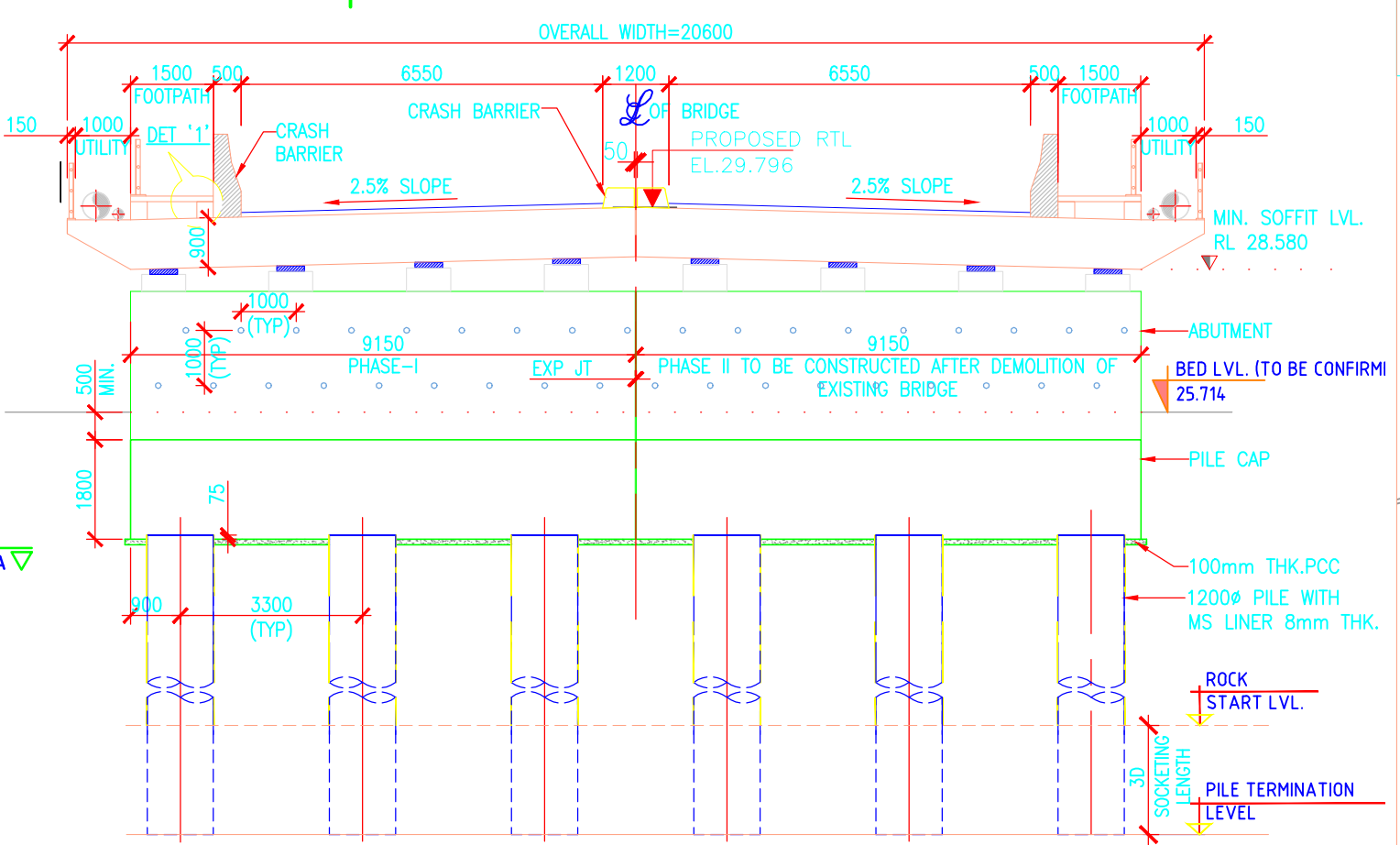
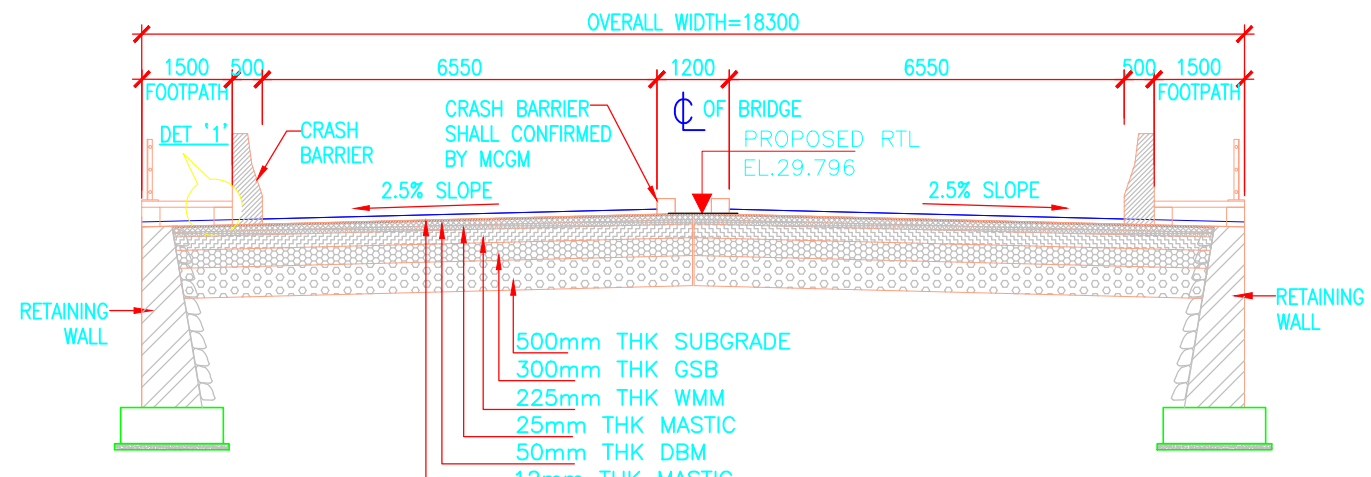


