

LIST OF STRUCTURAL DRAWINGS

	STRUCTURAL DRAWING			
SL. No.	DRAWING TITLE	DETAILS OF DRAWING	Rev No.	NO OF SHEETS
1	GENERAL ARRANGEMENT DRAWINGS OF MINOR BRIDGE AT Km. Ch. 67+510.00	VSPL/1718-081/DPR/PKG-2/MNB-11_Sht-1	R0	01
2	GENERAL ARRANGEMENT DRAWINGS OF MINOR BRIDGE AT Km. Ch. 67+510.00	VSPL/1718-081/DPR/PKG-2/MNB-11_Sht-2	R0	01
3	GENERAL ARRANGEMENT DRAWINGS OF MINOR BRIDGE AT Km. Ch. 69+205.00	VSPL/1718-081/DPR/PKG-2/MNB-12_Sht-1	R0	01
4	GENERAL ARRANGEMENT DRAWINGS OF MINOR BRIDGE AT Km. Ch. 69+205.00	VSPL/1718-081/DPR/PKG-2/MNB-12_Sht-2	R0	01
5	GENERAL ARRANGEMENT DRAWINGS OF MINOR BRIDGE AT Km. Ch. 72+951.00	VSPL/1718-081/DPR/PKG-2/MNB-13_Sht-1	R0	01
6	GENERAL ARRANGEMENT DRAWINGS OF MINOR BRIDGE AT Km. Ch. 72+951.00	VSPL/1718-081/DPR/PKG-2/MNB-13_Sht-2	R0	01
7	TYPICAL GENERAL ARRANGEMENT DRAWING OF SINGLE CELL PIPE CULVERT	VSPL/1718-081/DPR/PKG-2/PC_Sht-1	R0	01
8	SCHEDULE OF PIPE CULVERTS	VSPL/1718-081/DPR/PKG-2/PC_Sht-1	R0	01

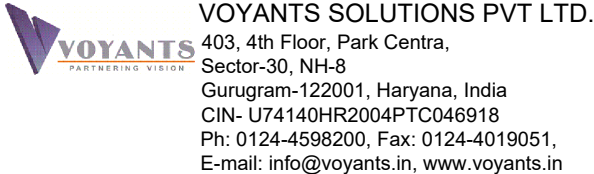
CLIENT :



PROJECT :

CONSULTANCY SERVICES FOR PREPARATION OF DETAILED PROJECT REPORT FOR DEVELOPMENT OF ECONOMIC CORRIDORS, INTER CORRIDORS AND FEEDER ROUTES TO IMPROVE THE EFFICIENCY OF FREIGHT MOVEMENTS IN INDIA UNDER BHARATMALA PARIYOJANA (LOT-1:PACKAGE II)

DESIGN CONSULTANT:



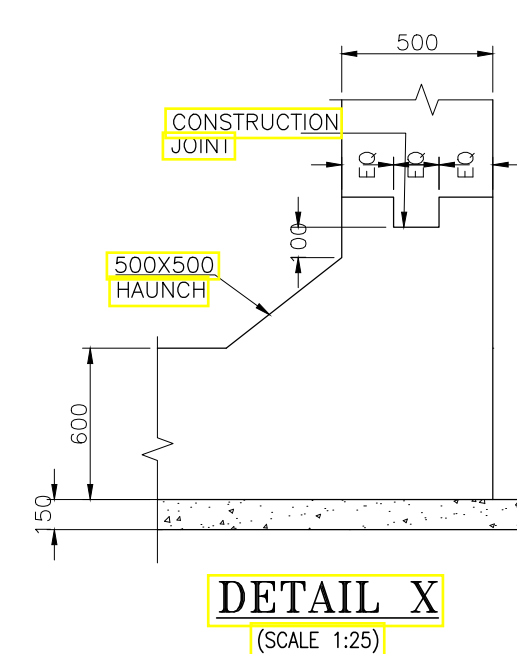
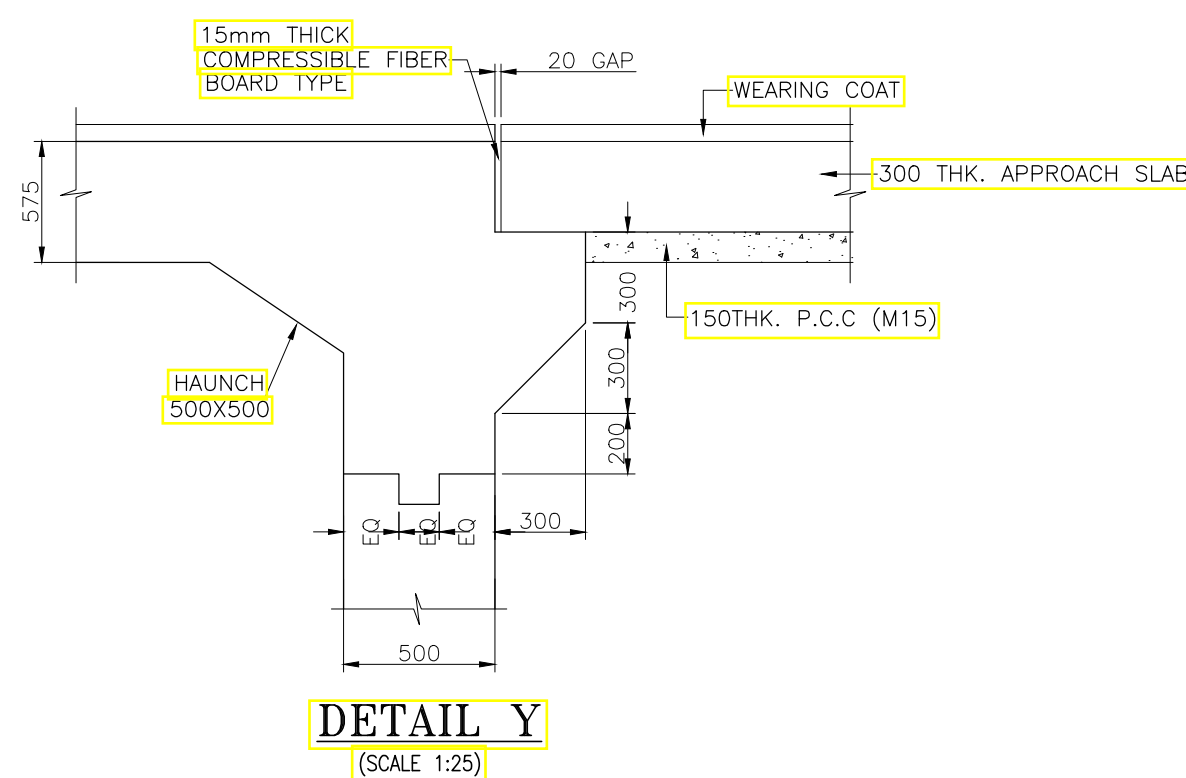
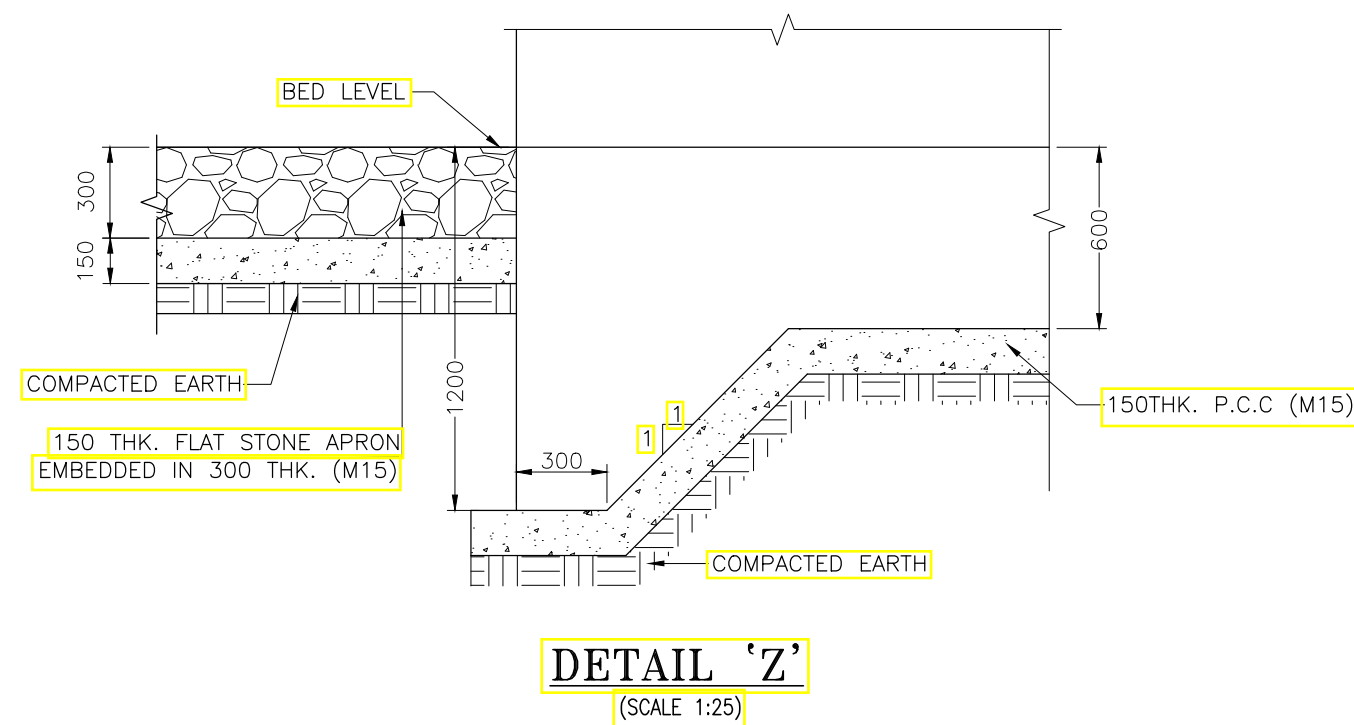
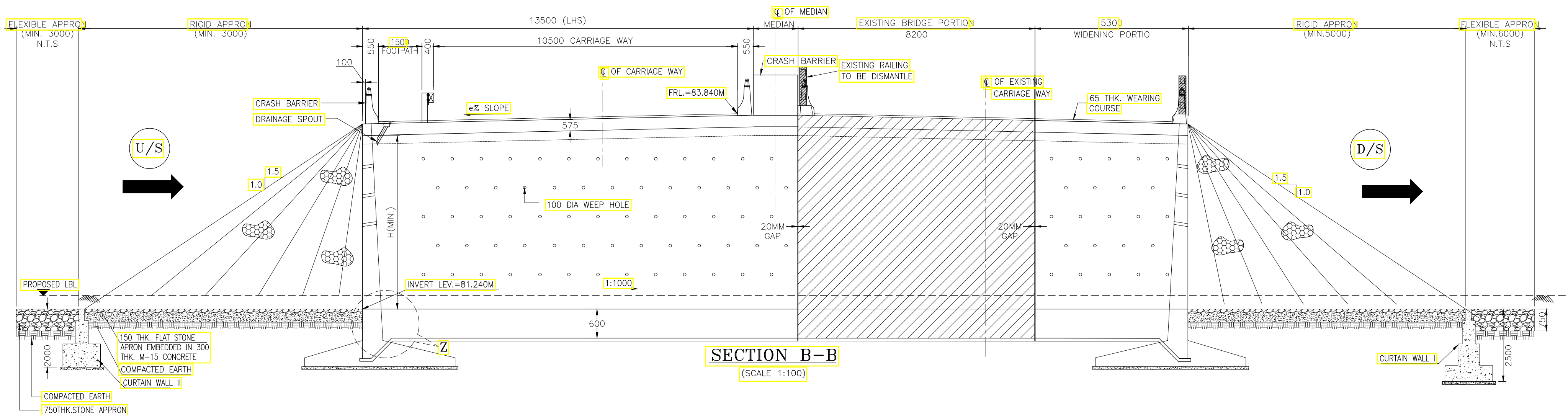
Detaild Project Report

