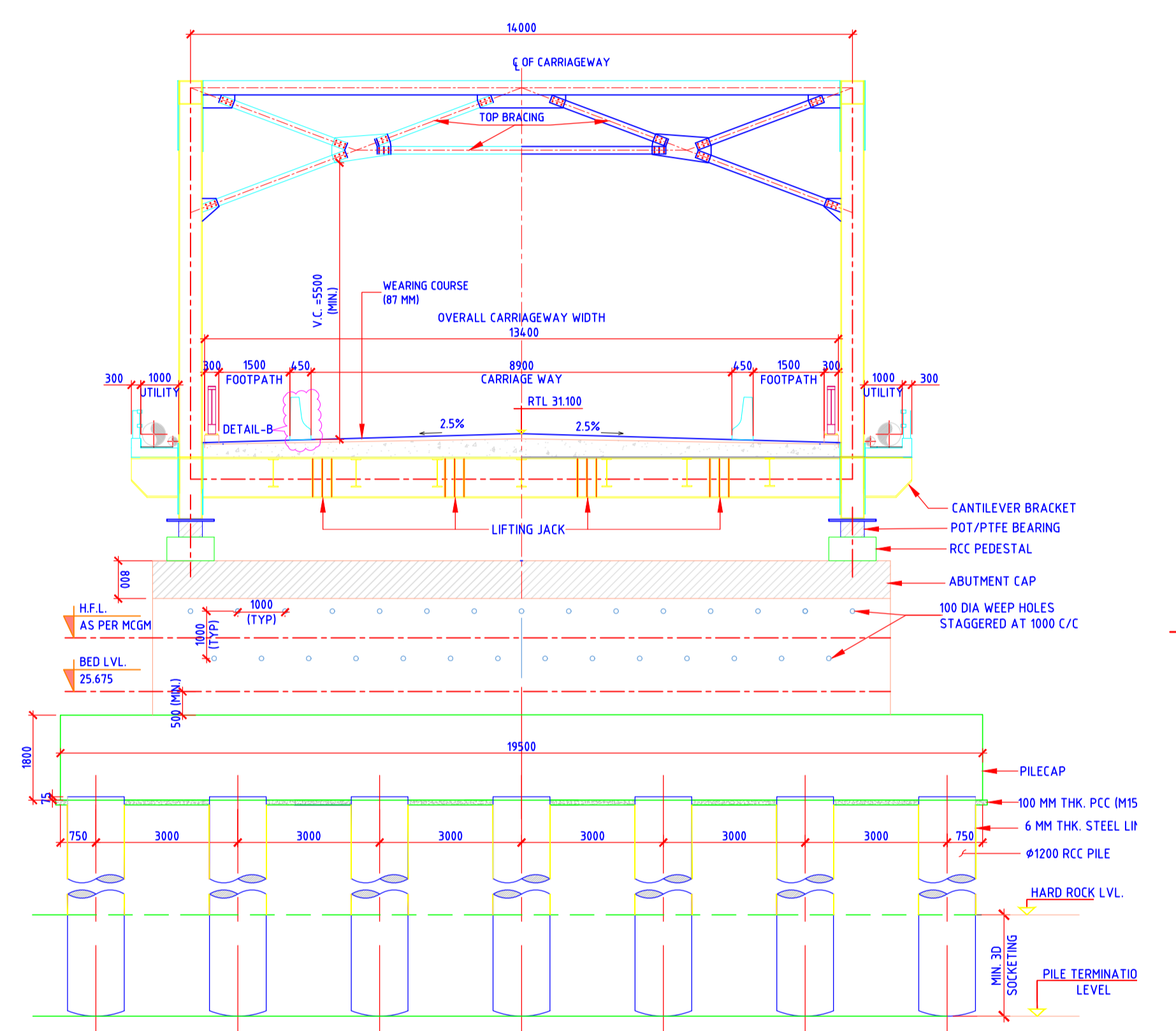
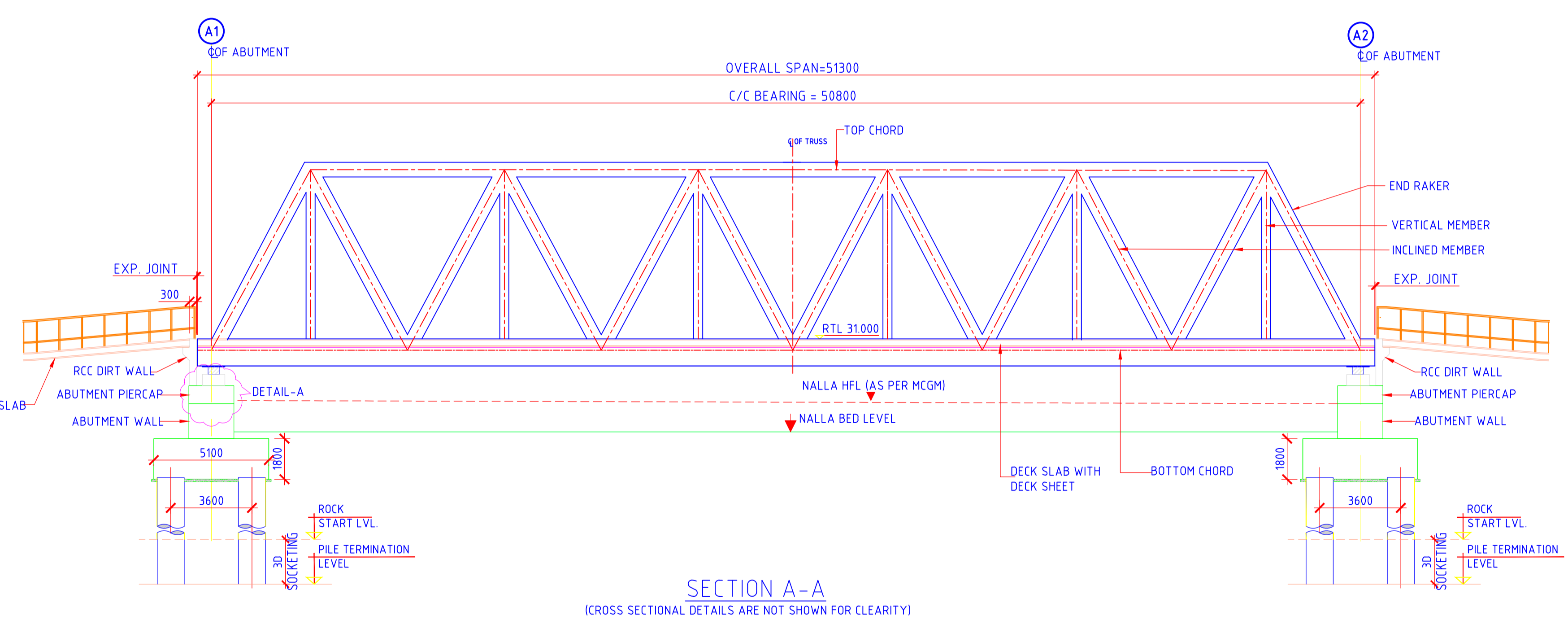
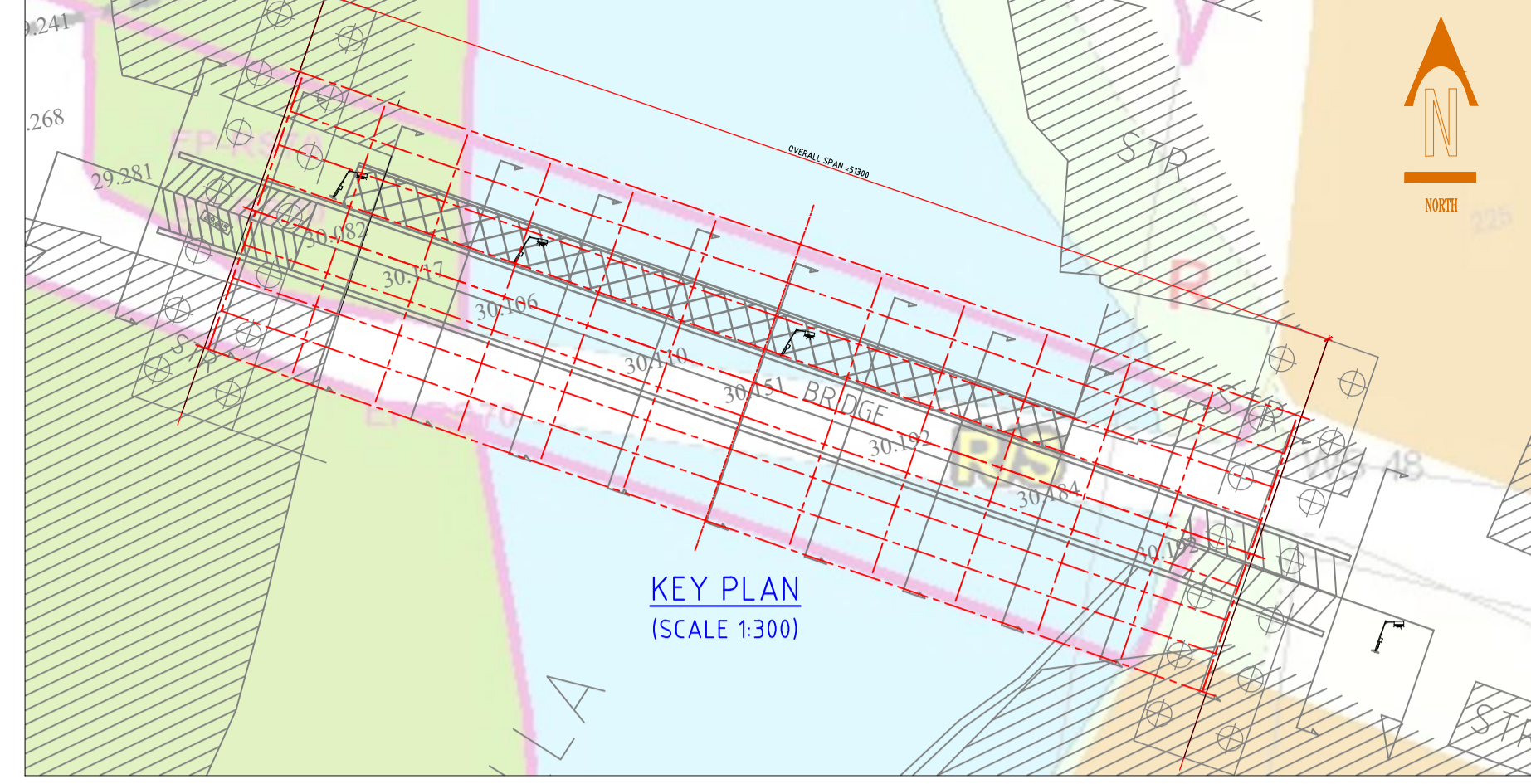
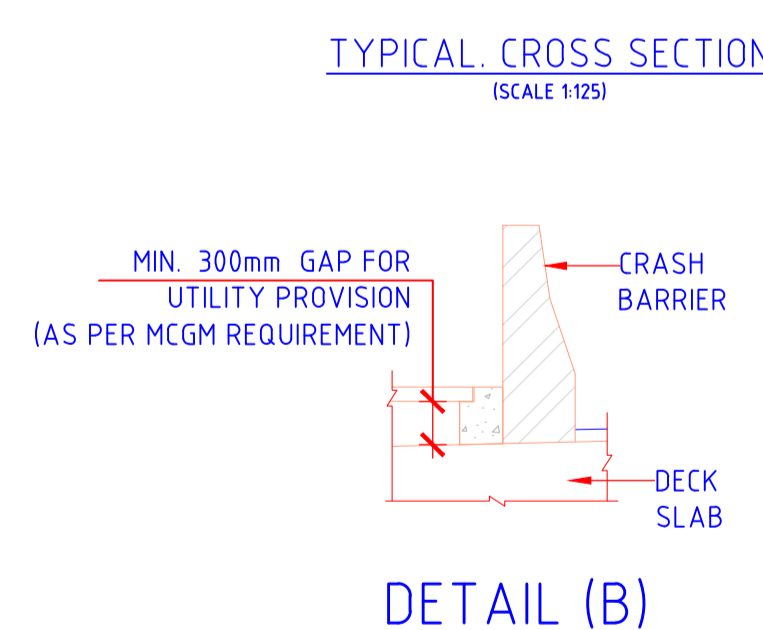