PLAN VIEW
(SCALE 1:300)

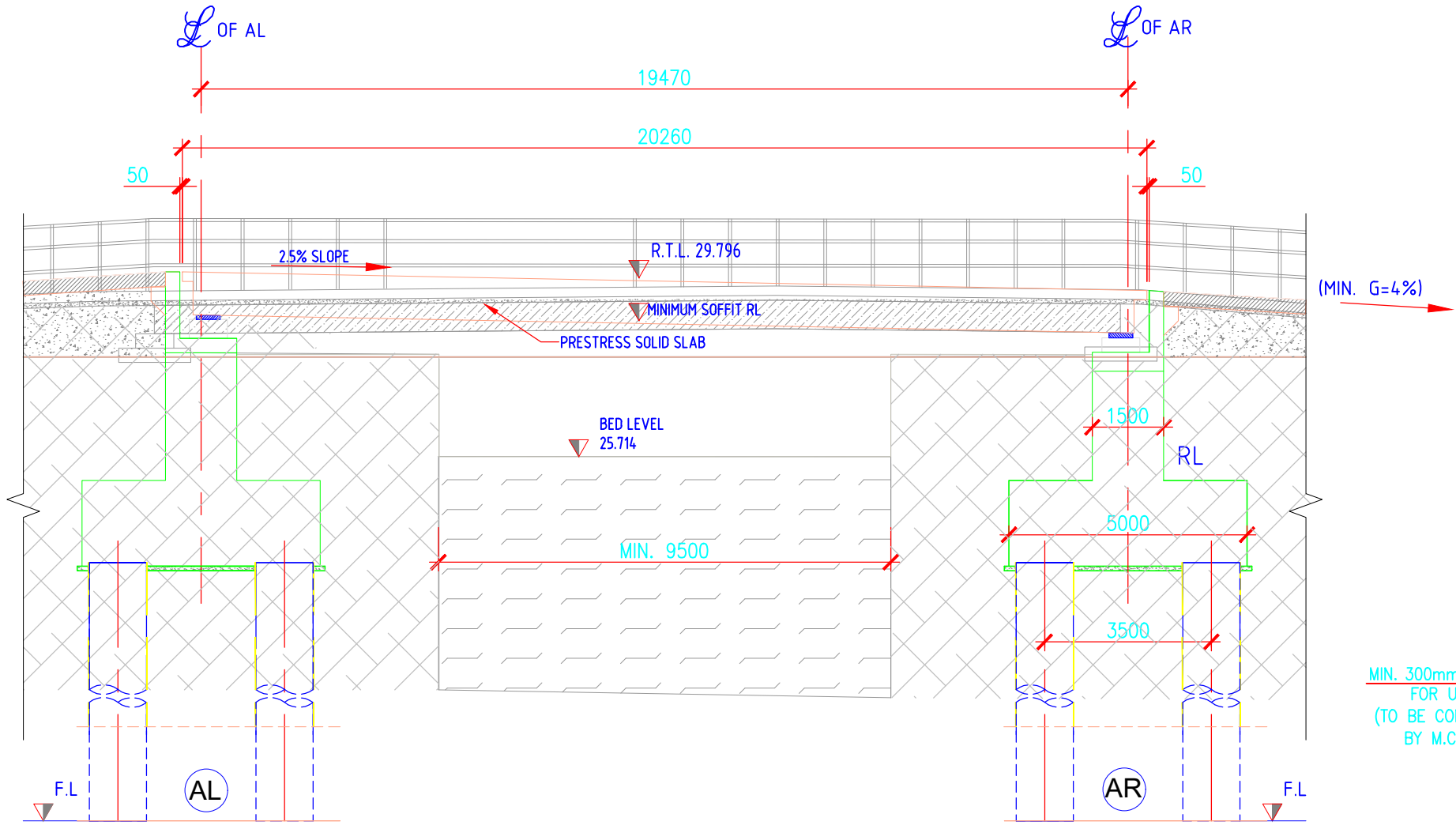


SECTION B-B
(SCALE 1:125)

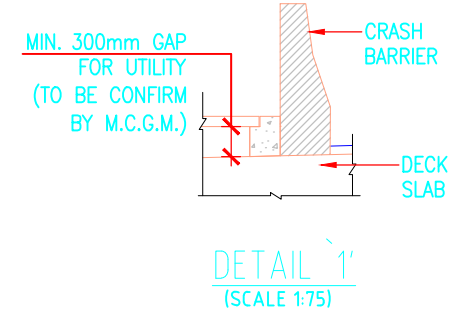
PROPOSED RTL	29.796									
DATUM POINT 28.000 LVL.										