REV.	DATE	DESCRIPTION

DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY
SCALE : AS SHOWN		SHEET SIZE	A2

TITLE :
TABLE OF CONTENTS

DRG. No. :	
REVISION: R0	April, 2020



NOTES :-

1. ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN M UNLESS MENTIONED OTHERWISE.
2. DIMENSIONS ARE NOT TO BE SCALED, ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
3. FOR KEY PLAN, PROPOSED CHAINAGE & LOCATION REFER RELEVANT HIGHWAY DRAWING.

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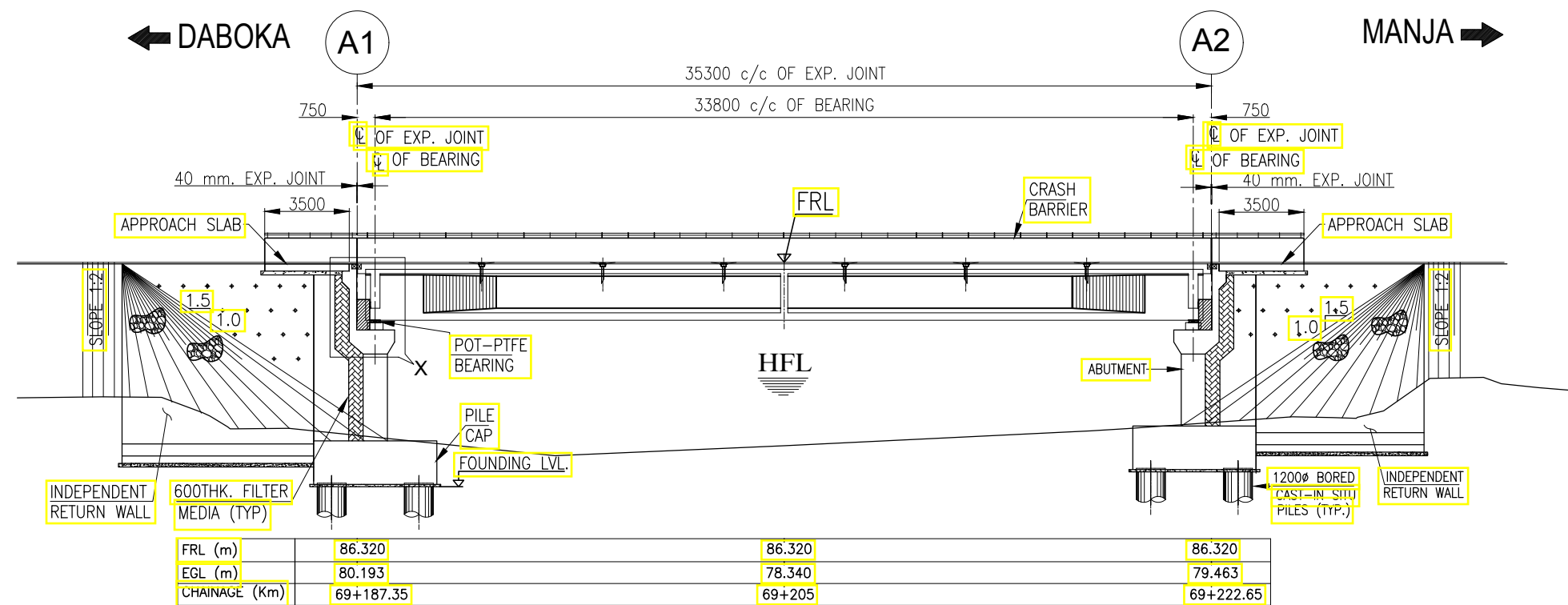
DESIGN CONSULTANT:

VOYANTS SOLUTIONS PVT LTD.
403, 4th Floor, Park Centra,
Sector-30, NH-8
Gurgaon-122001, Haryana, India
CIN- U74140HR2004PTC046918
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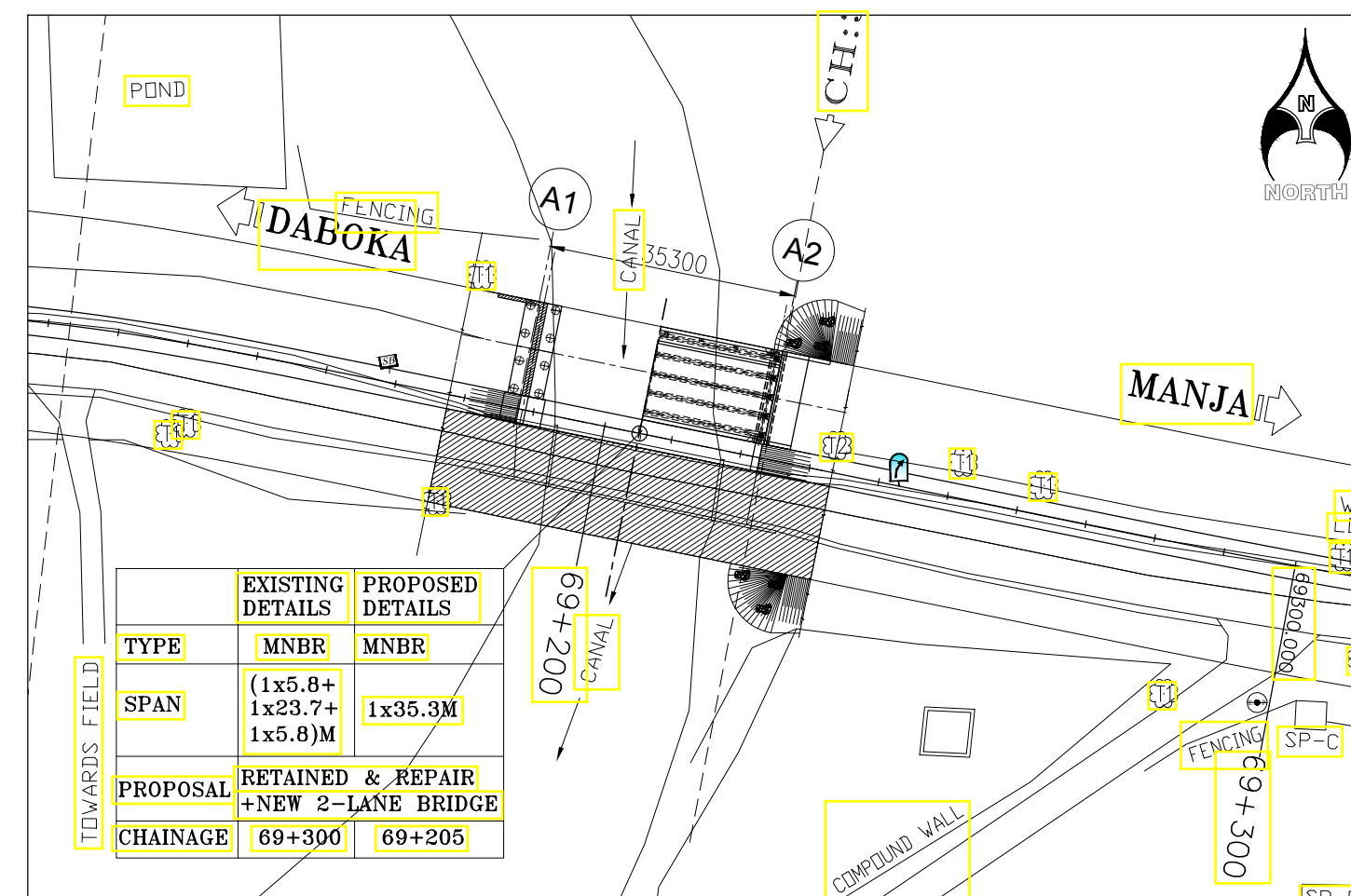
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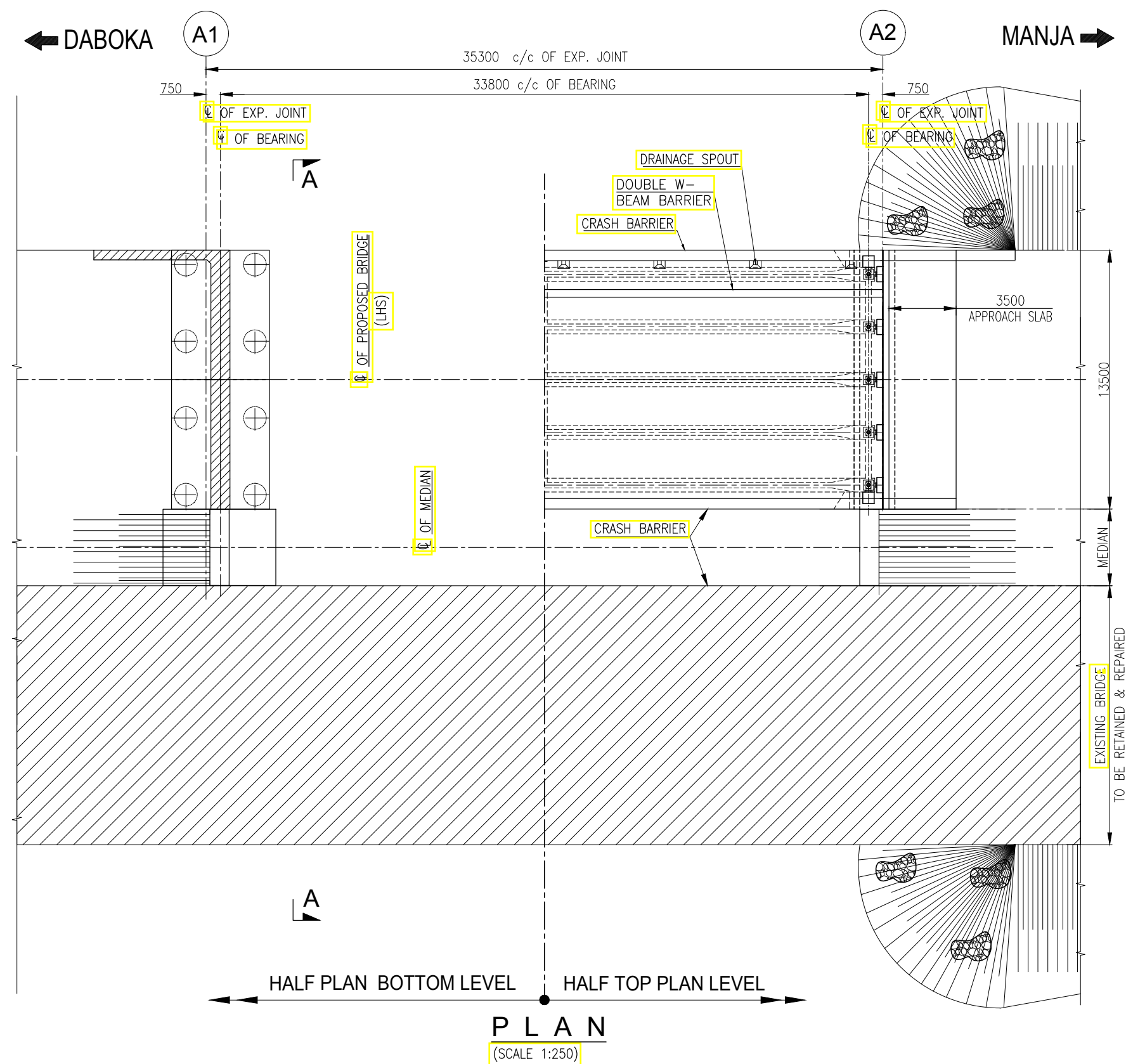
DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	TITLE :
DSR	A.P	SG	SKC	GENERAL ARRANGEMENT DRAWING OF BOX TYPE MINOR BRIDGE AT KM. CH.-67+510
SCALE :	AS SHOWN	SHEET SIZE	A2	DRG. No. : VSPL/1718-081/DPR/PKG-2/MNB-11 (Sht. 2 of 2)
				REVISION:R0 FEBRUARY 2020



SECTIONAL ELEVATION
(SCALE 1:250)



KEY PLAN
(SCALE-1:1000)



NOTES:

- ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS ARE IN METRES, UNLESS OTHERWISE SPECIFIED.
- DIMENSIONS ARE NOT TO BE SCALED. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
- FOR KEY PLAN, PROPOSED CHAINAGE & LOCATION REFER RELEVANT HIGHWAY DRAWING.
- VARIOUS LEVELS (FRL,EGL) & SUPER ELEVATIONS SHOWN IN DRAWINGS SHALL BE VERIFIED WITH THE HIGHWAY PLAN & PROFILE PRIOR TO ACTUAL EXECUTION IN SITE.
- GRADE OF CONCRETE :-

• PSC I-GIRDER	M45
• RCC DECK SLAB	M45
• RCC CRASH BARRIER	M40
• ABUTMENT, ABUTMENT CAP	M35
• APPROACH SLAB	M30
• PCC LEVELING COURSE	M15
• PILE, PILE CAP	M35
- LAYING, COMPACTION & EXTENT OF BACKFILL BEHIND ABUTMENT & RETAINING WALLS SHALL CONSIST OF SELECTED EARTH CONFIRMING TO THE APPENDIX-6 OF IRC:78-2014 HAVING PROPERTIES C=0, $\phi \geq 30^\circ$ & DENSITY=20KN/m³.
- COMPRESSIBLE FILLER BOARD SHALL BE PROVIDED IN ALL EXPANSION GAPS AND SEALED WITH POLY-SULPHIDE SEALANT.
- POT PTFE BEARING SHALL BE USED.
- EXPANSION JOINTS SHALL BE OF STRIP SEAL TYPE AS PER SPECIFICATION.
- ALL REINFORCEMENT STEEL SHALL BE HIGH STRENGTH DEFORMED BARS OF GRADE Fe500 CONFORMING TO IS: 1786-1985
- THE STRUCTURE IS DESIGNED TO CATER LIVE LOAD COMBINATION OF 3-LANES OF CLASS A OR 1-LANE OF 70R WHILE + 1 LANE A OR IRC SV WHICHEVER PRODUCE SEVER EFFECT.

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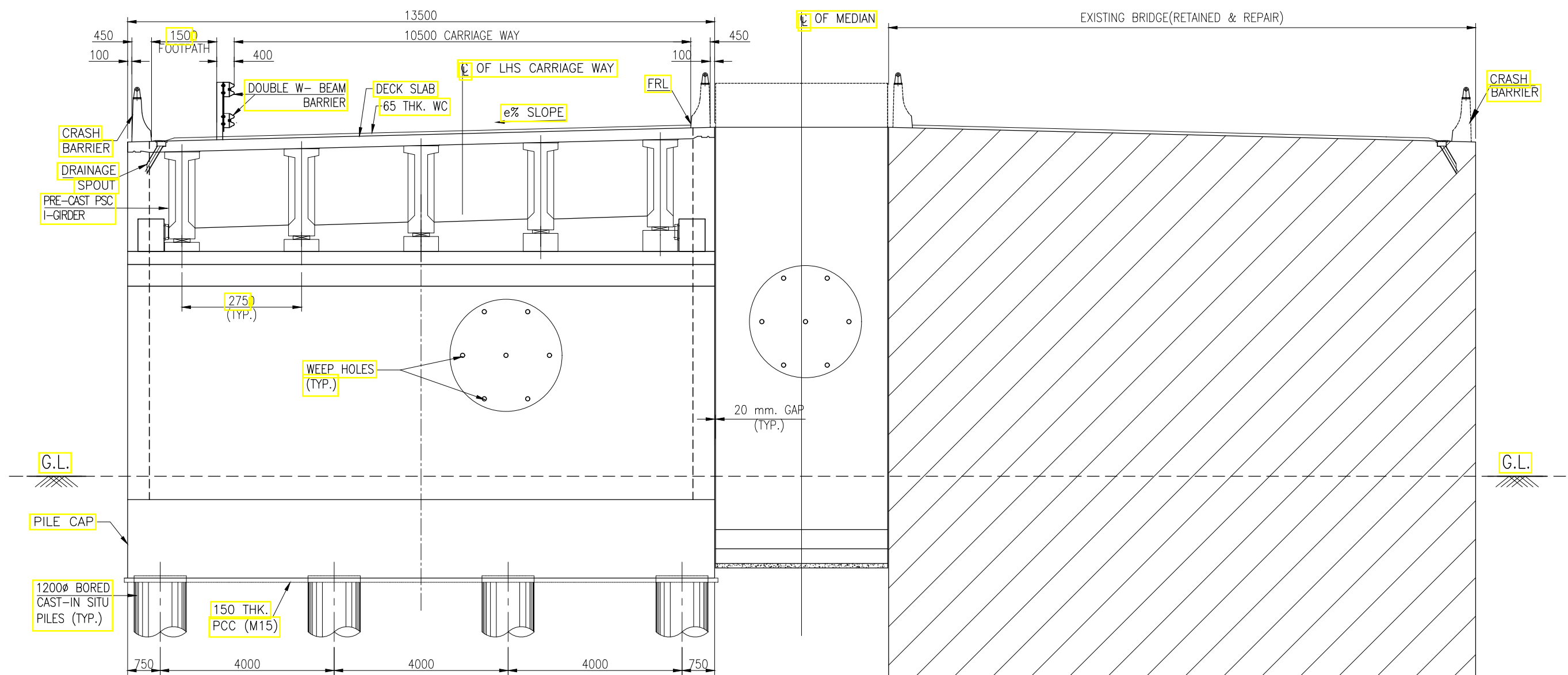
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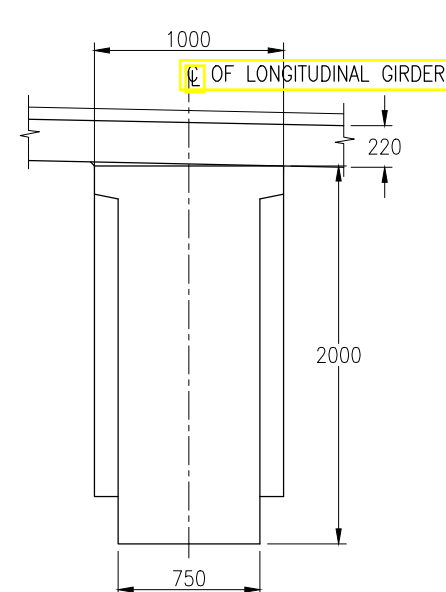
Detailed Project Report