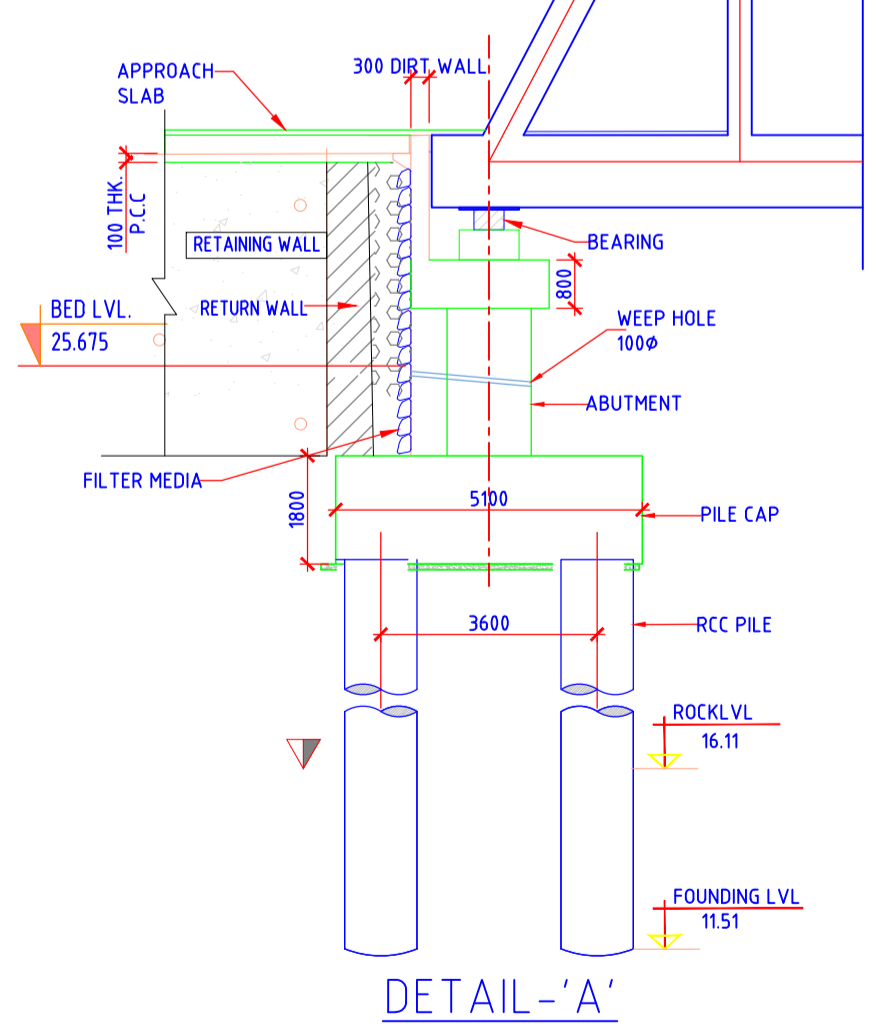


GR. LVL.	DEPTH (M)	LOG	DESCRIPTION
	1.50		BOULDERS, SAND, SOIL CLAY
	3.00		BROWNISH CLAY
	6.00		BROWNISH STIFF CLAY
	9.00		BROWNISH WEATHERED ROCK
	15.00		GREYISH FRACTURED BASALT ROCK
	16.50		GREYISH BASALT ROCK
	20.00		BROWNISH TO REDDISH ROCK WITH PATCHES OF AMYGDALOIDAL



- NOTES :-**
- ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS IN METRES, UNLESS WRITTEN OTHERWISE.
