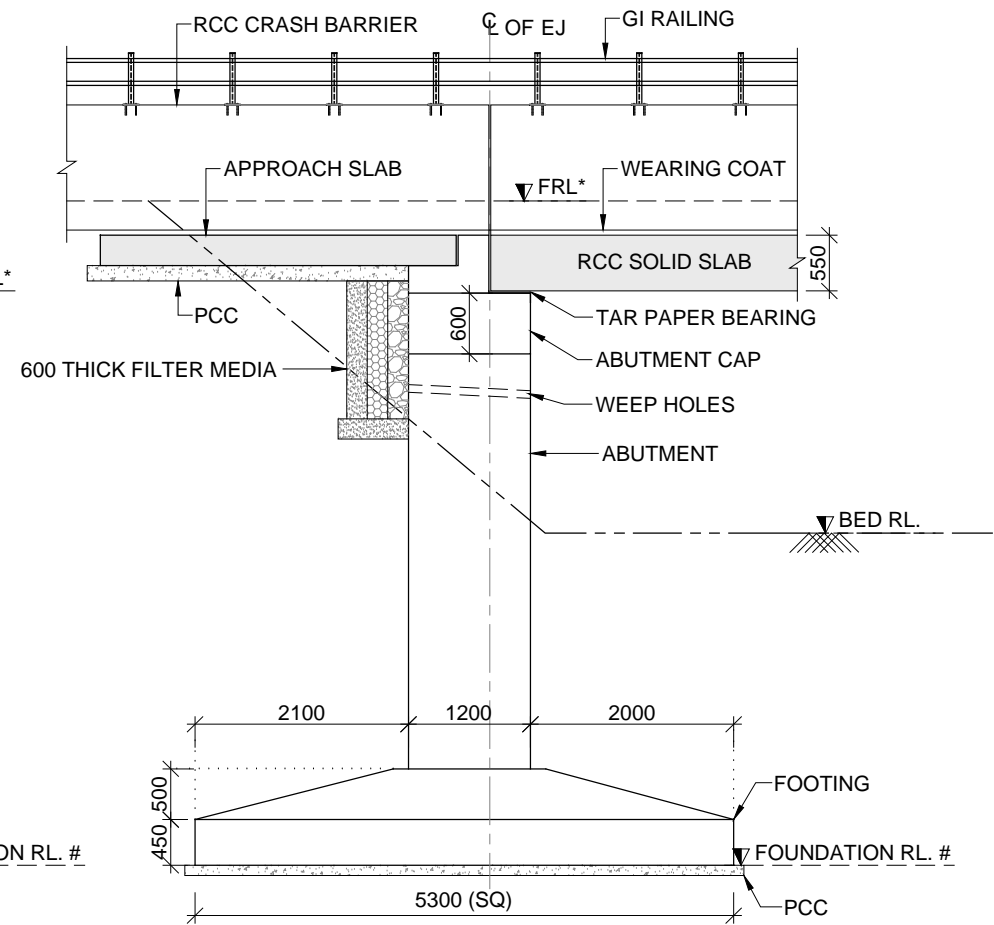
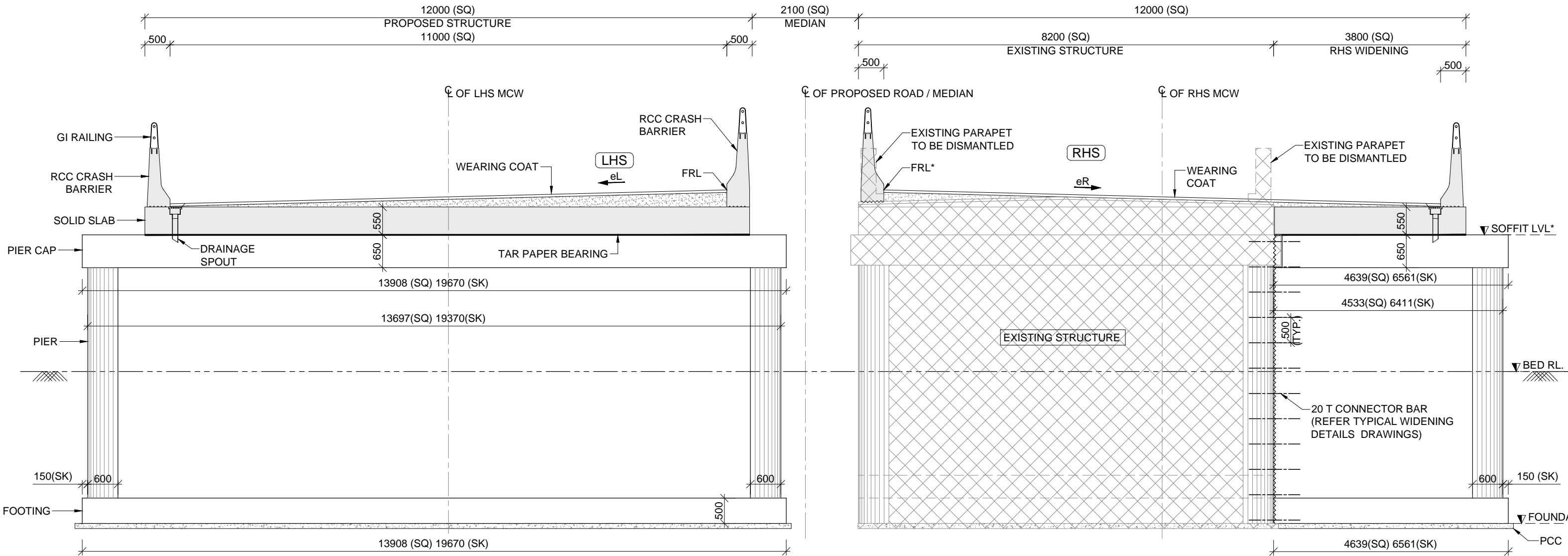