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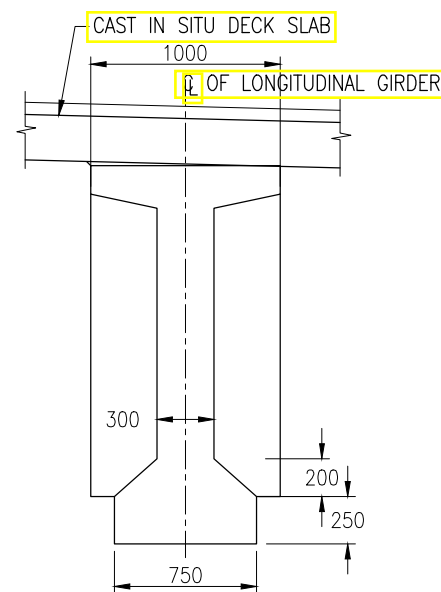
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SCALE :	AS SHOWN	SHEET SIZE	A2	DRG. No. : VSPL/1718-081/DPR/PKG-2/MNB-12 (Sht. 1 of 2)
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				FEBRUARY 2020



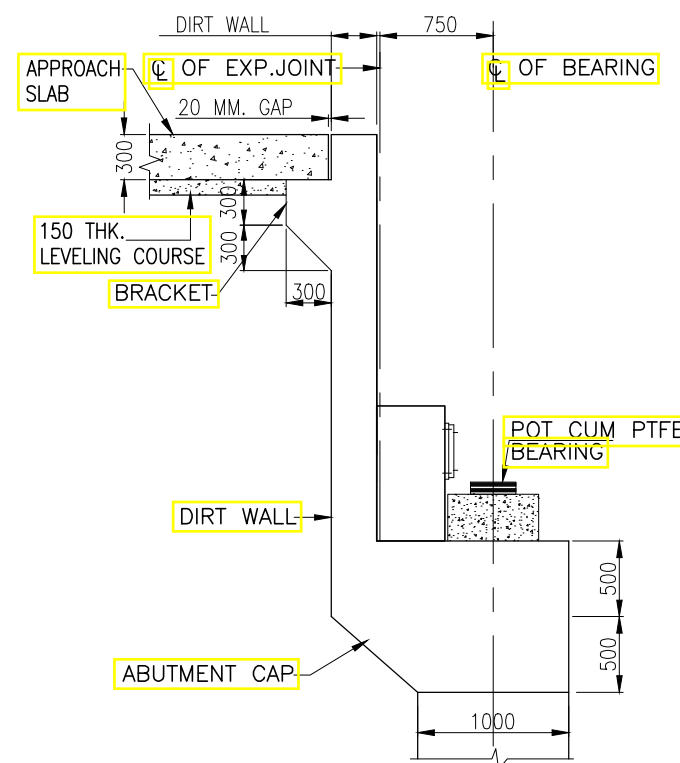
SECTION A - A
(SCALE 1:100)



PSC GIRDER AT
SUPPORT SECTION
(SCALE 1:40)



PSC GIRDER AT
MID SECTION
(SCALE 1:40)



DETAILS OF - X
(SCALE 1:50)

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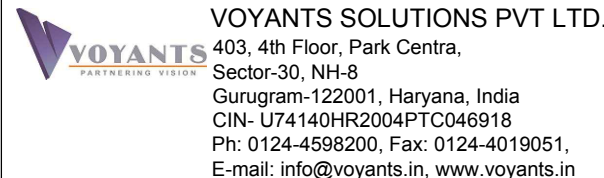


NATIONAL HIGHWAYS AND INFRASTRUCTURE
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ROUTES TO IMPROVE THE EFFICIENCY OF FREIGHT
MOVEMENTS IN INDIA UNDER BHARATMALA PARIYOJANA
(LOT-1:PACKAGE II)

DESIGN CONSULTANT:

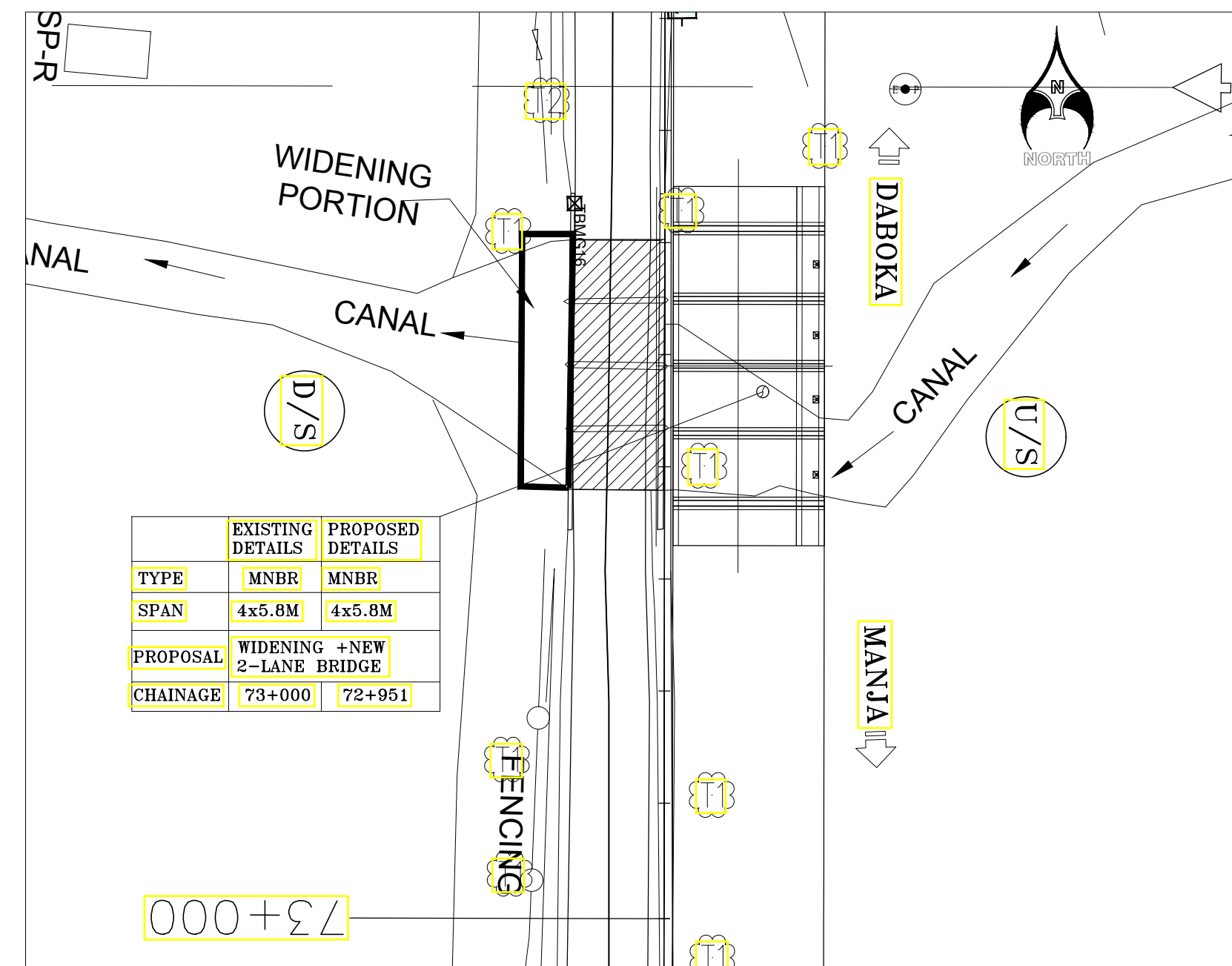
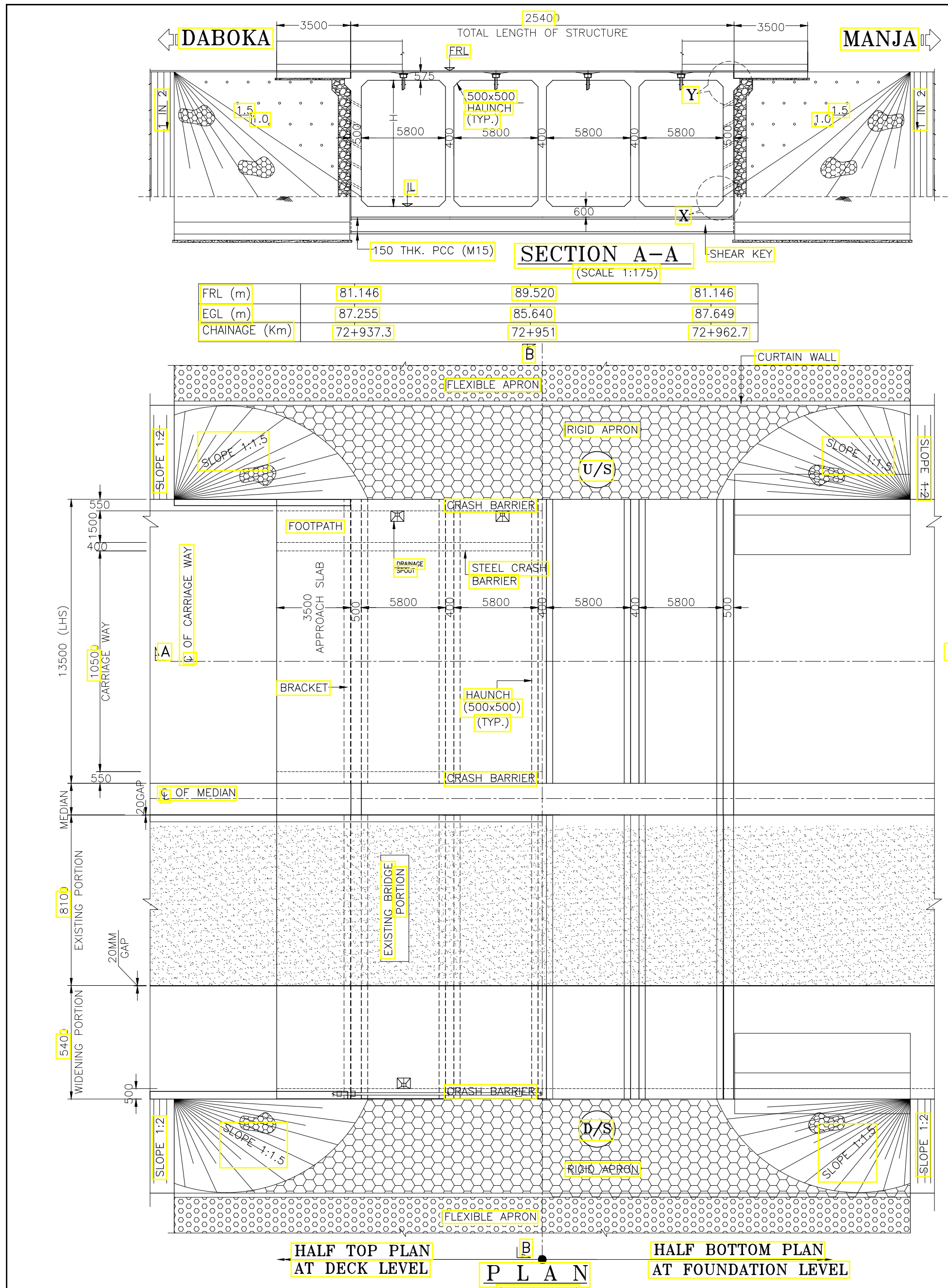