  - NO DIMENSIONS SHALL BE SCALED FROM THIS DRG. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
  - GRADE OF STRUCTURAL STEEL :- E 450 (Fe570) YIELD STRESS 450 MPA CONFORMING TO IS 2062 (WELDABLE QUALITY), FOR ISA ANGLES, PLATES AND OTHER MEMBERS - E 250. PROVIDING SAND BLASTING, METALISING AND PAINTING OF LOOSE FABRICATED COMPONENTS AND GIRDERS WITH SPRAYED ALUMINUM FOLLOWED BY PROTECTIVE COATING OF PAINTING OUTSIDE RUNNING LINE COMPLETE WITH CONTRACTOR'S OWN PAINT, OTHER MATERIAL, LABOUR, SCAFFOLDING, CONSUMABLE.
  - NOTE: THE PROTECTIVE COATING OF PAINT SHALL BE AS FOLLOWS:  
(i) FIRST COAT OF EACH PRIMER TO IS:5666.  
(ii) ONE COAT OF ZINC CHROMATE PRIMER TO IS:104 AND TWO COATS OF ALUMINIUM PAINT TO IS:2339. TOTAL THICKNESS WILL BE NOT LESS THAN 200 MICRON. GUARANTY PERIOD WILL BE 15 YEARS.
  - FABRICATION OF STEEL WORK SHALL BE DONE AS PER IRS B-1 AND IRS WELDED BRIDGE.
  - ALL WORKSHOP FABRICATION SHALL BE DONE USING SAW (SUBMERGED ARC WELDING) PROCESS ONLY.
  - THE WORK SHOULD BE EXECUTED AS PER THE FABRICATION DRAWINGS PREPARED BY CONSTRUCTION AGENCY AND APPROVED BY MCGM.
  - GRADE OF CONCRETE DECK SLAB=M40 DIRT WALL, PEDESTAL=M40, PILE AND PILECAP=M40, PCC LEVELLING COURSE=M15.
  - BACKFILL MATERIAL SHALL BE PROVIDED AS PER INSTRUCTION BY MCGM.
  - TOUGH PILES SHALL BE PROVIDED AS PER SITE REQUIREMENTS.
  - WEARING COAT ON BRIDGE PROPER= 1) 50mm DBM 2) 25mm MASTIC 3) 12mm MASTIC.
  - SPLICE PLATE IN THE MAIN GIRDERS TO BE PLACED IN STAGGERED MANNER.
  - 20mm DIA STUDS (E250) SHALL BE PROVIDED TO ENSURE COMPOSITE ACTION OF DECK SLAB.
  - THE LOCATION OF CRASH BARRIER SHOULD BE CONVEYED TO DESIGN CONSULTANT PRIOR TO CONSTRUCTION.
  - PILECAP SHOULD BE INTEGRATED BY CONSTRUCTION JOINT BY KEEPING DOWEL BARS/COUPLER PROJECTION WHICH ARE TO BE INTEGRATED AFTER CONSTRUCTION PHASES.
  - ALL THE LEVELS IN THIS GAD ARE AS PER INPUTS FROM MCGM ENGINEERS.
  - THIS IS TENTATIVE DESIGN AND MAY BE SUBJECTED TO CHANGE DURING DETAILED DESIGN.
  - AS PEDESTRIANS ARE LIKELY TO BE PRESENT AT URBAN CONSTRUCTION SITES, THERE MUST ALWAYS BE SAFETY OR BUFFER ZONE BETWEEN THE CONSTRUCTION SITE OUTER PEDESTRIAN BARRIER.
