NAVI MUMBAI MUNICIPAL CORPORATION

DESIGN & CONSTRUCTION OF BRIDGE LINK CONNECTING AIROLI-GHANSOLI ALONG THE CREEK, NAVI MUMBAI

VOLUME-IV

TENDER DRAWINGS

PART - 01

Submitted by:

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Consultants Pvt Ltd.

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HIGHWAY DRAWINGS

SR.NO.	DESCRIPTION	DRAWING NO.
	INDEX PLAN	
1	INDEX PLAN FOR GHANSOLI CREEK BRIDGE	1623-GH-AI-DES-IP-001
	SURVEY PLAN	
2	SURVEY DRAWING FOR GHANSOLI CREEK BRIDGE (SHEET 1 OF 6)	1623-GH-AI-DES-SUR-001
	HIGHWAY PLAN & PROFILE	
3	PLAN AND PROFILE FOR GHANSOLI CREEK BRIDGE (PROPOSED MAIN FLYOVER)	1623-GH-AI-DES-PP-001
4	"PLAN AND PROFILE FOR GHANSOLI CREEK BRIDGE(PROPOSED MAIN FLYOVER)"	1623-GH-AI-DES-PP-002
5	"PLAN AND PROFILE FOR GHANSOLI CREEK BRIDGE(2 LANE FLYOVER TOWARDS KATAI NAKA)"	1623-GH-AI-DES-PP-003
6	"PLAN AND PROFILE FOR GHANSOLI CREEK BRIDGE(2 LANE FLYOVER TOWARDS KATAI NAKA)"	1623-GH-AI-DES-PP-004
7	PLAN AND PROFILE FOR GHANSOLI CREEK BRIDGE (PROPOSED UP RAMP TOWARDS MAIN FLYOVER)	1623-GH-AI-DES-PP-005
8	"PLAN AND PROFILE FOR GHANSOLI CREEK BRIDGE(2 LANE UP RAMP TOWARDS PROPOSED MAIN CARRIAGEWAY)"	1623-GH-AI-DES-PP-006
9	"PLAN AND PROFILE FOR GHANSOLI CREEK BRIDGE(DOWN RAMP TOWARDS AIROLI SIDE)"	1623-GH-AI-DES-PP-007
10	"PLAN AND PROFILE FOR GHANSOLI CREEK BRIDGE(DOWN RAMP TOWARS MULUND SIDE)"	1623-GH-AI-DES-PP-008
11	"SLIP ROAD PLAN AND PROFILE FOR GHANSOLI CREEK BRIDGE(LHS AND RHS)"	1623-GH-AI-DES-PP-009
	INTERCHANGE PLAN	
12	INTERCHANGE PLAN FOR GHANSOLI CREEK BRIDGE	1623-GH-AI-DES-INT-001
	TYPICAL CROSS SECTION	
13	TYPICAL CROSS SECTION 1-1 AT EARTHEN EMBANKMENT WITH RE WALL	1623-GH-AI-STR-TCS-001
14	TYPICAL CROSS SECTION 2-2 AT EARTHEN EMBANKMENT WITH RE WALL	1623-GH-AI-STR-TCS-002
15	TYPICAL CROSS SECTION 3-3 OF MERGING PORTION OF SLIP ROAD	1623-GH-AI-STR-TCS-003
16	TYPICAL CROSS SECTION 4-4 OF RAMP FOR 4 LANE ELEVATED FLYOVER WITH SLIP ROAD	1623-GH-AI-STR-TCS-004
17	CROSS SECTION FOR P01-B TO P05-B	1623-GH-AI-STR-TCS-005
18	CROSS SECTION FOR 2 LANE AT GRADE ROAD	1623-GH-AI-STR-TCS-006
	SIGNAGE DRAWING	
19	SIGNAGE LAYOUT PLAN FOR AIROLI-GHANSOLI CREEK BRIDGE (SHEET-1 OF 7)	1623-GH-AI-DES-SRM-001
20	SIGNAGE LAYOUT PLAN FOR AIROLI-GHANSOLI CREEK BRIDGE (SHEET-2 OF 7)	1623-GH-AI-DES-SRM-002
21	SIGNAGE LAYOUT PLAN FOR AIROLI-GHANSOLI CREEK BRIDGE (SHEET-3 OF 7)	1623-GH-AI-DES-SRM-003
22	SIGNAGE LAYOUT PLAN FOR AIROLI-GHANSOLI CREEK BRIDGE (SHEET-4 OF 7)	1623-GH-AI-DES-SRM-004
23	SIGNAGE LAYOUT PLAN FOR AIROLI-GHANSOLI CREEK BRIDGE (SHEET-5 OF 7)	1623-GH-AI-DES-SRM-005
24	SIGNAGE LAYOUT PLAN FOR AIROLI-GHANSOLI CREEK BRIDGE (SHEET-6 OF 7)	1623-GH-AI-DES-SRM-006
25	SIGNAGE LAYOUT PLAN FOR AIROLI-GHANSOLI CREEK BRIDGE (SHEET-7 OF 7)	1623-GH-AI-DES-SRM-007