GL/ EXISTING RTL	28.337	28.646	29.004	29.176	29.236	29.296	29.244	29.056	28.723	28.622
CHAINAGE	0.000	5.000	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000



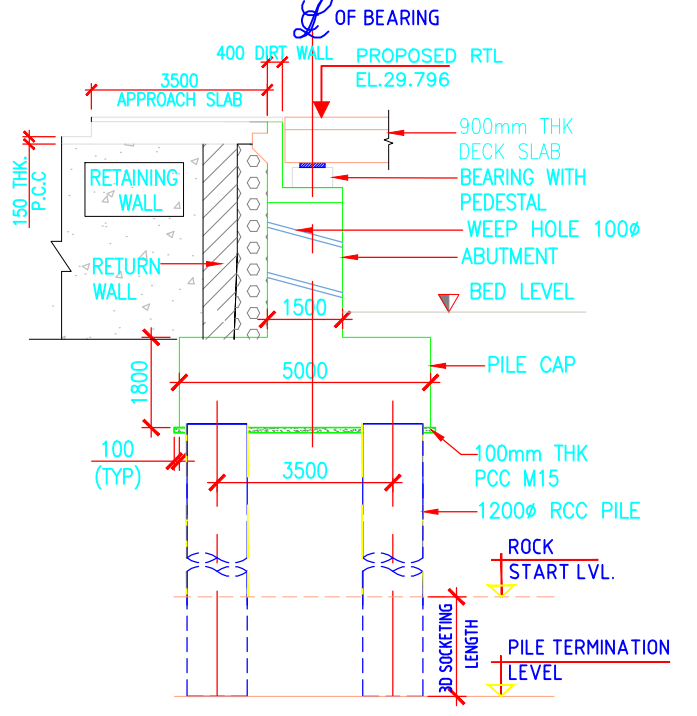
TYPICAL CROSS SECTION OF ROAD
SECTION C-C
(SCALE 1:150)



