

NOTES:
 1. ALL DIMENSIONS ARE IN MM
 2. ALL LEVELS IN METERS FROM MEAN SEA LEVEL UNLESS OTHERWISE MENTIONED
 3. DIMENSIONS ARE NOT TO BE SCALED. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED
 4. ALL DIMENSIONS ARE INDICATIVE AND ARE SUBJECT TO CHANGE DURING DETAILED DESIGN.
 5. GRID DIMENSIONS FROM CENTER TO CENTER OF COLUMN

THE RESPONSIBILITY OF CONTROL, CHECK & VERIFICATION OF ACCURACY, CORRECTNESS, COMPLETENESS, INTEGRATION & FULL COMPLIANCE OF THE CONTRACT PROVISIONS IN RESPECT OF DESIGN, ANALYSIS AND DRAWINGS RESTS WITH THE DETAILED DESIGN CONSULTANT / DETAILED DESIGN CONSULTANT & CONTRACTOR.

THIS DRAWING INCLUDING ITS DESIGN AND DETAILING HAS BEEN **PROOF CHECKED** INDEPENDENTLY AND FOUND SUITABLE FOR THE EXECUTION PURPOSE AND IS RECOMMENDED FOR GFC / NO OBJECTION.

THIS DRAWING INCLUDING ITS DESIGN AND DETAILING HAS BEEN **PROOF CHECKED/REVIEWED** AND FOUND SUITABLE FOR THE EXECUTION PURPOSE AND ISSUED AS 'GOOD FOR CONSTRUCTION/BEING GIVEN NO OBJECTION'

COUNTER SIGNED BY MAHARASHTRA METRO RAIL CORPORATION LTD.

PROJECT: **NAGPUR METRO RAIL PROJECT**
 Metro Bhavan, Metro Landra, Opp. Ambedkar College, Nagpur - 440010 Maharashtra, India

CLIENT: MAHARASHTRA METRO RAIL CORPORATION LTD.

LOCATION: KHAIRI FATA STATION

TITLE: GROUND LEVEL PLAN

SCALE: 1:300 **DATE:** 29.01.2024 **STATUS:** Conceptual design

DRG NO: NMRP-01-R02A-LKT-ST-04-KHRF-CP-GR-AR-1003

DDC		DDC		DDC	
SIGN:	SIGN:	SIGN:	SIGN:	SIGN:	SIGN:
DATE: 29.01.2024	DATE: 29.01.2024	DATE: 29.01.2024	DATE: 29.01.2024	DATE: 29.01.2024	DATE: 29.01.2024
NAME: INDU	NAME: Pooja LAKHCHAURA	NAME: JANNU TYAGI	NAME: JAVED SAROSH ZAIDI	NAME: LOKESH KUMAR TYAGI	
DRAWN BY	DESIGN BY	CHECKED BY	APPROVED BY	ACCEPTED BY	

DETAIL DESIGN CONSULTANT:
LKT ENGINEERING CONSULTANTS LTD.
 LKT HOUSE
 WZ-62, 63, 64 Ugrasain Market,
 Ashok Nagar, Near Tlak Nagar Police Station,
 New Delhi-110018
 Phone : 011-455 65818
 Email : info@lktengineering.com
 Web : www.lktengineering.com

PROOF CONSULTANT

GENERAL CONSULTANT TO NMRP

SYSTRA-AECOM-CEG

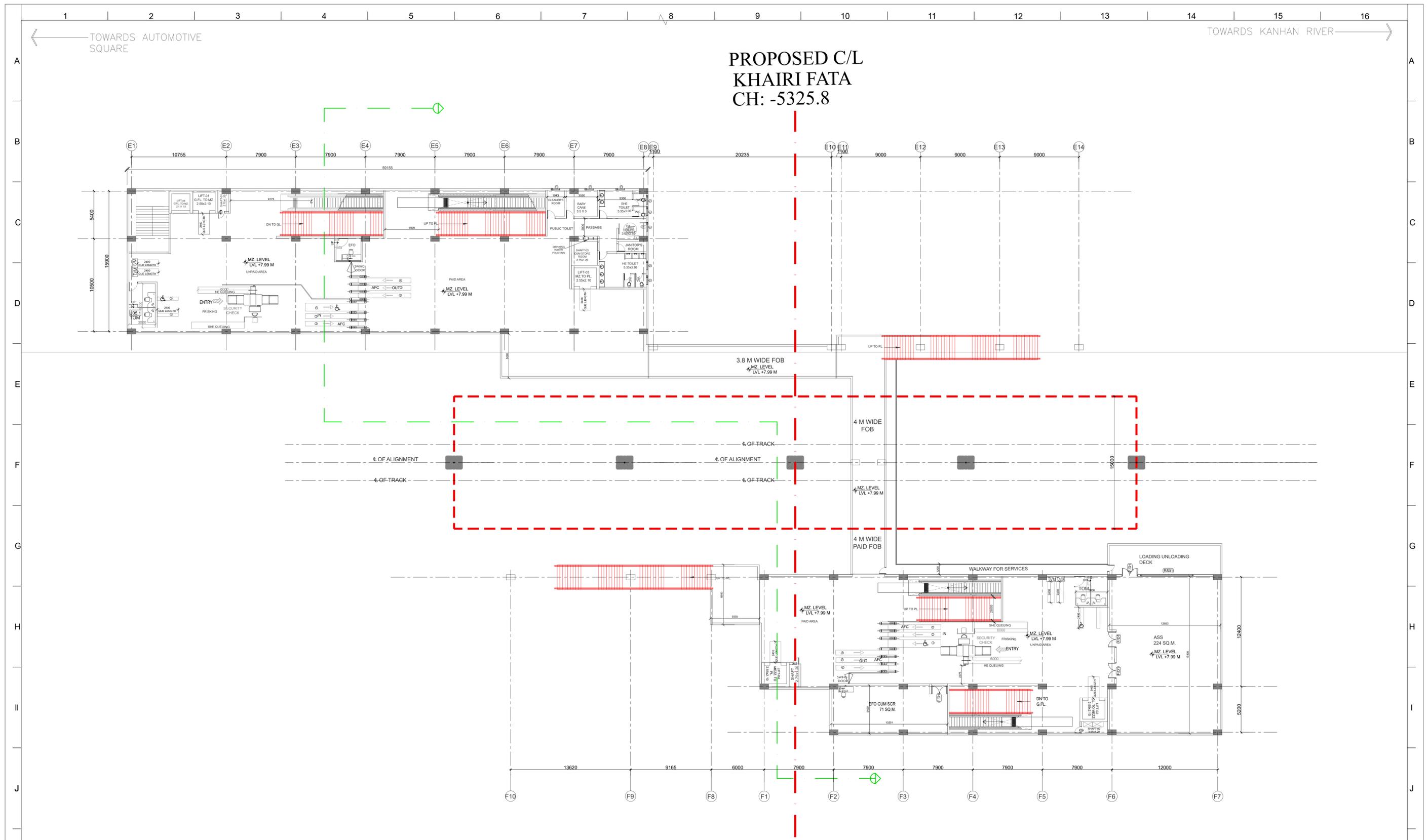
GC to NMRP,
 1ST Floor, Zero Mile Metro Station,
 Near Zero Miles Stone, Civil Lines,
 Nagpur, 440001, Maharashtra.



ARCHITECTURE

REVISION NO: REV.03





NOTES:
 1. ALL DIMENSIONS ARE IN MM
 2. ALL LEVELS IN METERS FROM MEAN SEA LEVEL UNLESS OTHERWISE MENTIONED
 3. DIMENSIONS ARE NOT TO BE SCALED. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED
 4. ALL DIMENSIONS ARE INDICATIVE AND ARE SUBJECT TO CHANGE DURING DETAILED DESIGN.
 5. GRID DIMENSIONS FROM CENTER TO CENTER OF COLUMN

THE RESPONSIBILITY OF CONTROL, CHECK & VERIFICATION OF ACCURACY, CORRECTNESS, COMPLETENESS, INTEGRATION & FULL COMPLIANCE OF THE CONTRACT PROVISIONS IN RESPECT OF DESIGN, ANALYSIS AND DRAWINGS RESTS WITH THE DETAILED DESIGN CONSULTANT / DETAILED DESIGN CONSULTANT & CONTRACTOR.

THIS DRAWING INCLUDING ITS DESIGN AND DETAILING HAS BEEN **PROOF CHECKED** INDEPENDENTLY AND FOUND SUITABLE FOR THE EXECUTION PURPOSE AND IS RECOMMENDED FOR GFC / NO OBJECTION.

THIS DRAWING INCLUDING ITS DESIGN AND DETAILING HAS BEEN **PROOF CHECKED/REVIEWED** AND FOUND SUITABLE FOR THE EXECUTION PURPOSE AND ISSUED AS 'GOOD FOR CONSTRUCTION'/BEING GIVEN NO OBJECTION

COUNTER SIGNED BY MAHARASHTRA METRO RAIL CORPORATION LTD.

PROJECT:  **NAGPUR METRO RAIL PROJECT**
 Metro Bhavan, Metro Landra, Opp. Ambedkar College, Nagpur - 440010 Maharashtra, India

CLIENT: MAHARASHTRA METRO RAIL CORPORATION LTD.

LOCATION: KHAIRI FATA STATION

TITLE: MEZZANINE LEVEL PLAN

SCALE: 1:300 **DATE:** 29.01.2024 **STATUS:** Conceptual design

DRG NO: NMRP-01-R02A-LKT-ST-04-KHRF-CP-MZ-AR-1004

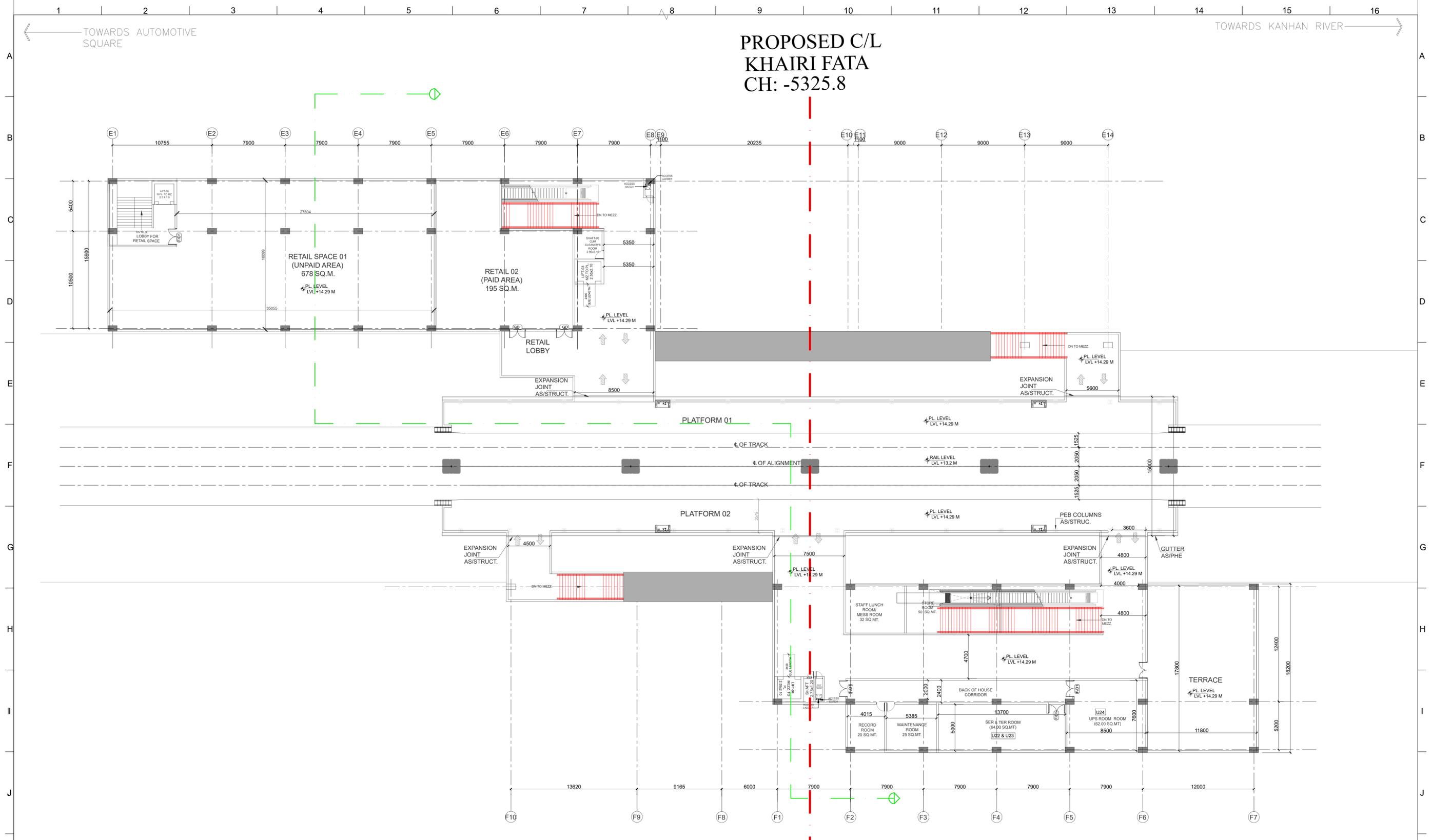
DDC		DDC		PROOF CONSULTANT		GENERAL CONSULTANT TO NMRP	
SIGN:	SIGN:	SIGN:	SIGN:	SIGN:	SIGN:	SIGN:	SIGN:
DATE: 29.01.2024	DATE: 29.01.2024	DATE: 29.01.2024	DATE: 29.01.2024	DATE: 29.01.2024	DATE:	DATE:	DATE:
NAME: INDU	NAME: POOJA LAKHCHAURA	NAME: JANNU TYAGI	NAME: JAVED SAROSH ZAIDI	NAME: LOKESH KUMAR TYAGI	NAME:	NAME:	NAME:
DRAWN BY	DESIGN BY	CHECKED BY	APPROVED BY	ACCEPTED BY			

DETAIL DESIGN CONSULTANT:
 **LKT ENGINEERING CONSULTANTS LTD.**
 LKT HOUSE
 WZ-62, 63, 64 Ugrasain Market,
 Ashok Nagar, Near Tilak Nagar Police Station,
 New Delhi-110018
 Phone : 011-455 65818
 Email : info@lktengineering.com
 Web : www.lktengineering.com

SYSTRA-AECOM-CEG
 GC to NMRP,
 1ST Floor, Zero Mile Metro Station,
 Near Zero Miles Stone, Civil Lines,
 Nagpur,440001. Maharashtra.

 **ARCHITECTURE**
 REVISION NO:
REV.03

PROPOSED C/L
KHAIRI FATA
CH: -5325.8



- NOTES:**
1. ALL DIMENSIONS ARE IN MM
 2. ALL LEVELS IN METERS FROM MEAN SEA LEVEL UNLESS OTHERWISE MENTIONED
 3. DIMENSIONS ARE NOT TO BE SCALED. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED
 4. ALL DIMENSIONS ARE INDICATIVE AND ARE SUBJECT TO CHANGE DURING DETAILED DESIGN.
 5. GRID DIMENSIONS FROM CENTER TO CENTER OF COLUMN

THE RESPONSIBILITY OF CONTROL, CHECK & VERIFICATION OF ACCURACY, CORRECTNESS, COMPLETENESS, INTEGRATION & FULL COMPLIANCE OF THE CONTRACT PROVISIONS IN RESPECT OF DESIGN, ANALYSIS AND DRAWINGS RESTS WITH THE DETAILED DESIGN CONSULTANT / DETAILED DESIGN CONSULTANT & CONTRACTOR.

THIS DRAWING INCLUDING ITS DESIGN AND DETAILING HAS BEEN **PROOF CHECKED** INDEPENDENTLY AND FOUND SUITABLE FOR THE EXECUTION PURPOSE AND IS RECOMMENDED FOR GFC / NO OBJECTION.

THIS DRAWING INCLUDING ITS DESIGN AND DETAILING HAS BEEN **PROOF CHECKED/REVIEWED** AND FOUND SUITABLE FOR THE EXECUTION PURPOSE AND ISSUED AS 'GOOD FOR CONSTRUCTION'/BEING GIVEN NO OBJECTION

COUNTER SIGNED BY MAHARASHTRA METRO RAIL CORPORATION LTD.

PROJECT: **NAGPUR METRO RAIL PROJECT**
Metro Bhavan, Metro Landra, Opp. Ambedkar College, Nagpur - 440010 Maharashtra, India

CLIENT: **MAHARASHTRA METRO RAIL CORPORATION LTD.**

LOCATION: **KHAIRI FATA STATION**

TITLE: **PLATFORM LEVEL PLAN**

SCALE: 1:300 DATE: 29.01.2024 STATUS: Conceptual design

DRG NO: **NMRP-01-R02A-LKT-ST-04-KHRF-CP-PL-AR-1005**

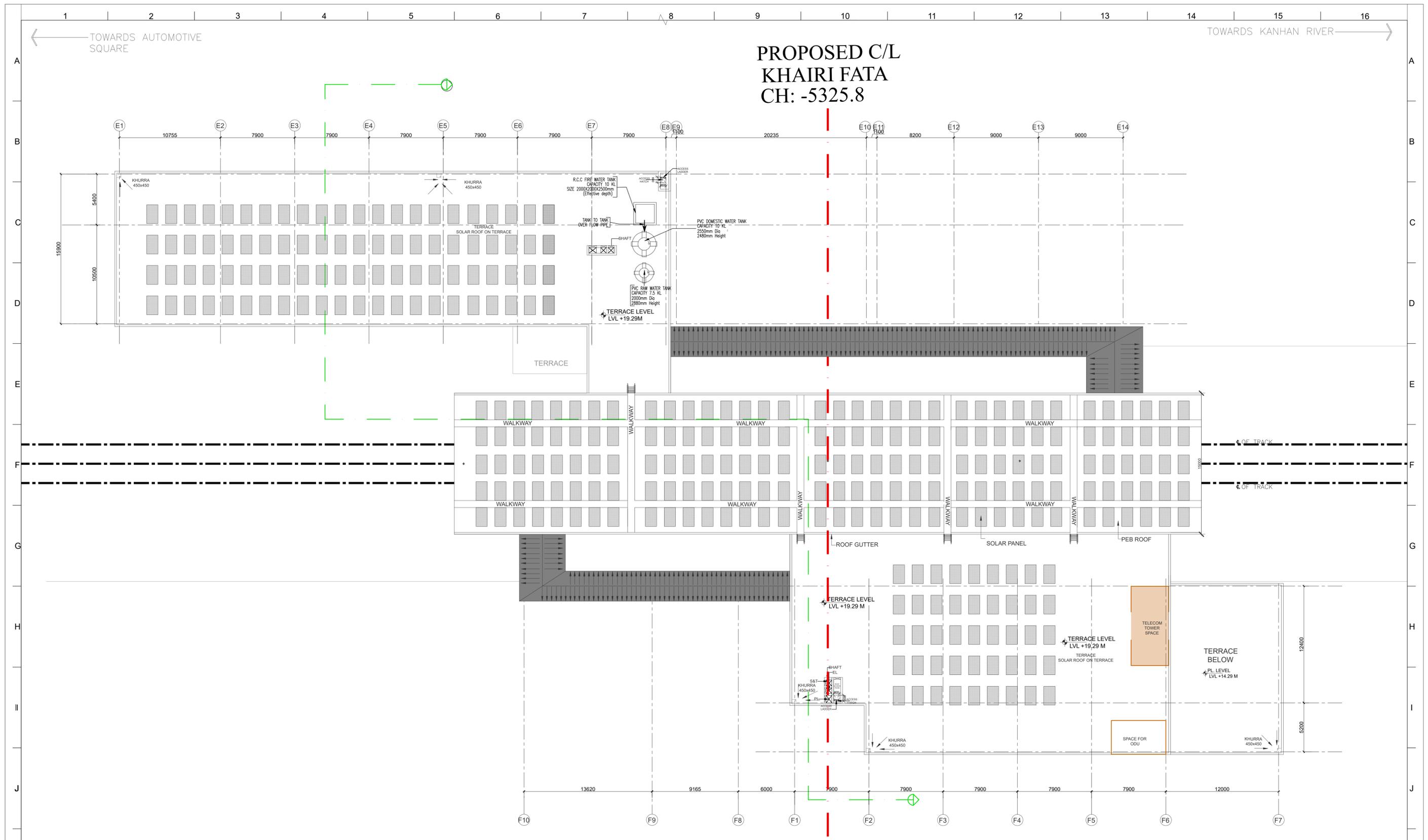
DDC		DDC		PROOF CONSULTANT		GENERAL CONSULTANT TO NMRP	
SIGN:	SIGN:	SIGN:	SIGN:	SIGN:	SIGN:	SIGN:	SIGN:
DATE:	DATE:	DATE:	DATE:	DATE:	DATE:	DATE:	DATE:
NAME:	NAME:	NAME:	NAME:	NAME:	NAME:	NAME:	NAME:
INDU	POOJA LAKHCHAURA	JANNU TYAGI	JAVED SAROSH ZAIDI	LOKESH KUMAR TYAGI			
DRAWN BY	DESIGN BY	CHECKED BY	APPROVED BY	ACCEPTED BY			

DETAIL DESIGN CONSULTANT:
LKT ENGINEERING CONSULTANTS LTD.
LKT HOUSE WZ-62, 63, 64 Ugrasain Market, Ashok Nagar, Near Tlak Nagar Police Station, New Delhi-110018
Phone : 011-455 65818
Email : info@lktengineering.com
Web : www.lktengineering.com

SYSTRA-AECOM-CEG
GC to NMRP,
1ST Floor, Zero Mile Metro Station,
Near Zero Miles Stone, Civil Lines,
Nagpur, 440001, Maharashtra.

ARCHITECTURE

REVISION NO:
REV.03



NOTES:

1. ALL DIMENSIONS ARE IN MM
2. ALL LEVELS IN METERS FROM MEAN SEA LEVEL UNLESS OTHERWISE MENTIONED
3. DIMENSIONS ARE NOT TO BE SCALED. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED
4. ALL DIMENSIONS ARE INDICATIVE AND ARE SUBJECT TO CHANGE DURING DETAILED DESIGN.
5. GRID DIMENSIONS FROM CENTER TO CENTER OF COLUMN

THE RESPONSIBILITY OF CONTROL, CHECK & VERIFICATION OF ACCURACY, CORRECTNESS, COMPLETENESS, INTEGRATION & FULL COMPLIANCE OF THE CONTRACT PROVISIONS IN RESPECT OF DESIGN, ANALYSIS AND DRAWINGS RESTS WITH THE DETAILED DESIGN CONSULTANT / DETAILED DESIGN CONSULTANT & CONTRACTOR.

THIS DRAWING INCLUDING ITS DESIGN AND DETAILING HAS BEEN **PROOF CHECKED** AND FOUND SUITABLE FOR THE EXECUTION PURPOSE AND IS RECOMMENDED FOR GFC / NO OBJECTION.

THIS DRAWING INCLUDING ITS DESIGN AND DETAILING HAS BEEN **PROOF CHECKED/REVIEWED** AND FOUND SUITABLE FOR THE EXECUTION PURPOSE AND ISSUED AS "GOOD FOR CONSTRUCTION/BEING GIVEN NO OBJECTION".

COUNTER SIGNED BY MAHARASHTRA METRO RAIL CORPORATION LTD.

PROJECT: **NAGPUR METRO RAIL PROJECT**
Metro Bhavan, Metro Landra, Opp. Ambedkar College, Nagpur - 440010 Maharashtra, India

CLIENT: MAHARASHTRA METRO RAIL CORPORATION LTD.

LOCATION: KHAIRI FATA STATION

TITLE: TERRACE LEVEL PLAN

SCALE: 1:300 **DATE:** 29.01.2024 **STATUS:** Conceptual design

DRG NO: NMRP-01-R02A-LKT-ST-04-KHRF-CP-TR-AR-1006

DDC		DDC		PROOF CONSULTANT		GENERAL CONSULTANT TO NMRP	
SIGN:	SIGN:	SIGN:	SIGN:	SIGN:	SIGN:	SIGN:	SIGN:
DATE: 29.01.2024	DATE: 29.01.2024	DATE: 29.01.2024	DATE: 29.01.2024	DATE: 29.01.2024	DATE:	DATE:	DATE:
NAME: INDU	NAME: POOJA LAKHCHAURA	NAME: JANNU TYAGI	NAME: JAVED SAROSH ZAIDI	NAME: LOKESH KUMAR TYAGI	NAME:	NAME:	NAME:
DRAWN BY	DESIGN BY	CHECKED BY	APPROVED BY	ACCEPTED BY			

DETAIL DESIGN CONSULTANT:

LKT ENGINEERING CONSULTANTS LTD.

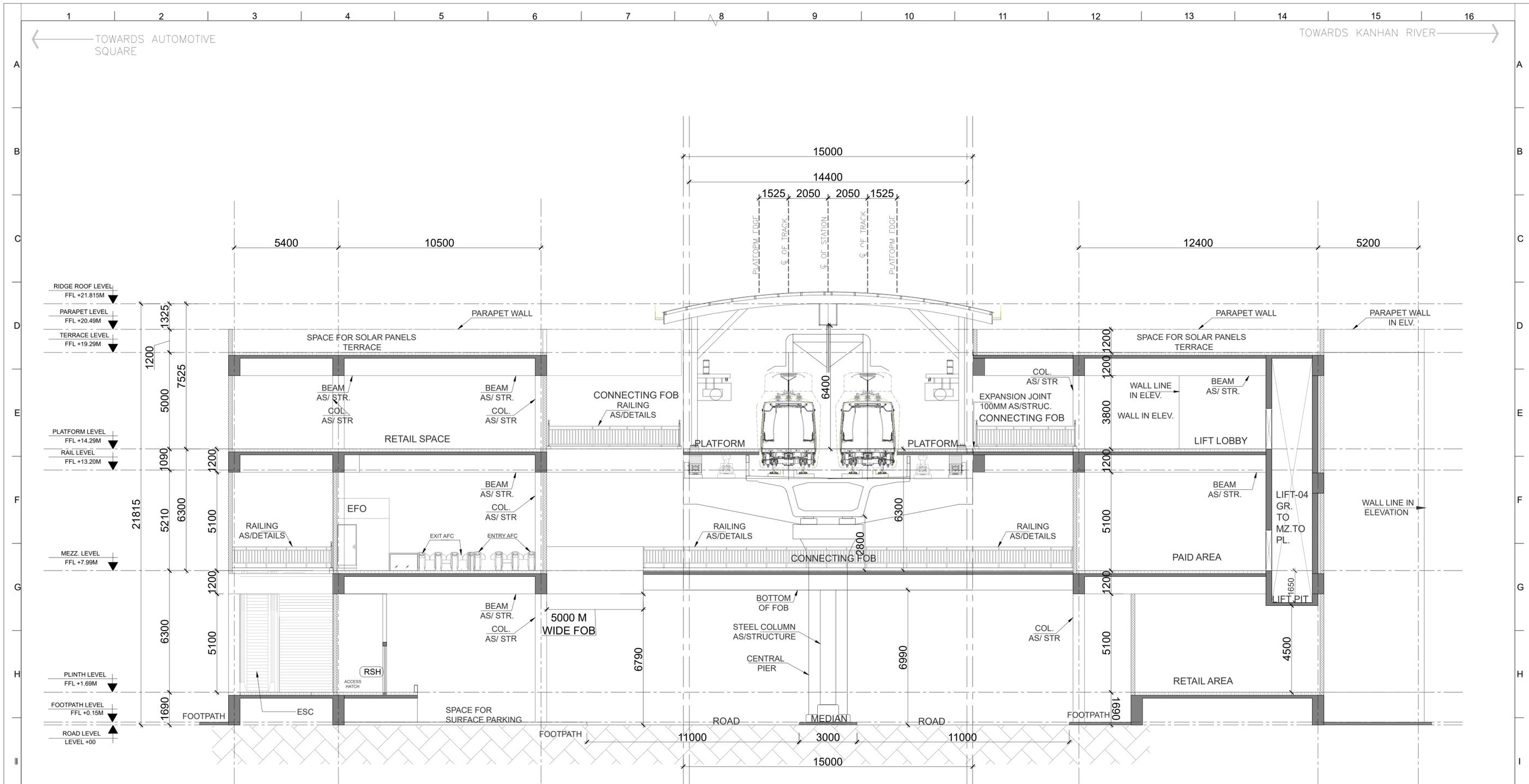
LKT HOUSE
WZ-62, 63, 64 Ugrasain Market,
Ashok Nagar, Near Tlak Nagar Police Station,
New Delhi-110018

Phone : 011-455 65818
Email : info@lktengineering.com
Web : www.lktengineering.com

SYSTRA-AECOM-CEG
GC to NMRP,
1ST Floor, Zero Mile Metro Station,
Near Zero Miles Stone, Civil Lines,
Nagpur, 440001, Maharashtra.

ARCHITECTURE

REVISION NO:
REV.03



CROSS SECTION

NOTES:
 1. ALL DIMENSIONS ARE IN MM
 2. ALL LEVELS IN METERS FROM MEAN SEA LEVEL UNLESS OTHERWISE MENTIONED
 3. DIMENSIONS ARE NOT TO BE SCALED. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED
 4. ALL DIMENSIONS ARE INDICATIVE AND ARE SUBJECT TO CHANGE DURING DETAILED DESIGN.
 5. GRID DIMENSIONS FROM CENTER TO CENTER OF COLUMN

THE RESPONSIBILITY OF CONTROL, CHECK & VERIFICATION OF ACCURACY, CORRECTNESS, COMPLETENESS, INTEGRATION & FULL COMPLIANCE OF THE CONTRACT PROVISIONS IN RESPECT OF DESIGN, ANALYSIS AND DRAWINGS RESTS WITH THE DETAILED DESIGN CONSULTANT / DETAILED DESIGN CONSULTANT & CONTRACTOR.

THIS DRAWING INCLUDING ITS DESIGN AND DETAILING HAS BEEN PROOF CHECKED AND FOUND SUITABLE FOR THE EXECUTION PURPOSE AND IS RECOMMENDED FOR GFC / NO OBJECTION.

THIS DRAWING INCLUDING ITS DESIGN AND DETAILING HAS BEEN PROOF CHECKED/REVIEWED AND FOUND SUITABLE FOR THE EXECUTION PURPOSE AND ISSUED AS 'GOOD FOR CONSTRUCTION'/BEING GIVEN NO OBJECTION.

COUNTER SIGNED BY MAHARASHTRA METRO RAIL CORPORATION LTD.

PROJECT: **NAGPUR METRO RAIL PROJECT**
 Metro Bhavan, Metro Landra, Opp. Ambedkar College, Nagpur - 440010
 Maharashtra, India

CLIENT: **MAHARASHTRA METRO RAIL CORPORATION LTD.**

LOCATION: **KHAIRI FATA STATION**

TITLE: **CROSS SECTION**

SCALE: 1:300 DATE: 29.01.2024 STATUS: Conceptual design

DRG NO: **NMRP-01-R02A-LKT-ST-04-KHRF-CP-CS-AR-1007**

DDC		DDC		PROOF CONSULTANT		GENERAL CONSULTANT TO NMRP	
SIGN:	SIGN:	SIGN:	SIGN:	SIGN:	SIGN:	SIGN:	SIGN:
DATE: 29.01.2024	DATE: 29.01.2024	DATE: 29.01.2024	DATE: 29.01.2024	DATE: 29.01.2024	DATE:	DATE:	DATE:
NAME: INDU	NAME: Pooja LAKHCHAURA	NAME: JANNU TYAGI	NAME: JAVED SAROSH ZAIDI	NAME: LOKESH KUMAR TYAGI	NAME:	NAME:	NAME:
DRAWN BY	DESIGN BY	CHECKED BY	APPROVED BY	ACCEPTED BY	NAME:	NAME:	NAME:

DETAIL DESIGN CONSULTANT:
 **LKT ENGINEERING CONSULTANTS LTD.**
 LKT HOUSE
 WZ-62, 63, 64 Ugrasain Market,
 Ashok Nagar, Near Tiliak Nagar Police Station,
 New Delhi-110018
 Phone : 011-455 65818
 Email : info@lktengineering.com
 Web : www.lktengineering.com

PROOF CONSULTANT

SYSTRA-AECOM-CEG
 GC to NMRP,
 1ST Floor, Zero Mile Metro Station,
 Near Zero Miles Stone, Civil Lines,
 Nagpur,440001. Maharashtra.