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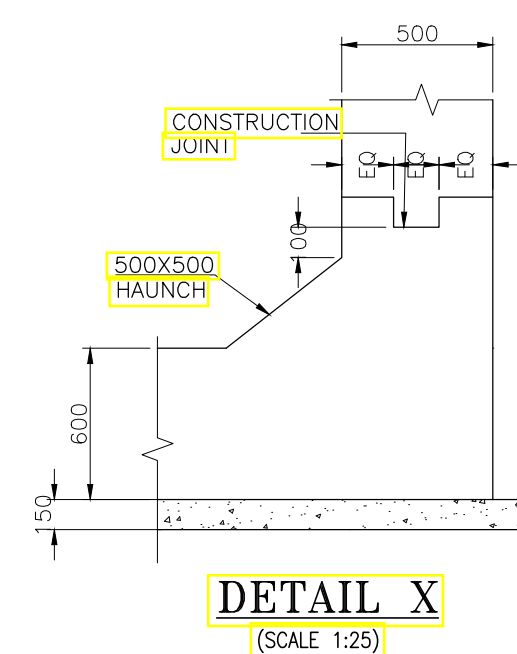
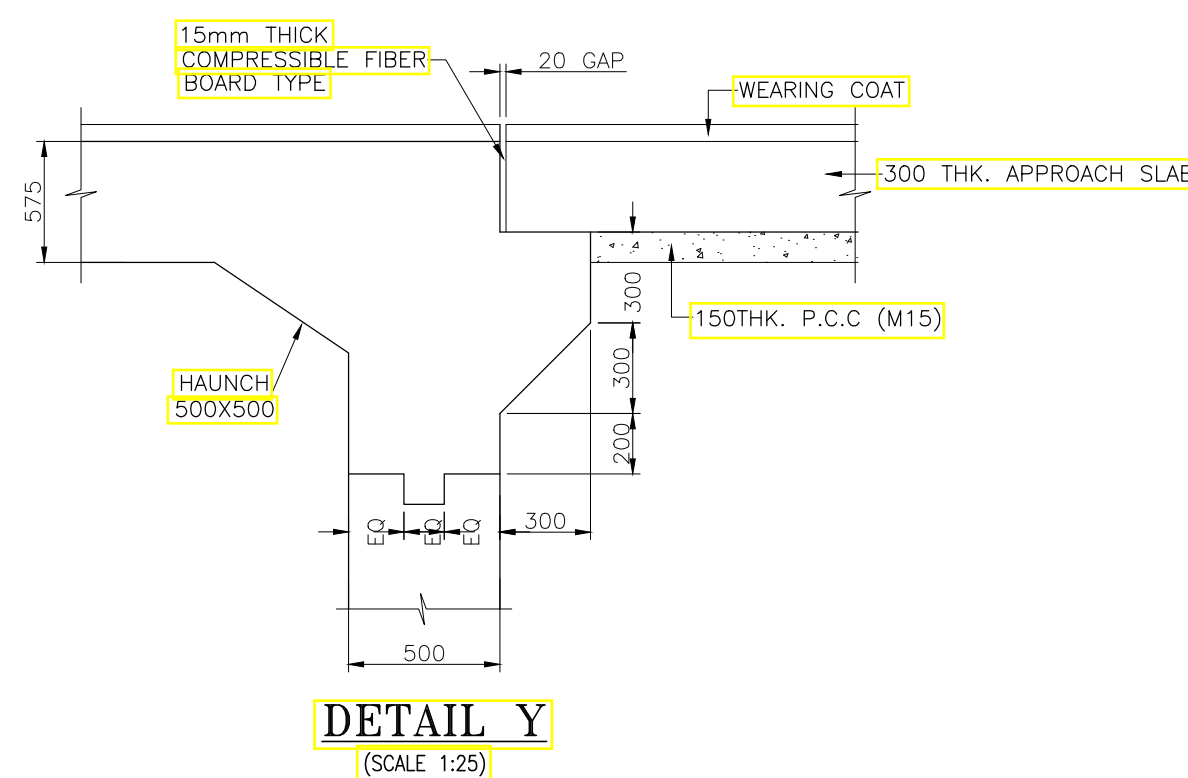
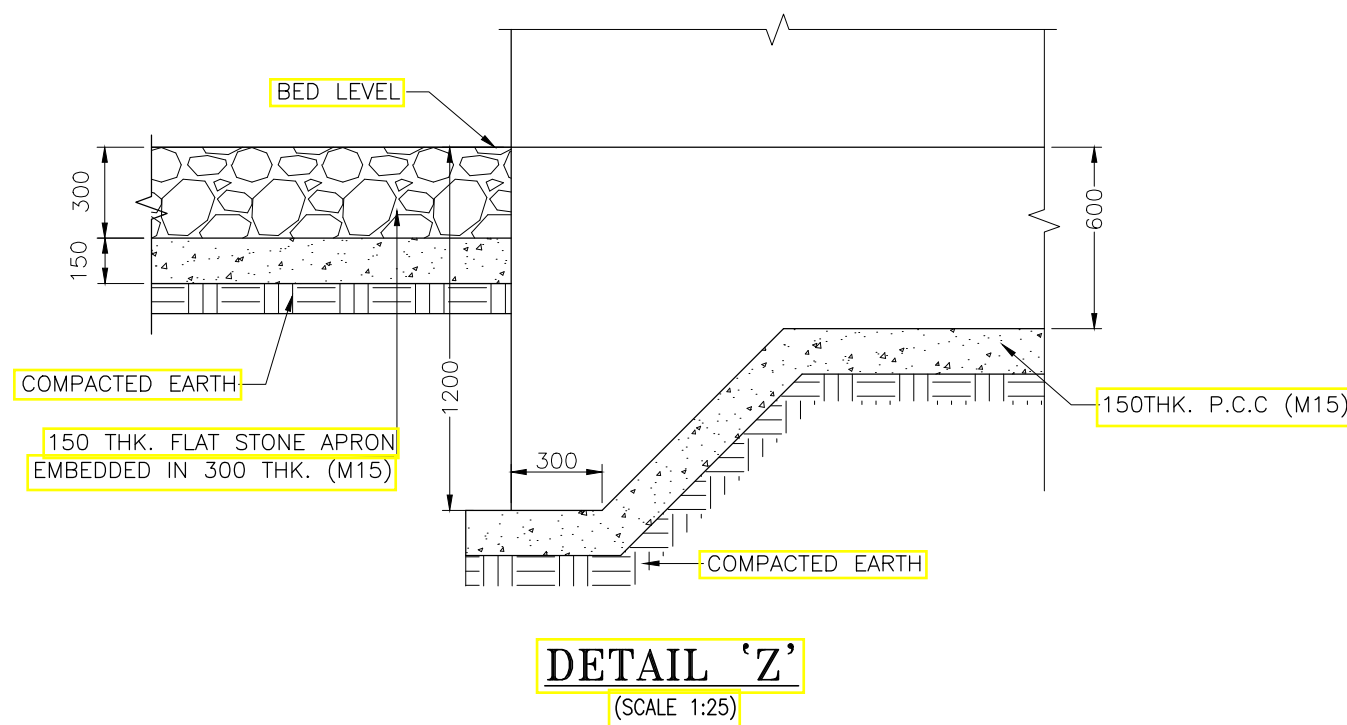
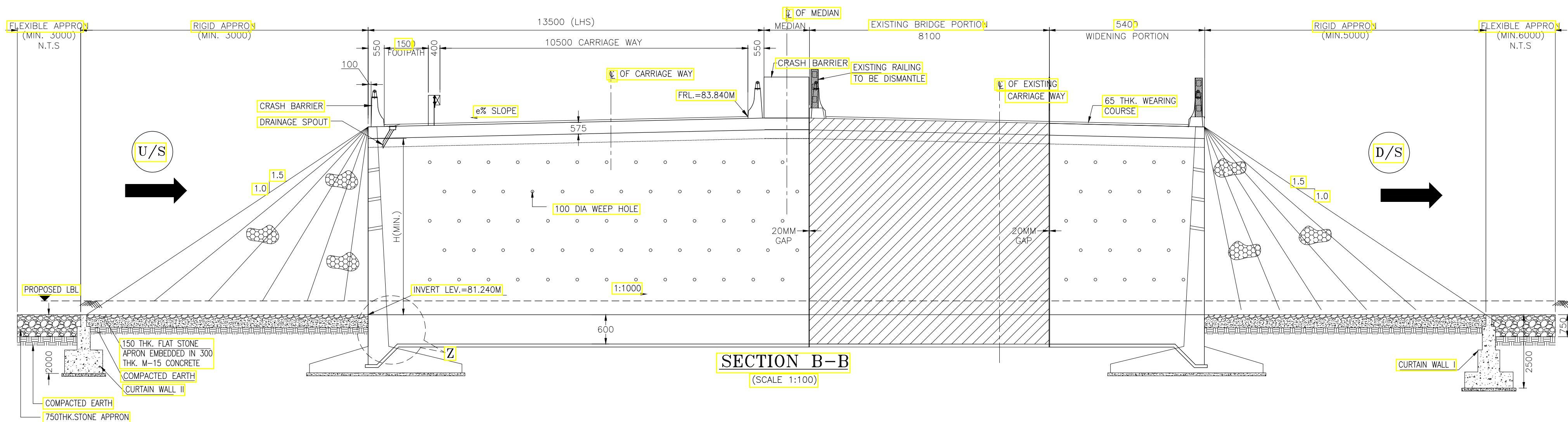
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REVISION:R0	FEBRUARY 2020			