  - TRAFFIC CONTROL (TC) DEVICES INCLUDE APPURTENANCES SUCH AS SIGNS (INFORMATORY, REGULATORY, WARNING AND WORK ZONE) SIGNALS, FLASHERS, DELINEATORY, MARKING, BARRIERS AND OTHER DEVICES USED TO REGULATE, WARN, OR GUIDE ROAD USERS, AND NORMALLY PLACED ON, OVER, OR ADJACENT TO A STREET, HIGHWAY, PEDESTRIAN FACILITY (REF: IRC SP-55-2014 (IRC: 67:2012)).
  - THE BEARINGS AND GIRDERS SHOULD NOT BE ALLOWED TO COME IN CONTACT WITH WATER.
  - DURING CONSTRUCTION WORK, THE HEIGHT RESTRICTION GANTRY SHOULD BE PROVIDED ON EITHER SIDE OF THE BRIDGE TO RESTRICT HEAVY TRAFFIC ON THE EXISTING BRIDGE.
  - SUITABLE GRADIENT SHOULD BE MAINTAINED AT THE APPROACH ROADS AS PER MCGM REQUIREMENTS.
  - RECAUTIONARY/SAFETY MEASURES SHOULD BE TAKEN DURING DEMOLITION OF EXISTING STRUCTURES AS PER INSTRUCTIONS BY MCGM.



**ADVANCE COPY**

REV.	DDMMYYYY	DATE	STATUS	DESCRIPTION	DRAWN BY	CHECKED BY	APPROVED BY
3	18.05.2022	1	REVISED AS PER MEETING HELD IN MCGM'S OFFICE DATED 18.04.2022.	VVE	M.D.	Dr.HSR	
2	25.02.2022	1	REVISED AS PER MEETING HELD IN MCGM'S OFFICE DATED 10.02.2022.	NKI	M.D.	Dr.HSR	
1	13.10.2021	1	AS PER MCGM REQUIREMENT, TWO SPAN STRUCTURE HAS BEEN PROPOSED.	NKI	M.D.	Dr.HSR	
0	30.08.2021	1	FIRST SUBMISSION	NKI	M.D.	Dr.HSR	

**LEGEND :-**

- CL - CENTER LINE
- LVL - LEVEL
- TYP - TYPICAL
- HFL - HIGH FLOOD LEVEL
- FRL - FINISHED ROAD LEVEL
- INT. - INTERMEDIATE
- EXIST. - EXISTING
- GR. - GROUND
- THK. - THICKNESS
- CONST. - CONSTRUCTION
- BH - BORE HOLE
- PC - PILECAP

**DESIGN CONSULTANT :**

**CONSTRUMA CONSULTANCY PRIVATE LTD.**

2nd FLOOR PINKY PLAZA,  
5TH ROAD, KHAR (WEST), MUMBAI 400 052  
Tel. : 022-26487415, 26050208. Fax : 022-26463181  
email : info@construma.in

<b>DRAWN BY:</b> VVE	<b>CLIENT:</b> <b>MUNICIPAL CORPORATION OF GREATER MUMBAI</b>
<b>CHECKED BY:</b> MD	<b>PROJECT:</b> DEMOLITION & RECONSTRUCTION OF BRIDGE AT IRANWADI ROAD NO. 4 KANDIVALI (W) R/S WARD IN ZONE-VII
<b>VERIFIED BY:</b> Dr. Harsha	<b>TITLE:</b> GENERAL ARRANGEMENT DRAWING
<b>DATE:</b> 30.08.2021	<b>PROJECT NO.:</b> -
<b>SCALE:</b> AS SHOWN	<b>DRAWING NO.:</b> MCGM-6C/IRW-BRG/GAD/01
<b>STATUS:</b> FOR APPROVAL	<b>REV.:</b> R3