SECTIONAL ELEVATION AT A-A

SECTION AT B-B

HALF BOTTOM PLAN HALF TOP PLAN

℄ PLAN

DETAIL OF LVUP

DETAIL-B

DK- DEPTH OF KEY AT BASE SLAB

BASE SLAB THICKNESS	VALUE OF 'DK'
UPTO 900mm	1200mm
GREATER THAN 900mm	e+900mm

e = BASE SLAB THICKNESS

DETAIL-A

DETAIL C

NOTES AND SPECIFICATIONS

1) ALL DIMENSIONS ARE IN mm AND LEVELS ARE IN METER UNLESS OTHERWISE SPECIFIED

2) DIMENSIONS SHALL NOT BE SCALED OFF FROM THE DRAWING, ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.

3) DESIGN LOAD AS PER IRC:6 – 2017

4) PERMISSIBLE STRESSES IN CONCRETE AND STABILITY PARAMETRES CONFORMING TO IRC 112 – 2011

5) TMT Fe 500 REINFORCING STEEL SHALL BE USED AS PER IS 1786.

6) EXCAVATION SHOULD BE DONE AS PER SECTION 304 OF MORT&H SPECIFICATION.

7) LEVELING COURSE OF 150mm THK IN M15 IS PROVIDED BELOW BASE SLAB AS PER IRC 78 – 2014

8) FILLING BEHIND BOX CELL SHALL BE AS PER IRC:78 – 2014

9) PROVIDING FILTER MEDIA AS PER IRC:78 – 2014

10) PROTECTION WORK IS PROVIDED AS PER IRC:89 & SECTION 2500 OF MORT&H SPECIFICATION.

11) EXPANSION JOINT & FILLER JOINT IS AS PER IRC SP 69

12) PROVIDE DRAINAGE SPOUT 150mm DIA SPACING OF DRAINAGE SPOUT SHALL NOT EXCEED 10 METRES.

13) WEARING COAT IS AS PER CLAUSE 2702 OF MoRT&H SPECIFICATION.

14) CRASH BARRIER IS AS PER IRC:5 – 2015

15) 100 mm Ø WEEP HOLES SHALL BE PROVIDED IN SIDE WALL OF BOX ABOVE LOW WATER LEVEL OR NATURAL GROUND LEVEL AT 1.0m C/C HORIZONTALLY AND 1.0 C/C VERTICALLY WELL STAGGERED AS PER CLAUSE 2706 OF MoRT&H SPECIFICATION

16) NO PLASTERING OR REPAIR WORK SHALL BE PERMITTED.

17) PROPER PRECAUTION SHALL BE TAKEN DURING EXCAVATION FOR RAFT FOUNDATION NEARER TO THE EXISTING STRUCTURE.

18) THIS DRAWING IS TO BE READ IN CONJUNCTION WITH RELEVANT HIGHWAY DRAWINGS FOR FORMATION LEVELS,GROUND LEVELS, INVERT LEVEL, PROPOSED WIDENING LENGTH ETC.

19) WORK SHALL BE CARRIED OUT AS PER RELEVENT CLAUSES OF IRC SP: 13:2004MoRT&H SPECIFICATION) /METHODOLOGY

20) FOR MAINTAINING THE GEOMETRIC STANDARDS OF THE ROAD,STRUCTURE SHOULD BE CONSRTUCTED SIMULTANEOUSLY WITH THE EARTH WORK AS PER IRC:SP 13 – 2004

22) PRESSURE RELIEF HOLE 8 NO./SPAN SHALL BE PROVIDED IN STAGGERED MANNER.

25) GEOMETRIC STANDARDS ARE ADOPTED AS PER IRC SP: –

SR.NO.	SECTION	TYPE OF STRUCTURE & GRADE
1	FOUNDATION :–	
	BASE SLAB	RCC M – 25
	LEVELLING COURSE	PCC M – 15
2	SUBSTRUCTURE :–	
	BOX CELL	RCC M – 25
3	SUPER STRUCTURE –	
	SLAB	RCC M – 25
	APPROACH SLAB	RCC M – 30
	LEVELLING BELOW APPROACH SLAB	PCC M – 15
	WEARING COAT	40mm BC+ 25mm MASTIC ASPHALT
	CRASH BARRIER	RCC M – 40
	DRAINAGE SPOUT	150 Ø GI PIPE

REV.	DATE	DETAILS OF REVISION	DRAWN	CHECKED	APPROVED
R0	12/05/2020	DRAFT PROJECT REPORT	SBR	DPC	SAN

CLIENT: NATIONAL HIGHWAYS AUTHORITY OF INDIA (MINISTRY OF ROAD TRANSPORT & HIGHWAYS) GOVERNMENT OF INDIA

CONSULTANT: K & J Projects Private Limited
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Email: contact@knjprojects.com

NAME OF WORK: 4- Laning of Pune-Solapur Section of NH-9 from Km. 144.400 to Km 249.000 In the State of Maharashtra of DBFOT Basis

DRG. NO.: 00421-A/KJ/DPR/PS/LVUP/01 R
SCALE: NTS SHEET: 01 OF 01 DATE:12/05/20
TITLE: GAD OF LIGHT VEHICULAR UNDERPASS AT CH. 3+890 SPAN 1 x 12.00 x 4.50 @ 26.00 m WIDTH NEWCONSTRUCTION