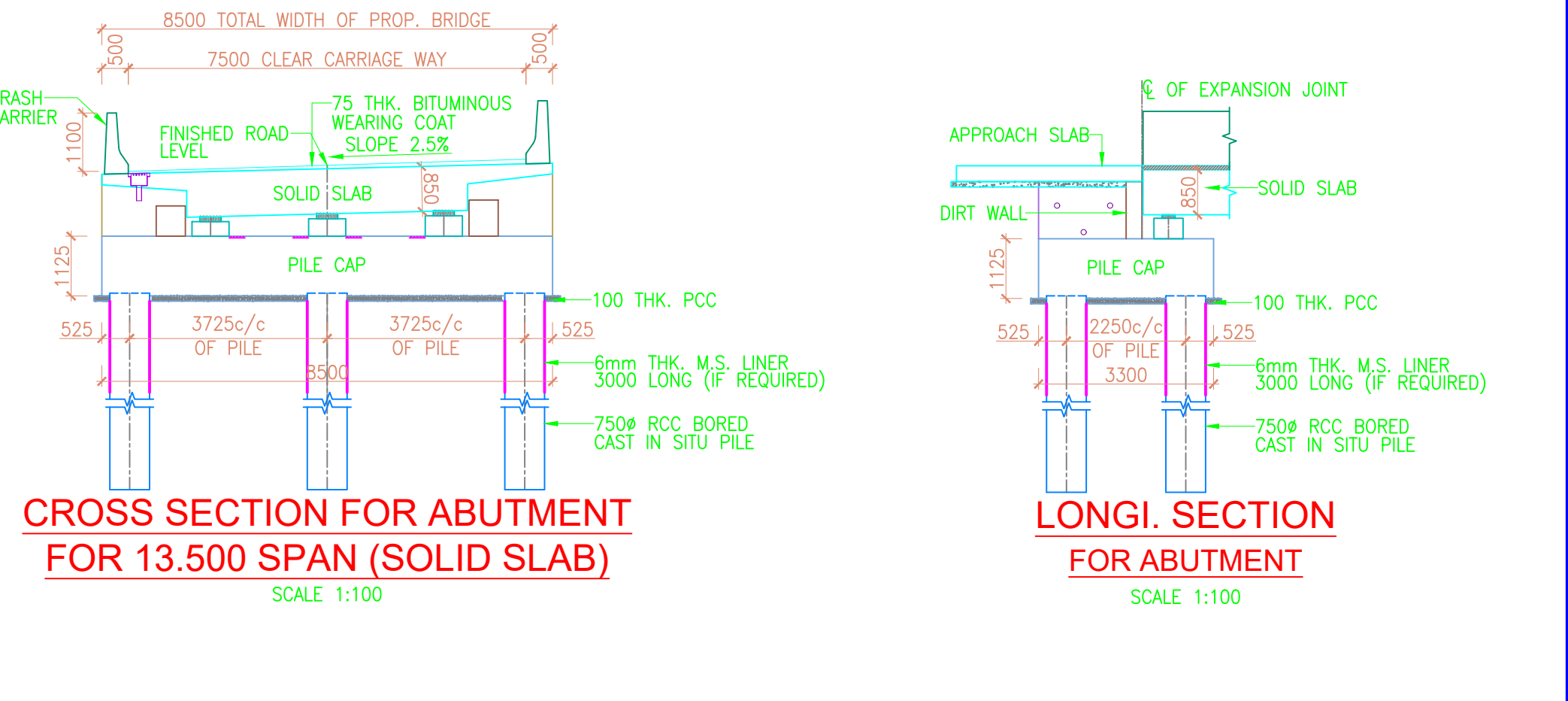
TYP. LONGI. SECTION FOR (25.00m SPAN PSC GIRDER)



TYP. LONGI. SECTION FOR (PIER 'JN1', 'JN2', 'JN3' & 'JN6')

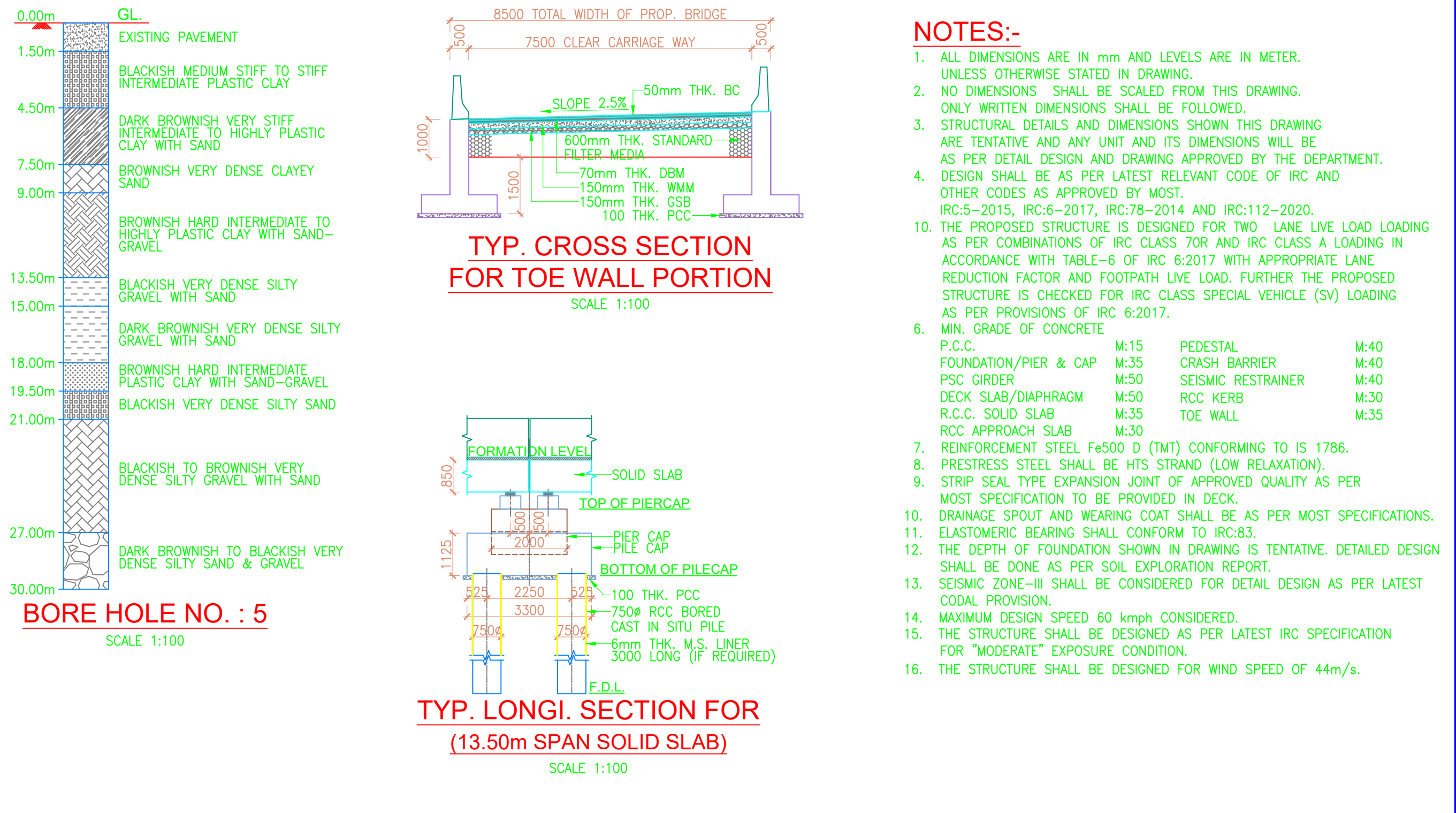
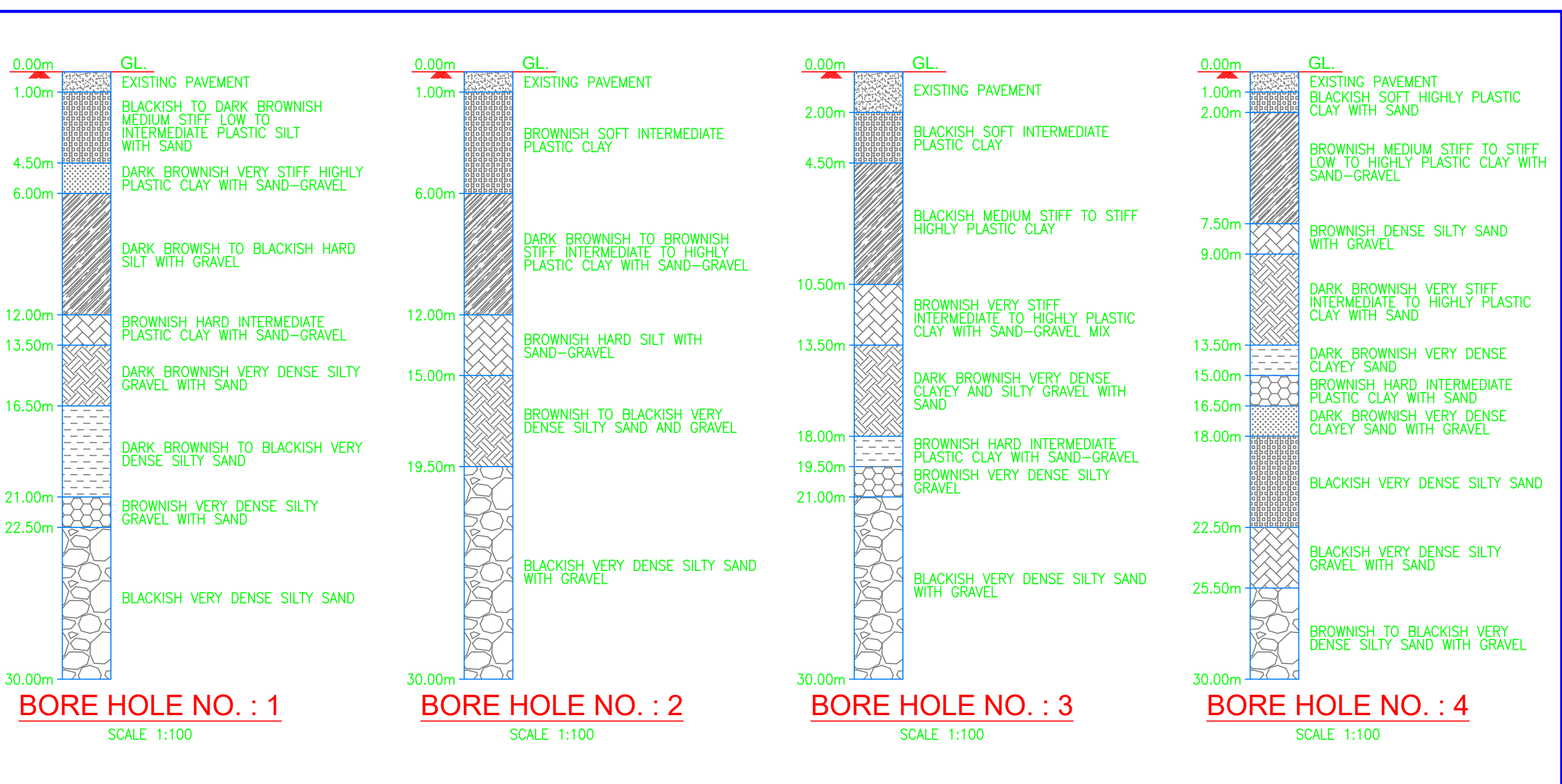


SECTION: A-A (CROSS SECTION FOR 13.50m SPAN (SOLID SLAB))



LONGI. SECTION FOR ABUTMENT

PIER NO.	PRI.	PIERCAP TOP LVL.	PIERCAP BOTTOM LVL.	PILECAP TOP LVL.	PILECAP BOTTOM LVL.	GROUND LVL.	HEIGHT OF PIER
A/SL	15.621	14.300	14.300	14.300	13.175	14.517	---
PS/5	16.161	14.800	13.600	14.400	13.275	14.500	---
PS/4	16.701	15.300	14.100	14.400	13.275	14.292	---
PS/3	17.242	14.900	13.400	14.400	12.900	14.477	---
PS/2	18.242	15.900	14.400	13.800	12.300	14.381	0.600