REVISION NO.	DATE	DESCRIPTION	REMARKS
REV.03	29.01.2024	Concept Plan: Change in Land Parcel vide mail dated 17.01.2024	
REV.02	08.01.2024	Concept Plan: Change in Land Parcel vide mail dated 05.01.2024	
REV.01	21.12.2023	Concept Plan: Change in Land Parcel vide mail dated 01.12.2023	
REV.0	16.11.2023	Concept Plan Ref. As/ Alignment & Land Profile received via mail dated 18.09.2023	

ARCHITECTURE



REVISION NO: **REV.03**

MAHARASHTRA METRO RAIL CORPORATION LIMITED (MAHA-METRO)

NAGPUR METRO RAIL PROJECT-PHASE-II

**DESIGN, SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF RECEIVING CUM
AUXILIARY MAIN CUM TRACTION SUB STATIONS INCLUDING EHV CONNECTION
FROM GRID SUBSTATION, 33 KV CABLE NETWORK, ASS & SCADA SYSTEM FOR
NAGPUR METRO RAIL PHASE-II PROJECT**

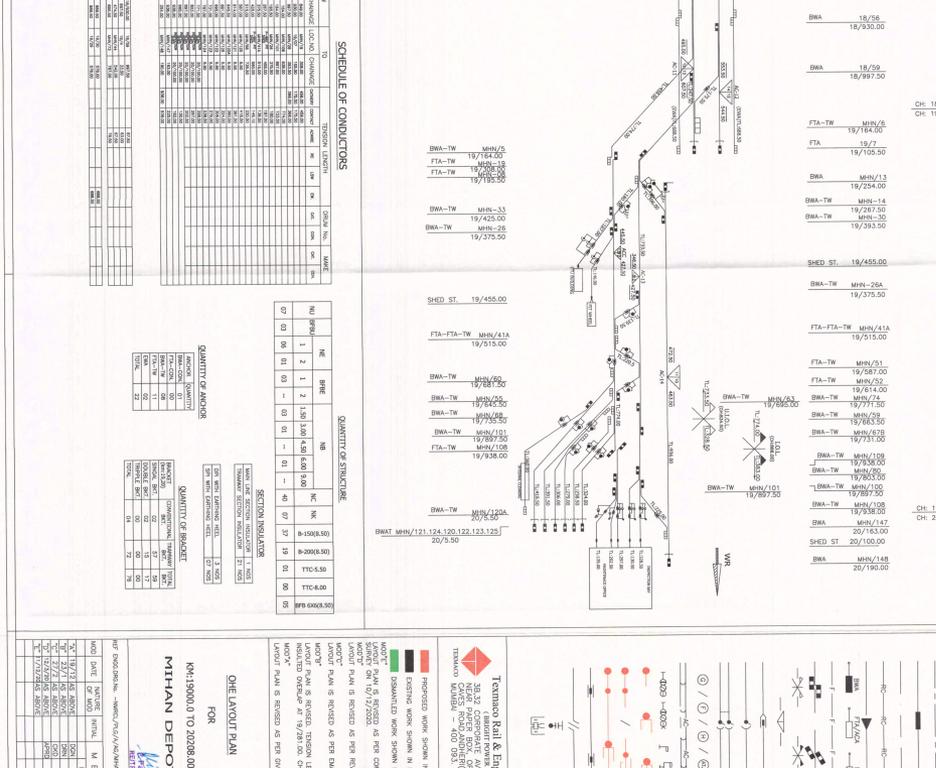
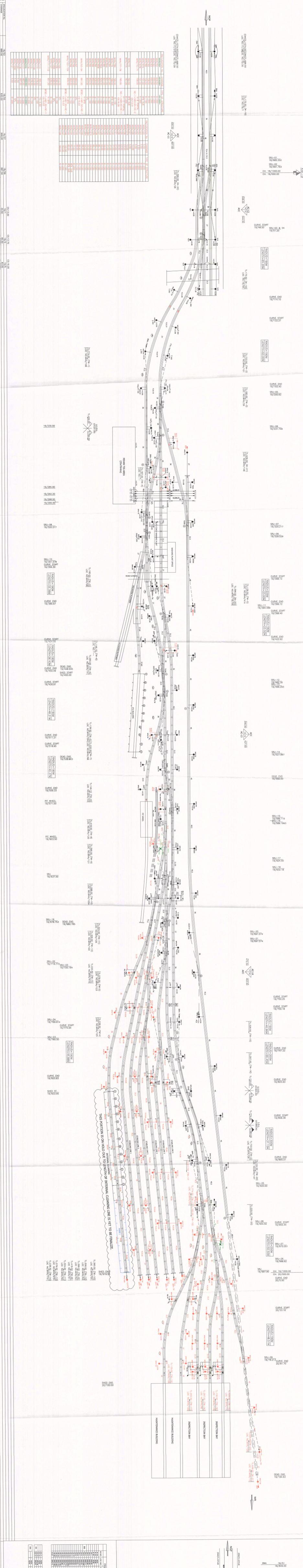
**CONTRACT NO.
N2-031/TR-03/2023**

**PART 2: WORKS REQUIREMENTS
SECTION VI-C: TENDER DRAWINGS**

Existing Mihan & Hingna depot LOP

Table with columns: Station, Description, Date, Status, etc.

Table with columns: Station, Description, Date, Status, etc.



SCHEDULE OF CONDITIONS

NO.	ITEM	UNIT	QUANTITY	UNIT PRICE	TOTAL AMOUNT
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50

QUANTITY OF MATERIAL

NO.	ITEM	UNIT	QUANTITY
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50

QUANTITY OF REBAR

NO.	ITEM	UNIT	QUANTITY
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50

LEGEND

- TRACK TO BE BUILT WITH CONVENTIONAL CURVE
- TRACK TO BE BUILT WITH STRAIGHT TYPE ONE
- UNBUILT TRACKS
- EDGE OF RAIL OR WITH CUR-IN INSULATOR
- ACCEPTED MEET 197/25 BALANCED STEEL WIRE
- RETAIN CONCRETE SHOULDER (SHOWN WITH)
- ANCHOR TIE
- 25MM TIE ROD
- UNRAILINGS / INSULATED OVERLAP (SHOWN WITH)
- ANCHOR ORNER
- SECTION VIEWPOINT
- 25MM RAIL POLE EQUATION
- ADJUSTERS
- WAGON JARVIS
- COOL UP / DOWN TRACKS
- BRIDGE/ROADWAY
- TRUCK CARRIER WITH HIGH DIMENSION
- FEEDER WITH DIMENSION
- PILE METAL SECTION
- NETWORK SECTION OVERHEAD WIRE
- ANCHOR TIE
- BROOKS TRANSFORMER

38.33 Clearspan Bridge over the Rail Line
M2000/1200
DATE: 16/02/2008

TEKNO RAIL & ENGINEERING LTD.
38.33 Clearspan Bridge over the Rail Line
M2000/1200
DATE: 16/02/2008

38.33 Clearspan Bridge over the Rail Line
M2000/1200
DATE: 16/02/2008

38.33 Clearspan Bridge over the Rail Line
M2000/1200
DATE: 16/02/2008

MIHAN DEPOT
FOR TRACKS AND SIGNALLING
38.33 Clearspan Bridge over the Rail Line
M2000/1200
DATE: 16/02/2008

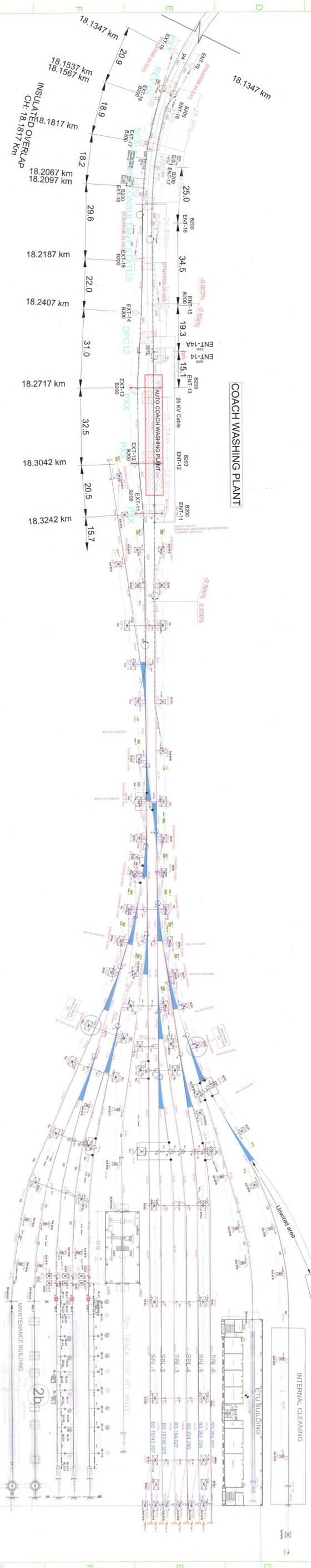
S.No	Loc.No. from	Type of Anchor	Loc.No. To	Type of Anchor	Conductor Length	TYPE
1	1001 (BL-1)	BEAM/ANG	1029	BVA-T	145.00	TRAWWAY
2	1002 (BL-2)	BEAM/ANG	EX-T06	BVA-T	255.00	TRAWWAY
3	1003 (BL-3)	BEAM/ANG	EX-T07	BVA-T	163.00	TRAWWAY
4	1004 (BL-3)	BEAM/ANG	EX-T08	BVA-T	203.00	TRAWWAY
5	1005 (BL-2)	BEAM/ANG	EX-T09	BVA-T	180.00	TRAWWAY
6	1018A (PT Wheel)	BEAM/ANG	EX-T05	BVA-T	175.00	TRAWWAY
7	2001 (SBL-8)	FTA	EX-T10	BVA-T	265.00	TRAWWAY
8	2002 (SBL-5)	FTA	EX-T13	BVA-T	290.00	TRAWWAY
9	2003 (SBL-4)	FTA	EX-T10	BVA-T	290.00	TRAWWAY
10	2004 (SBL-3)	FTA	EX-T09	BVA-T	285.00	CONVENTIONAL
11	ENT-19	BVA	EX-T07	BVA-T	497.00	CONVENTIONAL
12	2005 (SBL-2)	BVA	EX-T07	BVA-T	497.00	TRAWWAY
13	2006 (SBL-1)	FTA	SN-3	BVA-T	421.00	TRAWWAY
14	2011 (ETU)	BEAM/ANG	EX-T02	BVA-T	180.00	TRAWWAY
15	3001 (CCL)	FTA	EX-T10	BVA-T	250.00	TRAWWAY
16	3001 (CCL)	FTA	EX-T10	BVA-T	150.00	TRAWWAY
17	ENT-02	FTA	Total	Total	4.19	TRAWWAY

S.No	Loc. NO From	Type of Anchore	Loc. No. To	Type of Anchore	Conductor Length	TYPE
1	1019	N.A	1019	N.A	65.00	SLACK FEEDER
2	1015A	N.A	1020	N.A	75.00	SLACK FEEDER
3	1022	N.A	1013	N.A	20.00	SLACK FEEDER
4	1023	N.A	SN-3	OPCA	280.00	OPCA
5	1018A	BEAM/ANG	1029	OPCA	105.00	OPCA
6	2001	FTA-T	2016	OPCA	150.00	OPCA
7	2006	FTA-T	2017	OPCA	100.00	OPCA
8	2015A	N.A	2019A	OPCA	150.00	OPCA
9	3001	FTA-T	3007	OPCA	150.00	OPCA
10	3007	FTA-T	ENT-19	BVA-T	260.00	OPCA
11	EX-T09	OPCA	EX-T19	OPCA	260.00	OPCA
12	EX-T09	OPCA	ENT-19	OPCA	55.00	OPCA
13	1022	OPCA	2023	OPCA	40.00	SLACK FEEDER
14	2019A	N.A	2015A	N.A	75.00	SLACK FEEDER
15	SN-1	BVA-T	SN-2	N.A	50.00	SLACK FEEDER
Total	Total	Total	Total	Total	2055.00	SLACK FEEDER

BM-271	ENT-17A	Entry Line
BM-272	ENT-16A	Exit Line
Up Line FP	-1809 A	For Main Up line
EXT Line FP	EXT-17A	For Main DNL line
Depot FP-1	3009	Depot
Depot FP-2	1028	Depot

Type of Cantilever	SB	DB	TB	Total
Total	90	41	5	137

Motor Support	Without Motor Support	Suspension Girder
12	15	3



Sr.No.	DESCRIPTION	SYMBOLS
1	CONVENTIONAL ONE	[Symbol]
2	TRAWWAY TYPE ONE	[Symbol]
3	NORMAL MAST WITH CANTILEVER ASSEMBLY	[Symbol]
4	TWO TRACK CANTILEVER WITH DISPLAY	[Symbol]
5	PORTAL WITH DISPLAY	[Symbol]
6	ANCHOR TERMINATION	[Symbol]
7	SECTION INSULATOR	[Symbol]
8	SINGLE POLE ISOLATOR (SHEMATIC)	[Symbol]
9	MOTORISED ISOLATOR (DOUBLE POLE)	[Symbol]
10	UNIMATED TRACK	[Symbol]
11	JUMPER	[Symbol]
12	OPC	[Symbol]
13	INTERURPER	[Symbol]
14	VOLAGE POTENTIAL TRANSFORMER	[Symbol]
15	SPRING TYPE AFD	[Symbol]
16	FIXED TERMINATION	[Symbol]
17	BEAM ANCHOR OPC	[Symbol]
18	BEAM ANCHOR CHE	[Symbol]
16	CUT IN INSULATOR	[Symbol]
17	RAIL TRACK	[Symbol]
18	SCISSORS CROSSING	[Symbol]

Sr.No.	DESCRIPTION	TYPE	Loc. No.	Loc. No.
1	ENT-01	BRU	ENT-01	B-200(17.7)
2	ENT-02	BRU	ENT-02	B-200(17.7)
3	ENT-03	NU	ENT-03	B-200(17.7)
4	ENT-04	NU	ENT-04	B-200(17.7)
5	ENT-05	NU	ENT-05	B-200(17.7)
6	ENT-06	NU	ENT-06	B-200(17.7)
7	ENT-07	TTU (9.50)	ENT-07	B-200(17.7)
8	ENT-08	NU	ENT-08	B-200(17.7)
9	ENT-09	TTU (9.50)	ENT-09	B-200(17.7)
10	ENT-10	NU	ENT-10	B-200(17.7)
11	ENT-11	NU	ENT-11	B-200(17.7)
12	ENT-12	NU	ENT-12	B-200(17.7)
13	ENT-13	NU	ENT-13	B-200(17.7)
14	ENT-14	NU	ENT-14	B-200(17.7)
15	ENT-15	NU	ENT-15	B-200(17.7)
16	ENT-16	NU	ENT-16	B-200(17.7)
17	ENT-17	NU	ENT-17	B-200(17.7)
18	ENT-18	NU	ENT-18	B-200(17.7)
19	ENT-19	NU	ENT-19	B-200(17.7)
20	ENT-20	NU	ENT-20	B-200(17.7)

Sr.No.	DESCRIPTION	TYPE	Loc. No.	Loc. No.
1001	Beam Anchor	B-200	1001	8x8 BRB (8.50)
1002	Beam Anchor	B-200	1002	8x8 BRB (8.50)
1003	Beam Anchor	B-200	1003	8x8 BRB (8.50)
1004	Beam Anchor	B-200	1004	8x8 BRB (8.50)
1005	Beam Anchor	B-200	1005	8x8 BRB (8.50)
1006	Beam Anchor	B-200	1006	8x8 BRB (8.50)
1007	Beam Anchor	B-200	1007	8x8 BRB (8.50)
1008	Beam Anchor	B-200	1008	8x8 BRB (8.50)
1009	Beam Anchor	B-200	1009	8x8 BRB (8.50)
1010	Beam Anchor	B-200	1010	8x8 BRB (8.50)
1011	Beam Anchor	B-200	1011	8x8 BRB (8.50)
1012	Beam Anchor	B-200	1012	8x8 BRB (8.50)
1013	Beam Anchor	B-200	1013	8x8 BRB (8.50)
1014	Beam Anchor	B-200	1014	8x8 BRB (8.50)
1015	Beam Anchor	B-200	1015	8x8 BRB (8.50)
1016	Beam Anchor	B-200	1016	8x8 BRB (8.50)
1017	Beam Anchor	B-200	1017	8x8 BRB (8.50)
1018	Beam Anchor	B-200	1018	8x8 BRB (8.50)
1019	Beam Anchor	B-200	1019	8x8 BRB (8.50)
1020	Beam Anchor	B-200	1020	8x8 BRB (8.50)
1021	Beam Anchor	B-200	1021	8x8 BRB (8.50)
1022	Beam Anchor	B-200	1022	8x8 BRB (8.50)
1023	Beam Anchor	B-200	1023	8x8 BRB (8.50)
1024	Beam Anchor	B-200	1024	8x8 BRB (8.50)
1025	Beam Anchor	B-200	1025	8x8 BRB (8.50)
1026	Beam Anchor	B-200	1026	8x8 BRB (8.50)
1027	Beam Anchor	B-200	1027	8x8 BRB (8.50)
1028	Beam Anchor	B-200	1028	8x8 BRB (8.50)
1029	Beam Anchor	B-200	1029	8x8 BRB (8.50)

Mast Type	Quantity
B-200	41
NU	34
TTU	16
OPC	2
FTA	3
Total	111

Location	Quantity
3008	1
2015A(SBL-5)	1
2019A(SBL-1)	1
2020(SBL-3)	1
2021(SBL-2)	1
2022(SBL-2)	1
1011(BL-3)	1
1008(BL-2)	1
1007(BL-2)	1
1009(BL-1)	1
1005(BL-1)	1
1006(BL-1)	1
1004(BL-2)	1
1002(BL-2)	1
1001(BL-3)	1
ENT-3	1
ENT-5 DA	1
ENT-11	1
ENT-14	1
ENT-14	1
Grand Total	22

Location	Type of Isolator
ENT-12A	SF- Manual
ENT-11	SF- Manual
ENT-05	SF- Manual
ENT-02	SF- Manual
2021(SBL-2)	SF- Manual
2022(SBL-2)	SF- Manual
1009(BL-1)	SF- Manual
1006(BL-1)	SF- Manual
1005(BL-1)	SF- Manual
1004(BL-2)	SF- Manual
1002(BL-2)	SF- Manual
1001(BL-3)	SF- Manual
ENT-3	SF- Manual
ENT-5 DA	SF- Manual
ENT-11	SF- Manual
ENT-14	SF- Manual
ENT-14	SF- Manual
ENT-14A	SF- Manual

Location	Type of Isolator
1020(BL-1)	OP- Motorised
1021(BL-2)	OP- Motorised
1022(BL-2)	OP- Motorised
1023(BL-3)	OP- Motorised
ENT-14A	OP- Motorised

Z04	09.05.2023 Revision as per GC Comment
Z03	20.03.2023 Third submission
Z02	27.02.2023 Second submission
Z01	12.01.2023 First submission

REV NO	DATE	DESCRIPTION	SIGN

DDC / CONTRACTOR	PROOF CONSULTANT
SIGN: [Signature] DATE: 09.05.2023 NAME: Sneha Kumari	SIGN: [Signature] DATE: 09.05.2023 NAME: K. Sudhanshu
SIGN: [Signature] DATE: 09.05.2023 NAME: Sobhal Adhikari	SIGN: [Signature] DATE: 09.05.2023 NAME: K. Sudhanshu
SIGN: [Signature] DATE: 09.05.2023 NAME: B.K.Jain	SIGN: [Signature] DATE: 09.05.2023 NAME: K. Sudhanshu

GENERAL CONSULTANT TO NMRC	NMRC
SIGN: [Signature] DATE: [Date] NAME: P. Palival	SIGN: [Signature] DATE: [Date] NAME: Ashish Kulkarni

PROJECT: NAGPUR METRO RAIL PROJECT
CLIENT: MAHARASHTRA METRO RAIL CORPORATION LTD.
LOCATION: Hingna Depot LOP
TITLE: Hingna Depot Layout Plan
SCALE: DRG NO.: PWB03-SIL-TO-TRA-HIG-DRP-1001
DATE: 09.05.2023
STATUS: STATUS
REVISION NO.: 01/01
REV-04

As-Built

SIEMENS

APPLIED

PROOFCONSULTANT

SYSTRA-AECOM-EGIS-RITES

NAGPUR METRO

MAHARASHTRA METRO RAIL CORPORATION LIMITED (MAHA-METRO)

NAGPUR METRO RAIL PROJECT-PHASE-II

**DESIGN, SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF RECEIVING CUM
AUXILIARY MAIN CUM TRACTION SUB STATIONS INCLUDING EHV CONNECTION
FROM GRID SUBSTATION, 33 KV CABLE NETWORK, ASS & SCADA SYSTEM FOR
NAGPUR METRO RAIL PHASE-II PROJECT**

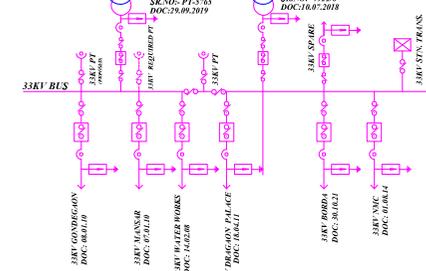
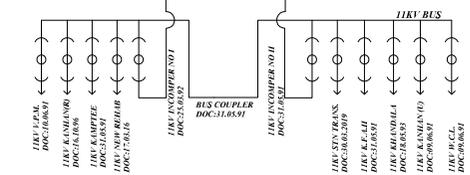
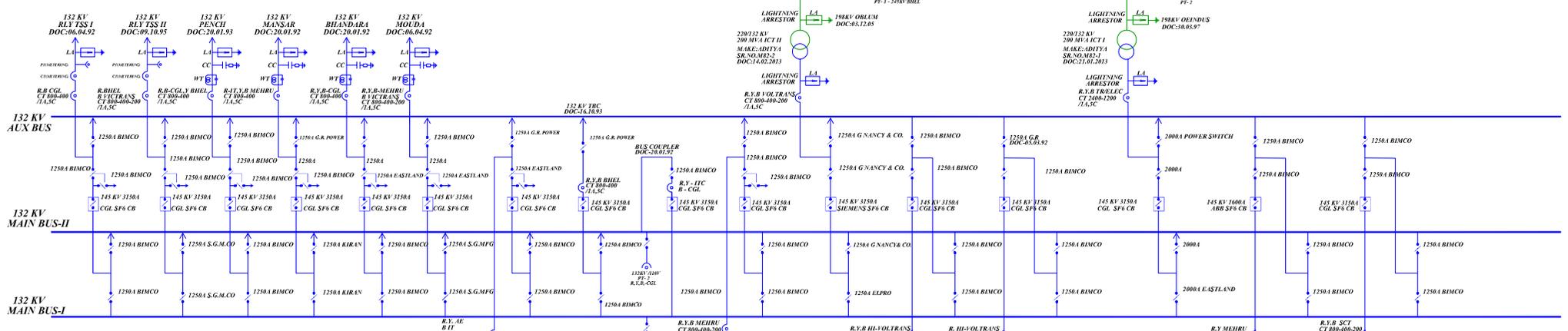
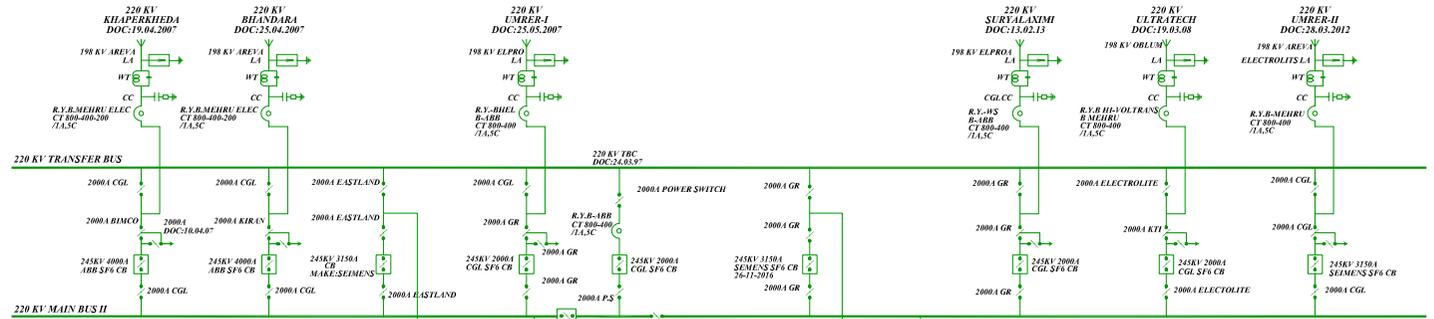
**CONTRACT NO.
N2-031/TR-03/2023**

**PART 2: WORKS REQUIREMENTS
SECTION VI-C: TENDER DRAWINGS**

Kanhan Existing Grid Substation SLD



220KV SUB STATION KANHAN SINGLE LINE DIAGRAM



INDEX		SINGLE LINE DIAGRAM	
220KV	132KV	33KV	11KV
EHV (O&M) DIVISION, MSETCL, NGP			
L.A	ISO	CB	PT
C.C	ISO	CB	PT
C.T	ISO	CB	PT
C.B	ISO	CB	PT
ISO	WES	ISO	WES
ISO	P.T	ISO	P.T
TITLE		220KV KANHAN SUB-STATION	
D.O.C. : 01/04/1988		Date : 13/12/2022	
DRAWING NUMBER	220KV-KANHAN-SLD	Revision	01
Sheet	1	Page	1

MAHARASHTRA METRO RAIL CORPORATION LIMITED (MAHA-METRO)

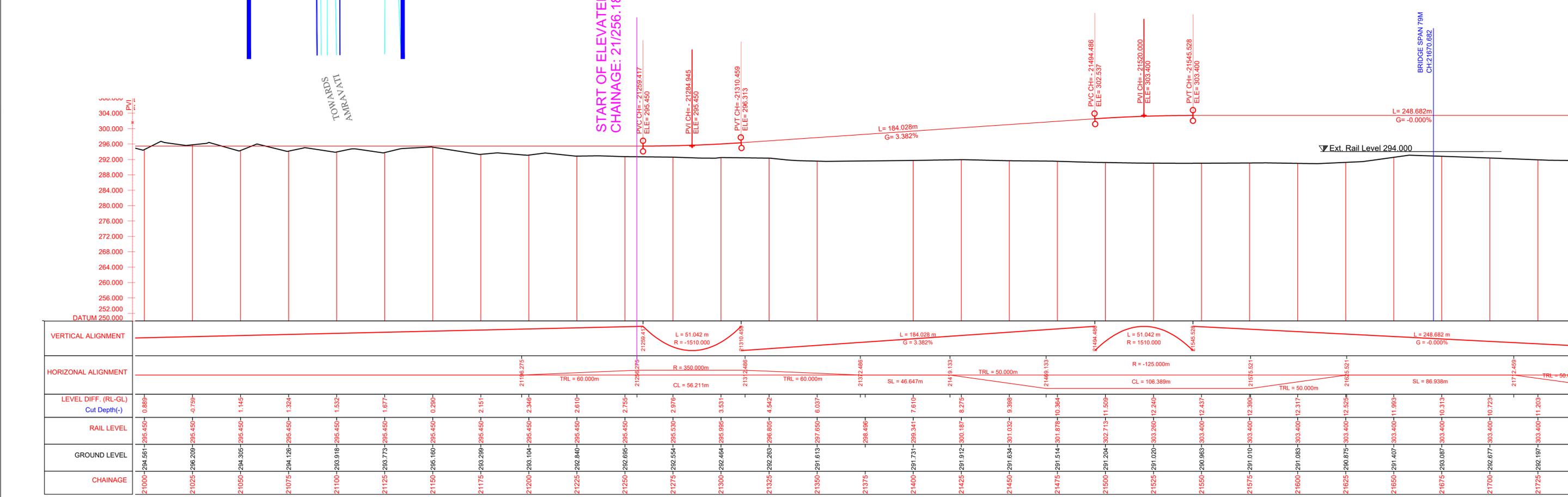
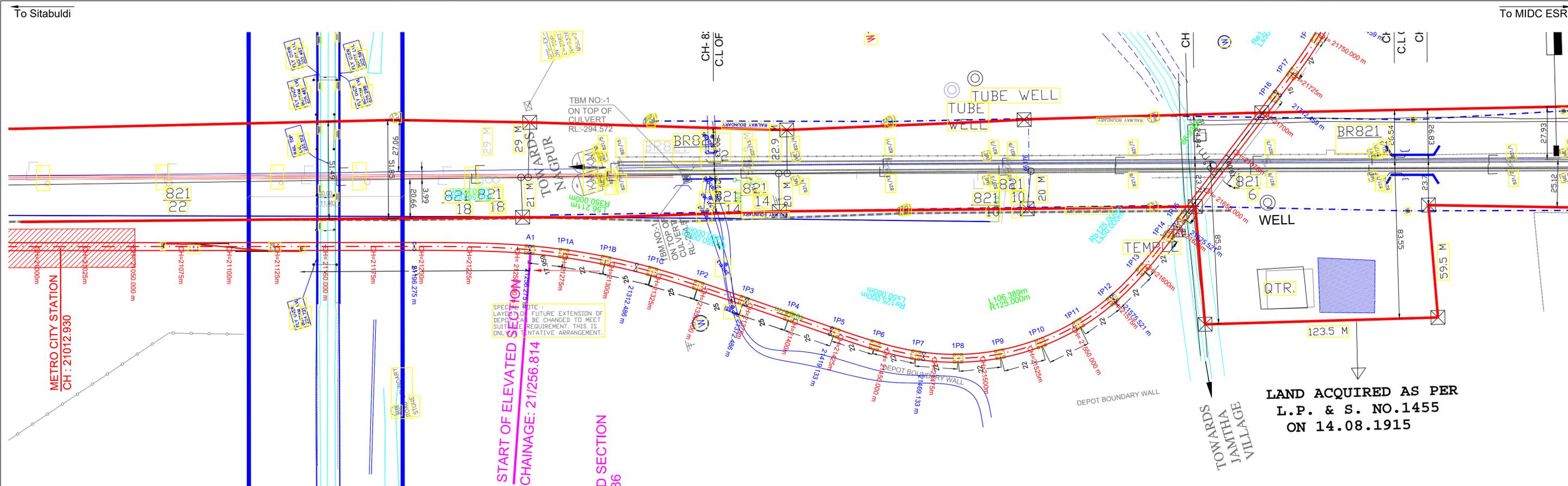
NAGPUR METRO RAIL PROJECT-PHASE-II

**DESIGN, SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF RECEIVING CUM
AUXILIARY MAIN CUM TRACTION SUB STATIONS INCLUDING EHV CONNECTION
FROM GRID SUBSTATION, 33 KV CABLE NETWORK, ASS & SCADA SYSTEM FOR
NAGPUR METRO RAIL PHASE-II PROJECT**

**CONTRACT NO.
N2-031/TR-03/2023**

**PART 2: WORKS REQUIREMENTS
SECTION VI-C: TENDER DRAWINGS**

Ph-2 Tentative GAD



CHAINAGE	GROUND LEVEL	RAIL LEVEL	LEVEL DIFF. (RL-GL) Cut Depth(-)	HORIZONTAL ALIGNMENT	VERTICAL ALIGNMENT
21000	284.561	295.450	0.889		
21025	286.209	295.450	0.759		
21050	284.305	295.450	1.145		
21075	284.128	295.450	1.324		
21100	283.918	295.450	1.532		
21125	283.773	295.450	1.677		
21150	285.160	295.450	0.290		
21175	283.299	295.450	2.151		
21200	283.104	295.450	2.346		
21225	282.840	295.450	2.610		
21250	282.695	295.450	2.755		
21275	282.554	295.530	2.976		
21300	282.464	295.995	3.531		
21325	282.263	296.805	4.542		
21350	281.613	297.650	6.037		
21375		298.496			
21400	281.731	299.341	7.610		
21425	281.912	300.187	8.275		
21450	281.634	301.032	9.398		
21475	281.514	301.879	10.364		
21500	281.204	302.719	11.509		
21525	281.020	303.260	12.240		
21550	280.963	303.400	12.437		
21575	281.010	303.400	12.390		
21600	281.083	303.400	12.317		
21625	280.875	303.400	12.525		
21650	281.407	303.400	11.993		
21675	283.087	303.400	10.313		
21700	282.877	303.400	10.723		
21725	282.197	303.400	11.203		

ELEVATED SECTION

- ROW
- C.L. OF TRACK
- C.L. OF VIADUCT
- C.L. OF TRACK
- ROW

Note: -

- The drawings are based on the data available with Maha-Metro and are for reference purpose only. The bidder should verify the site on his own before submitting the bid.
- Vertical profile as indicated in this tender drawing is based on GL/Road Level as surveyed during preparation of DPR in 2018. Maha-Metro Doesn't own any responsibility for the accuracy of the same. Contractor will have to ascertain its final value and maintain the requisite minimum vertical clearance of 5.5m from flyover Road top level in consonance with provision of IRC: 86-2018. Also, at the remaining location, contractor shall maintain minimum vertical clearance of 5.8m from the existing road level.
- GAD furnished contains tentative span configuration proposed by the employer. However, Contractor shall put forward proposed span configuration before execution. Prior approval of Employer as specified in the bid document is required.
- The flyover details shown in blue colour in the L-section is tentative and may subject to change as per the execution drawing received from NHA/PWD.