- NOTES :-**
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 - DIMENSIONS ARE NOT TO BE SCALED, ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
 - FOR KEY PLAN, PROPOSED CHAINAGE & LOCATION REFER RELEVANT HIGHWAY DRAWING.
 - GRADE OF CONCRETE USED:
a) RCC BOX, RETURN,M35
b) CRASH BARRIER.....M40
c) APPROACH SLAB.....M30
d) LEVELING COURSE.....M15
 - ALL REINFORCEMENT STEEL SHALL BE HIGH STRENGTH DEFORMED BARS OF GRADE Fe500 CONFORMING TO IS: 1786-1985
 - THE STRUCTURE IS DESIGNED TO CATER LIVE LOAD COMBINATION OF 3-LANES OF CLASS A OR 1-LANE OF 70R WHILE + 1 LANE A OR IRC SV WHICHEVER PRODUCE SEVER EFFECT.
 - VARIOUS LEVELS (FRL,EGL) & SUPER ELEVATIONS SHOWN IN DRAWINGS SHALL BE VERIFIED WITH THE HIGHWAY PLAN & PROFILE PRIOR TO ACTUAL EXECUTION IN SITE.
 - LAYING, COMPACTION & EXTENT OF BACKFILL BEHIND ABUTMENT & RETAINING WALLS SHALL CONSIST OF SELECTED EARTH CONFIRMING TO THE APPENDIX-6 OF IRC:78-2014 HAVING PROPERTIES C=0, $\phi \geq 30^\circ$ & DENSITY=20KN/m³
 - WEEP HOLES ON THE ABUTMENT & RETAINING WALLS SHALL BE SPACED 1000 c/c HORIZANTALLY & VERTICALLY IN STAGGERED MANNER FROM 500MM ABOVE LWL TO HFL.
 - SOFT AND LOOSE PATCHES IN THE BEARING AREA ARE TO BE REPLACED BY COMPACTED GRANULAR FILLS WITH LAYERS NOT EXCEEDING 300MM.
 - COMPRESSIBLE FILLER BOARD SHALL BE PROVIDED IN ALL EXPANSION GAPS AND SEALED WITH POLY-SULPHIDE SEALANT.

CLIENT :  NATIONAL HIGHWAYS AND INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. (MINISTRY OF ROAD TRANSPORT AND HIGHWAYS) GOVERNMENT OF INDIA	PROJECT : CONSULTANCY SERVICES FOR PREPARATION OF DETAILED PROJECT REPORT FOR DEVELOPMENT OF ECONOMIC CORRIDORS, INTER CORRIDORS AND FEEDER ROUTES TO IMPROVE THE EFFICIENCY OF FREIGHT MOVEMENTS IN INDIA UNDER BHARATMALA PARIYOJANA (LOT-1:PACKAGE II)	DESIGN CONSULTANT:  VOYANTS SOLUTIONS PVT LTD. 403, 4th Floor, Park Centra, Sector-30, NH-8 Gurugram-122001, Haryana, India CIN- U74140HR2004PTC046918 Ph: 0124-4598200, Fax: 0124-4019051, E-mail: info@voyants.in, www.voyants.in	Detailed Project Report		DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	TITLE : GENERAL ARRANGEMENT DRAWING OF BOX TYPE MINOR BRIDGE AT KM. CH.-72+951				
							DSR	A.P	SG	SKC			
							SCALE :		AS SHOWN	SHEET SIZE	A2	DRG. No. : VSPL/1718-081/DPR/PKG-2/MNB-13 (Sht. 1 of 2)	
			REV.	DATE	DESCRIPTION							REVISION:R0	FEBRUARY 2020



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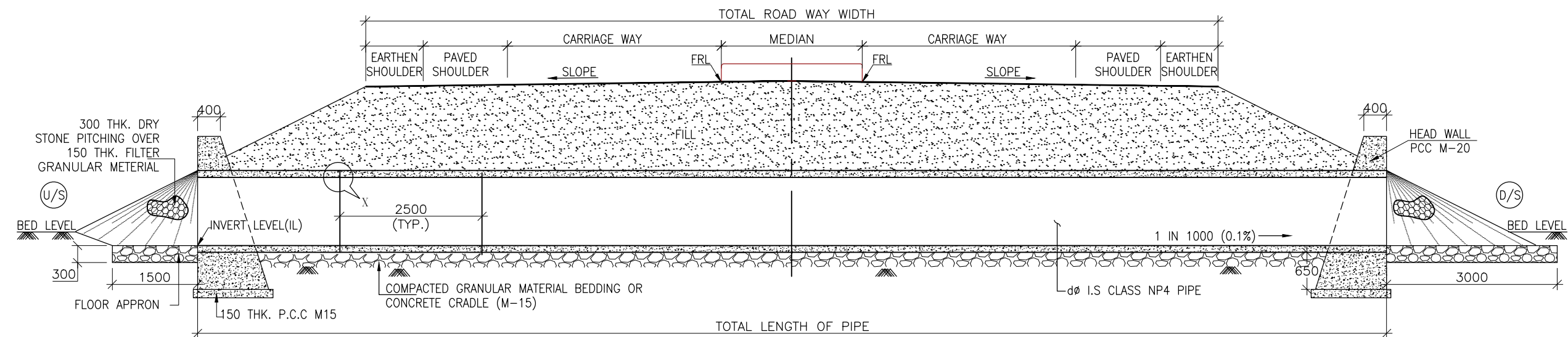