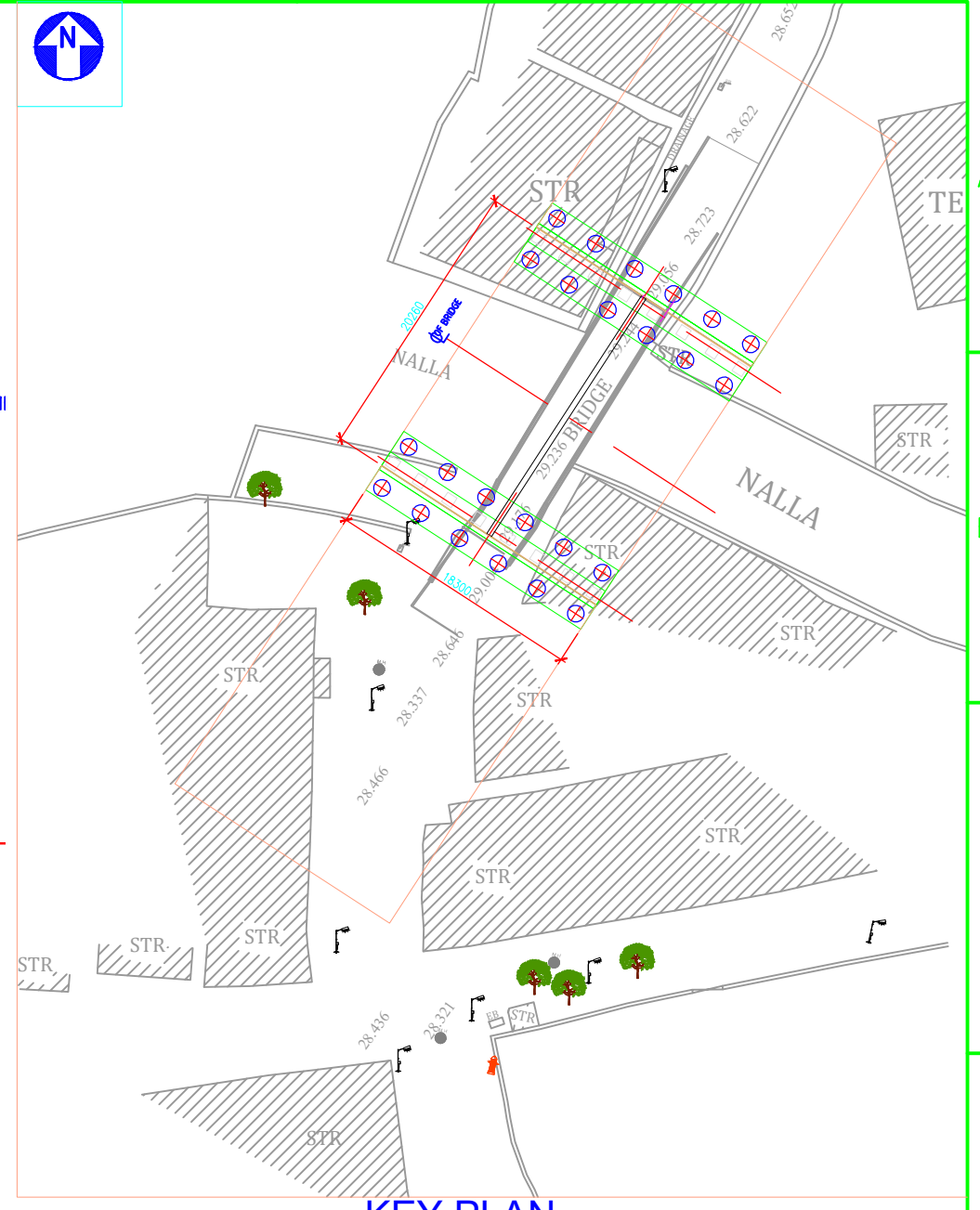
SECTION A-A
(SCALE 1:125)



DETAIL 1
(SCALE 1:75)



SIDE ELEVATION OF ABUTMENT
(SCALE 1:150)



KEY PLAN

DEPTH (M)	LOG	DESCRIPTION OF STRATA
1.50		BOULDERS, SAND, SOIL CLAY
6.00		BROWNISH STIFF CLAY
7.50		BROWNISH VERY STIFF CLAY
9.00		BROWNISH WEATHERED ROCK
12.00		BROWNISH HIGHLY WEATHERED ROCK
15.00		BROWNISH BRECCIA ROCK
18.00		BROWNISH BRECCIA WITH PATCHES OF AMYGDALOIDAL
20.00		DARK BROWNISH BRECCIA WITH PATCHES OF AMYGDALOIDAL