MAHARASHTRA METRO RAIL CORPORATION LIMITED
METRO BHAVAN, INFRONT OF DR. BABASAHEB AMBEDKAR COLLEGE, DEEKSHABHOOMI, NAGPUR - 440010

Project Name: **NAGPUR METRO RAIL PROJECT PHASE-II**

TITLE: **PLAN & PROFILE OF REACH 1A (Elevated Section) (FOR TENDER PURPOSE ONLY)**

DWG NO. **MM/Pig/NIT/NGP PH-II/1A/R/2023**

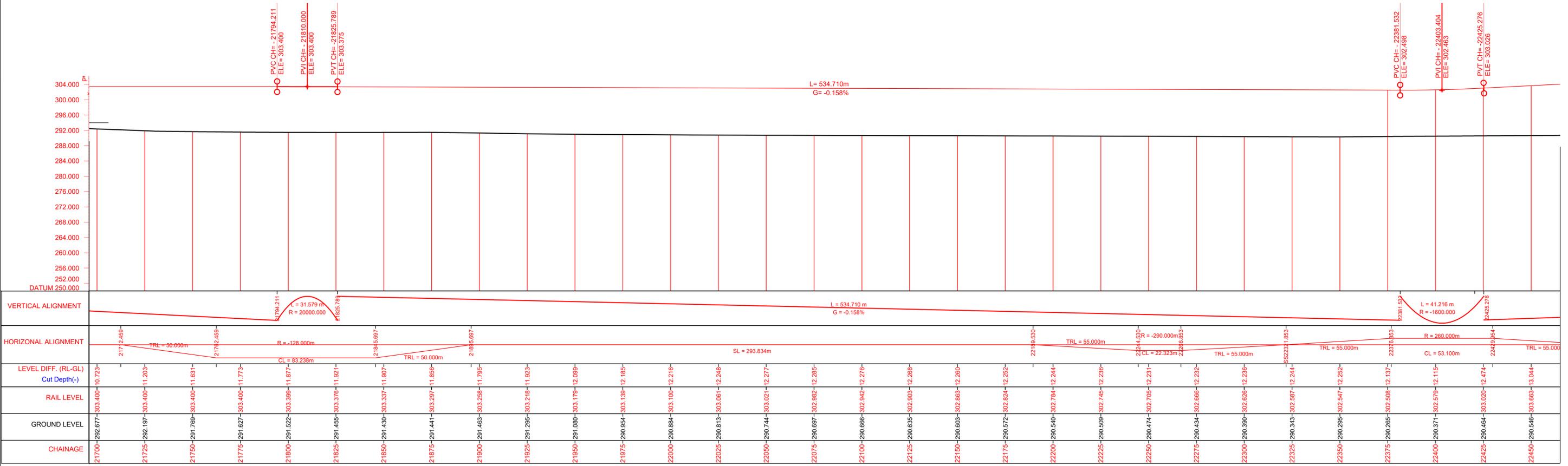
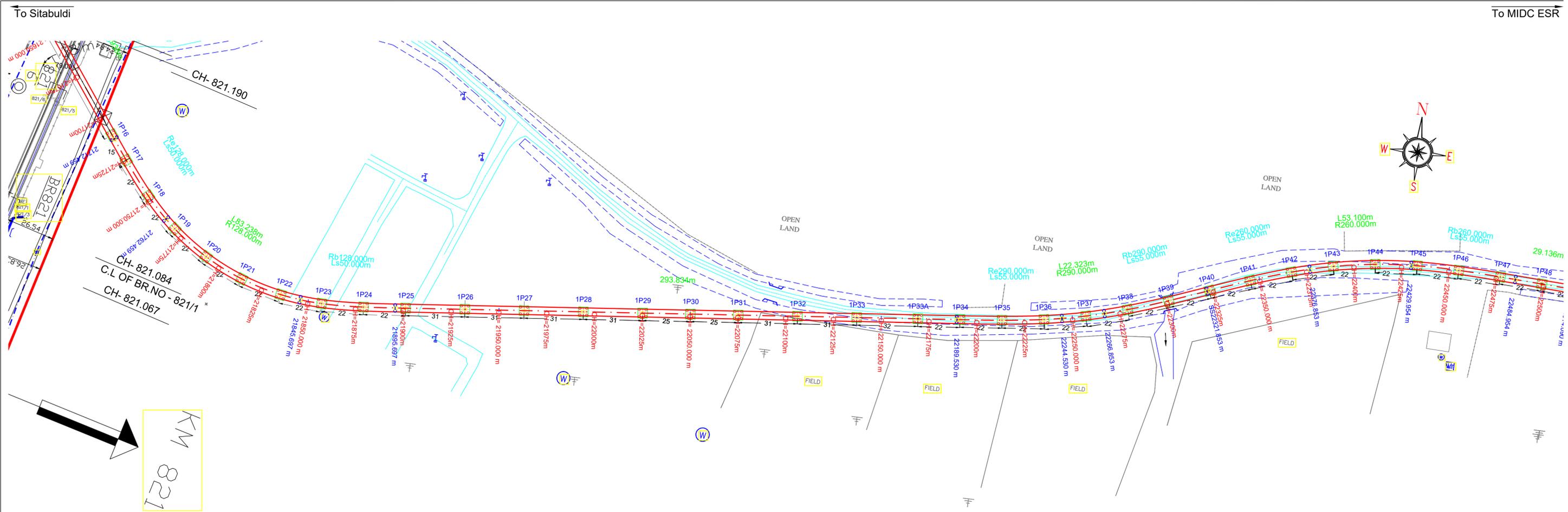
Updated Month: **December 2023**

Scale: **H=1:1000 V=1:500** A1

Revision No. **01** Revision date **29/12/2023**

START OF ELEVATED SECTION TO MIDC ESR (CORRIDOR 1A)

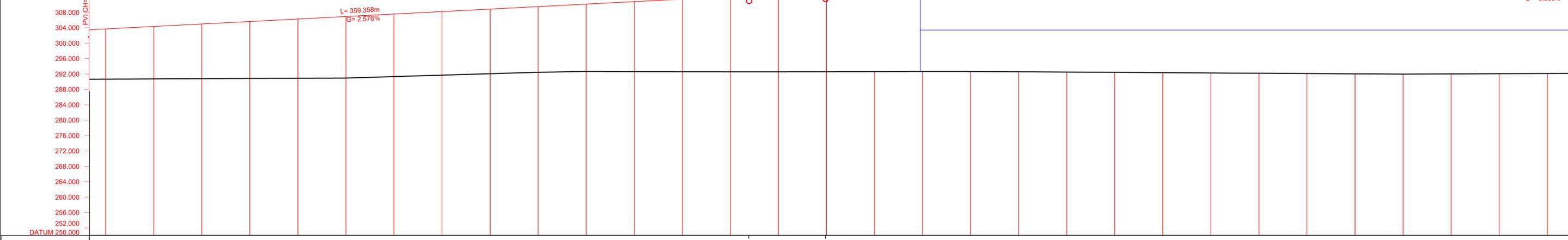
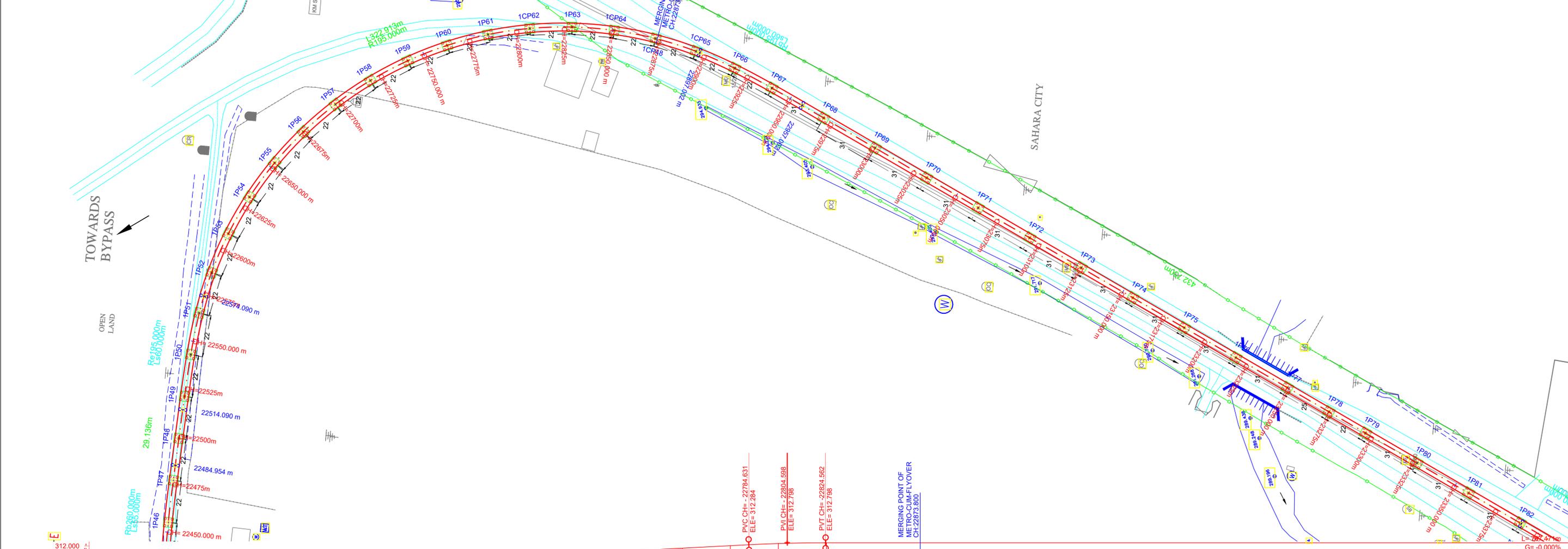
SHEET NO.: **01 OF 25**



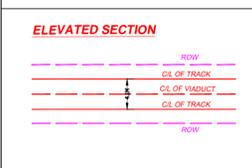
<p>ELEVATED SECTION</p> <p>--- ROW</p> <p>--- C/L OF TRACK</p> <p>--- C/L OF VIADUCT</p> <p>--- C/L OF TRACK</p> <p>--- ROW</p>	<p>Note: -</p> <p>1. The drawings are based on the data available with Maha-Metro and are for reference purpose only. The bidder should verify the site on his own before submitting the bid.</p> <p>2. Vertical profile as indicated in this tender drawing is based on GL/Road Level as surveyed during preparation of DPR in 2018. Maha-Metro Doesn't own any responsibility for the accuracy of the same. Contractor will have to ascertain its final value and maintain the requisite minimum vertical clearance of 5.5m from flyover Road top level in consonance with provision of IRC: 86-2018. Also, at the remaining location, contractor shall maintain minimum vertical clearance of 5.8m from the existing road level.</p> <p>3. GAD furnished contains tentative span configuration proposed by the employer. However, Contractor shall put forward proposed span configuration before execution. Prior approval of Employer as specified in the bid document is required.</p> <p>4. The flyover details shown in blue colour in the L-section is tentative and may subject to change as per the execution drawing received from NHA/PWD.</p>	<p>MAHARASHTRA METRO RAIL CORPORATION LIMITED METRO BHAVAN, INFRONT OF DR. BABASAHEB AMBEDKAR COLLEGE, DEEKSHABHOOMI, NAGPUR - 440010</p>	<p>Project Name: NAGPUR METRO RAIL PROJECT PHASE-II</p>	
			<p>TITLE: PLAN & PROFILE OF REACH 1A (Elevated Section) (FOR TENDER PURPOSE ONLY)</p>	<p>Updated Month: December 2023</p>
<p>DWG NO. MM/Pig/NIT/NGP PH-II/1A/R1/2023</p>		<p>Scale: $H=1:1000$ $V=1:500$ A1</p>	<p>Revision No. 01</p>	<p>Revision date 29/12/2023</p>
<p>START OF ELEVATED SECTION TO MIDC ESR (CORRIDOR 1A)</p>		<p>SHEET NO.: 02 OF 25</p>		

To Sitabuldi

To MIDC ESR



VERTICAL ALIGNMENT	HORIZONTAL ALIGNMENT	LEVEL DIFF. (RL-GL) Cut Depth(-)	RAIL LEVEL	GROUND LEVEL	CHAINAGE
	TRL = 55.000m	13.044	303.863	280.819	22450
	SL = 29.136m	13.621	304.307	280.619	22475
	TRL = 60.000m	14.201	304.951	280.686	22500
		14.790	305.595	280.751	22525
		15.395	306.239	280.805	22550
		16.246	307.527	280.908	22600
		16.515	308.171	281.281	22625
		16.785	308.815	281.696	22650
		17.057	309.409	282.030	22675
		17.466	310.024	282.392	22700
	CL = 322.913m	18.163	310.698	282.637	22725
		18.841	311.342	282.585	22750
		19.504	311.986	282.550	22775
		20.069	312.600	282.532	22800
		20.250	312.798	282.532	22825
		20.249	312.798	282.549	22850
		20.215	312.798	282.583	22875
		20.165	312.798	282.633	22900
	TRL = 60.000m	20.181	312.798	282.617	22925
		20.259	312.798	282.539	22950
		20.336	312.798	282.462	22975
		20.412	312.798	282.388	23000
		20.489	312.798	282.309	23025
		20.566	312.798	282.232	23050
		20.642	312.798	282.156	23075
		20.719	312.798	282.079	23100
		20.795	312.798	282.003	23125
		20.868	312.798	281.930	23150
		20.818	312.798	281.980	23175
		20.766	312.798	282.032	23200

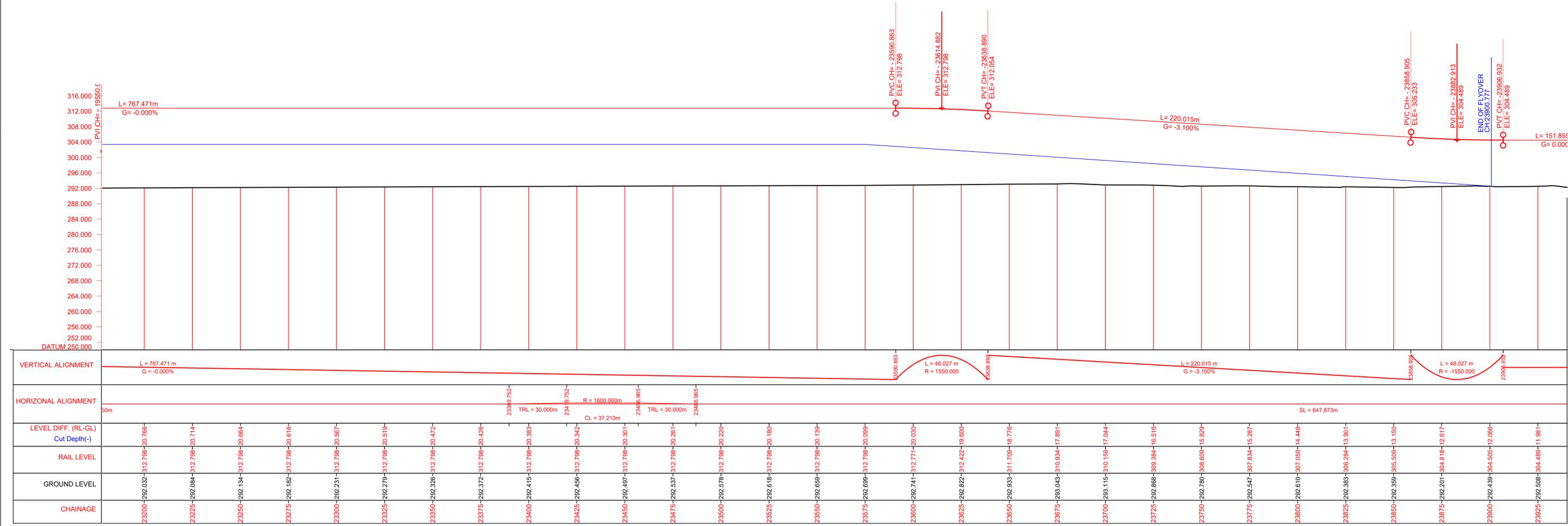
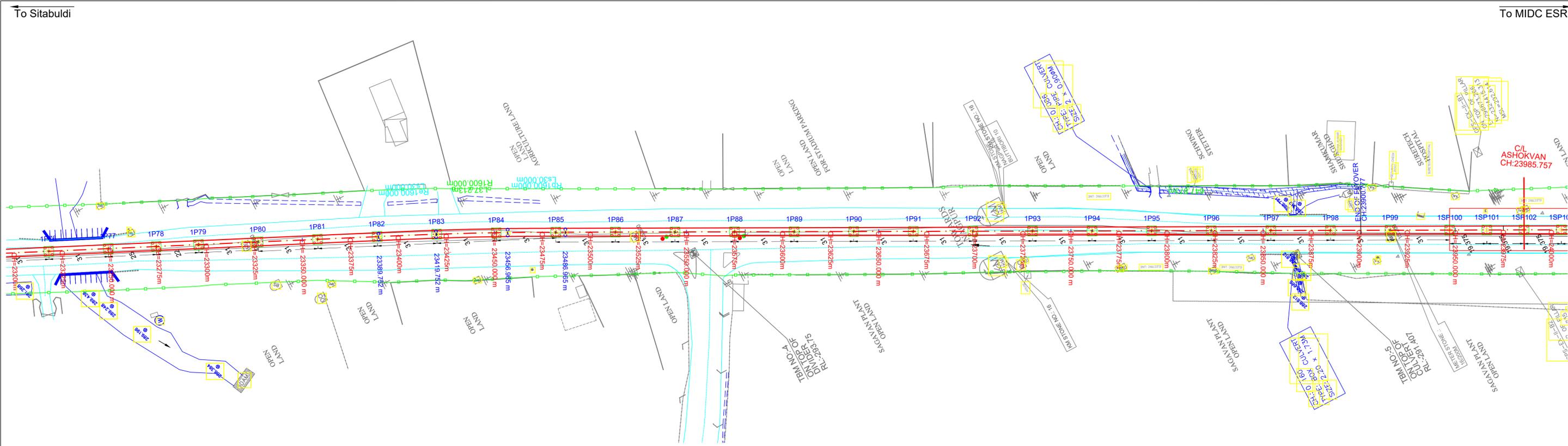


Note: -

- The drawings are based on the data available with Maha-Metro and are for reference purpose only. The bidder should verify the site on his own before submitting the bid.
- Vertical profile as indicated in this tender drawing is based on GL/Road Level as surveyed during preparation of DPR in 2018. Maha-Metro Doesn't own any responsibility for the accuracy of the same. Contractor will have to ascertain its final value and maintain the requisite minimum vertical clearance of 5.5m from flyover Road top level in consonance with provision of IRC: 86-2018. Also, at the remaining location, contractor shall maintain minimum vertical clearance of 5.8m from the existing road level.
- GAD furnished contains tentative span configuration proposed by the employer. However, Contractor shall put forward proposed span configuration before execution. Prior approval of Employer as specified in the bid document is required.
- The flyover details shown in blue colour in the L-section is tentative and may subject to change as per the execution drawing received from NHA/PWD.

MAHARASHTRA METRO RAIL CORPORATION LIMITED
 METRO BHAVAN, INFRONT OF DR. BABASAHEB AMBEDKAR COLLEGE, DEEKSHABHOOMI, NAGPUR - 440010

Project Name: NAGPUR METRO RAIL PROJECT PHASE-II	
TITLE: PLAN & PROFILE OF REACH 1A (Elevated Section) (FOR TENDER PURPOSE ONLY)	Updated Month: December 2023
DWG NO. MM/Plg/NIT/NGP PH-II/1A/R1/2023	Scale: $H=1:1000$ $V=1:500$ A1
Revision No. 01	Revision date 29/12/2023
START OF ELEVATED SECTION TO MIDC ESR (CORRIDOR 1A)	
SHEET NO.: 03 OF 25	



ELEVATED SECTION

Note: -

- The drawings are based on the data available with Maha-Metro and are for reference purpose only. The bidder should verify the site on his own before submitting the bid.
- Vertical profile as indicated in this tender drawing is based on GL/Road Level as surveyed during preparation of DPR in 2018. Maha-Metro Doesn't own any responsibility for the accuracy of the same, Contractor will have to ascertain its final value and maintain the requisite minimum vertical clearance of 5.5m from flyover Road top level in consonance with provision of IRC: 86-2018. Also, at the remaining location, contractor shall maintain minimum vertical clearance of 5.8m from the existing road level.
- GAD furnished contains tentative span configuration proposed by the employer. However, Contractor shall put forward proposed span configuration before execution. Prior approval of Employer as specified in the bid document is required.
- The flyover details shown in blue colour in the L-section is tentative and may subject to change as per the execution drawing received from NHA/PWD.

MAHARASHTRA METRO RAIL CORPORATION LIMITED
METRO BHAVAN, IN FRONT OF DR. BABASAHEB AMBEDKAR COLLEGE, DEEKSHABHOOMI, NAGPUR - 440010

Project Name: **NAGPUR METRO RAIL PROJECT PHASE-II**

TITLE: **PLAN & PROFILE OF REACH 1A (Elevated Section) (FOR TENDER PURPOSE ONLY)**

DWG NO. **MM/Pig/NIT/NGP PH-II/1A/R1/2023**

Updated Month: **December 2023**

Scale: **H=1:1000 V=1:500** A1

Revision No. **01**

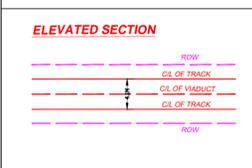
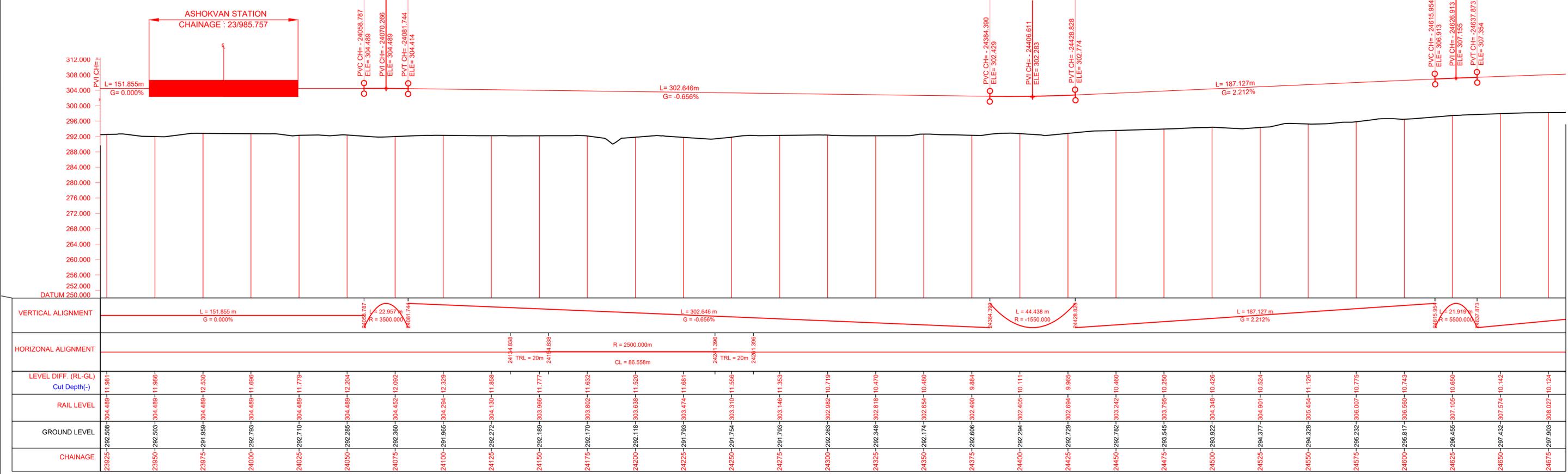
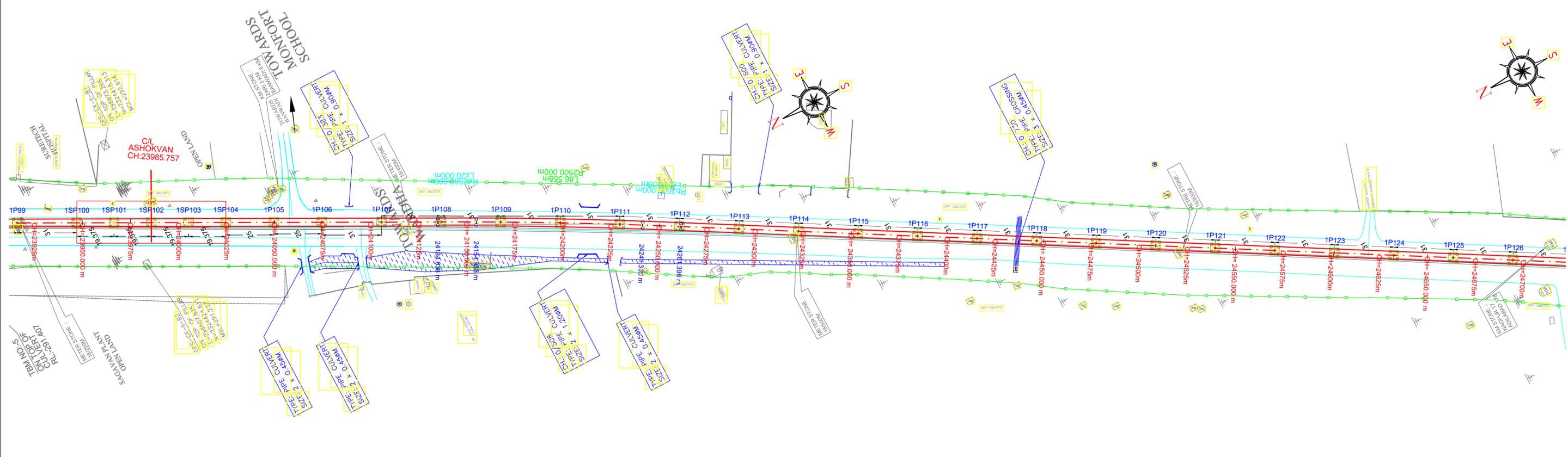
Revision date **29/12/2023**

START OF ELEVATED SECTION TO MIDC ESR (CORRIDOR 1A)

SHEET NO.: **04 OF 25**

To Sitabuldi

To MIDC ESR



Note: -

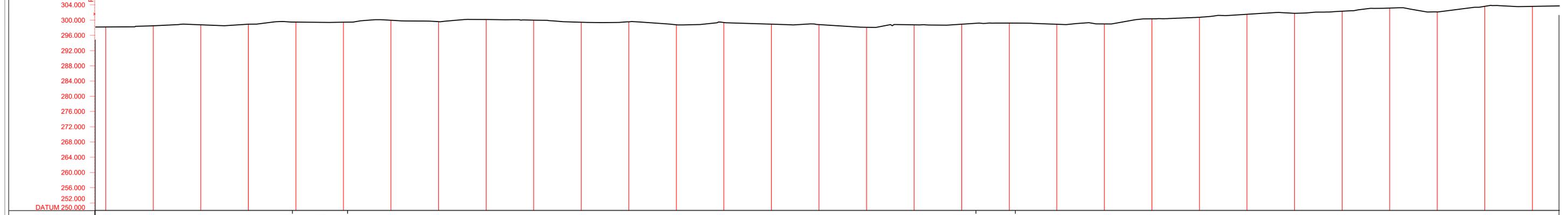
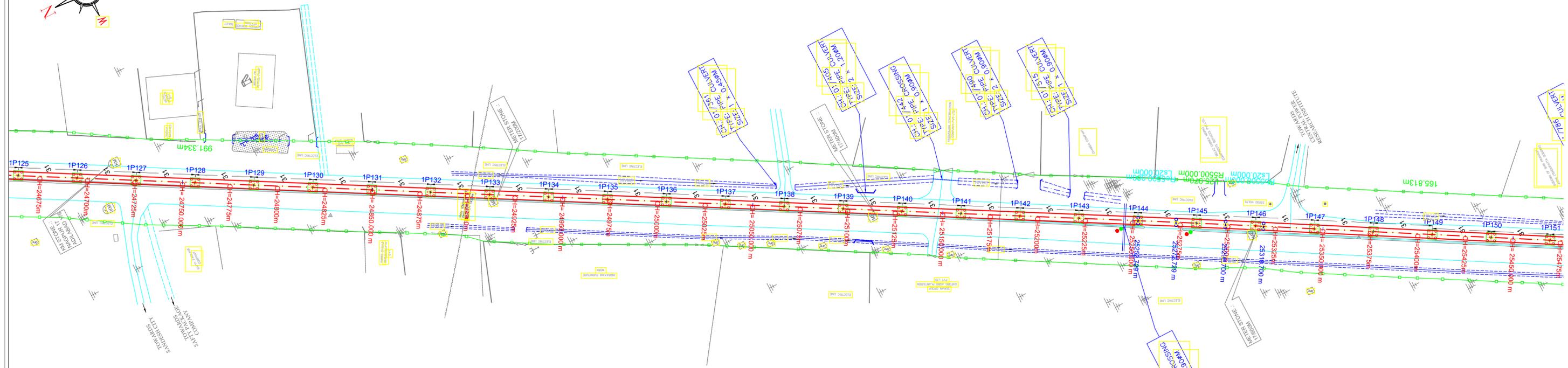
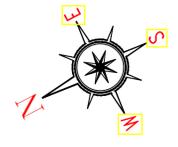
- The drawings are based on the data available with Maha-Metro and are for reference purpose only. The bidder should verify the site on his own before submitting the bid.
- Vertical profile as indicated in this tender drawing is based on GL/Road Level as surveyed during preparation of DPR in 2018. Maha-Metro Doesn't own any responsibility for the accuracy of the same. Contractor will have to ascertain its final value and maintain the requisite minimum vertical clearance of 5.5m from flyover Road top level in consonance with provision of IRC: 86-2018. Also, at the remaining location, contractor shall maintain minimum vertical clearance of 5.8m from the existing road level.
- GAD furnished contains tentative span configuration proposed by the employer. However, Contractor shall put forward proposed span configuration before execution. Prior approval of Employer as specified in the bid document is required.
- The flyover details shown in blue colour in the L-section is tentative and may subject to change as per the execution drawing received from NHA/PWD.