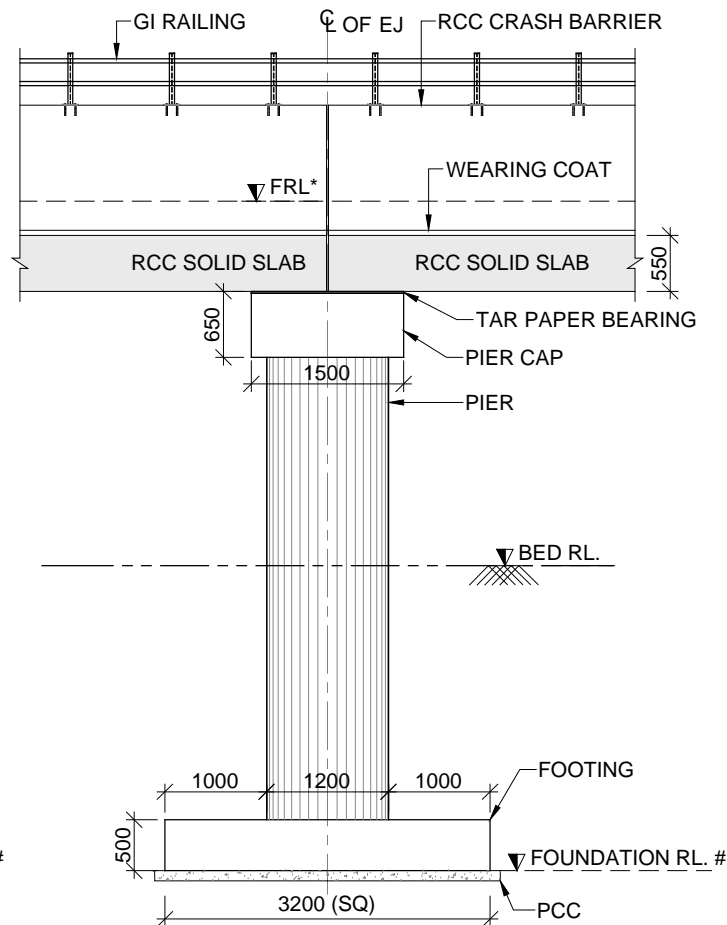
**TYPICAL CROSS SECTION OF ABUTMENT**  
(SCALE - 1 : 75)