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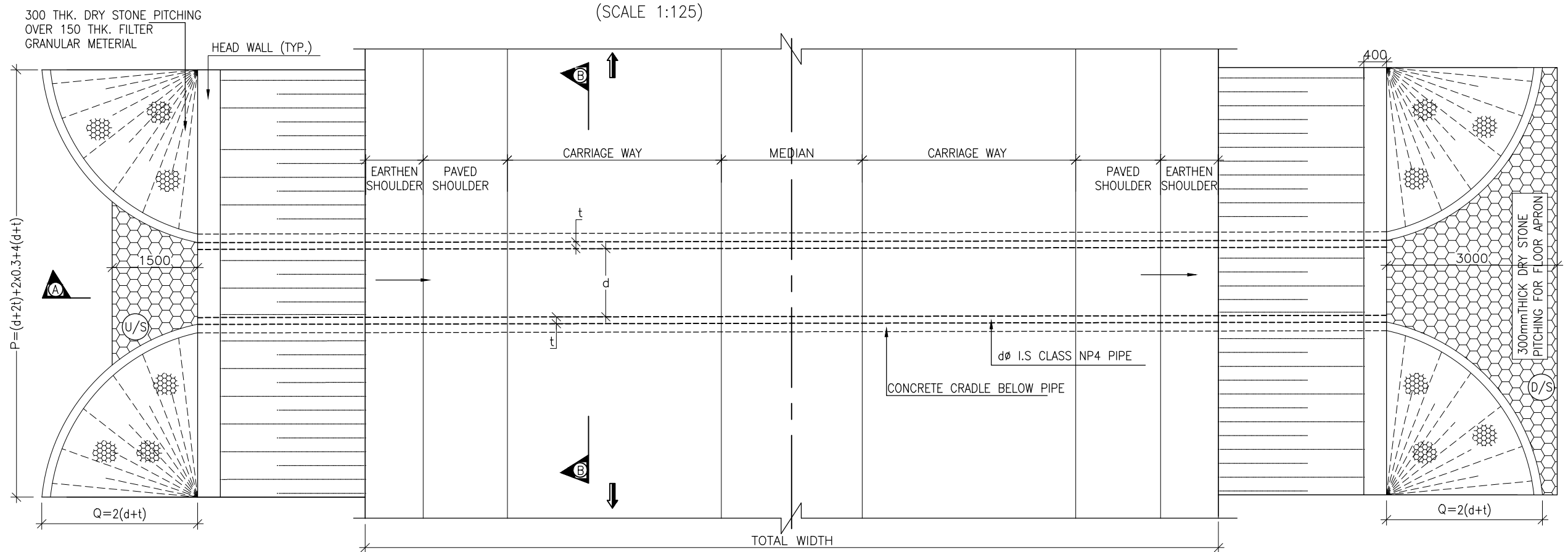
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DSR	A.P	SG	SKC	GENERAL ARRANGEMENT DRAWING OF BOX TYPE MINOR BRIDGE AT KM. CH.-72+951
SCALE :	AS SHOWN	SHEET SIZE	A2	DRG. No. : VSPL/1718-081/DPR/PKG-2/MNB-13 (Sht. 2 of 2)
				REVISION:R0
				FEBRUARY 2020

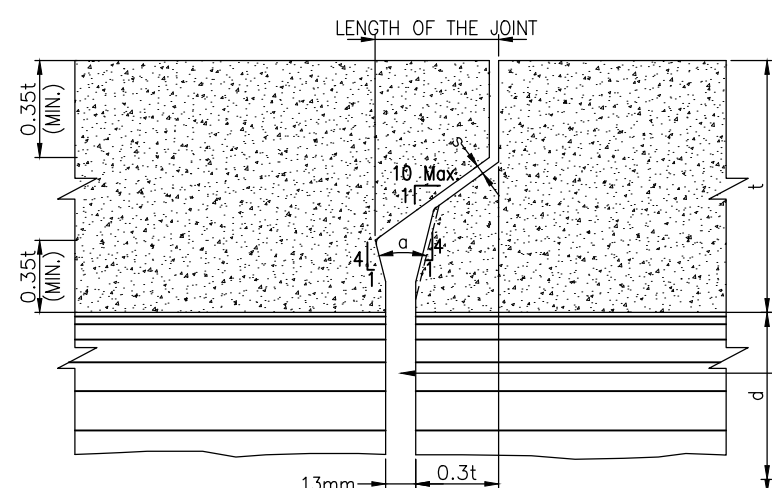


SECTION AT A-A
(SCALE 1:125)



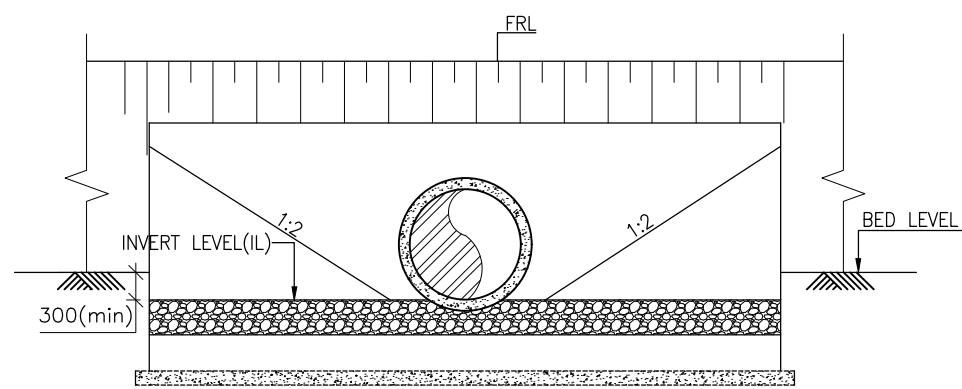
WHERE d=INTERNAL DIAMETER OF PIPE
t=THICKNESS OF PIPE

P L A N
(SCALE 1:125)

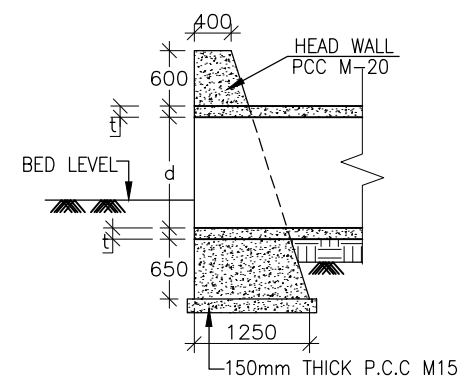


DETAIL - X
SHOWING DETAILS OF TYP. PIPE JOINT
SCALE (1:75)

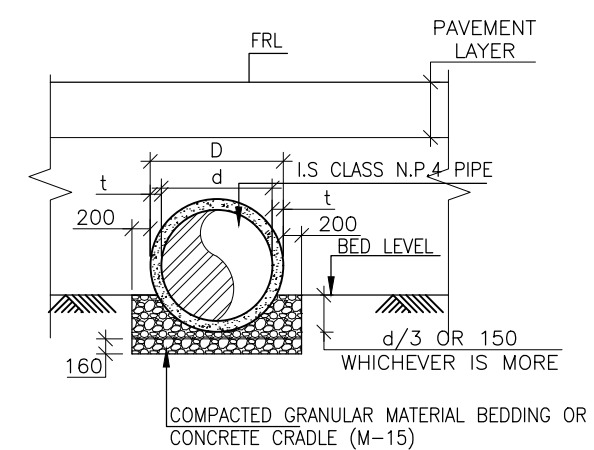
t - WALL THICKNESS.
s - 0.002 OF INTERNAL DIA. OR 2 mm. Min.
d - INTERNAL DIAMETER.
α - INCLUDED ANGLE NOT MORE THAN 25°
n - NUMBER OF PIPE
α - INCLUDED ANGLE NOT MORE THAN 25°



SECTION AT C-C
SCALE (1:75)



**SECTION OF HEADWALL
(OVER PIPE)**
SCALE (1:75)



SECTION AT B-B
SCALE (1:75)

NOTES:-

- ALL DIMENSIONS ARE IN mm, EXCEPT WHERE OTHERWISE MENTIONED.
- NO DIMENSION SHALL BE SCALED, ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH RELEVANT HIGHWAY DRAWINGS. FRL & CAMBER / SUPER ELEVATION AT PARTICULAR LOCATION SHALL BE VERIFIED WITH THE HIGHWAY DWG. DISCREPANCY, IF ANY, IS TO BE IMMEDIATELY BROUGHT TO THE NOTICE OF ENGINEER FOR NECESSARY MODIFICATION IN THE DRAWING.
- HUME PIPE (NP4 TYPE), SHALL CONFORM TO IS : 458-2003.
- COMPACTED GRANULAR BED SHALL CONFORM TO MORT&H SPECIFICATION CLAUSE NO.2904.
- LONGITUDINAL SLOPE OF WIDENED PIPE SHALL BE 1 : 1000 (MIN.)
- LENGTH, LOCATION, ORIENTATION & INVERT LEVEL OF PIPE CULVERT SHALL BE ADJUSTED TO SUIT SITE CONDITION AND AS APPROVED BY THE ENGINEER.
- TRENCHES SHALL BE BACKFILLED IMMEDIATELY AFTER THE PIPES HAVE BEEN LAID AND THE JOINTING MATERIAL HAS HARDENED.
- PIPE SHALL BE JOINED BY FLUSH JOINT METHOD AS PER THE DETAILS GIVEN IN SECTION 2906 OF MORT&H SPECIFICATIONS OF ROAD & BRIDGE WORKS.
- FLOOR APRON SHALL BE PROVIDED AT NON-IRRIGATION CROSS DRAINAGE WORKS ONLY.

