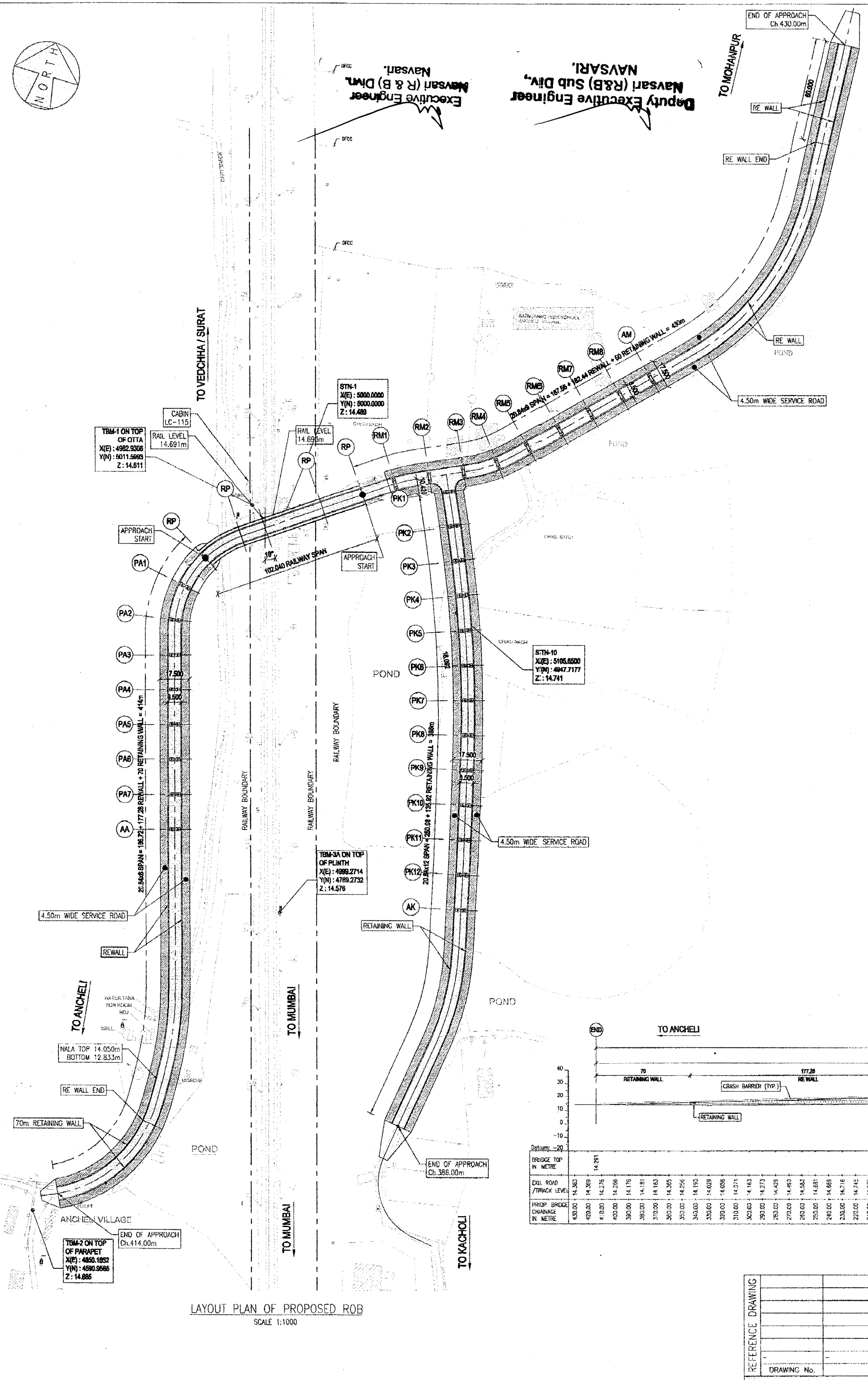


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LAYOUT PLAN OF PROPOSED ROB
SCALE 1:1000