**TYPICAL L/S FOR ABUTMENT**  
(SCALE - 1 : 75)



**TYPICAL CROSS SECTION OF PIER**  
(SCALE - 1 : 75)



**TYPICAL L/S FOR PIER**  
(SCALE - 1 : 75)

AS PER TOPO	
FSD	1.80 m
FREE BOARD	0.90 m
FSL	20.333 m
SOFFIT LEVEL	21.233 m
BED LEVEL	18.533 m

CANAL DATA	
FSD	1.80 m
FREE BOARD	0.90 m
FSL	18.21 m
SOFFIT LEVEL	19.11 m
BED LEVEL	16.41 m
CANAL WIDTH TOP	21.00 m
CANAL WIDTH BOTTOM	12.30 m
DISCHARGE	18.479 cumec.
TYPE OF CANAL	LINED







\* TO BE MATCH WITH EXISTING STRUCTURE

**ABBREVIATION / LEGEND:**

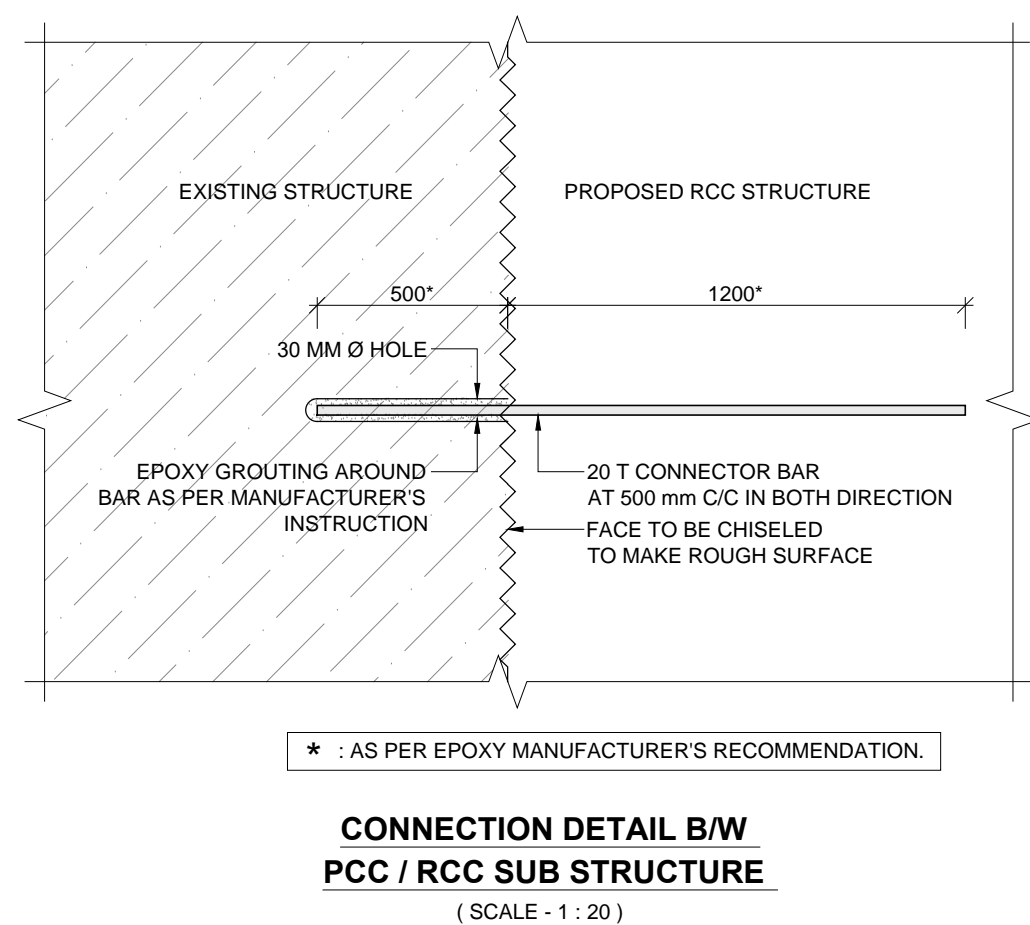
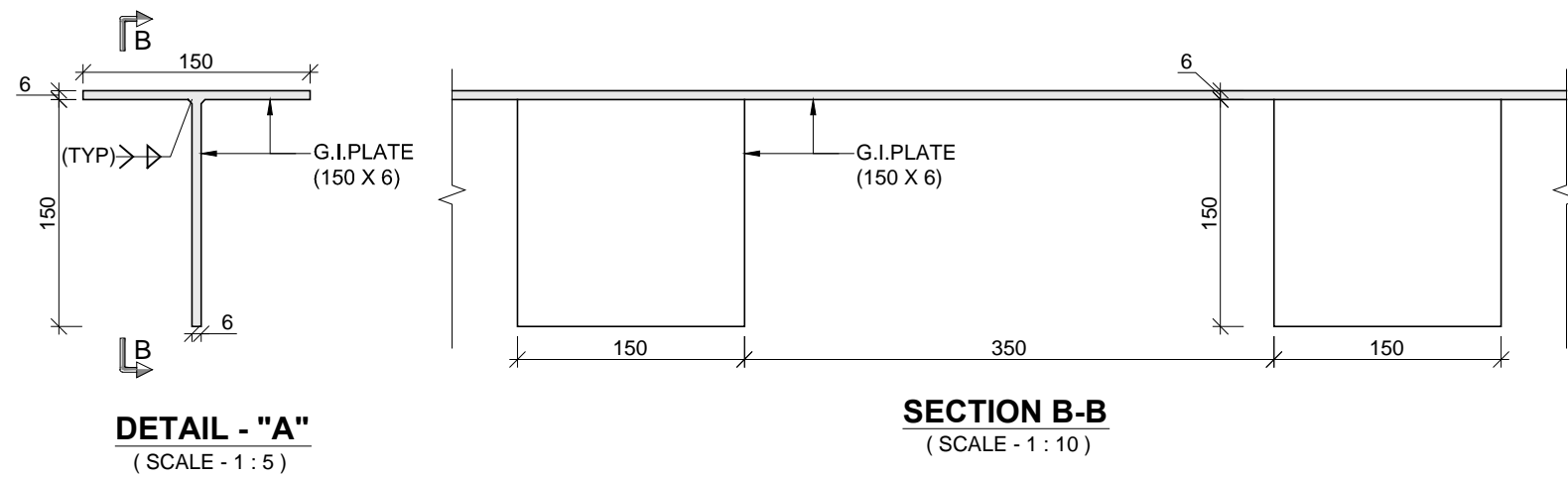
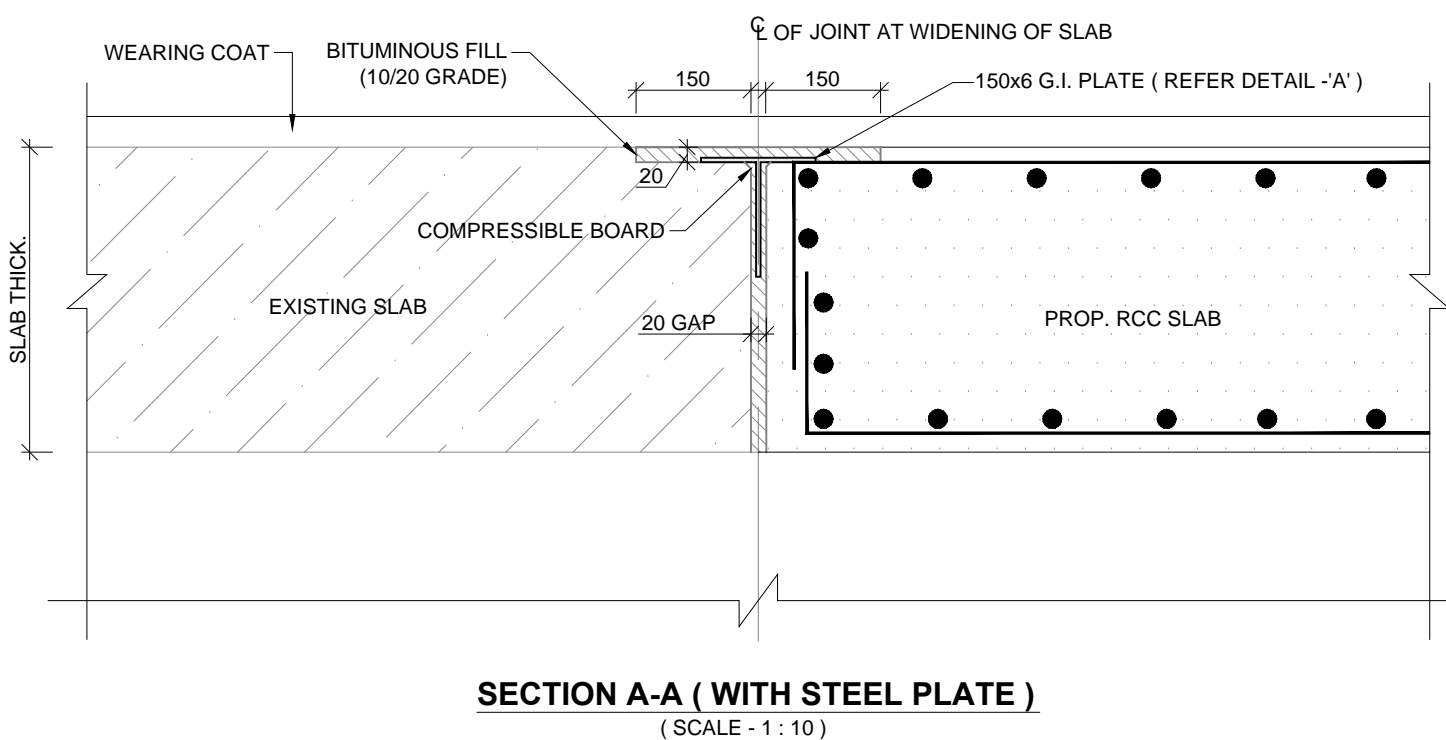
1. FRL : FORMATION LEVEL / FINISHED ROAD LEVEL
2. LHS : LEFT HAND SIDE
3. RHS : RIGHT HAND SIDE
4. LME : LEFT MEDIAN EDGE
5. RME : RIGHT MEDIAN EDGE
6. EJ : 40mm EXPANSION JOINT
7. BRG : BEARING
8. TYP : TYPICAL
9. CL : CENTER LINE
10. LVL : LEVEL
11. FSL : FULL SUPPLY LEVEL
12. GI : GALVANIZED IRON