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REV.	REVISION DETAILS	DRN BY	DATE	CHECKED BY	DATE	APRD BY	DATE
R1	FOR TENDER	SVM	27.04.2021	GUNA	T.H.R.	T.H.R.	27.04.2021
R0	FOR FEASIBILITY	S.N.M.	31.03.2021	GUNA	T.H.R.	T.H.R.	31.03.2021

DRAWING		DESIGN		APPROVED BY
DRAWING BY	CHECKED BY	DESIGN BY	CHECKED BY	
SHAIBAZ M.	SHIVANI M.	GUNA	T.H. RAO.	VINAY S.
DATE: 27.04.2021		DATE: 27.04.2021		

PROJECT: CONSTRUCTION OF CREEK BRIDGE CONNECTING GHANSOLI - AIROLI ALONG PALM BEACH ROAD AT GHANSOLI, NAVI MUMBAI ON EPC MODE.

TITLE: INDEX (SHEET 1-2)

DRG NO:

PROJECT NO.	REV.	SCALE
1623	R1	

Z:\1623_NMMC-Ghansoli Creek Bridge\05_DRAWINGS\STRUCTURE\FOR FINAL TENDER 28-10-2023\01 INDEX\02 Final INDEX.dwg
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STRUCTURAL DRAWINGS

GENERAL DRAWINGS		
1	INTERCHANGE PLAN FOR GHANSOLI CREEK BRIDGE (SHEET 1 & 2)	1623-GH-AI-DES-INT-001
2	GENERAL NOTES	1623-GH-AI-STR-NOTES
3	BORE HOLE PLAN AND DETAILS	1623-GH-AI-STR-BH-001
4	VELOCITY PROFILE	1623-GH-AI-STR-VCP-001
5	SEISMIC REFRACTTION SURVEY LOCATIONS	1623-GH-AI-STR-SRSL-001
BRIDGE-A		
6	GENERAL ARRANGEMENT DRAWING (SHEET 1 TO 5)	1623-GH-AI-STR-GAD-001
7	CROSS SECTION FOR P01-A to P09-A & P12-A TO P24-A	1623-GH-AI-STR-TCS-001
8	CROSS SECTION FOR P10-A & P11-A	1623-GH-AI-STR-TCS-002
9	CROSS SECTION OF ABUTMENT AP1A & AP2A	1623-GH-AI-STR-TCS-003
BRIDGE-B		
10	GENERAL ARRANGEMENT DRAWING (SHEET 1 TO 5)	1623-GH-AI-STR-GAD-002
11	CROSS SECTION FOR (P01-B TO P05-B) & PP6-B	1623-GH-AI-STR-TCS-004
12	CROSS SECTION AT PP7-B	1623-GH-AI-STR-TCS-005
13	CROSS SECTION AT PP8-B & PP9-B	1623-GH-AI-STR-TCS-006
14	CROSS SECTION AT PP10-B & (P11B, P19-B TO P21-B)	1623-GH-AI-STR-TCS-007
15	CROSS SECTION FOR (P12-B TO P18-B, P22-B TO P24-B, P31B, P32B) & (P25-B TO P30-B)	1623-GH-AI-STR-TCS-008
BRIDGE-C		
16	GENERAL ARRANGEMENT DRAWING (SHEET 1 TO 2)	1623-GH-AI-STR-GAD-003
17	CROSS SECTION AT PP1-C	1623-GH-AI-STR-TCS-009
18	CROSS SECTION AT PP2-C	1623-GH-AI-STR-TCS-010
19	CROSS SECTION AT PP3-C	1623-GH-AI-STR-TCS-011
20	CROSS SECTION AT PP4-C	1623-GH-AI-STR-TCS-012
21	CROSS SECTION AT PP5-C	1623-GH-AI-STR-TCS-013
22	CROSS SECTION AT PP6-C	1623-GH-AI-STR-TCS-014
23	CROSS SECTION AT PP7-C	1623-GH-AI-STR-TCS-015
24	CROSS SECTION AT PP8-C	1623-GH-AI-STR-TCS-016
25	CROSS SECTION AT PP9-C	1623-GH-AI-STR-TCS-017
26	CROSS SECTION AT PP10-C	1623-GH-AI-STR-TCS-018
27	CROSS SECTION AT PP11-C	1623-GH-AI-STR-TCS-019
28	CROSS SECTION AT PP12-C	1623-GH-AI-STR-TCS-020
29	CROSS SECTION AT PP13-C & PP14-C	1623-GH-AI-STR-TCS-021
RAMP-D		
30	GENERAL ARRANGEMENT DRAWING	1623-GH-AI-STR-GAD-004
31	CROSS SECTION AT PP1-D	1623-GH-AI-STR-TCS-022
32	CROSS SECTION AT PP2-D & (P03-D & P04-D)	1623-GH-AI-STR-TCS-023
RAMP-E		
33	GENERAL ARRANGEMENT DRAWING (SHEET 1 TO 2)	1623-GH-AI-STR-GAD-005
34	CROSS SECTION FOR P01-E TO P09-E	1623-GH-AI-STR-TCS-024
MISCELLANEOUS DRAWINGS		
35	ARRANGEMENT OF VIEWING DECK AT 100M OF INTERVAL	1623-GH-AI-STR-VD-001
36	NOISE BARRIER PLAN FOR GHANSOLI CREEK BRIDGE	1623-GH-AI-DES-NB-001
37	MISCELLANEOUS DRAWING (SHEET 1 OF 4)	1623-GH-AI-STR-MISC-001
38	T-JUNTION DEVELOPMENT AT 2+400	1623-GH-AI-DES-JD-001