SCHEDULE OF LEVELS											
GRID NO.	CHANGING (m)	GROUND LEVEL (m)	SPAN (m)	GRADIENT 1:1	FINISHED ROAD LEVEL (m)	PIER CAP TOP LEVEL (m)	PIER TOP LEVEL (m)	PILE CAP TOP LEVEL (m)	PILE TOP LEVEL (m)	PILE DEPTH (m)	PILE BOTTOM LEVEL (m)
END	414.000	14.291	247.280	40.000	14.291						
PA	166.720	14.894	20.840	40.000	20.473	18.033	16.833	14.194	12.444	25.000	-12.556
PA7	145.880	14.565	20.840	40.000	20.994	18.554	17.354	14.065	12.315	25.000	-12.685
PA6	125.040	14.559	20.840	40.000	21.515	19.075	17.875	14.059	12.309	25.000	-12.691
PA5	104.200	14.705	20.840	40.000	22.036	19.596	18.396	14.205	12.455	25.000	-12.545
PA4	83.360	14.617	20.840	40.000	22.557	20.117	18.917	14.117	12.367	25.000	-12.633
PA3	62.520	14.557	20.840	40.000	23.078	20.638	19.438	14.057	12.307	25.000	-12.693
PA2	41.680	14.459	20.840	40.000	23.599	21.159	19.939	13.959	12.209	25.000	-12.791
PA1	20.840	14.127	20.840	40.000	24.120	21.680	20.480	13.827	11.877	25.000	-13.123
RP1	0.000	13.427	0.000	0.000	24.641						
RP2	0.000	13.741	0.000	0.000	24.641						
RP3	0.000	14.268	0.000	0.000	24.641						
RP4	0.000	14.164	0.000	0.000	24.641						
PM1	20.840	14.233	20.840	40.000	24.120	21.680	20.480	13.733	11.983	25.000	-13.017
PM2	41.680	14.377	20.840	40.000	23.599	21.159	19.959	13.877	12.127	25.000	-12.873
PK1	62.520	11.990	20.840	0	23.599	21.159	19.959	11.490	9.740	25.000	-15.260
PK2	83.360	10.782	20.840	40.000	23.078	20.638	19.438	10.282	8.532	25.000	-16.468
PK3	104.200	12.054	20.840	40.000	22.557	20.117	18.917	11.554	9.804	25.000	-15.196
PK4	125.040	14.258	20.840	40.000	22.036	19.596	18.396	13.758	12.008	25.000	-12.992
PK5	145.880	14.091	20.840	40.000	21.515	19.075	17.875	13.591	11.841	25.000	-13.159
PK6	166.720	14.152	20.840	40.000	20.994	18.554	17.354	13.652	11.902	25.000	-13.098
PK7	187.560	14.152	20.840	40.000	20.473	18.033	16.833	13.652	11.902	25.000	-13.098
PK8	208.400	14.069	20.840	40.000	19.952	17.512	16.312	13.569	11.819	25.000	-13.181
PK9	229.240	13.938	20.840	40.000	19.431	16.991	15.791	13.438	11.686	25.000	-13.312
PK10	250.080	13.735	20.840	40.000	18.910	16.470	15.270	13.325	11.485	25.000	-13.515
PK11	270.920	13.598	20.840	40.000	18.389	15.949	14.749	13.258	11.508	25.000	-13.492
PK12	291.760	13.770	20.840	40.000	17.868	15.428	14.228	13.270	11.520	25.000	-13.480
AK	312.600	13.808	20.840	40.000	17.347	14.907	13.707	13.306	11.556	25.000	-13.444
END	448.520	13.949	135.920	40.000	13.949	11.509	10.309	13.449	11.699	25.000	-13.301