PS/1	19.242	16.900	15.400	13.800	12.300	14.297	1.600
PSL1	20.242	17.900	16.400	13.600	12.100	14.133	2.800
PSL2	20.797	18.500	17.000	13.300	11.800	13.900	3.700
PSL3	20.797	18.500	17.000	13.300	11.800	13.753	3.700
JN/3	20.522	18.200	16.700	13.000	11.500	13.529	3.700
JN/4	20.247	17.900	16.400	12.700	11.200	13.244	3.700
JN/5	19.972	17.700	16.200	12.200	10.700	12.815	4.000
JN/6	19.697	17.400	15.900	12.000	10.500	12.571	3.900
PAL1	19.086	16.800	15.300	12.000	10.500	12.551	3.300
PAL2	18.086	15.800	14.300	11.900	10.400	12.379	2.400
PAL3	17.086	14.800	13.300	11.900	10.400	12.344	1.400
PAL4	16.086	13.800	12.300	11.700	10.200	12.235	0.600
PAL5	15.086	12.800	11.300	12.000	10.500	12.057	---
PAL6	14.545	13.200	12.000	12.300	11.175	12.068	---
PAL7	14.005	12.650	11.450	12.000	10.875	12.167	---
A/AL	13.445	12.100	12.100	12.100	10.975	12.244	---
A/3R	15.621	14.300	14.300	14.300	13.175	14.472	0.000
PSR6	16.161	14.800	13.600	14.400	13.275	14.500	0.000
PSR5	16.701	15.300	14.100	14.400	13.275	14.486	0.000
PSR4	17.242	14.900	13.400	14.400	12.900	14.489	0.000
PSR3	18.242	15.900	14.400	13.800	12.300	14.494	0.600
PSR2	19.242	16.900	15.400	13.900	12.400	14.424	1.500
PSR1	20.242	17.900	16.400	13.500	12.000	14.027	2.900
JN/1	20.797	18.500	17.000	13.100	11.600	13.630	3.900
JN/2	20.797	18.500	17.000	12.700	11.200	13.537	4.300
JN/3	20.522	18.200	16.700	12.300	10.800	12.846	4.400
JN/4	20.247	17.900	16.400	12.000	10.500	12.522	4.400
JN/5	19.972	17.700	16.200	11.600	10.500	12.400	4.200
JN/6	19.697	17.400	15.900	12.000	10.500	12.431	3.900
PAL1	19.086	16.800	15.300	12.100	10.600	12.565	3.000
PAL2	18.086	15.800	14.300	12.100	10.600	12.634	2.200
PAL3	17.086	14.800	13.300	12.000	10.500	12.486	1.300
PAL4	16.086	13.800	12.300	11.700	10.200	12.292	0.600
PAL5	15.086	12.800	11.300	12.200	10.700	12.229	0.000
PAL6	14.545	13.200	12.000	12.300	11.175	12.234	0.000
PAL7	14.005	12.650	11.450	12.300	11.175	12.446	0.000
A/AR	13.445	12.100	12.100	12.100	10.975	12.566	0.000



- NOTES:-**
- ALL DIMENSIONS ARE IN mm AND LEVELS ARE IN METER. UNLESS OTHERWISE STATED IN DRAWING.