**REFERENCES** (LATEST REVISIONS):  
1. CANAL DATA RECEIVED FROM SMC OFFICE

THIS DRAWING MUST BE READ IN CONJUNCTION  
WITH OTHER SHEET OF THIS DRAWING

							CLIENT : <div><b>SURAT MUNICIPAL CORPORATION.</b> muglisara, surat - 395003 PHONE NO :- +91 63599 07890 EMAIL: exen.bridge@suratmunicipal.gov.in</div>												DESIGN CONSULTANT : <div><b>INFINITE CIVIL SOLUTIONS PVT. LTD.</b> (AN ISO 9001 : 2008 CERTIFIED COMPANY) * INFINITE HOUSE * F.P. NO.-25, NEAR ADITYA ELEGANCE &amp; RAILWAY TRACK, CIMS HOSPITAL ROAD, SOLA, AHMEDABAD - 380060 PHONE NO :- +91 9725916839 EMAIL: info@infinitecivil.com WEBSITE: www.infinitecivil.com</div>				PROJECT : PREPARATION & SUBMISSION OF FEASIBILITY REPORT FOR WIDENING OF EXITING CANAL CULVERT/BRIDGE STRUCTURE ON 60.0 M WIDE D.P. ROAD CONNECTING NATIONAL HIGH WAY IN WEST ZONE (RANDER) AREA				DRAWING TITLE : GENERAL ARRANGEMENT DRAWING OF MINOR BRIDGE (3x8.50m) FOR GOTHAN RANDHER BRIDGE (45°)				DRG. NO. : 25122 - MB - PS - GA - 06 (SHEET : 2 OF 3)			
R1	01-12-2025	GENERAL MODIFICATION FOR REVIEW	DAT	MJP	NRS	PSG													DATE : DEC - 2025				REV: R1											
R0	13-11-2025		DAT	DGT	NRS	PSG																												
REV.	DATE	DESCRIPTION OF REVISIONS	A	B	C	D													SCALE : AS SHOWN				PAPER SIZE : A2											
			INITIALS																DESIGNED (A)  DAT				DRAWN (B)  MJP				CHECKED (C)  RGS				APPROVED (D)  PS			