MAHARASHTRA METRO RAIL CORPORATION LIMITED
 METRO BHAVAN, FRONT OF DR. BABASAHEB AMBEDKAR COLLEGE, DEEKSHABHOOMI, NAGPUR - 440010

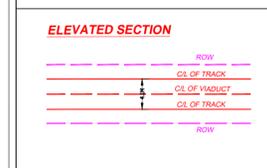
Project Name: NAGPUR METRO RAIL PROJECT PHASE-II	
TITLE: PLAN & PROFILE OF REACH 1A (Elevated Section) (FOR TENDER PURPOSE ONLY)	Updated Month: December 2023
DWG NO. MM/Pig/NIT/NGP PH-II/1A/R1/2023	Scale: H=1:1000 V=1:500 A1
Revision No. 01	Revision date 29/12/2023
START OF ELEVATED SECTION TO MIDC ESR (CORRIDOR 1A)	
SHEET NO.: 05 OF 25	

To Sitabuldi

To MIDC ESR



VERTICAL ALIGNMENT	L = 135.275 m G = 1.813%	L = 29.000 m R = 1600.000	L = 330.331 m G = 0.000%	L = 20.728 m R = 1600.000	L = 352.788 m G = 1.296%
HORIZONTAL ALIGNMENT	SL = 991.334m				
LEVEL DIFF. (RL-GL) Cut Depth(-)	10.124	10.296	10.447	10.647	10.813
RAIL LEVEL	308.027	308.480	308.933	309.386	309.839
GROUND LEVEL	297.903	298.184	298.486	298.739	298.992
CHAINAGE	24675	24700	24725	24750	24775



Note:-

- The drawings are based on the data available with Maha-Metro and are for reference purpose only. The bidder should verify the site on his own before submitting the bid.
- Vertical profile as indicated in this tender drawing is based on GL/Road Level as surveyed during preparation of DPR in 2018. Maha-Metro Doesn't own any responsibility for the accuracy of the same. Contractor will have to ascertain its final value and maintain the requisite minimum vertical clearance of 5.5m from flyover Road top level in consonance with provision of IRC: 86-2018. Also, at the remaining location, contractor shall maintain minimum vertical clearance of 5.8m from the existing road level.
- GAD furnished contains tentative span configuration proposed by the employer. However, Contractor shall put forward proposed span configuration before execution. Prior approval of Employer as specified in the bid document is required.
- The flyover details shown in blue colour in the L-section is tentative and may subject to change as per the execution drawing received from NHA/PWD.



Project Name: **NAGPUR METRO RAIL PROJECT PHASE-II**

TITLE: **PLAN & PROFILE OF REACH 1A (Elevated Section) (FOR TENDER PURPOSE ONLY)**

DWG NO. **MM/Pig/NIT/NGP PH-II/1A/R1/2023**

Updated Month: **December 2023**

Scale: **H=1:1000 V=1:500**

Revision No. **01**

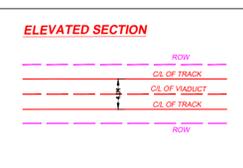
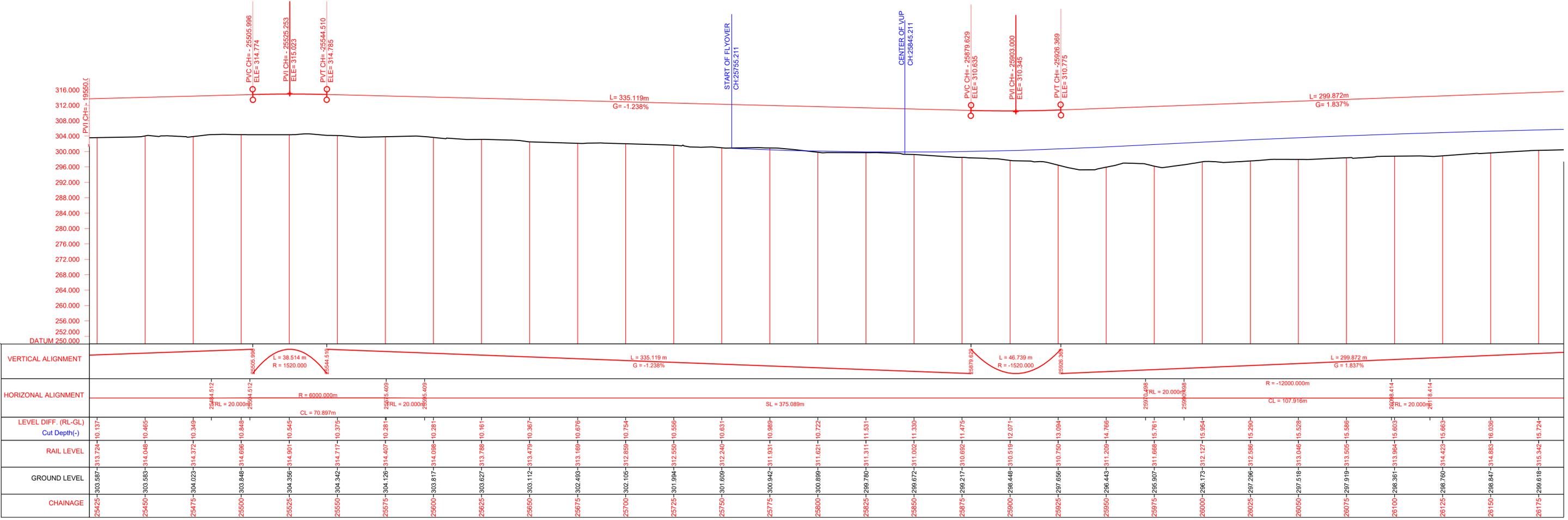
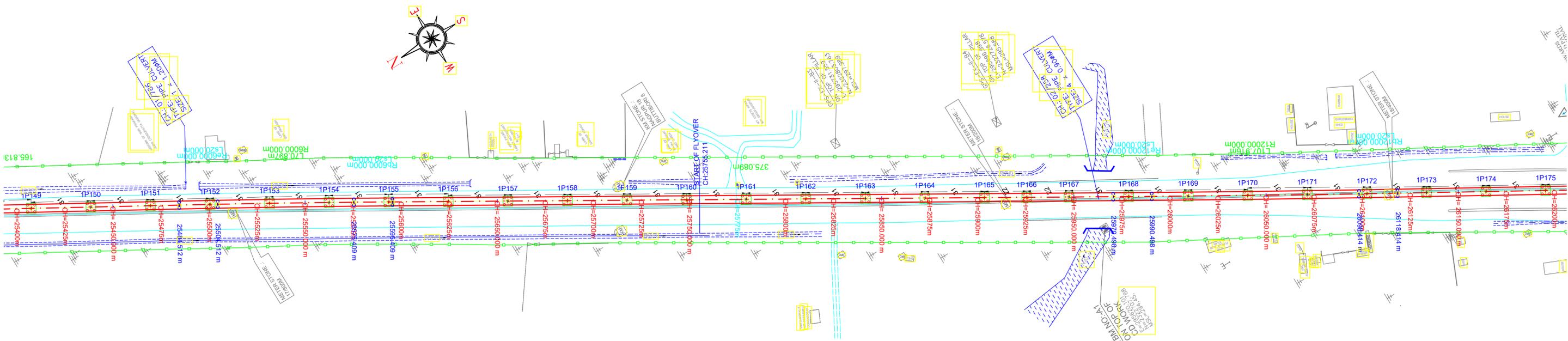
Revision date **29/12/2023**

START OF ELEVATED SECTION TO MIDC ESR (CORRIDOR 1A)

SHEET NO.: **06 OF 25**

To Sitabuldi

To MIDC ESR

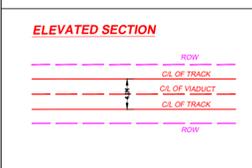
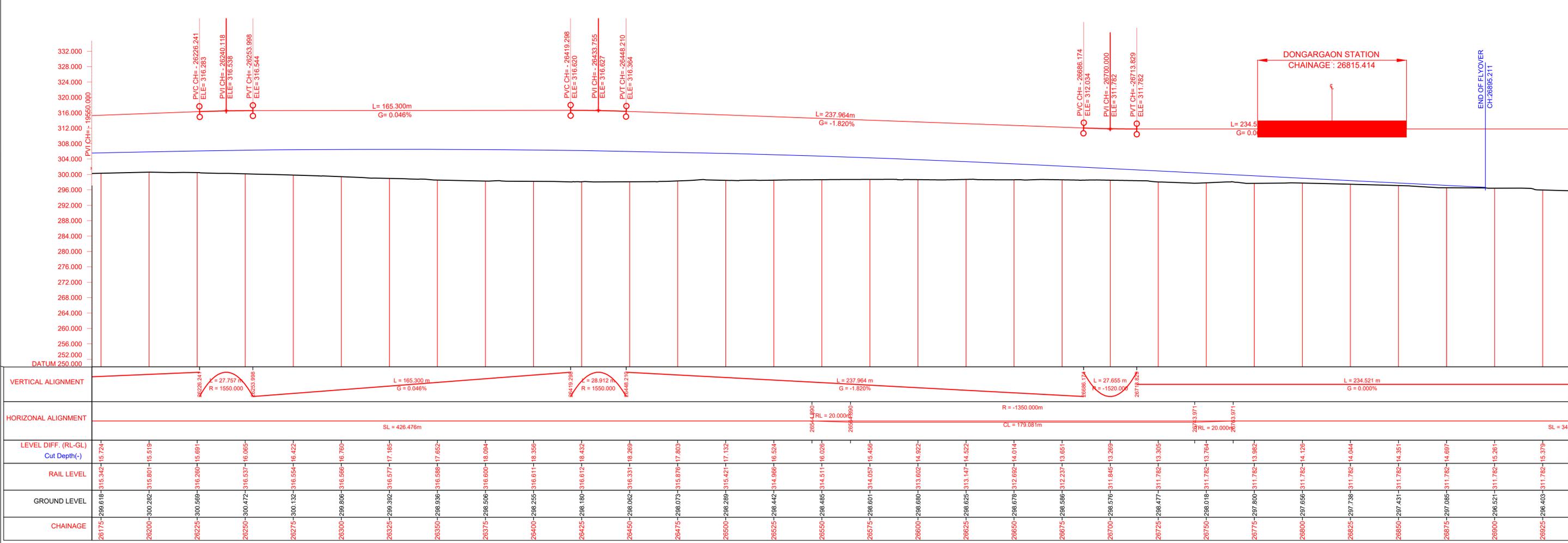


Note: -

- The drawings are based on the data available with Maha-Metro and are for reference purpose only. The bidder should verify the site on his own before submitting the bid.
- Vertical profile as indicated in this tender drawing is based on GL/Road Level as surveyed during preparation of DPR in 2018. Maha-Metro Doesn't own any responsibility for the accuracy of the same. Contractor will have to ascertain its final value and maintain the requisite minimum vertical clearance of 5.5m from flyover Road top level in consonance with provision of IRC: 86-2018. Also, at the remaining location, contractor shall maintain minimum vertical clearance of 5.8m from the existing road level.
- GAD furnished contains tentative span configuration proposed by the employer. However, Contractor shall put forward proposed span configuration before execution. Prior approval of Employer as specified in the bid document is required.
- The flyover details shown in blue colour in the L-section is tentative and may subject to change as per the execution drawing received from NHA/PWD.

MAHARASHTRA METRO RAIL CORPORATION LIMITED
 METRO BHAVAN, INFRONT OF DR. BABASAHEB AMBEDKAR COLLEGE, DEEKSHABHOOMI, NAGPUR - 440010

Project Name: NAGPUR METRO RAIL PROJECT PHASE-II	
TITLE: PLAN & PROFILE OF REACH 1A (Elevated Section) (FOR TENDER PURPOSE ONLY)	Updated Month: December 2023
DWG NO. MM/Plg/NIT/NGP PH-II/1A/R1/2023	Scale: $\frac{H=1:1000}{V=1:500}$ A1
Revision No. 01	Revision date 29/12/2023
START OF ELEVATED SECTION TO MIDC ESR (CORRIDOR 1A)	
SHEET NO.: 07 OF 25	

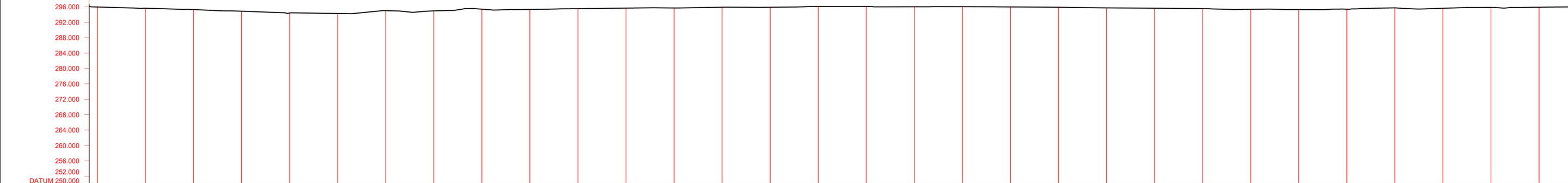
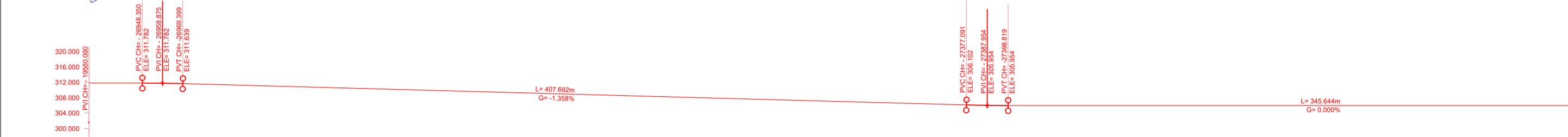
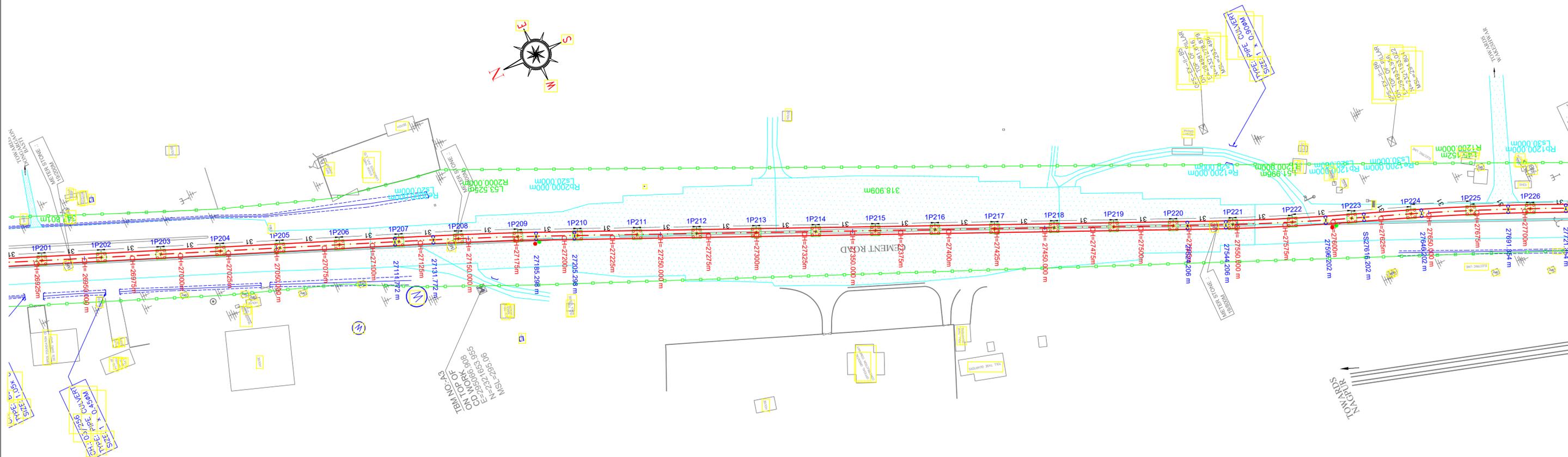


Note: -

- The drawings are based on the data available with Maha-Metro and are for reference purpose only. The bidder should verify the site on his own before submitting the bid.
- Vertical profile as indicated in this tender drawing is based on GL/Road Level as surveyed during preparation of DPR in 2018. Maha-Metro Doesn't own any responsibility for the accuracy of the same. Contractor will have to ascertain its final value and maintain the requisite minimum vertical clearance of 5.5m from flyover Road top level in consonance with provision of IRC: 86-2018. Also, at the remaining location, contractor shall maintain minimum vertical clearance of 5.8m from the existing road level.
- GAD furnished contains tentative span configuration proposed by the employer. However, Contractor shall put forward proposed span configuration before execution. Prior approval of Employer as specified in the bid document is required.
- The flyover details shown in blue colour in the L-section is tentative and may subject to change as per the execution drawing received from NHA/PWD.

MAHARASHTRA METRO RAIL CORPORATION LIMITED
 METRO BHAVAN, INFRONT OF DR. BASASAHEB AMBEDKAR COLLEGE, DEEKSHABHOOMI, NAGPUR - 440010

Project Name: NAGPUR METRO RAIL PROJECT PHASE-II	
TITLE: PLAN & PROFILE OF REACH 1A (Elevated Section) (FOR TENDER PURPOSE ONLY)	Updated Month: December 2023
DWG NO. MM/Plg/NIT/NGP PH-II/A1/R1/2023	Scale: H=1:1000 V=1:500 A1
Revision No. 01	Revision date 29/12/2023
START OF ELEVATED SECTION TO MIDC ESR (CORRIDOR 1A)	
SHEET NO.: 08 OF 25	



VERTICAL ALIGNMENT	HORIZONTAL ALIGNMENT	LEVEL DIFF. (RL-GL) Cut Depth(-)	RAIL LEVEL	GROUND LEVEL	CHAINAGE
	SL = 347.801m	26925-286.003	311.782	286.003	26925
		26950-285.942	311.781	285.942	26950
		26975-285.824	311.563	285.824	26975
		27000-285.285	311.223	285.285	27000
		27025-284.860	310.884	284.860	27025
		27050-284.379	310.544	284.379	27050
		27075-284.251	310.205	284.251	27075
		27100-284.982	309.865	284.982	27100
		27125-284.928	309.526	284.928	27125
		27150-285.376	309.186	285.376	27150
		27175-285.315	308.847	285.315	27175
		27200-285.504	308.507	285.504	27200
		27225-285.643	308.168	285.643	27225
		27250-285.696	307.828	285.696	27250
		27275-285.877	307.489	285.877	27275
		27300-285.871	307.149	285.871	27300
		27325-286.081	306.809	286.081	27325
		27350-286.069	306.470	286.069	27350
		27375-286.003	306.130	286.003	27375
		27400-286.024	305.954	286.024	27400
		27425-285.987	305.954	285.987	27425
		27450-285.878	305.954	285.878	27450
		27475-285.715	305.954	285.715	27475
		27500-285.617	305.954	285.617	27500
		27525-285.506	305.954	285.506	27525
		27550-285.398	305.954	285.398	27550
		27575-285.274	305.954	285.274	27575
		27600-285.371	305.954	285.371	27600
		27625-285.727	305.954	285.727	27625
		27650-285.607	305.954	285.607	27650
		27675-285.628	305.954	285.628	27675

ELEVATED SECTION

--- ROW

--- COL OF TRACK

--- COL OF VIADUCT

--- COL OF TRACK

--- ROW

Note: -

- The drawings are based on the data available with Maha-Metro and are for reference purpose only. The bidder should verify the site on his own before submitting the bid.
- Vertical profile as indicated in this tender drawing is based on GL/Road Level as surveyed during preparation of DPR in 2018. Maha-Metro Doesn't own any responsibility for the accuracy of the same. Contractor will have to ascertain its final value and maintain the requisite minimum vertical clearance of 5.5m from flyover Road top level in consonance with provision of IRC: 86-2018. Also, at the remaining location, contractor shall maintain minimum vertical clearance of 5.8m from the existing road level.
- GAD furnished contains tentative span configuration proposed by the employer. However, Contractor shall put forward proposed span configuration before execution. Prior approval of Employer as specified in the bid document is required.
- The flyover details shown in blue colour in the L-section is tentative and may subject to change as per the execution drawing received from NHA/PWD.

MAHARASHTRA METRO RAIL CORPORATION LIMITED
METRO BHAVAN, INFRONT OF DR. BABASAHEB AMBEDKAR COLLEGE, DEEKSHABHOOMI, NAGPUR - 440010

Project Name: **NAGPUR METRO RAIL PROJECT PHASE-II**

TITLE: **PLAN & PROFILE OF REACH 1A (Elevated Section) (FOR TENDER PURPOSE ONLY)**

DWG NO. **MM/Pig/NIT/NGP PH-II/1A/R/2023**

Updated Month: **December 2023**

Scale: **H=1:1000 V=1:500** A1

Revision No. **01**

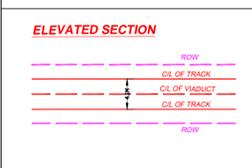
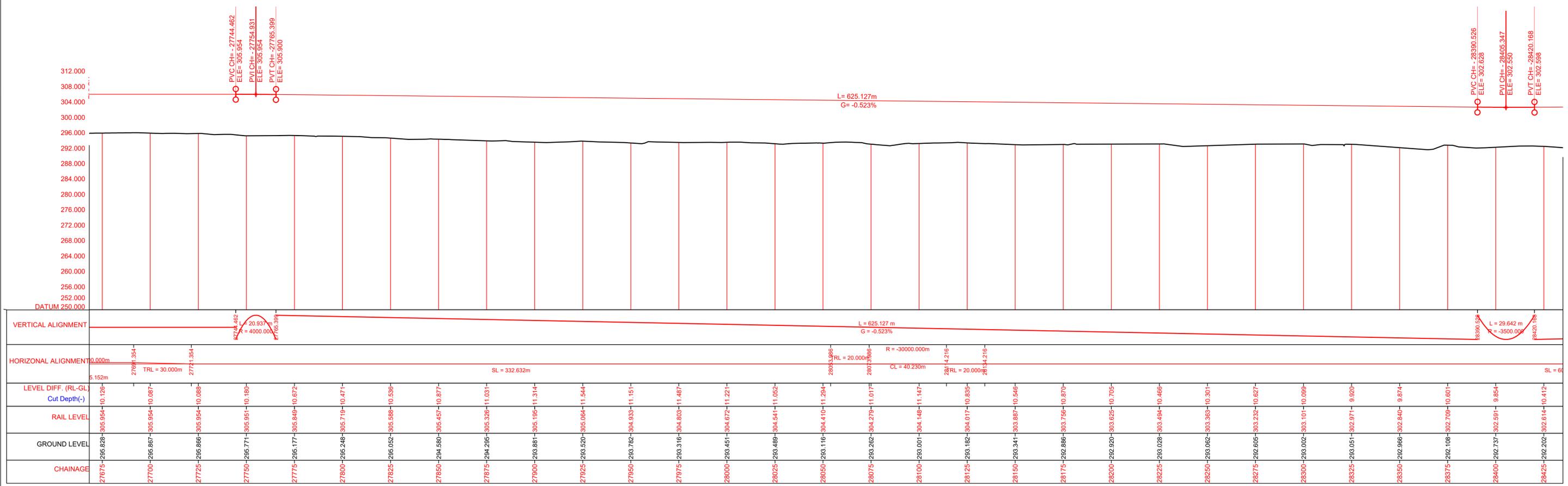
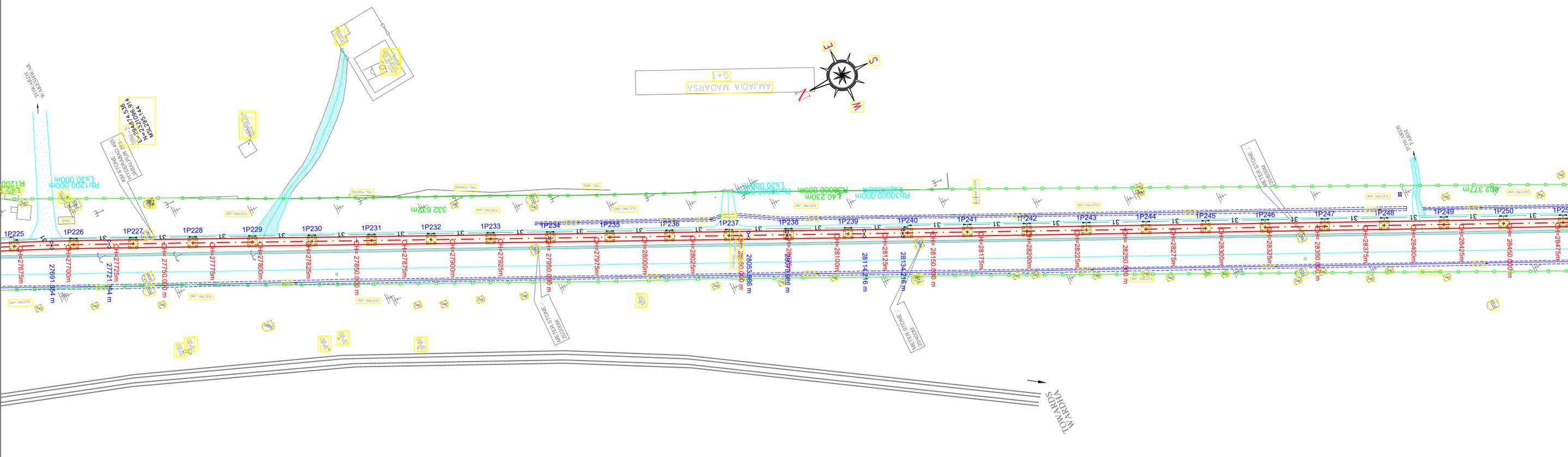
Revision date **29/12/2023**

START OF ELEVATED SECTION TO MIDC ESR (CORRIDOR 1A)

SHEET NO.: **09 OF 25**

To Sitabuldi

To MIDC ESR

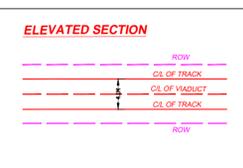
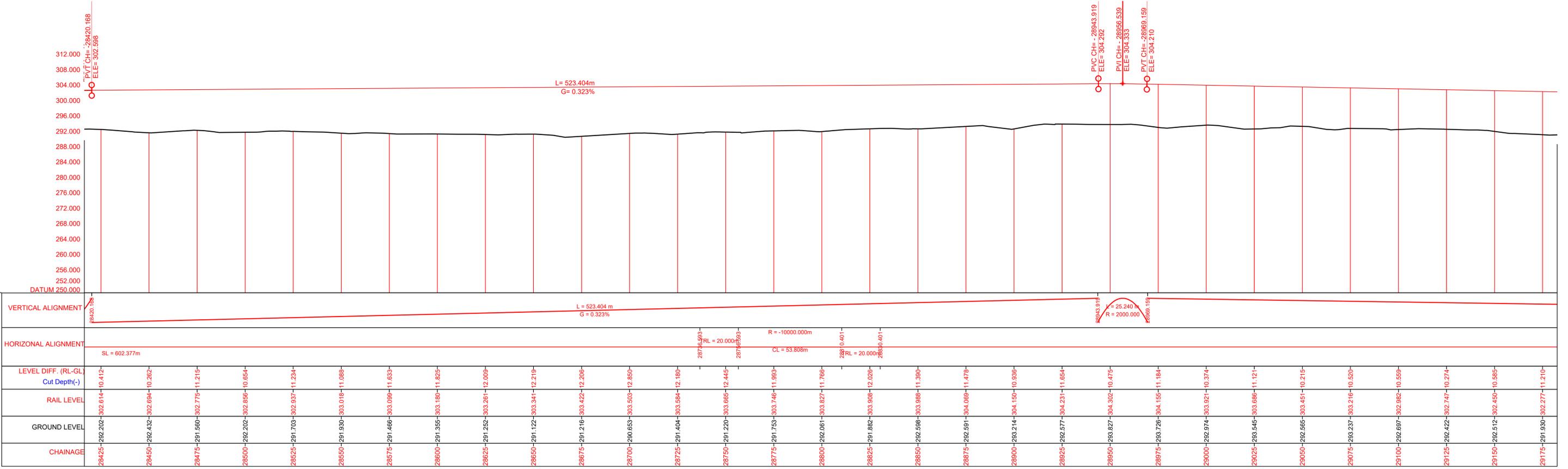
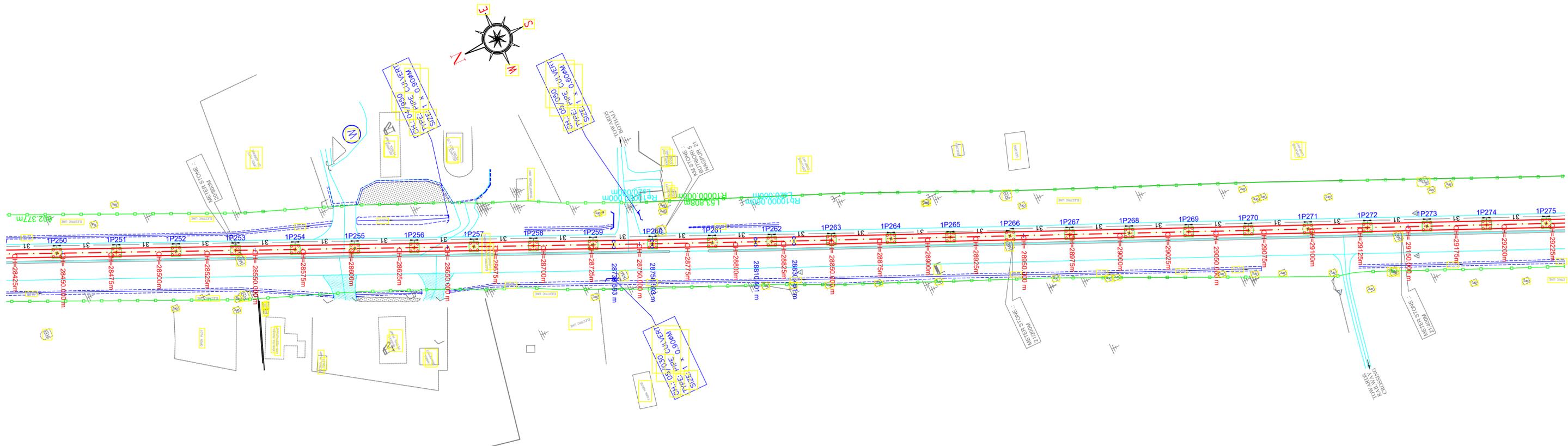


Note: -

- The drawings are based on the data available with Maha-Metro and are for reference purpose only. The bidder should verify the site on his own before submitting the bid.
- Vertical profile as indicated in this tender drawing is based on GL/Road Level as surveyed during preparation of DPR in 2018. Maha-Metro Doesn't own any responsibility for the accuracy of the same. Contractor will have to ascertain its final value and maintain the requisite minimum vertical clearance of 5.5m from flyover Road top level in consonance with provision of IRC: 86-2018. Also, at the remaining location, contractor shall maintain minimum vertical clearance of 5.8m from the existing road level.
- GAD furnished contains tentative span configuration proposed by the employer. However, Contractor shall put forward proposed span configuration before execution. Prior approval of Employer as specified in the bid document is required.
- The flyover details shown in blue colour in the L-section is tentative and may subject to change as per the execution drawing received from NHA/PWD.