CLIENT :



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Detailed Project Report

REV.	DATE	DESCRIPTION

DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	TITLE :
DSR	SJC	SB	SKC	TYPICAL GENERAL ARRANGEMENT DRAWING OF SINGLE CELL PIPE CULVERT
SCALE : AS SHOWN				DRG. No. : (SHEET 01 OF 01) VSPL/1718-081/DPR/PKG-2/PC
SHEET SIZE A2				REVISION:R0 APRIL 2020

Improvement Proposal of Culverts Pkg-2 (From 38+370 To 76+822)																
Existing Details							Proposal Details									
Sl. No.	Existing Chainage (km)	Type of Culvert	Span Arrangement/Dia. (m)	Total Width of Structure (m)	Total Roadway Width (m)	Remarks	Improvement Proposal	Sl. No.	Design Chainage (km)	Span Arrangement (m)	Type of Culvert	FRL (m)	Proposed Pipe top Level (m)	Invert Level (m)	Proposed width (as per TCS)	Phase Details
1	27+596	Pipe Culvert	1x1.2	11.867	11.098	Ext. Retain	New 2Lane	73	66+120	1x1.2	Pipe Culvert	82.725	80.951	79.631	2	Phase-3 km.65+923 to km.80+930 Length-15.0km
2	27+969	Pipe Culvert	1x1.2	12.046	11.347	Ext. Retain	New 2Lane	74	66+492	1x1.2	Pipe Culvert	82.684	80.766	79.446	2	
3	28+150	Pipe Culvert	2x0.9	15.687	11.624	Ext. Retain	New 2Lane	75	66+663	2x0.9	Pipe Culvert	82.482	80.895	79.885	2	
4	28+490	Pipe Culvert	2x1.2	17.535	10.856	Ext. Retain	New 2Lane	76	67+013	2x1.2	Pipe Culvert	82.703	81.548	80.228	2	
5	28+719	Pipe Culvert	2x1.2	19.994	11.405	Ext. Retain	New 2Lane	77	67+242	2x1.2	Pipe Culvert	82.823	81.489	80.169	2	
6	29+171	Pipe Culvert	2x0.9	17.980	10.924	Ext. Retain	New 2Lane	78	67+695	2x0.9	Pipe Culvert	82.850	81.028	80.018	2	
7	29+339	Pipe Culvert	2x1.2	17.227	11.306	Ext. Retain	New 2Lane	79	67+863	2x1.2	Pipe Culvert	83.081	81.665	80.345	2	
8	29+829	Slab Culvert	1x5.6	12.266	10.197	Ext. Retain	New 2Lane	80	68+353	1x5.6	Box Culvert	84.128	87.321	81.611	2	
9	30+122	Slab Culvert	1x2.6	11.937	11.416	Ext. Retain	New 2Lane	81	68+644	1x2.6	Box Culvert	84.299	83.242	80.532	2	
10	30+298	Slab Culvert	1x2.9	12.309	10.523	Ext. Retain	New 2Lane	82	68+820	1x2.9	Box Culvert	84.622	83.822	80.812	2	
11	30+511	Pipe Culvert	2x1.2	18.960	11.464	Reconstruction	New 4Lane	83	69+033	2x1.2	Pipe Culvert	84.641	83.193	81.873	2	
12	31+353	Pipe Culvert	4x1.2	19.250	11.024	Reconstruction	New 4Lane	84	69+876	4x1.2	Pipe Culvert	85.057	82.330	81.010	3	
13	31+690	Pipe Culvert	1x1.2	17.673	11.266	Reconstruction	New 4Lane	85	70+213	1x1.2	Pipe Culvert	85.355	84.145	82.825	3	
14	32+422	Pipe Culvert	2x1.2	17.535	10.903	Reconstruction	New 4Lane	86	70+945	2x1.2	Pipe Culvert	85.822	84.503	83.183	3	
15	33+078	Pipe Culvert	2x0.9	15.271	11.167	Reconstruction	New 4Lane	87	71+600	2x1.2	Pipe Culvert	86.144	85.448	84.128	3	
16	33+185	Pipe Culvert	1x1.2	15.129	12.099	Reconstruction	New 4Lane	88	71+707	1x1.2	Pipe Culvert	86.499	86.094	84.774	3	
17	33+528	Pipe Culvert	2x0.9	17.700	11.715	Ext. Retain	New 2Lane	89	72+053	2x0.9	Pipe Culvert	87.711	86.450	85.440	2	
18	33+835	Pipe Culvert	2x1.2	17.500	11.407	Ext. Retain	New 2Lane	90	72+359	2x1.2	Pipe Culvert	88.523	87.212	85.892	2	
19	34+687	Pipe Culvert	2x1.2	15.240	11.888	Ext. Retain	New 2Lane	91	73+213	2x1.2	Pipe Culvert	88.727	86.881	85.561	2	
20	34+925	Pipe Culvert	2x1.2	12.266	11.157	Ext. Retain	New 2Lane	92	73+452	2x1.2	Pipe Culvert	88.464	86.194	84.874	2	
21	35+063	Pipe Culvert	2x1.2	11.937	11.112	Ext. Retain	New 2Lane	93	73+590	2x1.2	Pipe Culvert	87.933	85.753	84.433	2	
22	35+222	Pipe Culvert	2x1.2	12.309	11.132	Ext. Retain	New 2Lane	94	73+749	2x1.2	Pipe Culvert	87.912	85.042	83.722	2	
23	35+420	Pipe Culvert	2x1.2	18.960	11.286	Ext. Retain	New 2Lane	95	73+947	2x1.2	Pipe Culvert	87.676	85.022	83.702	2	
24	35+579	Pipe Culvert	2x1.2	19.250	10.993	Ext. Retain	New 2Lane	96	74+106	2x1.2	Pipe Culvert	87.550	85.488	84.168	2	
25	35+742	Pipe Culvert	2x1.2	17.673	11.944	Ext. Retain	New 2Lane	97	74+269	2x1.2	Pipe Culvert	87.522	85.336	84.016	2	
26	35+793	Pipe Culvert	2x0.9	15.687	11.695	Ext. Retain	New 2Lane	98	74+320	2x0.9	Pipe Culvert	87.518	85.864	84.854	2	
27	35+919	Pipe Culvert	2x0.9	17.700	11.370	Ext. Retain	New 2Lane	99	74+446	2x0.9	Pipe Culvert	87.484	84.053	83.043	2	
28	36+067	Pipe Culvert	2x1.2	19.792	11.000	Ext. Retain	New 2Lane	100	74+593	2x1.2	Pipe Culvert	87.443	84.910	83.590	2	
29	36+090	Pipe Culvert	2x1.2	18.960	11.100	Ext. Retain	New 2Lane	101	74+617	2x1.2	Pipe Culvert	87.437	85.229	83.909	2	
30	36+280	Pipe Culvert	2x1.2	15.129	11.194	Ext. Retain	New 2Lane	102	74+807	2x1.2	Pipe Culvert	87.385	84.961	83.641	2	
31	36+405	Pipe Culvert	2x1.2	11.867	11.378	Ext. Retain	New 2Lane	103	74+931	2x1.2	Pipe Culvert	87.495	84.418	83.098	2	
32	36+845	Pipe Culvert	2x1.2	12.046	11.538	Ext. Retain	New 2Lane	104	75+371	2x1.2	Pipe Culvert	87.927	86.029	84.709	2	
33	37+294	Pipe Culvert	1x1.2	15.687	11.117	Ext. Retain	New 2Lane	105	75+820	1x1.2	Pipe Culvert	89.440	87.138	85.818	2	
34	37+728	Slab Culvert	1x4.8	12.000	10.825	Ext. Retain	New 2Lane	106	76+254	1x4.8	Box Culvert	90.482	91.548	86.638	2	
35	38+133	Pipe Culvert	2x1.2	17.495	11.045	Ext. Retain	New 2Lane	107	76+660	2x1.2	Pipe Culvert	90.739	89.440	88.120	2	
36	38+420	Pipe Culvert	2x1.2	17.55	10.002	Ext. Retain	New 2Lane	108	76+946	2x1.2	Pipe Culvert	91.917	90.950	89.630	2	
37	38+852	Pipe Culvert	2x1.2	20.4	9.885	Ext. Retain	New 2Lane	109	77+378	2x1.2	Pipe Culvert	94.301	92.188	90.868	2	
38	39+002	Pipe Culvert	2x1.2	22.62	10.21	Ext. Retain	New 2Lane	110	77+528	2x1.2	Pipe Culvert	94.818	92.895	91.575	2	
39	39+160	Pipe Culvert	1x1.2	20.208	10.916	Ext. Retain	New 2Lane	111	77+685	1x1.2	Pipe Culvert	95.203	93.204	91.884	2	
40	39+481	Pipe Culvert	2x0.9	17.959	10.528	Reconstruction	New 4Lane	112	78+007	2x1.2	Pipe Culvert	96.460	94.848	93.528	2	
41	39+863	Pipe Culvert	2x1.2	20.337	11.234	Ext. Retain	New 2Lane	113	78+387	2x1.2	Pipe Culvert	98.686	95.867	94.547	2	
42	40+033	Pipe Culvert	2x1.2	20.117	10.88	Ext. Retain	New 2Lane	114	78+557	2x1.2	Pipe Culvert	99.582	97.108	95.788	2	
43	41+718	Pipe Culvert	2x1.2	25.379	11.355	Ext. Retain	New 2Lane	115	80+240	2x1.2	Pipe Culvert	99.031	94.954	93.634	2	
44	42+080	Pipe Culvert	2x1.2	20.182	11.438	Ext. Retain	New 2Lane	116	80+601	2x1.2	Pipe Culvert	98.339	95.889	94.569	2	
45	42+238	Pipe Culvert	2x1.2	20.522	10.564	Ext. Retain	New 2Lane	117	80+760	2x1.2	Pipe Culvert	98.504	95.924	94.604	3	

CLIENT :



**NATIONAL HIGHWAYS AND INFRASTRUCTURE
DEVELOPMENT CORPORATION LTD.**
(MINISTRY OF ROAD TRANSPORT AND HIGHWAYS)
GOVERNMENT OF INDIA

PROJECT :

**CONSULTANCY SERVICES FOR PREPARATION OF
DETAILED PROJECT REPORT FOR DEVELOPMENT OF
ECONOMIC CORRIDORS, INTER CORRIDORS AND FEEDER
ROUTES TO IMPROVE THE EFFICIENCY OF FREIGHT
MOVEMENTS IN INDIA UNDER BHARATMALA PARIYOJANA
(LOT-1:PACKAGE II)**

DESIGN CONSULTANT:

VOYANTS SOLUTIONS PVT LTD.
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Detailed Project Report

REV.	DATE	DESCRIPTION

DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY
DSR	SJC	SB	SKC
SCALE : AS SHOWN		SHEET SIZE	A2

TITLE :

SCHEDULE OF PIPE CULVERTS

DRG. No. : (SHEET 01 OF 01)
VSPL/1718-081/DPR/PKG-2/PC
REVISION:R0
APRIL 2020