BORE LOG DETAIL FOR BH2

NOTES:-

- ALL DIMENSIONS ARE IN MILLIMETRES AND LEVES IN METRES.
- DO NOT SCALE THE DRAWING, FOLLOW ONLY WRITTEN DIMENSIONS.
- VERTICAL CAPACITY OF PILE AS PER GEOTECH REPORT IS 380T.
- GRADE OF CONCRETE:-
a. PSC SOLID SLAB-M45
b. DIRT WALL PEDESTAL-M40
c. RCC ABUTMENT & PCC RETAINING WALL-M40
d. PCC LEVELLING COURSE-M15
- 100 ϕ WEEP HOLES AT 1m c/c STAGGERED SHALL BE PROVIDED IN ABUTMENT.
- 600 THK FILTER MEDIA TO BE PROVIDED BEHIND ABUTMENT.
- M.S. LINER 8mm THICK WITH APPROPRIATE COATING SHALL BE PROVIDED FOR ALL PILES. THE LINER SHALL BE PROVIDED UPTO REFUSAL.
- DIMENSIONS SHOWN ARE TENTATIVE & MAY CHANGE DURING DETAILED DESIGN & DRAWING.
- WEARING COAT ON BRIDGE SURFACE - 12mm MASTIC, 50mm DBM & 25mm MASTIC.
- SOCKETING LENGTH IS 3 TIMES DIAMETER OF PILE AS PER GEOTECH REPORT.
- NALLA BED LEVEL IS AS PER DATA SENT BY MCGM ON 23.02.2022.
- THE DESIGN MAY BE SUBJECT TO CHANGE AFTER OBTAINING THE HFL ACTUAL WIDTH OF NALLA VALUES FROM MCGM.
- THE DEMOLITION METHODOLOGY SHOULD BE DISCUSSED WITH DESIGN CONSULTANT AND SHALL BE APPROVED BY MCGM BEFORE DEMOLISHING THE EXISTING STRUCTURES FOR PHASE CONSTRUCTIONS.
- ALL PROPOSED LEVEL & GRADIENT DETAILS TO BE CONFIRMED BY M.C.G.M. PRIOR TO THE EXECUTION OF WORK.
- AS PER MCGM LETTER DY/CHE/SWD/214.6/PC DT: 22/03/2021 REQUIRED CLEAR WATERWAY OF 9.5M IS MAINTAINED.
- DIMENSION & FOUNDING LEVEL SHOWN ARE TENTATIVE & MAY CHANGE DURING DETAILED DESIGN & DRAWING.
- PROPOSED STRUCTURE IS DESIGNED FOR 2 LANE OF CLASS A & 1 LANE OF CLASS 70R AS PER LATEST IRC-6-2017.
- SEISMIC ZONE FOR THIS PROJECT IS ZONE III.

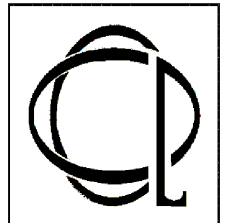
CONSTRUCTION SEQUENCE:-

- PHASE-I OF 9150mm OF ABUTMENT SHALL BE CONSTRUCTED TOWARDS SOUTH SIDE. DURING THIS PERIOD TRAFFIC WILL BE PLYING ON EXISTING BRIDGE. AFTER COMPLETION OF PHASE-I CONSTRUCTION TRAFFIC OF MINIMUM TWO LANE SHALL BE DIVERTED ON PHASE-II NEW BRIDGE. EXISTING BRIDGE SHALL BE DEMOLISHED AND PHASE-II SHALL BE CONSTRUCTED.

REV.	DD.MM.YYYY DATE	STATUS	DESCRIPTION	PREPARED BY	APPROVED BY
1	25.02.22	1	REVISED AS PER MEETING HELD IN MCGM'S OFFICE DATED 10.02.2022.	NKI	Dr.HSR
0	13.10.21	1	FIRST SUBMISSION	NKI	Dr.HSR

STATUS CODES: 1- FOR APPROVAL 2- GOOD FOR CONSTRUCTION (GFC) 3- AS BUILT

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 : bridges@construma.in

DRAWN BY:

NKI

CHECKED BY :

MD

VERIFIED BY :

Dr. HSR

DATE :

25.02.2022

CLIENT:



MUNICIPAL CORPORATION OF GREATER MUMBAI

PROJECT:
DEMOLITION & RECONSTRUCTION OF BRIDGE AT VALNAI BRIDGE AT KANDIVALI (W) R/S WARD, DILAPILATED BRIDGES IN ZONE-VII

TITLE:
GENERAL ARRANGEMENT DRAWING

SCALE:

AS SHOWN

DRAWING NO:

MCGM-6C/VAL-BRG/GAD/01

STATUS:

FOR APPROVAL

REV:

R1