MAHARASHTRA METRO RAIL CORPORATION LIMITED
 METRO BHAVAN, INFRONT OF DR. BABASAHEB AMBEDKAR COLLEGE, DEEKSHABHOOMI, NAGPUR - 440010

Project Name: NAGPUR METRO RAIL PROJECT PHASE-II	
TITLE: PLAN & PROFILE OF REACH 1A (Elevated Section) (FOR TENDER PURPOSE ONLY)	Updated Month: December 2023
DWG NO. MM/Pig/NIT/NGP PH-II/1A/R1/2023	Scale: $H=1:1000$ $V=1:500$ A1
Revision No. 01	Revision date 29/12/2023
START OF ELEVATED SECTION TO MIDC ESR (CORRIDOR 1A)	
SHEET NO.: 10 OF 25	



Note: -

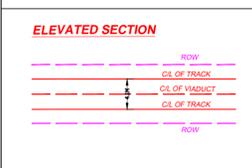
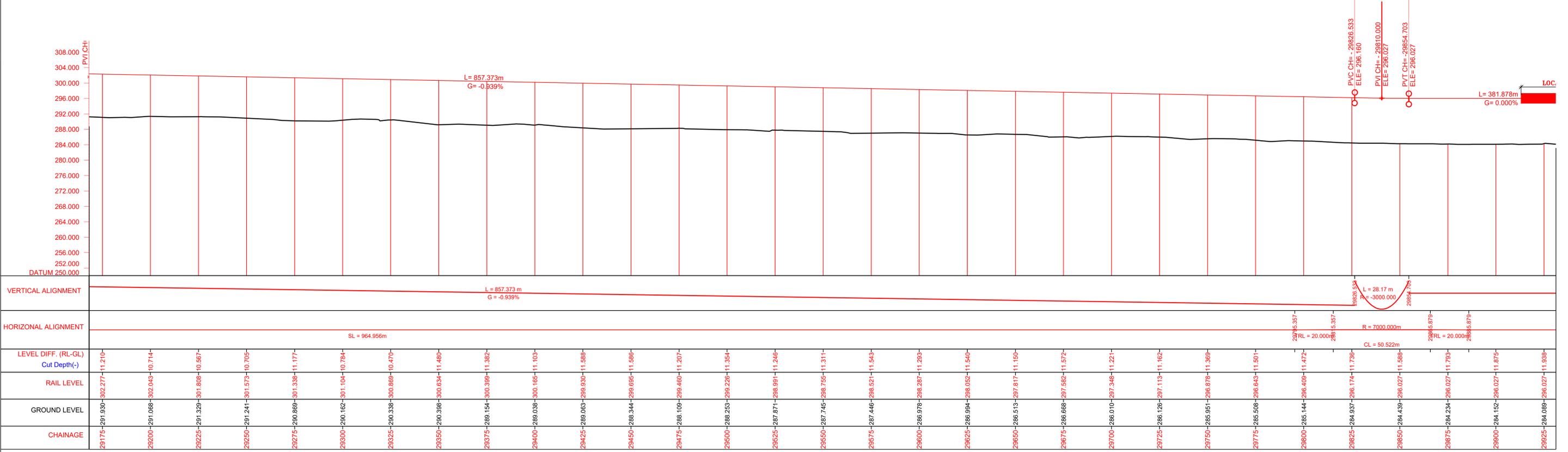
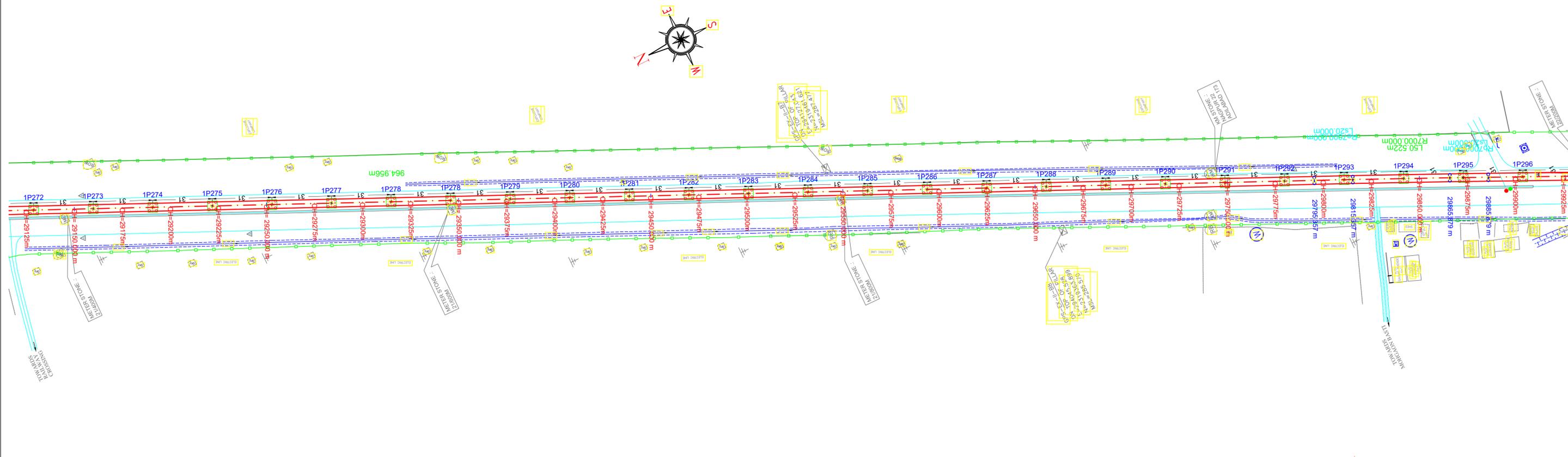
- The drawings are based on the data available with Maha-Metro and are for reference purpose only. The bidder should verify the site on his own before submitting the bid.
- Vertical profile as indicated in this tender drawing is based on GL/Road Level as surveyed during preparation of DPR in 2018. Maha-Metro Doesn't own any responsibility for the accuracy of the same. Contractor will have to ascertain its final value and maintain the requisite minimum vertical clearance of 5.5m from flyover Road top level in consonance with provision of IRC: 86-2018. Also, at the remaining location, contractor shall maintain minimum vertical clearance of 5.8m from the existing road level.
- GAD furnished contains tentative span configuration proposed by the employer. However, Contractor shall put forward proposed span configuration before execution. Prior approval of Employer as specified in the bid document is required.
- The flyover details shown in blue colour in the L-section is tentative and may subject to change as per the execution drawing received from NHA/PWD.

MAHARASHTRA METRO RAIL CORPORATION LIMITED
 METRO BHAVAN, INFRONT OF DR. BABASAHEB AMBEDKAR COLLEGE, DEEKSHABHOOMI, NAGPUR - 440010

Project Name: NAGPUR METRO RAIL PROJECT PHASE-II	
TITLE: PLAN & PROFILE OF REACH 1A (Elevated Section) (FOR TENDER PURPOSE ONLY)	Updated Month: December 2023
DWG NO. MM/Plg/NIT/NGP PH-II/1A/R1/2023	Scale: $H=1:1000$ $V=1:500$ A1
Revision No. 01	Revision date 29/12/2023
START OF ELEVATED SECTION TO MIDC ESR (CORRIDOR 1A)	
SHEET NO.: 11 OF 25	

To Sitabuldi

To MIDC ESR



Note: -

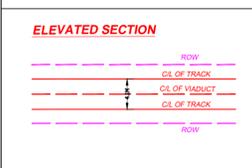
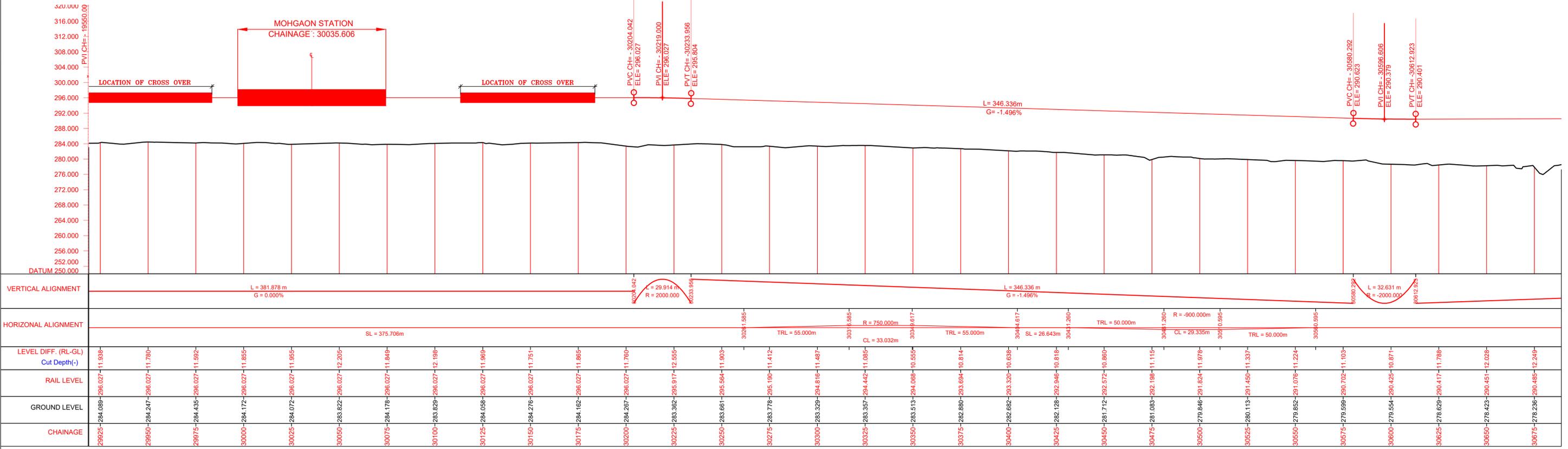
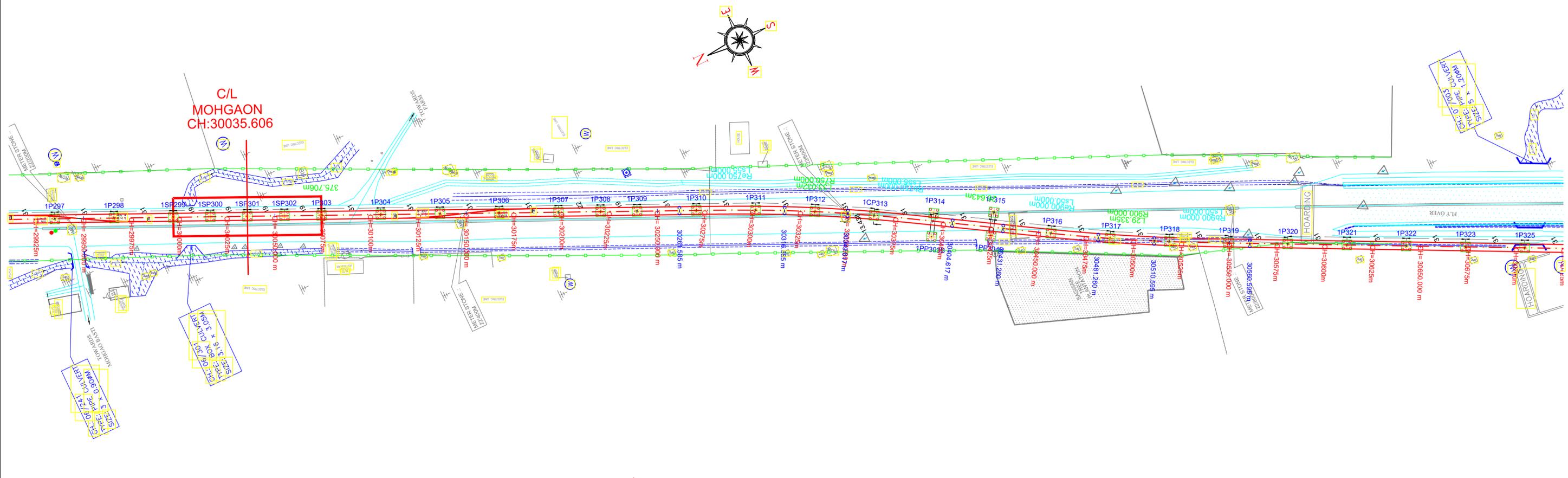
- The drawings are based on the data available with Maha-Metro and are for reference purpose only. The bidder should verify the site on his own before submitting the bid.
- Vertical profile as indicated in this tender drawing is based on GL/Road Level as surveyed during preparation of DPR in 2018. Maha-Metro Doesn't own any responsibility for the accuracy of the same. Contractor will have to ascertain its final value and maintain the requisite minimum vertical clearance of 5.5m from flyover Road top level in consonance with provision of IRC: 86-2018. Also, at the remaining location, contractor shall maintain minimum vertical clearance of 5.8m from the existing road level.
- GAD furnished contains tentative span configuration proposed by the employer. However, Contractor shall put forward proposed span configuration before execution. Prior approval of Employer as specified in the bid document is required.
- The flyover details shown in blue colour in the L-section is tentative and may subject to change as per the execution drawing received from NHA/PWD.

MAHARASHTRA METRO RAIL CORPORATION LIMITED
 METRO BHAVAN, INFRONT OF DR. BABASAHEB AMBEDKAR COLLEGE, DEEKSHABHOOMI, NAGPUR- 440010

Project Name: NAGPUR METRO RAIL PROJECT PHASE-II	
TITLE: PLAN & PROFILE OF REACH 1A (Elevated Section) (FOR TENDER PURPOSE ONLY)	Updated Month: December 2023
DWG NO. MM/Pig/NIT/NGP PH-II/1A/R1/2023	Scale: $H=1:1000$ $V=1:500$ A1 Revision No. 01 Revision date 29/12/2023
START OF ELEVATED SECTION TO MIDC ESR (CORRIDOR 1A)	
SHEET NO.: 12 OF 25	

To Sitabuldi

To MIDC ESR



Note: -

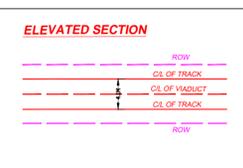
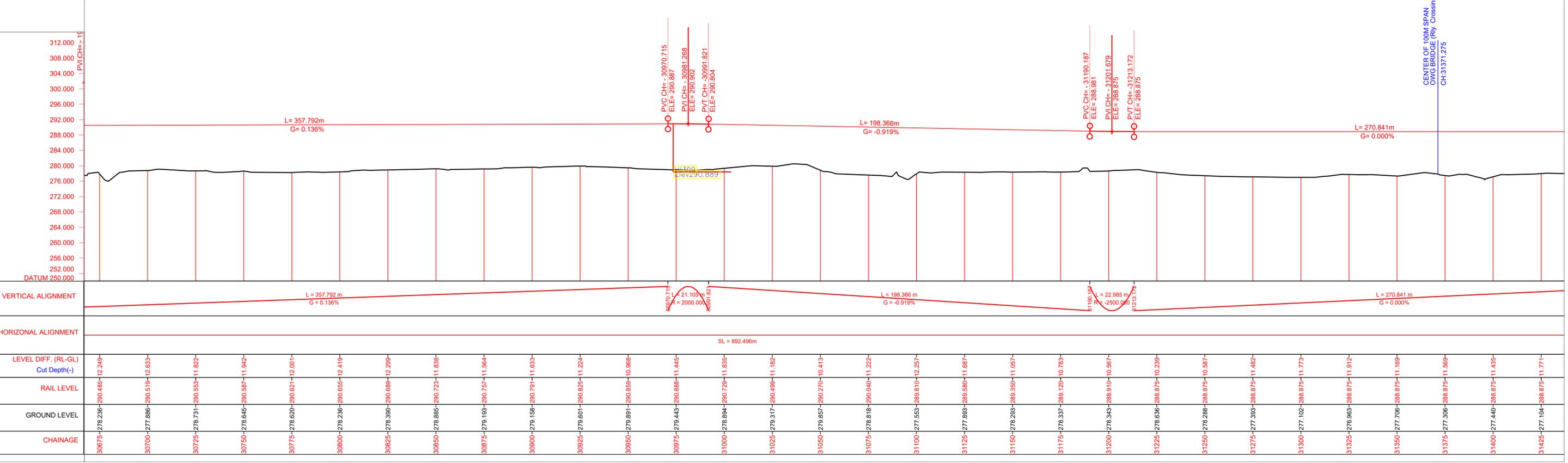
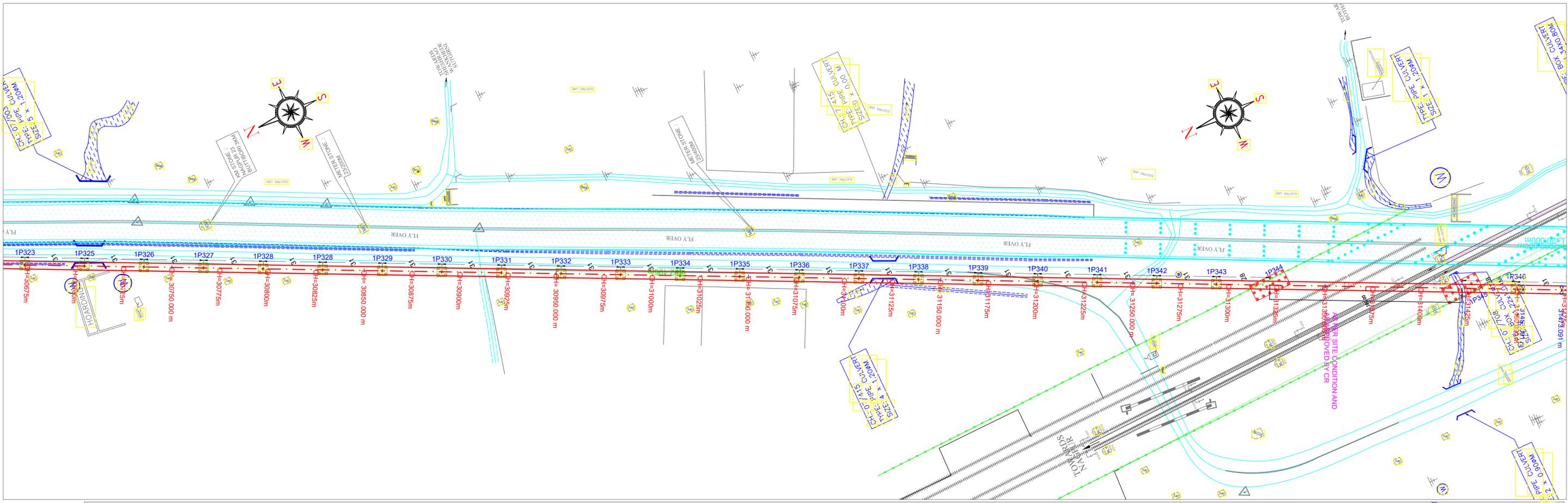
- The drawings are based on the data available with Maha-Metro and are for reference purpose only. The bidder should verify the site on his own before submitting the bid.
- Vertical profile as indicated in this tender drawing is based on GL/Road Level as surveyed during preparation of DPR in 2018. Maha-Metro Doesn't own any responsibility for the accuracy of the same. Contractor will have to ascertain its final value and maintain the requisite minimum vertical clearance of 5.5m from flyover Road top level in consonance with provision of IRC: 86-2018. Also, at the remaining location, contractor shall maintain minimum vertical clearance of 5.8m from the existing road level.
- GAD furnished contains tentative span configuration proposed by the employer. However, Contractor shall put forward proposed span configuration before execution. Prior approval of Employer as specified in the bid document is required.
- The flyover details shown in blue colour in the L-section is tentative and may subject to change as per the execution drawing received from NHA/PWD.

MAHARASHTRA METRO RAIL CORPORATION LIMITED
 METRO BHAVAN, IN FRONT OF DR. BABASAHEB AMBEDKAR COLLEGE, DEEKSHABHOOMI, NAGPUR - 440010

Project Name: NAGPUR METRO RAIL PROJECT PHASE-II	
TITLE: PLAN & PROFILE OF REACH 1A (Elevated Section) (FOR TENDER PURPOSE ONLY)	Updated Month: December 2023
DWG NO. MM/Plg/NIT/NGP PH-II/1A/R1/2023	Scale: $H=1:1000$ $V=1:500$ $A1$ Revision No. 01 Revision date 29/12/2023
SHEET NO.: 13 OF 25	

To Sitabuldi

To MIDC ESR

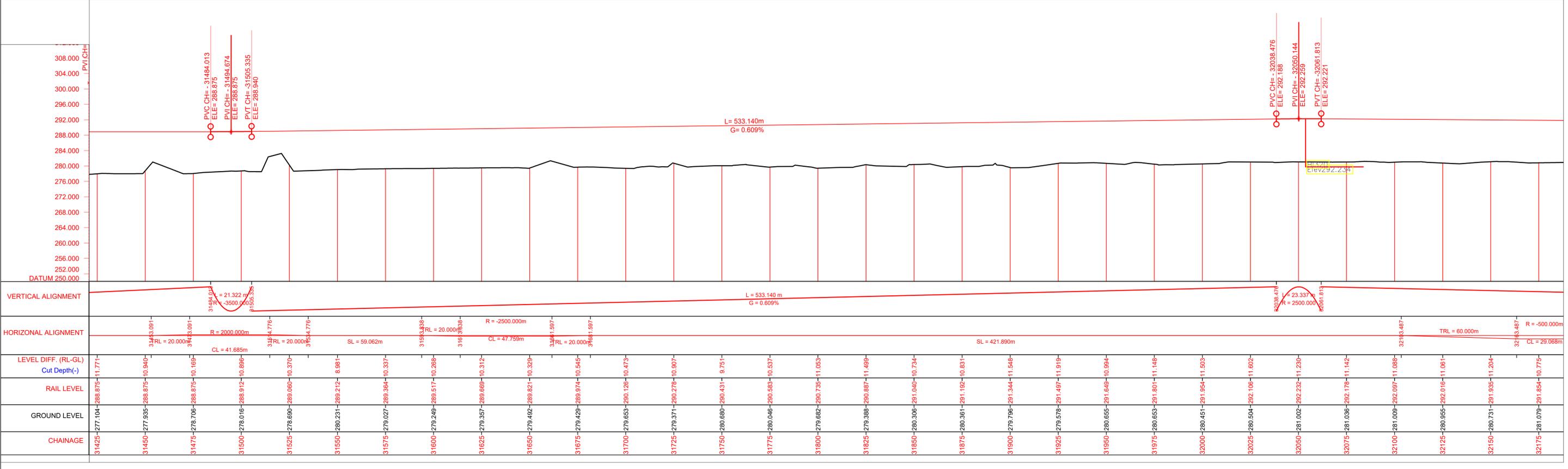
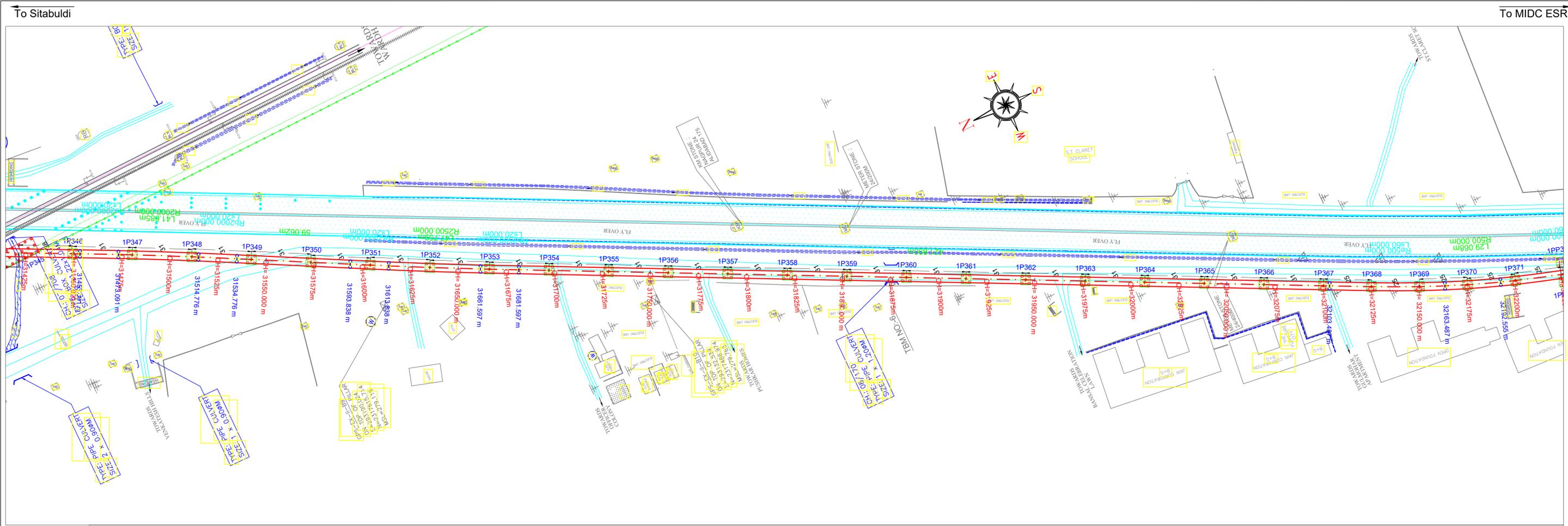


Note: -

- The drawings are based on the data available with Maha-Metro and are for reference purpose only. The bidder should verify the site on his own before submitting the bid.
- Vertical profile as indicated in this tender drawing is based on GL/Road Level as surveyed during preparation of DPR in 2018. Maha-Metro Doesn't own any responsibility for the accuracy of the same. Contractor will have to ascertain its final value and maintain the requisite minimum vertical clearance of 5.5m from flyover Road top level in consonance with provision of IRC: 86-2018. Also, at the remaining location, contractor shall maintain minimum vertical clearance of 5.8m from the existing road level.
- GAD furnished contains tentative span configuration proposed by the employer. However, Contractor shall put forward proposed span configuration before execution. Prior approval of Employer as specified in the bid document is required.
- The flyover details shown in blue colour in the L-section is tentative and may subject to change as per the execution drawing received from NHA/PWD.

MAHARASHTRA METRO RAIL CORPORATION LIMITED
 METRO BHAVAN, INFRONT OF DR. BABASAHEB AMBEDKAR COLLEGE, DEEKSHABHOOMI, NAGPUR - 440010

Project Name: NAGPUR METRO RAIL PROJECT PHASE-II	
TITLE: PLAN & PROFILE OF REACH 1A (Elevated Section) (FOR TENDER PURPOSE ONLY)	Updated Month: December 2023
DWG NO. MM/Pig/NIT/NGP PH-II/1A/R1/2023	Scale: $H=1:1000$ $V=1:500$ A1
Revision No. 01	Revision date 29/12/2023
START OF ELEVATED SECTION TO MIDC ESR (CORRIDOR 1A)	
SHEET NO.: 14 OF 25	



ELEVATED SECTION

Note: -

- The drawings are based on the data available with Maha-Metro and are for reference purpose only. The bidder should verify the site on his own before submitting the bid.
- Vertical profile as indicated in this tender drawing is based on GL/Road Level as surveyed during preparation of DPR in 2018. Maha-Metro Doesn't own any responsibility for the accuracy of the same. Contractor will have to ascertain its final value and maintain the requisite minimum vertical clearance of 5.5m from flyover Road top level in consonance with provision of IRC: 86-2018. Also, at the remaining location, contractor shall maintain minimum vertical clearance of 5.8m from the existing road level.
- GAD furnished contains tentative span configuration proposed by the employer. However, Contractor shall put forward proposed span configuration before execution. Prior approval of Employer as specified in the bid document is required.
- The flyover details shown in blue colour in the L-section is tentative and may subject to change as per the execution drawing received from NHA/PWD.