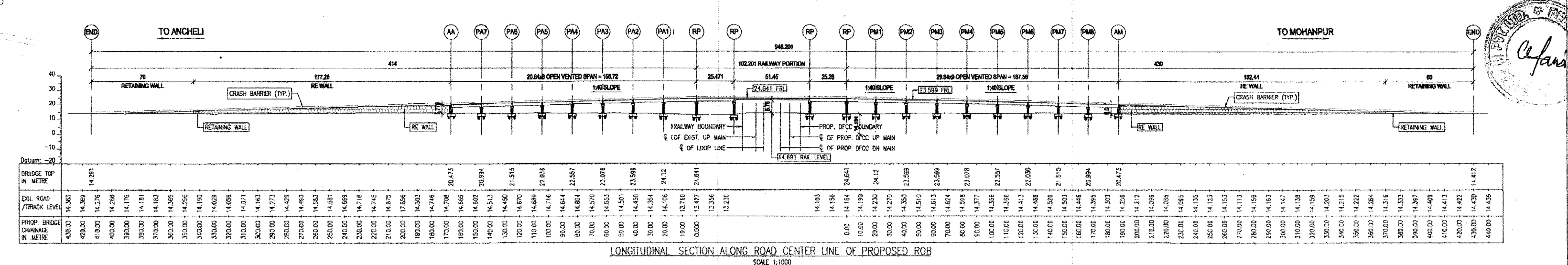
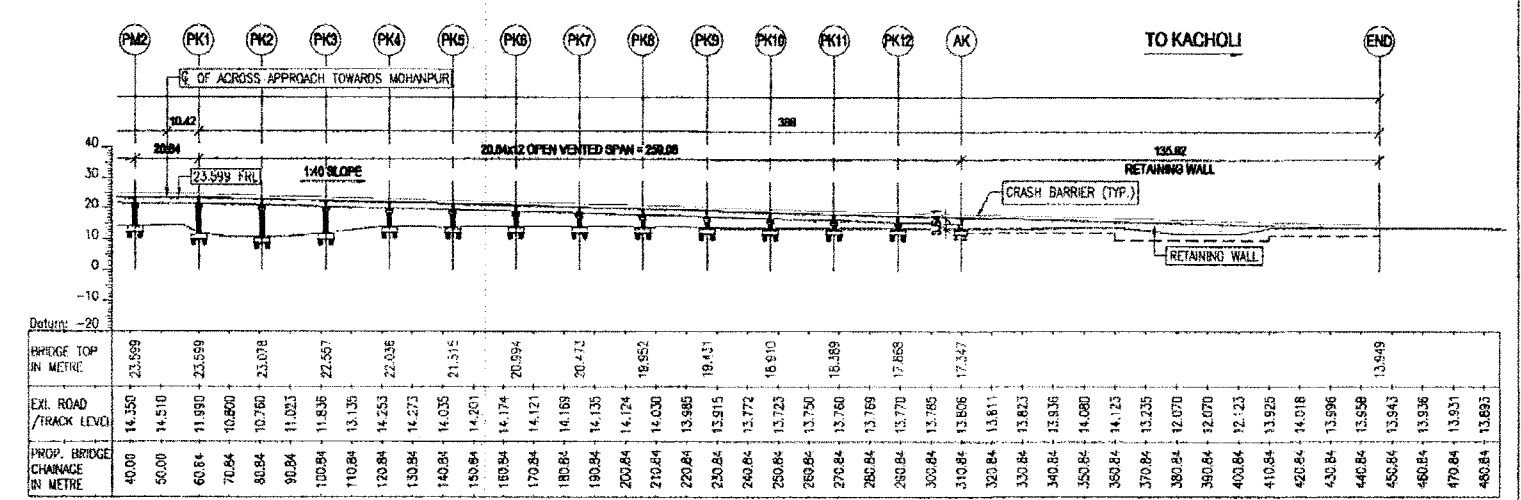
SCHEDULE OF LEVELS											
GRID NO.	CHANGING (m)	GROUND LEVEL (m)	SPAN (m)	GRADIENT 1:1	FINISHED ROAD LEVEL (m)	PIER CAP TOP LEVEL (m)	PIER TOP LEVEL (m)	PILE CAP TOP LEVEL (m)	PILE TOP LEVEL (m)	PILE DEPTH (m)	PILE BOTTOM LEVEL (m)
END	414.000	14.291	247.280	40.000	14.291						
PA	166.720	14.894	20.840	40.000	20.473	18.033	16.833	14.194	12.444	25.000	-12.556
PA7	145.880	14.565	20.840	40.000	20.994	18.554	17.354	14.065	12.315	25.000	-12.685
PA6	125.040	14.559	20.840	40.000	21.515	19.075	17.875	14.059	12.309	25.000	-12.691
PA5	104.200	14.705	20.840	40.000	22.036	19.596	18.396	14.205	12.455	25.000	-12.545
PA4	83.360	14.617	20.840	40.000	22.557	20.117	18.917	14.117	12.367	25.000	-12.633
PA3	62.520	14.557	20.840	40.000	23.078	20.638	19.438	14.057	12.307	25.000	-12.693
PA2	41.680	14.459	20.840	40.000	23.599	21.159	19.959	13.959	12.209	25.000	-12.791
PA1	20.840	14.127	20.840	40.000	24.120	21.680	20.480	13.827	11.877	25.000	-13.123
RP1	0.000	13.427	0.000	0.000	24.641						
RP2	0.000	13.741	0.000	0.000	24.641						
RP3	0.000	14.268	0.000	0.000	24.641						
RP4	0.000	14.164	0.000	0.000	24.641						
PM1	20.840	14.233	20.840	40.000	24.120	21.680	20.480	13.733	11.983	25.000	-13.017
PM2	41.680	14.377	20.840	40.000	23.599	21.159	19.959	13.877	12.127	25.000	-12.873
PK1	62.520	14.816	20.840	0	23.599	21.159	19.959	14.116	12.366	25.000	-12.634
PK2	83.360	14.574	20.840	40.000	23.078	20.638	19.438	14.024	12.274	25.000	-12.726
PK3	104.200	14.360	20.840	40.000	22.557	20.117	18.917	13.860	12.110	25.000	-12.890
PK4	125.040	14.451	20.840	40.000	22.036	19.596	18.396	13.951	12.201	25.000	-12.799
PK5	145.880	14.510	20.840	40.000	21.515	19.075	17.875	14.010	12.260	25.000	-12.740
PK6	166.720	14.412	20.840	40.000	20.994	18.554	17.354	13.912	12.162	25.000	-12.838
AV	187.560	14.267	20.840	40.000	20.473	18.033	16.833	13.767	12.017	25.000	-12.983
END	430.000	14.412	242.440	40.000	14.412	11.972	10.772	13.912	12.162	25.000	-12.838