**BORE HOLE : BH1**

Depth Interval (m)	Soil Type	N	w (%)	LL (%)	PL (%)	PI (%)
20.90/D	CH	N=10	1.91 (24.00%)	1.55	C <sub>uu</sub> =0.6, Ø <sub>uu</sub> =9.5°	
19.90/S						
18.90/U						
17.90/S						
17.80	WATER TABLE	N=11	1.92 (25.00%)	1.54	C <sub>uu</sub> =0.7, Ø <sub>uu</sub> =9.0°	
16.90/S						
15.90/U	ML	N=11	2.01 (19.00%)	1.68	C <sub>uu</sub> =0.2, Ø <sub>uu</sub> =31.0°	
14.90/S						
13.40/S	ML	N=13	2.03 (18.00%)	1.72	C <sub>uu</sub> =0.0, Ø <sub>uu</sub> =34.0°	
11.90/U						
10.40/S						
8.90/S						
7.40/U	SM	N=34	2.03 (18.00%)	1.72	C <sub>uu</sub> =0.0, Ø <sub>uu</sub> =34.0°	
5.90/S						

**BORE HOLE : BH2**

Depth Interval (m)	Soil Type	N	w (%)	LL (%)	PL (%)	PI (%)
21.05/D	CH	N=11	1.92 (23.00%)	1.56	C <sub>uu</sub> =0.7, Ø <sub>uu</sub> =9.7°	
20.05/S						
19.05/U						
18.05/S						
17.85	WATER TABLE	N=12	1.92 (25.00%)	1.54	C <sub>uu</sub> =0.7, Ø <sub>uu</sub> =9.2°	
17.05/S						
16.05/U	ML	N=13	2.01 (19.00%)	1.69	C <sub>uu</sub> =0.2, Ø <sub>uu</sub> =31.3°	
15.05/S						
13.55/S	ML	N=16	2.03 (18.00%)	1.72	C <sub>uu</sub> =0.0, Ø <sub>uu</sub> =34.0°	
12.05/U						
10.55/S						
9.05/S						
7.55/U	SM	N=40	2.03 (18.00%)	1.72	C <sub>uu</sub> =0.0, Ø <sub>uu</sub> =34.0°	
6.05/S						

- NOTES:**
- GENERAL :-**
1. ALL DIMENSIONS ARE IN MILLIMETER AND LEVELS ARE IN METER, UNLESS OTHERWISE MENTIONED.
  2. DIMENSIONS ARE NOT TO BE SCALED, ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
  3. NUMBER OF BARS SHALL NOT BE COUNTED, BUT NUMBER OF BARS AND SPACING INDICATED SHALL BE ADOPTED.
  4. IF ANY AMBIGUITY FOUND IN THE DRAWING OR AT SITE BRING IT TO DESIGNER'S NOTICE BEFORE EXECUTION.
  5. ALL RCC WORK SHALL BE CONFORM TO IRC:112-2011, IRC:78-2014 AND STRUCTURAL STEEL WORK SHALL BE CONFORM TO IRC-24-2001.
- METHODOLOGY FOR WIDENING SUPER STRUCTURE**
1. DISMANTLE THE EXISTING PARAPET ON WIDENING SIDE.
  2. FOR CUSHION LESS THAN 100 mm ON EXISTING SLAB PLACE G.I PLATES IN BETWEEN EXISTING SLAB AND PROPOSED SLAB AS PER SHOWN DETAILS.
  3. EXISTING SLAB BE THOROUGHLY CHECKED FOR ANY HONEY COMBS / CRACKS / EXPOSURE OF REINFORCEMENT / SPALLING ETC AND SUITABLE MEASURE SHALL BE TAKEN.
  4. BRIDGE/ CULVERT SHOULD BE CLOSED FOR TRAFFIC FOR 28 DAYS AFTER PLACING CONCRETE.

[illegible]