MAHARASHTRA METRO RAIL CORPORATION LIMITED
METRO BHAVAN, INFRONT OF DR. BABASAHEB AMBEDKAR COLLEGE, DEEKSHABHOOMI, NAGPUR - 440010

Project Name: **NAGPUR METRO RAIL PROJECT PHASE-II**

TITLE: **PLAN & PROFILE OF REACH 1A (Elevated Section) (FOR TENDER PURPOSE ONLY)**

DWG NO. **MM/Pig/NIT/NGP PH-II/1A/R1/2023**

Updated Month: **December 2023**

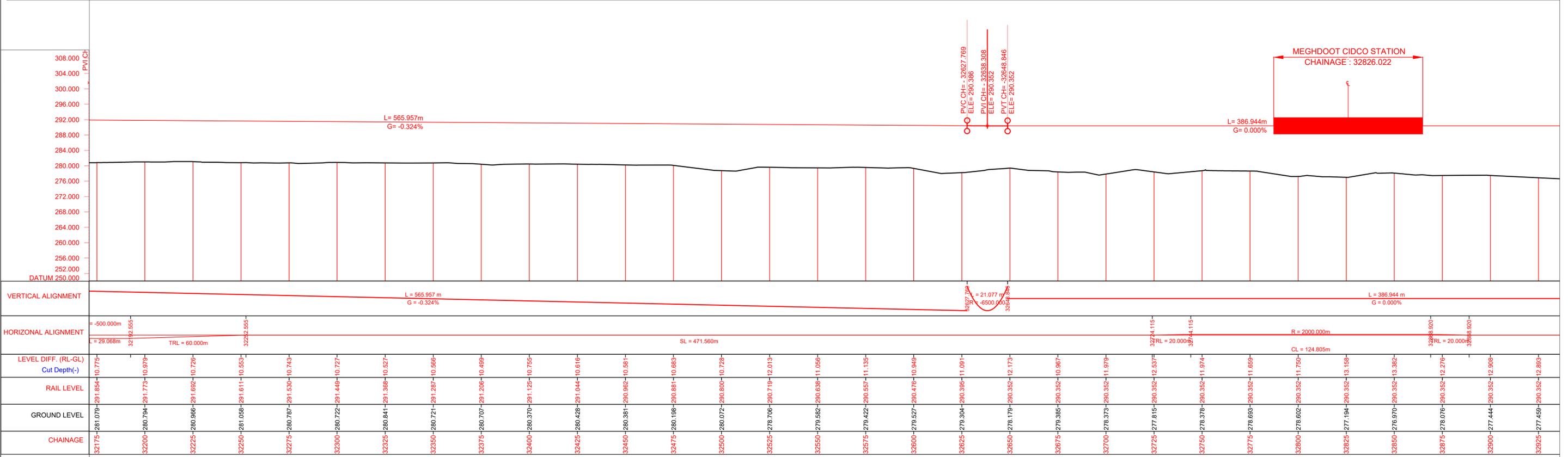
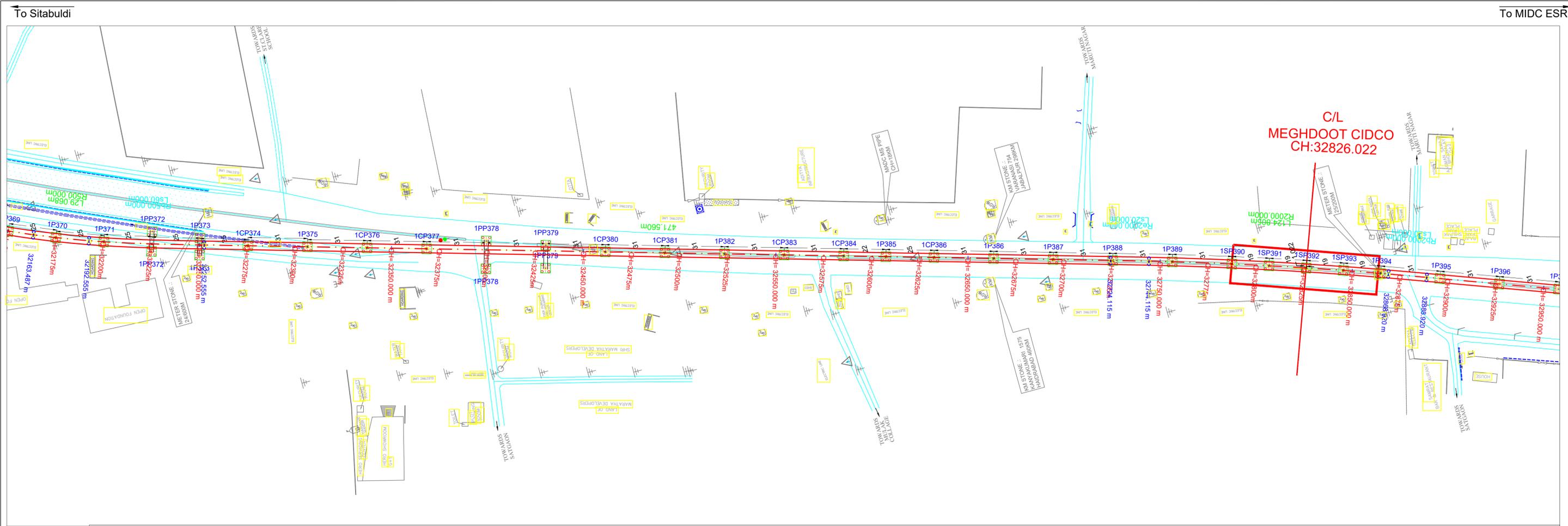
Scale: **H=1:1000 V=1:500** A1

Revision No. **01**

Revision date **29/12/2023**

START OF ELEVATED SECTION TO MIDC ESR (CORRIDOR 1A)

SHEET NO.: **15 OF 25**



LEVEL DIFF. (RL-GL) Cut Depth(-)	RAIL LEVEL	GROUND LEVEL	CHAINAGE
-10.775	291.854	281.079	32175
-10.979	291.773	280.794	32200
-10.726	291.892	280.966	32225
-10.553	291.811	281.068	32250
-10.743	291.530	280.787	32275
-10.727	291.449	280.722	32300
-10.527	291.368	280.841	32325
-10.499	291.266	280.707	32375
-10.755	291.125	280.370	32400
-10.616	291.044	280.428	32425
-10.591	290.962	280.381	32450
-10.663	290.881	280.198	32475
-10.728	290.800	280.072	32500
-12.013	290.719	278.706	32525
-11.056	290.638	279.582	32550
-11.135	290.557	279.422	32575
-10.949	290.476	279.527	32600
-11.091	290.395	279.304	32625
-12.173	290.352	278.179	32650
-10.967	290.352	279.385	32675
-11.979	290.352	278.373	32700
-12.5375	290.352	277.815	32725
-11.974	290.352	278.376	32750
-11.659	290.352	278.683	32775
-13.158	290.352	277.194	32825
-13.382	290.352	276.970	32850
-12.276	290.352	278.076	32875
-12.908	290.352	277.444	32900
-12.893	290.352	277.459	32925

Note:-

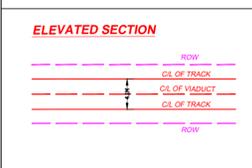
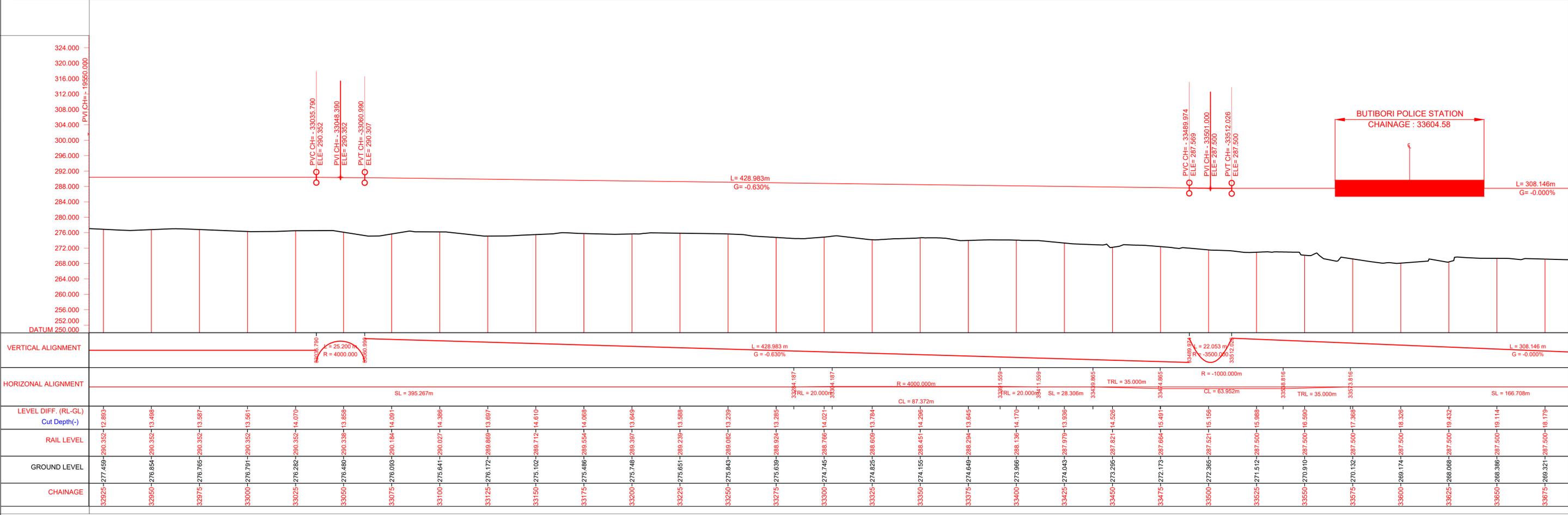
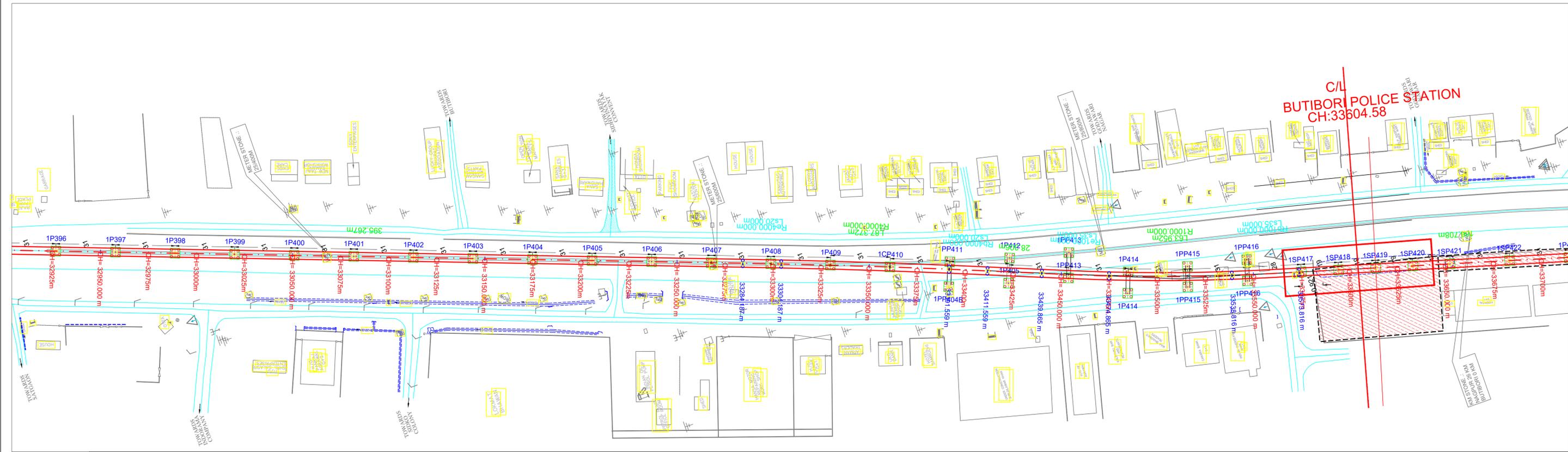
- The drawings are based on the data available with Maha-Metro and are for reference purpose only. The bidder should verify the site on his own before submitting the bid.
- Vertical profile as indicated in this tender drawing is based on GL/Road Level as surveyed during preparation of DPR in 2018. Maha-Metro Doesn't own any responsibility for the accuracy of the same. Contractor will have to ascertain its final value and maintain the requisite minimum vertical clearance of 5.5m from flyover Road top level in consonance with provision of IRC: 86-2018. Also, at the remaining location, contractor shall maintain minimum vertical clearance of 5.8m from the existing road level.
- GAD furnished contains tentative span configuration proposed by the employer. However, Contractor shall put forward proposed span configuration before execution. Prior approval of Employer as specified in the bid document is required.
- The flyover details shown in blue colour in the L-section is tentative and may subject to change as per the execution drawing received from NHA/PWD.



Project Name: NAGPUR METRO RAIL PROJECT PHASE-II	Updated Month: December 2023	Revision No: 01	Revision date: 29/12/2023
TITLE: PLAN & PROFILE OF REACH 1A (Elevated Section) (FOR TENDER PURPOSE ONLY)	Scale: H=1:1000 V=1:500	DWG NO. MM/Pig/NIT/NGP PH-II/1A/R1/2023	SHEET NO.: 16 OF 25
START OF ELEVATED SECTION TO MIDC ESR (CORRIDOR 1A)			

To Sitabuldi

To MIDC ESR

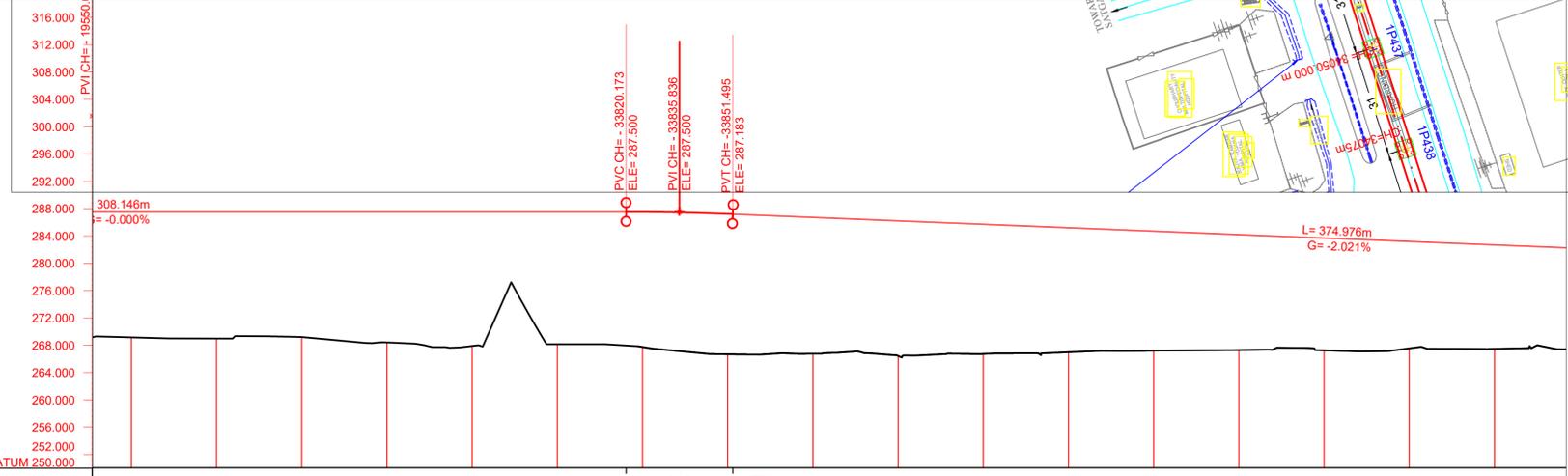
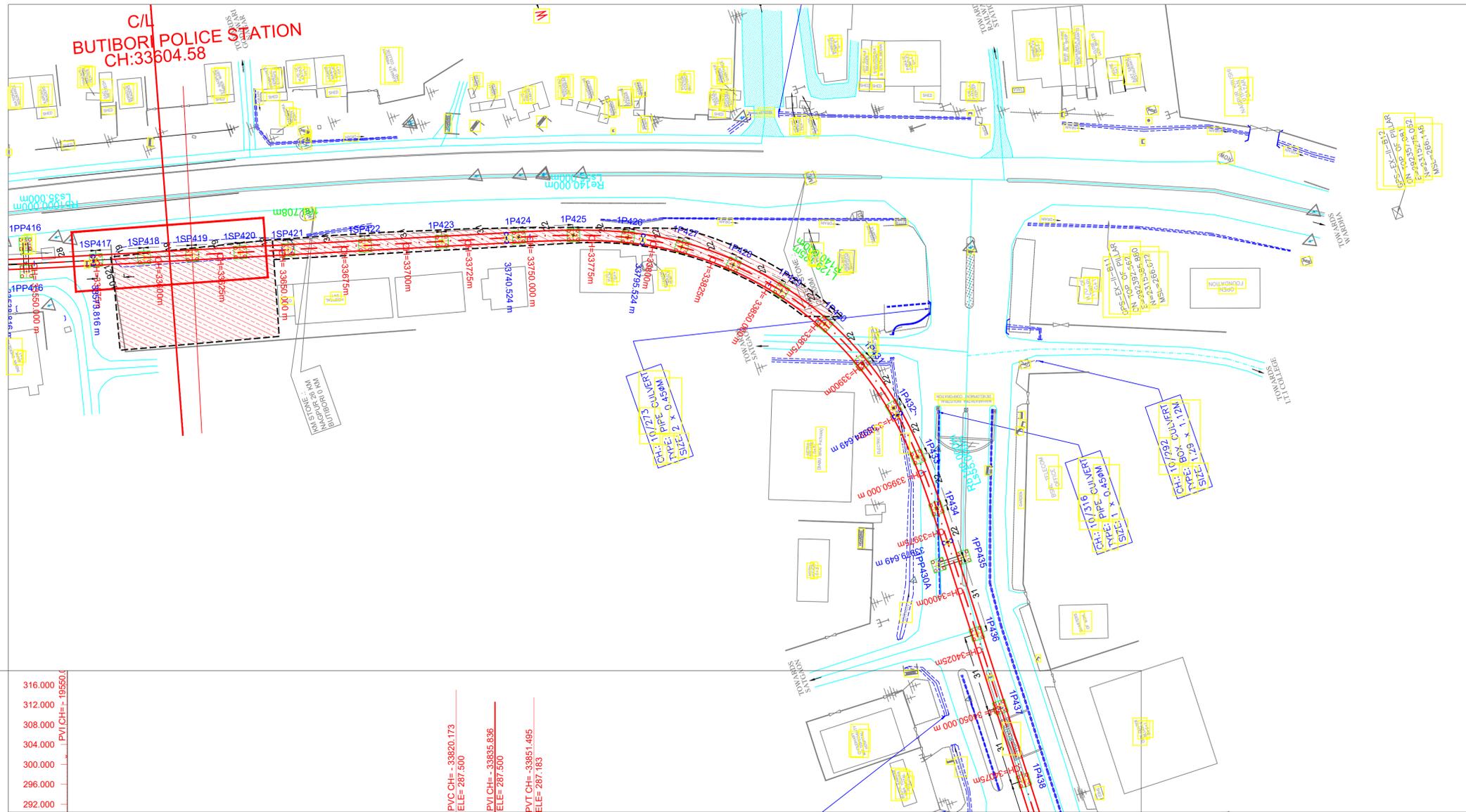


Note: -

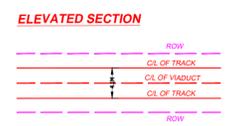
- The drawings are based on the data available with Maha-Metro and are for reference purpose only. The bidder should verify the site on his own before submitting the bid.
- Vertical profile as indicated in this tender drawing is based on GL/Road Level as surveyed during preparation of DPR in 2018. Maha-Metro Doesn't own any responsibility for the accuracy of the same. Contractor will have to ascertain its final value and maintain the requisite minimum vertical clearance of 5.5m from flyover Road top level in consonance with provision of IRC: 86-2018. Also, at the remaining location, contractor shall maintain minimum vertical clearance of 5.8m from the existing road level.
- GAD furnished contains tentative span configuration proposed by the employer. However, Contractor shall put forward proposed span configuration before execution. Prior approval of Employer as specified in the bid document is required.
- The flyover details shown in blue colour in the L-section is tentative and may subject to change as per the execution drawing received from NHA/PWD.



Project Name: NAGPUR METRO RAIL PROJECT PHASE-II	
TITLE: PLAN & PROFILE OF REACH 1A (Elevated Section) (FOR TENDER PURPOSE ONLY)	Updated Month: December 2023
DWG NO. MM/Pig/NIT/NGP PH-II/1A/R1/2023	Scale: $\frac{H=1:1000}{V=1:500}$ A1 Revision No. 01 Revision date 29/12/2023
SHEET NO.: 17 OF 25	



LEVEL DIFF. (RL-GL) Cut Depth(-)	RAIL LEVEL	GROUND LEVEL	CHAINAGE
38.146 m 0.000%	287.500	289.321	33675
16.377	287.500	289.123	33700
16.551	287.500	288.949	33725
16.326	287.500	289.174	33750
19.111	287.500	288.389	33775
19.630	287.500	287.870	33800
19.373	287.492	288.119	33825
19.487	287.213	287.726	33850
20.058	286.708	286.650	33875
19.476	286.203	286.727	33900
19.273	285.698	286.925	33925
18.493	285.192	286.689	33950
17.738	284.687	286.949	33975
16.999	284.182	287.183	34000
16.400	283.677	287.277	34025
15.941	283.171	287.230	34050
15.150	282.666	287.516	34075

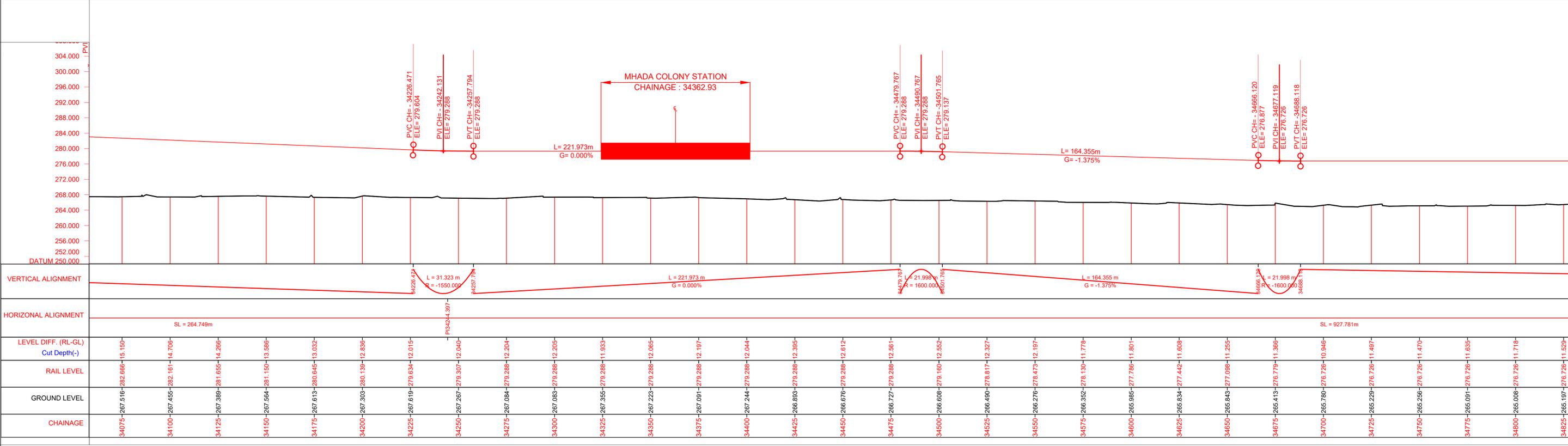
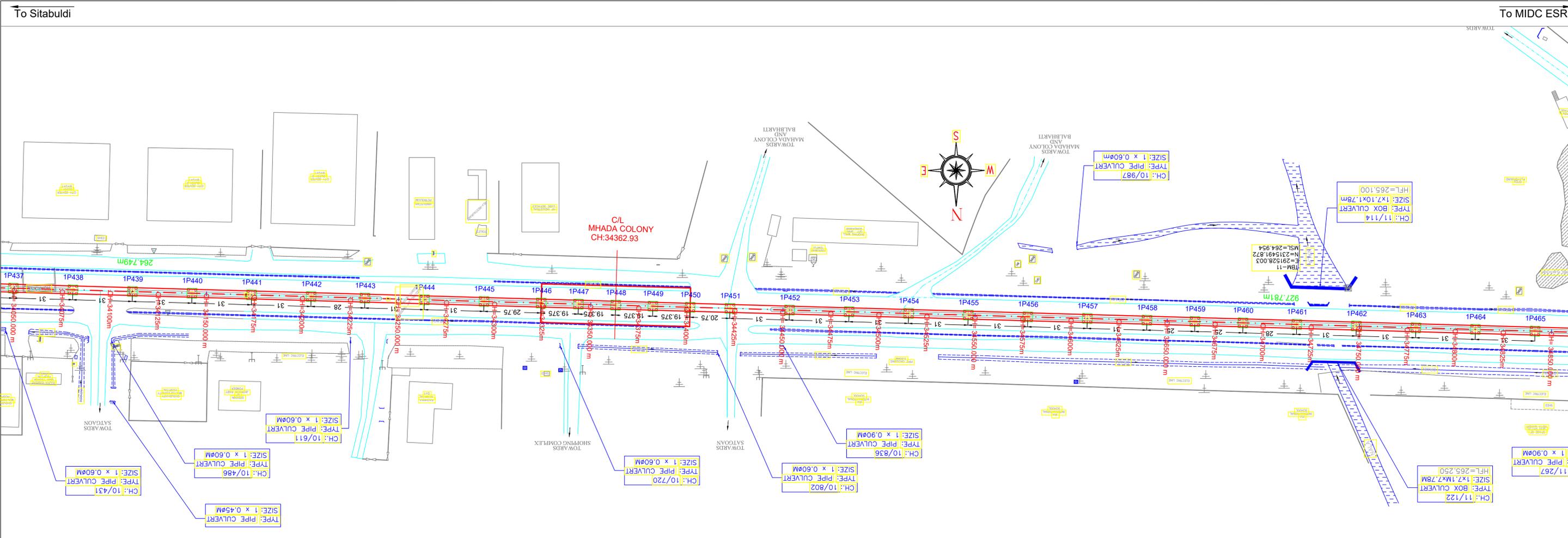


Note:-

- The drawings are based on the data available with Maha-Metro and are for reference purpose only. The bidder should verify the site on his own before submitting the bid.
- Vertical profile as indicated in this tender drawing is based on GL/Road Level as surveyed during preparation of DPR in 2018. Maha-Metro Doesn't own any responsibility for the accuracy of the same. Contractor will have to ascertain its final value and maintain the requisite minimum vertical clearance of 5.5m from flyover Road top level in consonance with provision of IRC: 86-2018. Also, at the remaining location, contractor shall maintain minimum vertical clearance of 5.8m from the existing road level.
- GAD furnished contains tentative span configuration proposed by the employer. However, Contractor shall put forward proposed span configuration before execution. Prior approval of Employer as specified in the bid document is required.
- The flyover details shown in blue colour in the L-section is tentative and may subject to change as per the execution drawing received from NHA/PWD.



Project Name: NAGPUR METRO RAIL PROJECT PHASE-II	
TITLE: PLAN & PROFILE OF REACH 1A (Elevated Section) (FOR TENDER PURPOSE ONLY)	Updated Month: December 2023
DWG NO. MM/Pig/NIT/NGP PH-II/1A/R1/2023	Scale: $H=1:1000$ $V=1:500$ A1
	Revision No. 01 Revision date 29/12/2023
	START OF ELEVATED SECTION TO MIDC ESR (CORRIDOR 1A)
	SHEET NO.: 18 OF 25



ELEVATED SECTION

Note: -

- The drawings are based on the data available with Maha-Metro and are for reference purpose only. The bidder should verify the site on his own before submitting the bid.
- Vertical profile as indicated in this tender drawing is based on GL/Road Level as surveyed during preparation of DPR in 2018. Maha-Metro Doesn't own any responsibility for the accuracy of the same. Contractor will have to ascertain its final value and maintain the requisite minimum vertical clearance of 5.5m from flyover Road top level in consonance with provision of IRC: 86-2018. Also, at the remaining location, contractor shall maintain minimum vertical clearance of 5.8m from the existing road level.
- GAD furnished contains tentative span configuration proposed by the employer. However, Contractor shall put forward proposed span configuration before execution. Prior approval of Employer as specified in the bid document is required.
- The flyover details shown in blue colour in the L-section is tentative and may subject to change as per the execution drawing received from NHA/PWD.

MAHARASHTRA METRO RAIL CORPORATION LIMITED
METRO BHAVAN, INFRONT OF DR. BABASAHEB AMBEDKAR COLLEGE, DEEKSHABHOOMI, NAGPUR - 440010

Project Name: **NAGPUR METRO RAIL PROJECT PHASE-II**

TITLE: **PLAN & PROFILE OF REACH 1A (Elevated Section) (FOR TENDER PURPOSE ONLY)**

DWG NO. **MM/Pig/NIT/NGP PH-II/1A/R1/2023**

Updated Month: **December 2023**

Scale: $H=1:1000$ $V=1:500$ A1

Revision No. **01**

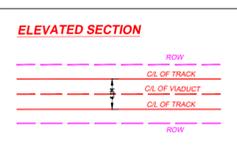
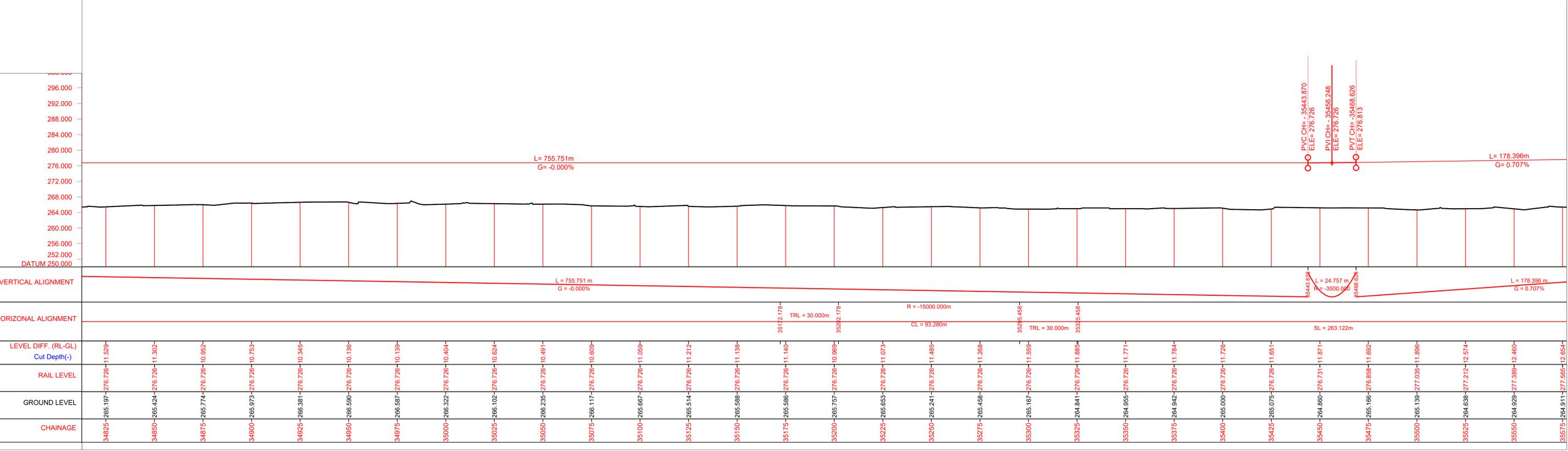
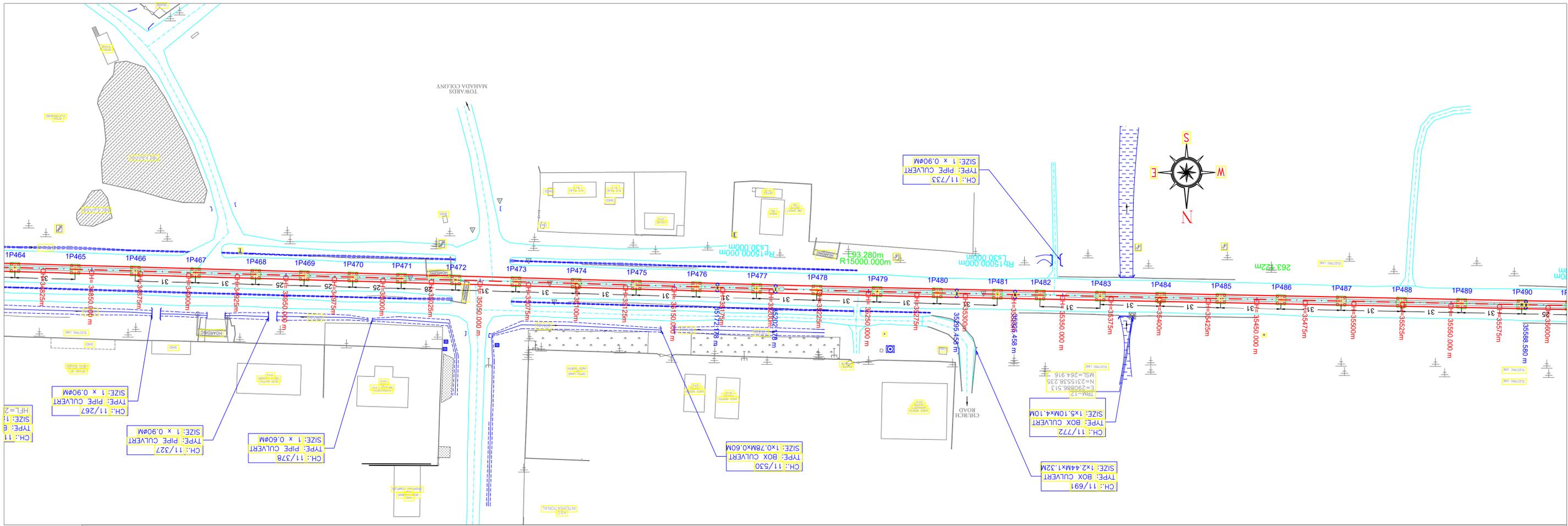
Revision date **29/12/2023**

START OF ELEVATED SECTION TO MIDC ESR (CORRIDOR 1A)

SHEET NO.: **19 OF 25**

To Sitabuldi

To MIDC ESR



Note: -

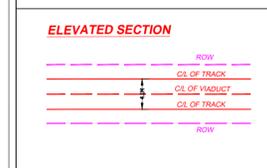
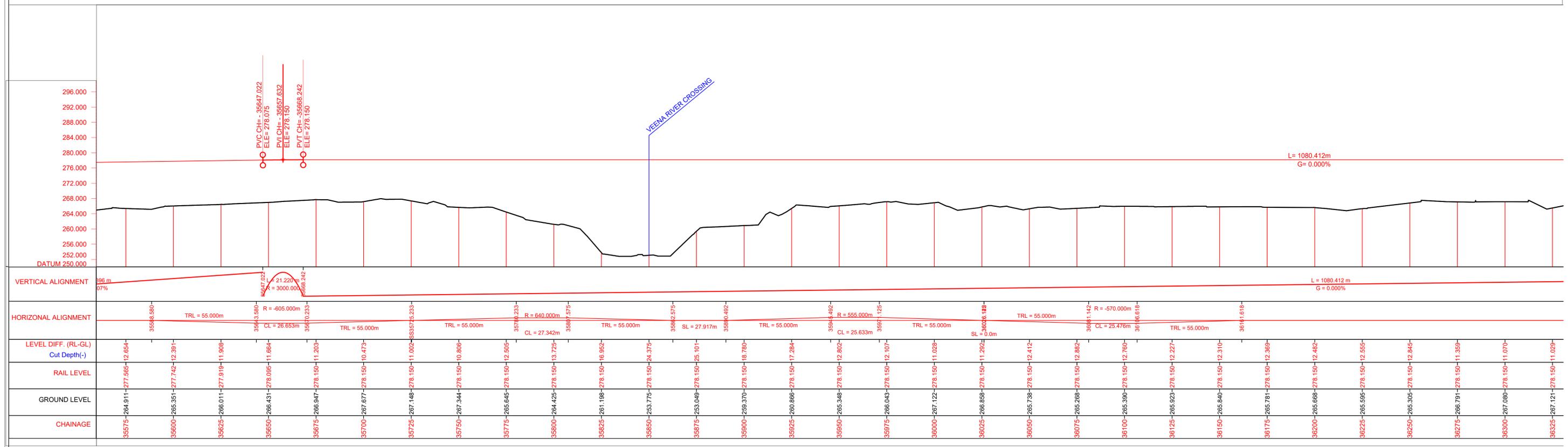
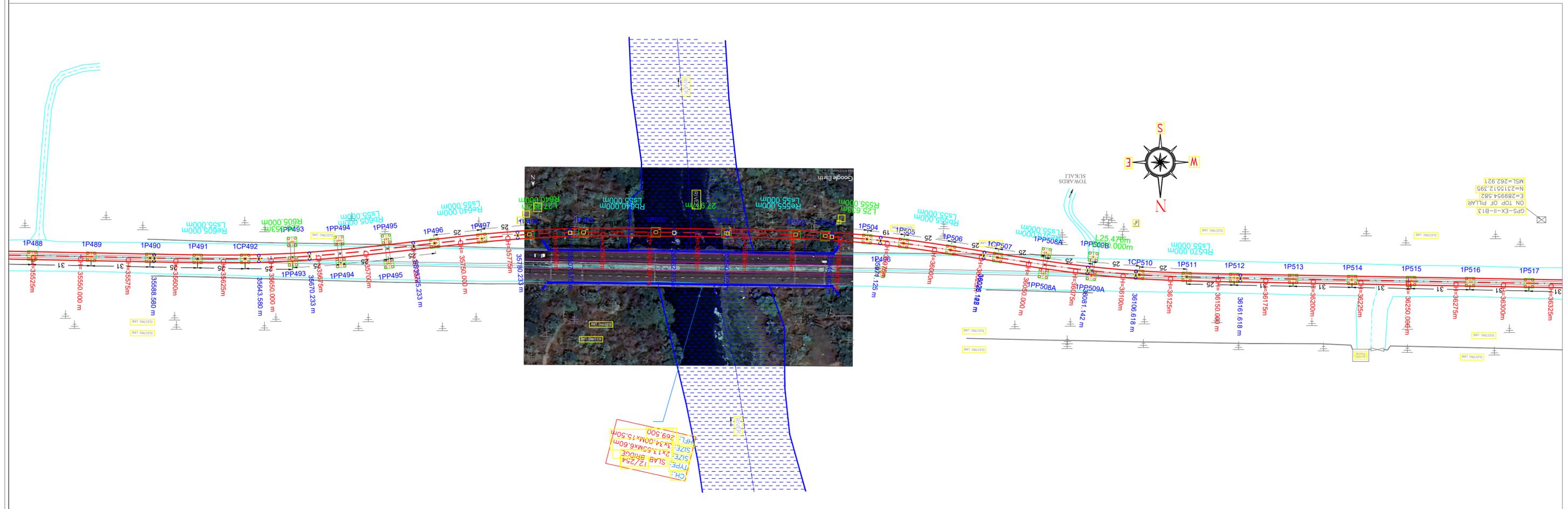
- The drawings are based on the data available with Maha-Metro and are for reference purpose only. The bidder should verify the site on his own before submitting the bid.
- Vertical profile as indicated in this tender drawing is based on GL/Road Level as surveyed during preparation of DPR in 2018. Maha-Metro Doesn't own any responsibility for the accuracy of the same. Contractor will have to ascertain its final value and maintain the requisite minimum vertical clearance of 5.5m from flyover Road top level in consonance with provision of IRC: 86-2018. Also, at the remaining location, contractor shall maintain minimum vertical clearance of 5.8m from the existing road level.
- GAD furnished contains tentative span configuration proposed by the employer. However, Contractor shall put forward proposed span configuration before execution. Prior approval of Employer as specified in the bid document is required.
- The flyover details shown in blue colour in the L-section is tentative and may subject to change as per the execution drawing received from NHA/PWD.