- STRUCTURAL & OTHER DATA: (FOR APPROACHES)**
- SPAN ARRANGEMENT: 8x20.84m+RAILWAY PORTION+9x20.84m (MOHANPUR SIDE) + 12x20.84m (KACHOLI SIDE) c/c EXP. JOINT
 - SUPER STRUCTURE: RCC T-GIRDER + RC DECK SLAB
 - SUB STRUCTURE: RCC PIER, PIER CAP, ABUTMENT, ABUTMENT CAP, DIRT WALL, RETURN WALL, RETAINING WALL, RE WALL
 - FOUNDATION: 1.20m DIA. PILE FOUNDATION
 - BEARINGS: ELASTOMERIC BEARING
 - WEARING COAT: 65mm THK. ASPHALTIC (40+25) WEARING COAT
 - EXPANSION JOINT: STRIP SEAL EXPANSION TYPE
 - DRAINAGE SPOUTS: AT 5.0m c/c
 - CRASH BARRIER: AS PER IRC-5

- COVERS:**
- PILE & PILE CAP : 75mm
 - PIER, PIER CAP, ABUTMENT, ABUTMENT CAP, DIRT WALL, RETURN WALL, RETAINING WALL : 50mm
 - RCC T-GIRDER, CROSS GIRDER, END DIAPHRAGM, CRASH BARRIER, SEISMIC ARRESTER, PEDESTAL, FRICTION SLAB, DIRT WALL : 40mm

- NOTES:**
- ALL DIMENSIONS ARE IN MILLIMETER AND LEVELS ARE IN METER UNLESS OTHERWISE MENTIONED.
 - DIMENSIONS SHALL NOT BE SCALED OFF FROM THE DRAWING.
 - THE CONCRETE DIMENSIONS SHOWN IN THIS DRAWING ARE BASED ON PRELIMINARY DESIGN AND MAY MODIFY DURING FINAL DESIGN.
 - ALL DRAINAGE SPOUT BOTTOMS SHALL BE TAKEN AT LEAST 300mm BELOW SOFFIT OF DECK & SHALL BE PROPERLY SUPPORTED AS DIRECTED BY THE ENGINEER-IN-CHARGE.

- CONCRETE GRADE: (FOR APPROACHES)**
- PILE, PILE CAP, RETURN WALL : M35
 - PIER, PIER CAP, ABUTMENT, ABUTMENT CAP, DIRT WALL : M35
 - RCC T-GIRDER, CROSS GIRDER & END DIAPHRAGM : M35
 - CRASH BARRIER, FRICTION SLAB : M40
 - PEDESTALS & SEISMIC ARRESTER : M40
 - DECK SLAB, RE WALL, FACIA PANELS : M25
 - RETAINING WALL, ABUTMENT SLAB : M30
 - PCC LEVELING COURSE : M15
 - REINFORCEMENT GRADE : Fe500 D



REFERENCE DRAWING		REVISIONS		APPROVAL	
DRAWING No.	DRAWING TITLE	REV	DATE	NAME	DATE
A	ISSUED FOR APPROVAL				
FILENAME: 9130-BR2-GAD-101-RA GENERAL ARRANGEMENT OF BRIDGE 2017-03-27		DESCRIPTION		FOR APPROVAL	

DESIGNER: [Signature] DATE: 19/06/16
 CHECKED: [Signature] DATE: 19/06/16
 APPROVED: [Signature] DATE: 19/06/16

CLIENT: ROAD & BUILDING DIVISION, NAVSARI
 PROJECT: PROPOSED ROB IN LIEU OF LC NO. BETWEEN 114 & 115 AT KM 225/14-16 & 226/18-20 BETWEEN STATIONS MALSA TO ANCHELI
 TITLE: GENERAL ARRANGEMENT OF BRIDGE
 SHEET: 1 OF 2
 SCALE: AS SHOWN
 Dwg No: 9130-BR2-GAD-101
 Size: A0