 - NO DIMENSIONS SHALL BE SCALED FROM THIS DRAWING. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
 - STRUCTURAL DETAILS AND DIMENSIONS SHOWN IN THIS DRAWING ARE TENTATIVE AND ANY UNIT AND ITS DIMENSIONS WILL BE AS PER DETAIL DESIGN AND DRAWING APPROVED BY THE DEPARTMENT.
 - DESIGN SHALL BE AS PER LATEST RELEVANT CODE OF IRC AND OTHER CODES AS APPROVED BY MOST.
 - THE PROPOSED STRUCTURE IS DESIGNED FOR TWO LANE LIVE LOAD LOADING AS PER COMBINATIONS OF IRC CLASS 70R AND IRC CLASS A LOADING IN ACCORDANCE WITH TABLE-6 OF IRC 6:2017 WITH APPROPRIATE LANE REDUCTION FACTOR AND FOOTPATH LIVE LOAD. FURTHER THE PROPOSED STRUCTURE IS CHECKED FOR IRC CLASS SPECIAL VEHICLE (SV) LOADING AS PER PROVISIONS OF IRC 6:2017.
 - MIN. GRADE OF CONCRETE
F.C.C. M-15
FOUNDATION/PIER & CAP M-35
PSC GIRDER M-50
DECK SLAB/DIAPHRAGM M-35
R.C.C. SOLID SLAB M-30
RCC APPROX. SLAB M-30
 - REINFORCEMENT STEEL SHALL BE HIS STRAND (LOW RELAXATION).
 - PRESTRESSING SHALL BE IN ACCORDANCE WITH IS 1786.
 - STRIP SEAL TYPE EXPANSION JOINT OF APPROVED QUALITY AS PER MOST SPECIFICATION TO BE PROVIDED IN DECK.
 - DRAINAGE SPOUT AND WEARING COAT SHALL BE AS PER MOST SPECIFICATIONS.
 - ELASTOMERIC BEARING SHALL CONFORM TO IRC:83.
 - THE DEPTH OF FOUNDATION SHOWN IN DRAWING IS TENTATIVE. DETAILED DESIGN SHALL BE DONE AS PER SOIL EXPLORATION REPORT.
 - SEISMIC ZONE-III SHALL BE CONSIDERED FOR DETAIL DESIGN AS PER LATEST COOL PROVISION.
 - MAXIMUM DESIGN SPEED 60 kmph CONSIDERED.
 - THE STRUCTURE SHALL BE DESIGNED AS PER LATEST IRC SPECIFICATION FOR 'MODERATE' EXPOSURE CONDITION.
 - THE STRUCTURE SHALL BE DESIGNED FOR WIND SPEED OF 44m/s.

NO.	DATE	REVISION
1	07.09.2024	CONSTRUCTION OF FLY OVER BRIDGE NEAR APMC MARKET ON SURAT-BARDOLI MAIN ROAD OF EAST (VARACHA) ZONE IN SURAT ON PPC BASIS
CLIENT: SURAT MUNICIPAL CORPORATION SURAT		
CONTRACTOR: SHREE ANGLAM BUILDCON (I) PVT. LTD., ANKLESHWAR		
CONSULTANT: SHAH ASSOCIATES 1005, 10TH FLOOR, SHARAD, B/H. NATRAJ CINEMA, OFF. ASHRAM ROAD, AMERDABAD, 380009, PHONO. NO. (079) 2558785, 38250 13114		
DRAWN BY: MOINKHAN DESIGN BY: D. J. SHAH		
CHECKED BY: D. H. SHAH PROJ. NO. DRG. NO. REVISION		
SCALE: AS SHOWN		
DATE: 07.09.2024		