MAHARASHTRA METRO RAIL CORPORATION LIMITED
 METRO BHAVAN, INFRONT OF DR. BABASAHEB AMBEDKAR COLLEGE, DEEKSHABHOOMI, NAGPUR - 440010

Project Name: NAGPUR METRO RAIL PROJECT PHASE-II	
TITLE: PLAN & PROFILE OF REACH 1A (Elevated Section) (FOR TENDER PURPOSE ONLY)	Updated Month: December 2023
DWG NO. MM/Pig/NIT/NGP PH-II/1A/R1/2023	Scale: $H=1:1000$ $V=1:500$ A1 Revision No. 01 Revision date 29/12/2023
SHEET NO.: 20 OF 25	

To Sitabuldi

To MIDC ESR



Note: -

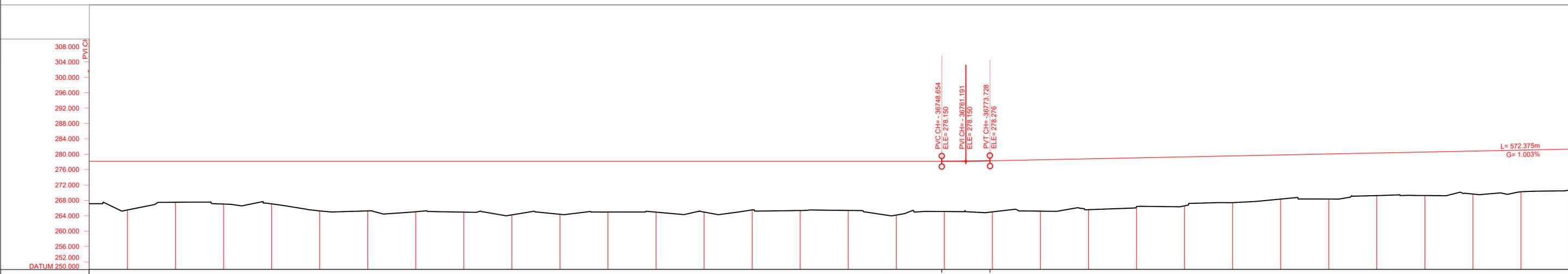
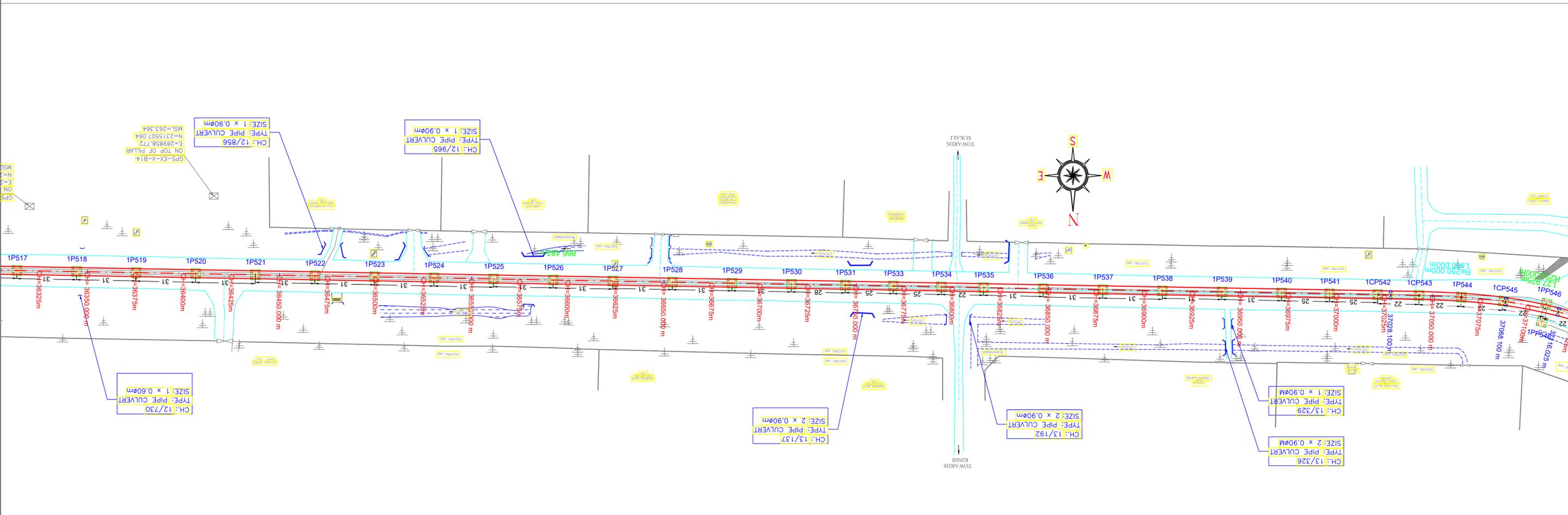
- The drawings are based on the data available with Maha-Metro and are for reference purpose only. The bidder should verify the site on his own before submitting the bid.
- Vertical profile as indicated in this tender drawing is based on GL/Road Level as surveyed during preparation of DPR in 2018. Maha-Metro Doesn't own any responsibility for the accuracy of the same. Contractor will have to ascertain its final value and maintain the requisite minimum vertical clearance of 5.5m from flyover Road top level in consonance with provision of IRC: 86-2018. Also, at the remaining location, contractor shall maintain minimum vertical clearance of 5.8m from the existing road level.
- GAD furnished contains tentative span configuration proposed by the employer. However, Contractor shall put forward proposed span configuration before execution. Prior approval of Employer as specified in the bid document is required.
- The flyover details shown in blue colour in the L-section is tentative and may subject to change as per the execution drawing received from NHA/PWD.



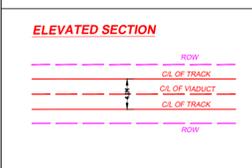
Project Name: NAGPUR METRO RAIL PROJECT PHASE-II	
TITLE: PLAN & PROFILE OF REACH 1A (Elevated Section) (FOR TENDER PURPOSE ONLY)	Updated Month: December 2023
DWG NO. MM/Pig/NIT/NGP PH-II/1A/R1/2023	Scale: $H=1:1000$ $V=1:500$ A1
Revision No. 01	Revision date 29/12/2023
START OF ELEVATED SECTION TO MIDC ESR (CORRIDOR 1A)	
SHEET NO.: 21 OF 25	

To Sitabuldi

To MIDC ESR



LEVEL DIFF. (RL-GL) Cut Depth(-)	RAIL LEVEL	GROUND LEVEL	CHAINAGE
36325-267.121-278.150-11.029			36325
36350-265.479-278.150-12.671			36350
36375-267.489-278.150-10.661			36375
36400-267.019-278.150-11.131			36400
36425-267.064-278.150-11.086			36425
36450-265.211-278.150-12.939			36450
36475-265.228-278.150-12.922			36475
36500-265.023-278.150-13.127			36500
36525-264.915-278.150-13.235			36525
36550-264.194-278.150-13.956			36550
36575-264.368-278.150-13.782			36575
36600-264.537-278.150-13.213			36600
36625-264.913-278.150-13.237			36625
36650-264.943-278.150-13.207			36650
36675-265.491-278.150-12.659			36675
36700-265.330-278.150-12.820			36700
36725-265.363-278.150-12.787			36725
36750-264.143-278.150-14.007			36750
36775-265.071-278.289-13.218			36775
36800-264.874-278.539-13.565			36800
36825-265.170-278.790-13.620			36825
36850-265.563-279.041-13.488			36850
36875-266.319-279.292-12.973			36875
36900-266.588-279.542-12.964			36900
36925-267.396-279.793-12.397			36925
36950-268.318-280.044-11.726			36950
36975-268.324-280.295-11.971			36975
37000-269.210-280.545-11.335			37000
37025-269.232-280.796-11.564			37025
37050-268.623-281.047-11.424			37050
37075-420.197-281.298-11.101			37075

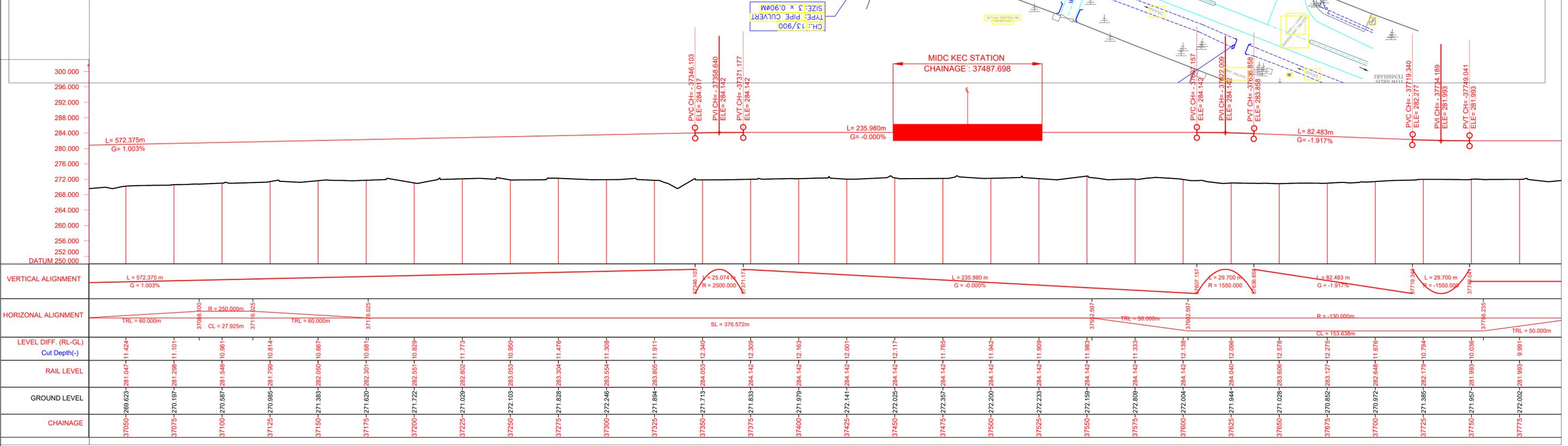
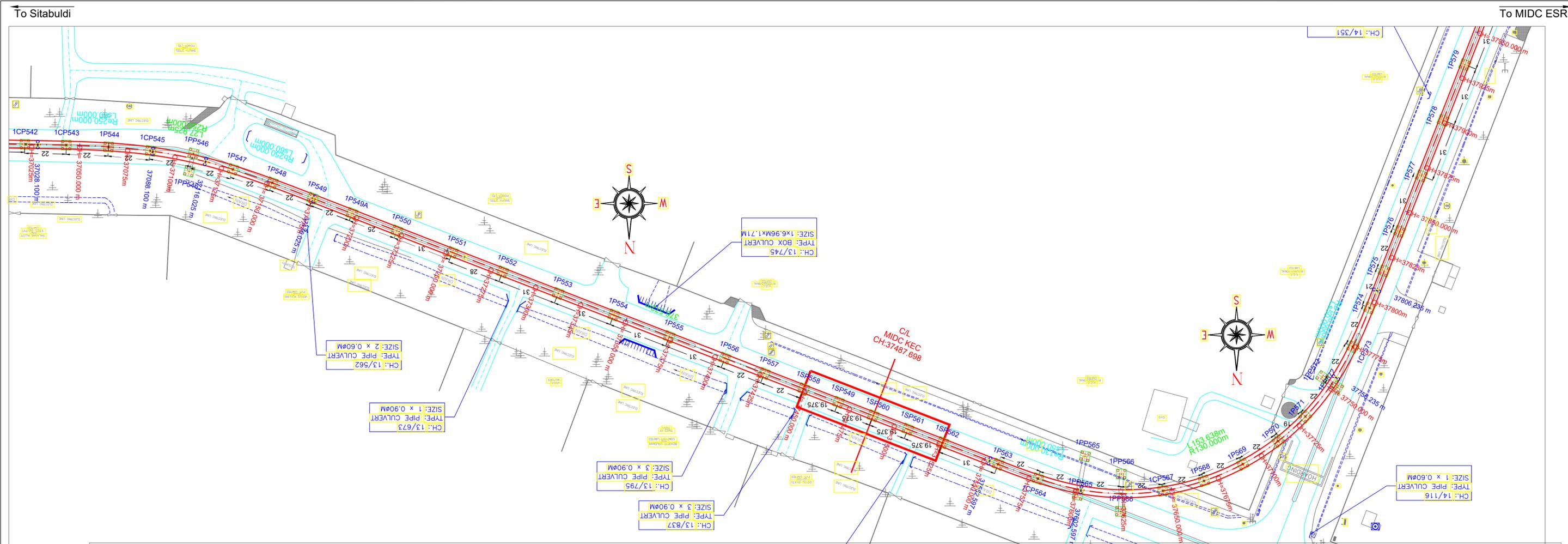


Note: -

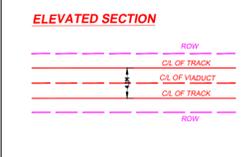
- The drawings are based on the data available with Maha-Metro and are for reference purpose only. The bidder should verify the site on his own before submitting the bid.
- Vertical profile as indicated in this tender drawing is based on GL/Road Level as surveyed during preparation of DPR in 2018. Maha-Metro Doesn't own any responsibility for the accuracy of the same. Contractor will have to ascertain its final value and maintain the requisite minimum vertical clearance of 5.5m from flyover Road top level in consonance with provision of IRC: 86-2018. Also, at the remaining location, contractor shall maintain minimum vertical clearance of 5.8m from the existing road level.
- GAD furnished contains tentative span configuration proposed by the employer. However, Contractor shall put forward proposed span configuration before execution. Prior approval of Employer as specified in the bid document is required.
- The flyover details shown in blue colour in the L-section is tentative and may subject to change as per the execution drawing received from NHA/PWD.

MAHARASHTRA METRO RAIL CORPORATION LIMITED
 METRO BHAVAN, INFRONT OF DR. BABASAHEB AMBEDKAR COLLEGE, DEEKSHABHOOMI, NAGPUR - 440010

Project Name: NAGPUR METRO RAIL PROJECT PHASE-II	
TITLE: PLAN & PROFILE OF REACH 1A (Elevated Section) (FOR TENDER PURPOSE ONLY)	Updated Month: December 2023
DWG NO. MM/Pig/NIT/NGP PH-II/1A/R1/2023	Scale: H=1:1000, V=1:500, A1, Revision No. 01 , Revision date 29/12/2023
START OF ELEVATED SECTION TO MIDC ESR (CORRIDOR 1A)	
SHEET NO.: 22 OF 25	



VERTICAL ALIGNMENT	HORIZONTAL ALIGNMENT	LEVEL DIFF. (RL-GL) Cut Depth(-)	RAIL LEVEL	GROUND LEVEL	CHAINAGE		
L = 572.375 m G = 1.003%	TRL = 60.000m R = 250.000m CL = 27.925m TRL = 60.000m SL = 376.572m	37050-289.823-281.047-11.424 37075-270.197-281.298-11.101 37100-270.587-281.549-10.981 37125-270.985-281.799-10.814 37150-271.383-282.050-10.667 37175-271.820-282.301-10.681 37200-271.722-282.551-10.829 37225-271.029-282.802-11.779 37250-272.103-283.053-10.950 37275-271.828-283.304-11.476 37300-272.246-283.554-11.308 37325-271.894-283.805-11.911 37350-271.713-284.053-12.340 37375-271.833-284.142-12.309 37400-271.979-284.142-12.163 37425-272.141-284.142-12.001 37450-272.025-284.142-12.117 37475-272.357-284.142-11.785 37500-272.200-284.142-11.942 37525-272.233-284.142-11.909 37550-272.159-284.142-11.983 37575-272.809-284.142-11.333 37600-272.004-284.142-12.138 37625-271.944-284.040-12.096 37650-271.028-283.805-12.576 37675-270.852-283.127-12.275 37700-270.972-282.648-11.676 37725-271.385-282.179-10.794 37750-271.957-281.993-10.036 37775-272.002-281.993-9.991	37050-289.823-281.047-11.424 37075-270.197-281.298-11.101 37100-270.587-281.549-10.981 37125-270.985-281.799-10.814 37150-271.383-282.050-10.667 37175-271.820-282.301-10.681 37200-271.722-282.551-10.829 37225-271.029-282.802-11.779 37250-272.103-283.053-10.950 37275-271.828-283.304-11.476 37300-272.246-283.554-11.308 37325-271.894-283.805-11.911 37350-271.713-284.053-12.340 37375-271.833-284.142-12.309 37400-271.979-284.142-12.163 37425-272.141-284.142-12.001 37450-272.025-284.142-12.117 37475-272.357-284.142-11.785 37500-272.200-284.142-11.942 37525-272.233-284.142-11.909 37550-272.159-284.142-11.983 37575-272.809-284.142-11.333 37600-272.004-284.142-12.138 37625-271.944-284.040-12.096 37650-271.028-283.805-12.576 37675-270.852-283.127-12.275 37700-270.972-282.648-11.676 37725-271.385-282.179-10.794 37750-271.957-281.993-10.036 37775-272.002-281.993-9.991	37050-289.823-281.047-11.424 37075-270.197-281.298-11.101 37100-270.587-281.549-10.981 37125-270.985-281.799-10.814 37150-271.383-282.050-10.667 37175-271.820-282.301-10.681 37200-271.722-282.551-10.829 37225-271.029-282.802-11.779 37250-272.103-283.053-10.950 37275-271.828-283.304-11.476 37300-272.246-283.554-11.308 37325-271.894-283.805-11.911 37350-271.713-284.053-12.340 37375-271.833-284.142-12.309 37400-271.979-284.142-12.163 37425-272.141-284.142-12.001 37450-272.025-284.142-12.117 37475-272.357-284.142-11.785 37500-272.200-284.142-11.942 37525-272.233-284.142-11.909 37550-272.159-284.142-11.983 37575-272.809-284.142-11.333 37600-272.004-284.142-12.138 37625-271.944-284.040-12.096 37650-271.028-283.805-12.576 37675-270.852-283.127-12.275 37700-270.972-282.648-11.676 37725-271.385-282.179-10.794 37750-271.957-281.993-10.036 37775-272.002-281.993-9.991	37050-289.823-281.047-11.424 37075-270.197-281.298-11.101 37100-270.587-281.549-10.981 37125-270.985-281.799-10.814 37150-271.383-282.050-10.667 37175-271.820-282.301-10.681 37200-271.722-282.551-10.829 37225-271.029-282.802-11.779 37250-272.103-283.053-10.950 37275-271.828-283.304-11.476 37300-272.246-283.554-11.308 37325-271.894-283.805-11.911 37350-271.713-284.053-12.340 37375-271.833-284.142-12.309 37400-271.979-284.142-12.163 37425-272.141-284.142-12.001 37450-272.025-284.142-12.117 37475-272.357-284.142-11.785 37500-272.200-284.142-11.942 37525-272.233-284.142-11.909 37550-272.159-284.142-11.983 37575-272.809-284.142-11.333 37600-272.004-284.142-12.138 37625-271.944-284.040-12.096 37650-271.028-283.805-12.576 37675-270.852-283.127-12.275 37700-270.972-282.648-11.676 37725-271.385-282.179-10.794 37750-271.957-281.993-10.036 37775-272.002-281.993-9.991	37050-289.823-281.047-11.424 37075-270.197-281.298-11.101 37100-270.587-281.549-10.981 37125-270.985-281.799-10.814 37150-271.383-282.050-10.667 37175-271.820-282.301-10.681 37200-271.722-282.551-10.829 37225-271.029-282.802-11.779 37250-272.103-283.053-10.950 37275-271.828-283.304-11.476 37300-272.246-283.554-11.308 37325-271.894-283.805-11.911 37350-271.713-284.053-12.340 37375-271.833-284.142-12.309 37400-271.979-284.142-12.163 37425-272.141-284.142-12.001 37450-272.025-284.142-12.117 37475-272.357-284.142-11.785 37500-272.200-284.142-11.942 37525-272.233-284.142-11.909 37550-272.159-284.142-11.983 37575-272.809-284.142-11.333 37600-272.004-284.142-12.138 37625-271.944-284.040-12.096 37650-271.028-283.805-12.576 37675-270.852-283.127-12.275 37700-270.972-282.648-11.676 37725-271.385-282.179-10.794 37750-271.957-281.993-10.036 37775-272.002-281.993-9.991	37050 37075 37100 37125 37150 37175 37200 37225 37250 37275 37300 37325 37350 37375 37400 37425 37450 37475 37500 37525 37550 37575 37600 37625 37650 37675 37700 37725 37750 37775



Note: -

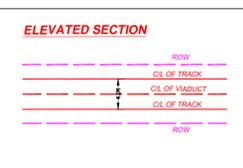
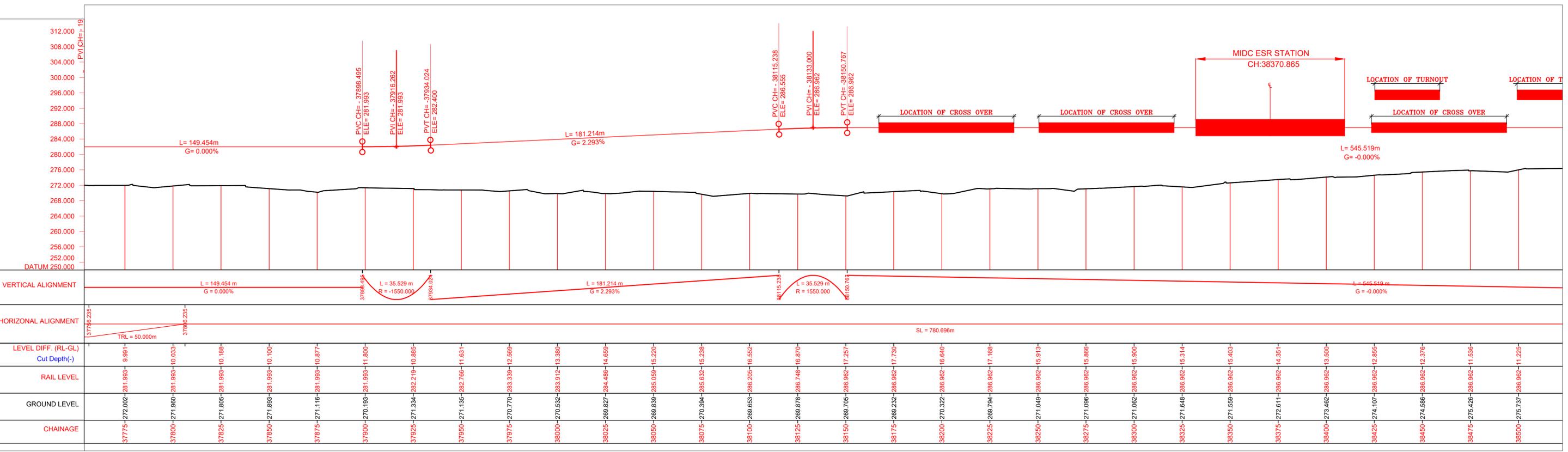
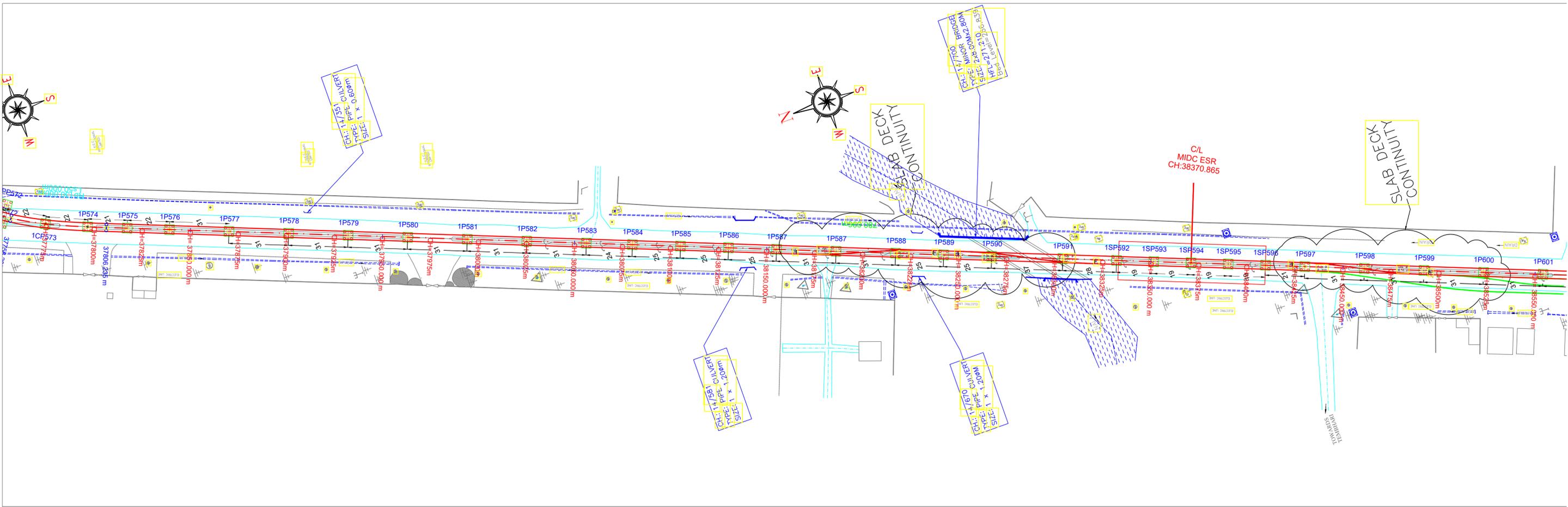
- The drawings are based on the data available with Maha-Metro and are for reference purpose only. The bidder should verify the site on his own before submitting the bid.
- Vertical profile as indicated in this tender drawing is based on GL/Road Level as surveyed during preparation of DPR in 2018. Maha-Metro Doesn't own any responsibility for the accuracy of the same. Contractor will have to ascertain its final value and maintain the requisite minimum vertical clearance of 5.5m from flyover Road top level in consonance with provision of IRC: 86-2018. Also, at the remaining location, contractor shall maintain minimum vertical clearance of 5.8m from the existing road level.
- GAD furnished contains tentative span configuration proposed by the employer. However, Contractor shall put forward proposed span configuration before execution. Prior approval of Employer as specified in the bid document is required.
- The flyover details shown in blue colour in the L-section is tentative and may subject to change as per the execution drawing received from NHA/PWD.

MAHARASHTRA METRO RAIL CORPORATION LIMITED
METRO BHAVAN, INFRONT OF DR. BABASAHEB AMBEDKAR COLLEGE, DEEKSHABHOOMI, NAGPUR - 440010

Project Name: NAGPUR METRO RAIL PROJECT PHASE-II	
TITLE: PLAN & PROFILE OF REACH 1A (Elevated Section) (FOR TENDER PURPOSE ONLY)	Updated Month: December 2023
DWG NO: MM/Pig/NIT/NGP PH-II/1A/R1/2023	Scale: H=1:1000 V=1:500 A1 Revision No. 01 Revision date 29/12/2023
START OF ELEVATED SECTION TO MIDC ESR (CORRIDOR 1A)	
SHEET NO.: 23 OF 25	

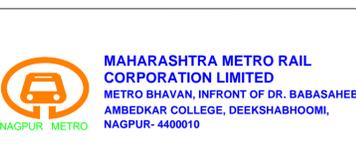
To Sitabuldi

To MIDC ESR



Note: -

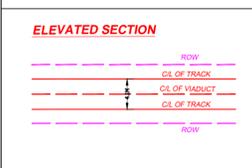
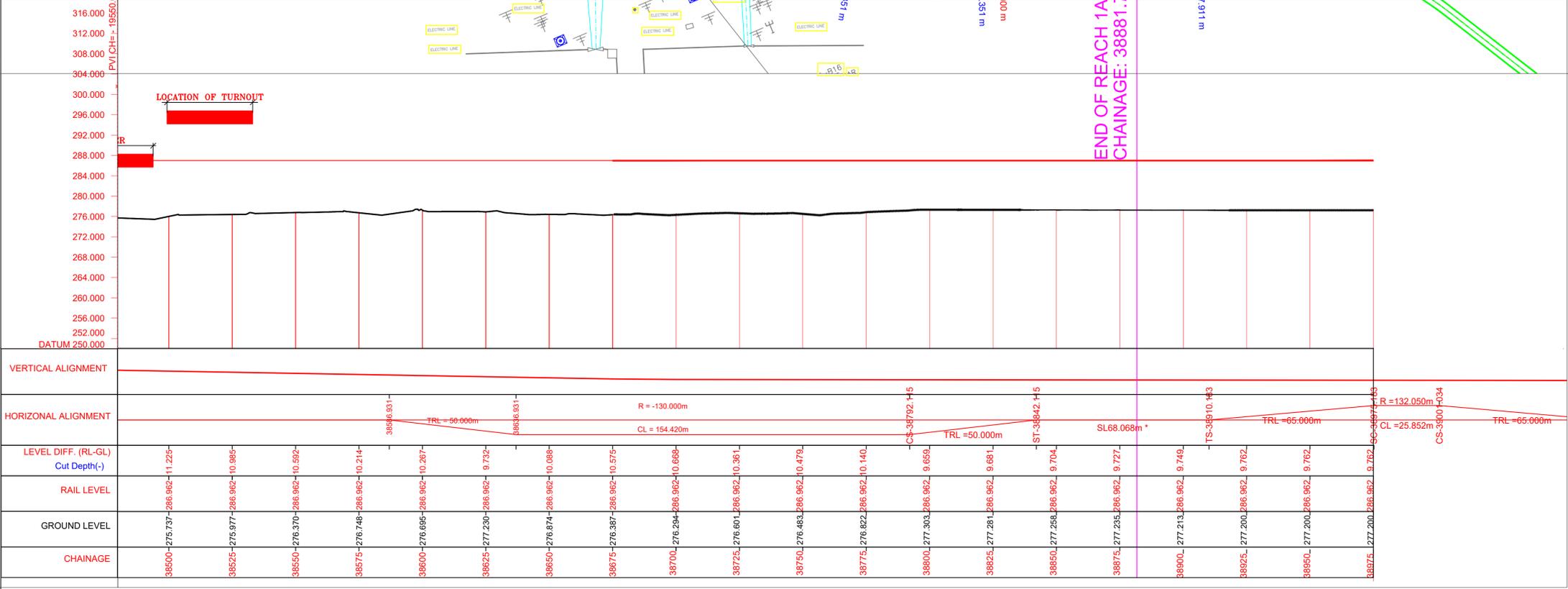
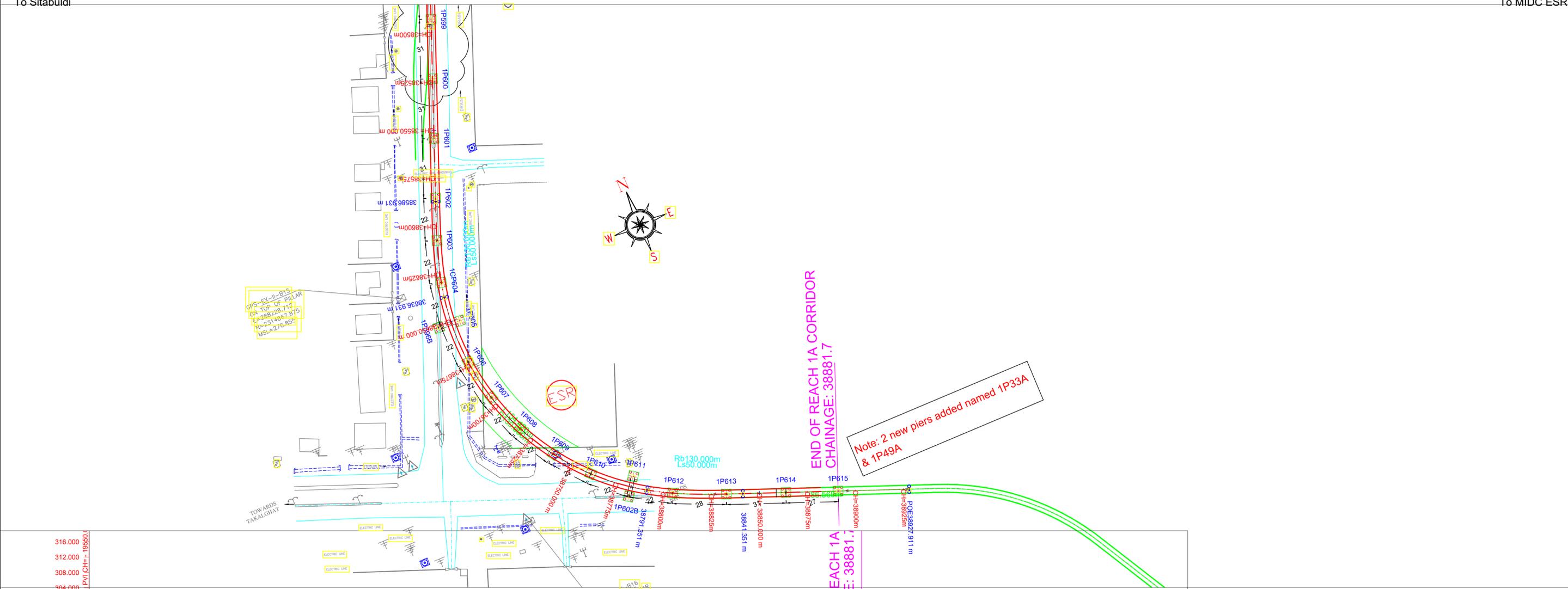
- The drawings are based on the data available with Maha-Metro and are for reference purpose only. The bidder should verify the site on his own before submitting the bid.
- Vertical profile as indicated in this tender drawing is based on GL/Road Level as surveyed during preparation of DPR in 2018. Maha-Metro Doesn't own any responsibility for the accuracy of the same. Contractor will have to ascertain its final value and maintain the requisite minimum vertical clearance of 5.5m from flyover Road top level in consonance with provision of IRC: 86-2018. Also, at the remaining location, contractor shall maintain minimum vertical clearance of 5.8m from the existing road level.
- GAD furnished contains tentative span configuration proposed by the employer. However, Contractor shall put forward proposed span configuration before execution. Prior approval of Employer as specified in the bid document is required.
- The flyover details shown in blue colour in the L-section is tentative and may subject to change as per the execution drawing received from NHA/PWD.



Project Name: NAGPUR METRO RAIL PROJECT PHASE-II	
TITLE: PLAN & PROFILE OF REACH 1A (Elevated Section) (FOR TENDER PURPOSE ONLY)	Updated Month: December 2023
DWG NO. MM/Pig/NIT/NGP PH-II/1A/R1/2023	Scale: H=1:1000 V=1:500 A1 Revision No. 01 Revision date 29/12/2023
SHEET NO.: 24 OF 25	

To Sitabuldi

To MIDC ESR

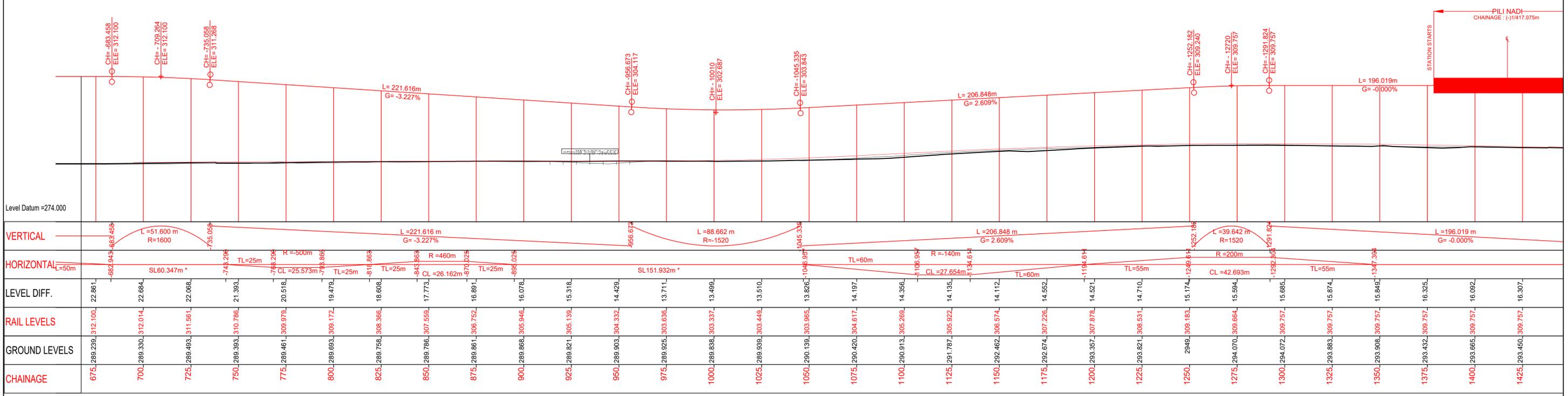
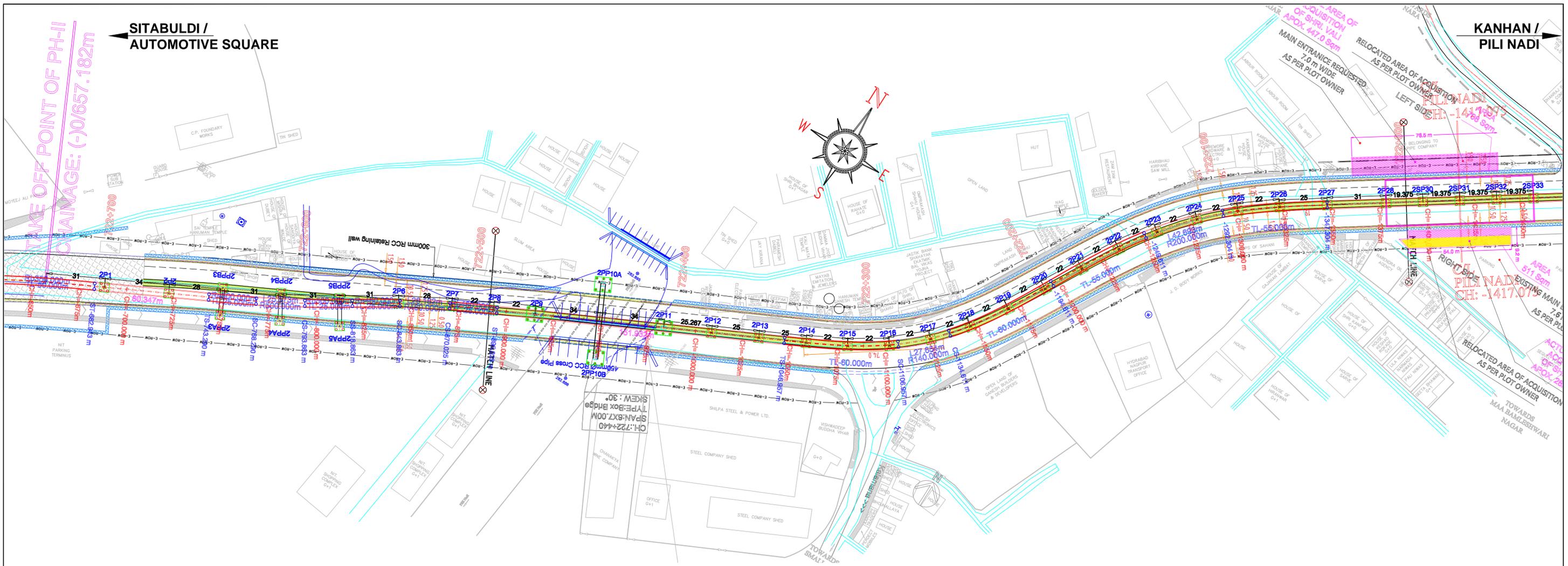


Note: -

- The drawings are based on the data available with Maha-Metro and are for reference purpose only. The bidder should verify the site on his own before submitting the bid.
- Vertical profile as indicated in this tender drawing is based on GL/Road Level as surveyed during preparation of DPR in 2018. Maha-Metro Doesn't own any responsibility for the accuracy of the same. Contractor will have to ascertain its final value and maintain the requisite minimum vertical clearance of 5.5m from flyover Road top level in consonance with provision of IRC: 86-2018. Also, at the remaining location, contractor shall maintain minimum vertical clearance of 5.8m from the existing road level.
- GAD furnished contains tentative span configuration proposed by the employer. However, Contractor shall put forward proposed span configuration before execution. Prior approval of Employer as specified in the bid document is required.
- The flyover details shown in blue colour in the L-section is tentative and may subject to change as per the execution drawing received from NHA/PWD.



Project Name: NAGPUR METRO RAIL PROJECT PHASE-II	
TITLE: PLAN & PROFILE OF REACH 1A (Elevated Section) (FOR TENDER PURPOSE ONLY)	Updated Month: December 2023
DWG NO. MM/PIg/NIT/NGP PH-II/1A/R1/2023	Scale: $H=1:1000$ $V=1:500$
	Revision No. 01 Revision date 29/12/2023
	START OF ELEVATED SECTION TO MIDC ESR (CORRIDOR 1A) SHEET NO.: 25 OF 25



LEVEL DIFF.	RAIL LEVELS	GROUND LEVELS	CHAINAGE
22.861	22.861	22.861	675
22.864	22.864	22.864	700
22.068	22.068	22.068	725
21.393	21.393	21.393	750
20.518	20.518	20.518	775
19.479	19.479	19.479	800
18.608	18.608	18.608	825
17.773	17.773	17.773	850
16.891	16.891	16.891	875
16.078	16.078	16.078	900
15.318	15.318	15.318	925
14.429	14.429	14.429	950
13.711	13.711	13.711	975
13.499	13.499	13.499	1000
13.510	13.510	13.510	1025
13.826	13.826	13.826	1050
14.197	14.197	14.197	1075
14.356	14.356	14.356	1100
14.195	14.195	14.195	1125
14.112	14.112	14.112	1150
14.552	14.552	14.552	1175
14.521	14.521	14.521	1200
14.710	14.710	14.710	1225
15.174	15.174	15.174	1250
15.594	15.594	15.594	1275
15.685	15.685	15.685	1300
15.874	15.874	15.874	1325
15.849	15.849	15.849	1350
16.325	16.325	16.325	1375
16.092	16.092	16.092	1400
16.307	16.307	16.307	1425

ELEVATED SECTION

LEGEND

- Existing work shown in GREY.
- Proposed Work shown in RED.
- Median/Paver block of 3m in median shown in GREEN.
- Footpath shown Color 152.

माझी मेट्रो
NAGPUR METRO

MAHARASHTRA METRO RAIL CORPORATION LIMITED
METRO BHAVAN, INFRONT OF DR. BABASAHEB AMBEDKAR COLLEGE, DEEKSHABHOOMI, NAGPUR- 4400010

Project Name: **NAGPUR METRO RAIL PROJECT PHASE-II**

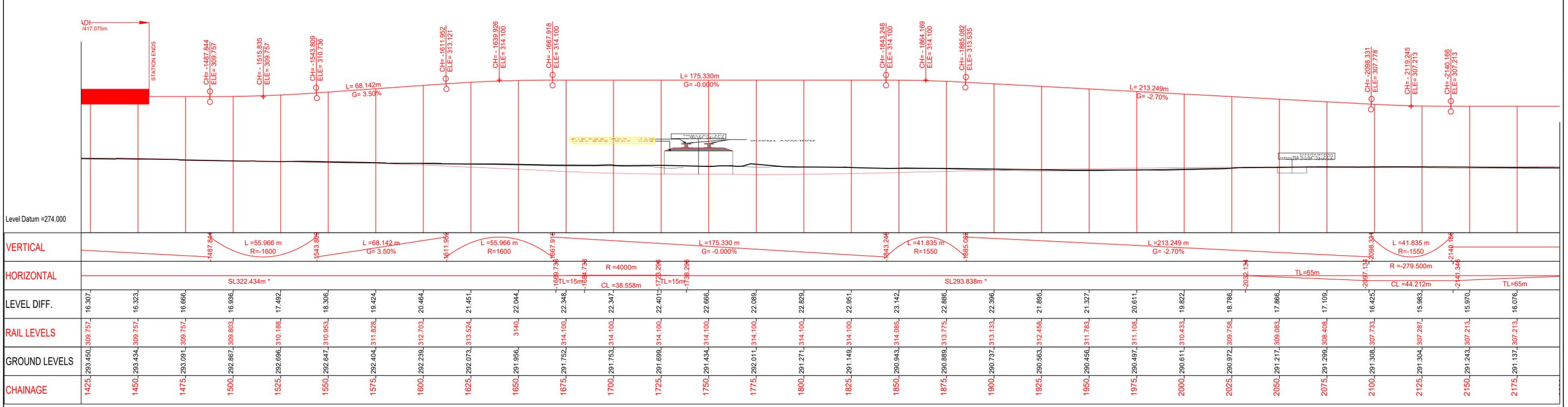
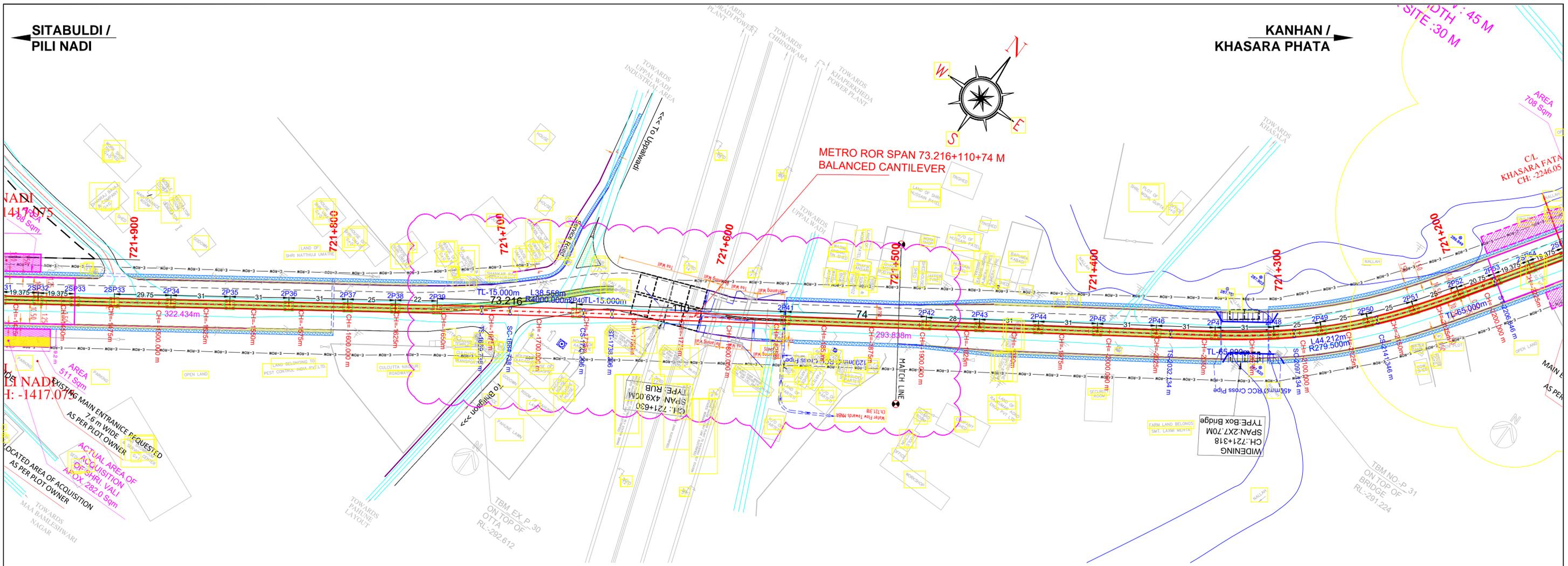
TITLE: **PLAN & PROFILE OF REACH 2A**
AUTOMOTIVE SQUARE TO KANHAN RIVER

Updated Month: **September 2023**

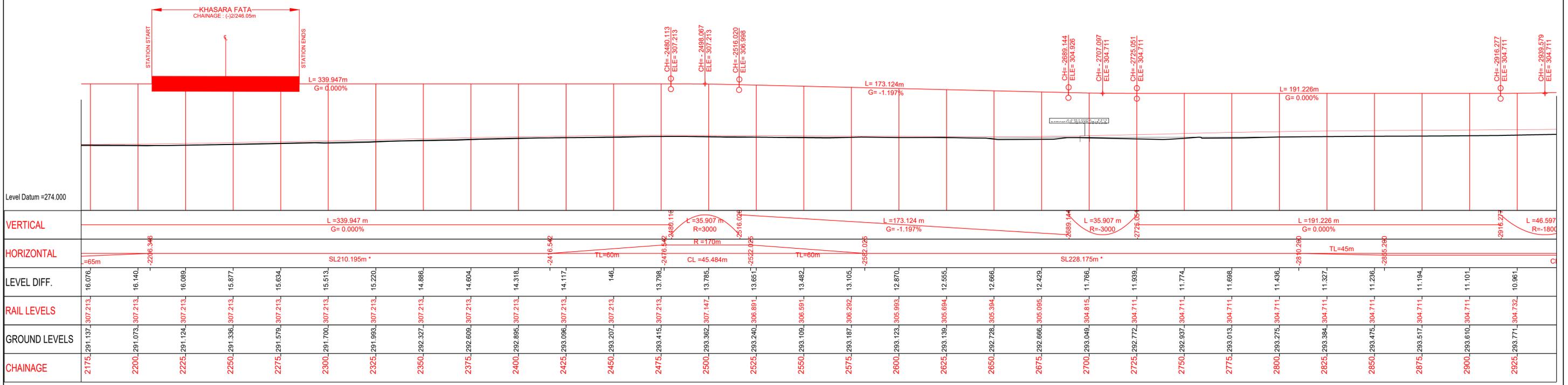
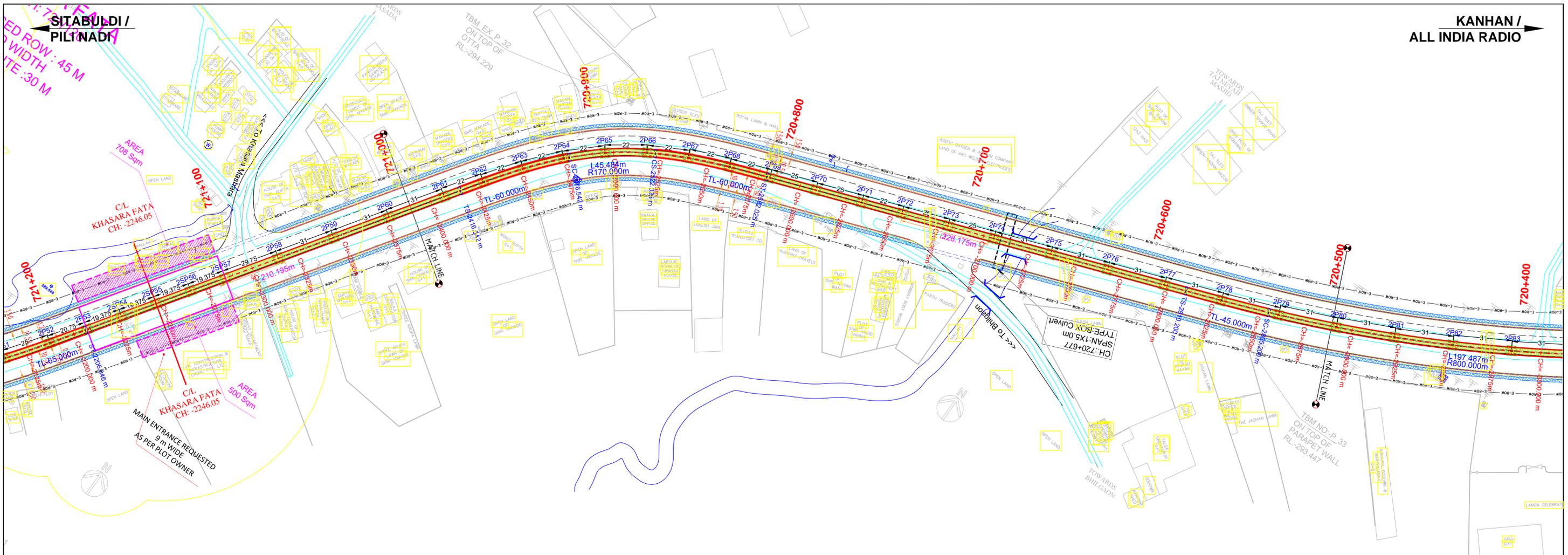
Scale: H=1:1000, V=1:500

Revision No. **01** | Revision date **04/09/2023**

DWG NO. **MM/PIg/NIT/NGP Ph-II/2A/R1/2023** | SHEET NO.: **01** OF **17**



ELEVATED SECTION 	LEGEND 1. Existing work shown in GREY. 2. Proposed Work shown in RED. 3. Median/Paver block of 3m in median shown in GREEN. 4. Footpath shown Color 152.	 MAHARASHTRA METRO RAIL CORPORATION LIMITED METRO BHAVAN, INFRONT OF DR. BABASAHEB AMBEDKAR COLLEGE, DEEKSHABHOOMI, NAGPUR- 4400010	Project Name: NAGPUR METRO RAIL PROJECT PHASE-II	
			TITLE: PLAN & PROFILE OF REACH 2A AUTOMOTIVE SQUARE TO KANHAN RIVER	
			Updated Month: September 2023	Scale: H=1:1000 V=1:500
		DWG NO. MM/PIg/NIT/NGP PH-II/2A/R1/2023	Revision No. 01	Revision date 04/09/2023
		AUTOMOTIVE SQUARE TO KANHAN RIVER (2A)		SHEET NO.: 02 OF 17



ELEVATED SECTION

Legend:

- Existing work shown in GREY.
- Proposed Work shown in RED.
- Median/Paver block of 3m in median shown in GREEN.
- Footpath shown Color 152.

MAHARASHTRA METRO RAIL CORPORATION LIMITED
 METRO BHAVAN, INFRONT OF DR. BABASAHEB AMBEDKAR COLLEGE, DEEKSHABHOOMI, NAGPUR- 4400010

Project Name: **NAGPUR METRO RAIL PROJECT PHASE-II**

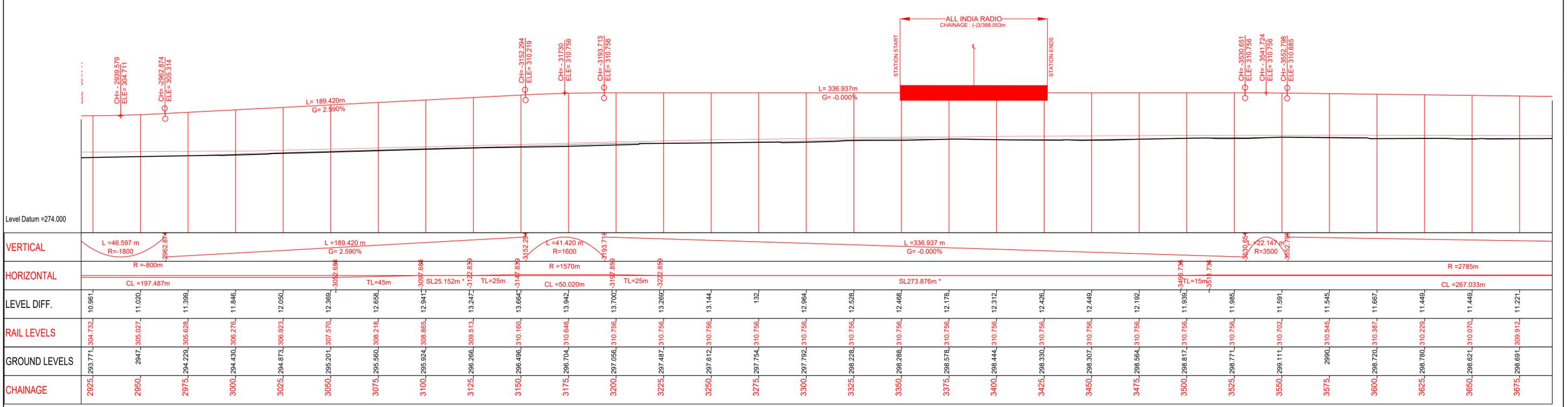
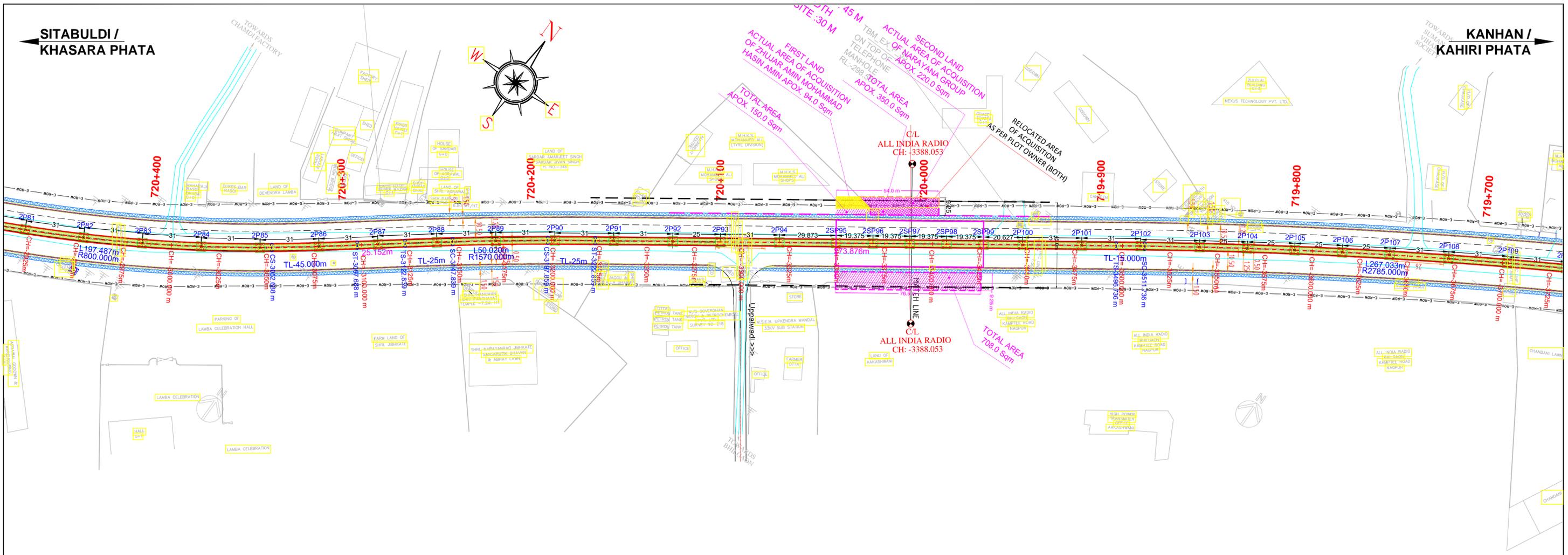
TITLE: **PLAN & PROFILE OF REACH 2A**
AUTOMOTIVE SQUARE TO KANHAN RIVER

Updated Month: **September 2023**

Scale: H=1:1000 V=1:500

Revision No. **01** | Revision date **04/09/2023**

DWG NO. **MM/PIg/NIT/NGP PH-II/2A/R1/2023** | SHEET NO.: **03 OF 17**



ELEVATED SECTION 	LEGEND 1. Existing work shown in GREY. 2. Proposed Work shown in RED. 3. Median/Paver block of 3m in median shown in GREEN. 4. Footpath shown Color 152.	 MAHARASHTRA METRO RAIL CORPORATION LIMITED METRO BHAVAN, INFRONT OF DR. BABASAHEB AMBEDKAR COLLEGE, DEEKSHABHOOI, NAGPUR- 4400010 NAGPUR METRO	Project Name: NAGPUR METRO RAIL PROJECT PHASE-II	
			TITLE: PLAN & PROFILE OF REACH 2A AUTOMOTIVE SQUARE TO KANHAN RIVER	
		Updated Month: September 2023		
		Scale: H=1:1000 V=1:500	Revision No. 01 Revision date 04/09/2023	
DWG NO. MM/PIg/NIT/NGP PH-II/2A/R1/2023		AUTOMOTIVE SQUARE TO KANHAN RIVER (2A)		
		SHEET NO.: 04 OF 17		