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R0	FOR FEASIBILITY	S.N.M.	31.03.2021	GUNA	T.H.R.	31.03.2021	T.H.R.	31.03.2021

DRAWING		DESIGN		APPROVED BY
DRAWING BY	CHECKED BY	DESIGN BY	CHECKED BY	
SHAIBAZ M.	SHIVANI M.	GUNA	T.H. RAO.	VINAY S.
DATE: 27.04.2021		DATE: 27.04.2021		

PROJECT: **CONSTRUCTION OF CREEK BRIDGE CONNECTING GHANSOLI - AIROLI ALONG PALM BEACH ROAD AT GHANSOLI, NAVI MUMBAI ON EPC MODE.**

TITLE: INDEX (SHEET 2-2)

DRG NO:

PROJECT NO.	REV.	SCALE
1623	R1	

Z:\1623_NMMC-Ghansoli Creek Bridge\05_DRAWINGS\STRUCTURE\FOR FINAL TENDER 28-10-2023\01 INDEX\02 Final INDEX.dwg
Oct 30, 2023 - 2:00pm

HIGHWAY DRAWING

INDEX PLAN

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EXISTING CONDITION

PROPOSED CONDITION

PROPOSED PLAN

CONSULTING ENGINEERS:

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R1	FOR TENDER	T.M.	27.04.2021	A.S.	27.04.2021	VINAY S.	27.04.2021
R0	FOR FEASIBILITY	T.M.	31.03.2021	A.S.	31.03.2021	VINAY S.	31.03.2021

DRAWING		DESIGN		APPROVED BY
DRAWING BY	CHECKED BY	DESIGN BY	CHECKED BY	
TEJASHRI M.	ANIKET S.	ANIKET S.	AMAR M.	VINAY S.
DATE: 27.04.2021		DATE: 27.04.2021		

PROJECT: CONSTRUCTION OF CREEK BRIDGE CONNECTING GHANSOLI - AIROLI ALONG PALM BEACH ROAD AT GHANSOLI, NAVI MUMBAI ON EPC MODE.

TITLE: INDEX PLAN FOR GHANSOLI CREEK BRIDGE

DRG NO:	PROJECT NO.	REV.	SCALE	
1623-GH-AI-DES-IP-001	1623	R1	1:2500	A3

Z:\1623_NMMC-Ghansoli Creek Bridge\05_DRAWINGS\STRUCTURE\FOR FINAL TENDER 28-10-2023\02 HIGHWAY DRAWING\04 INDEX PLAN.dwg
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SURVEY PLAN

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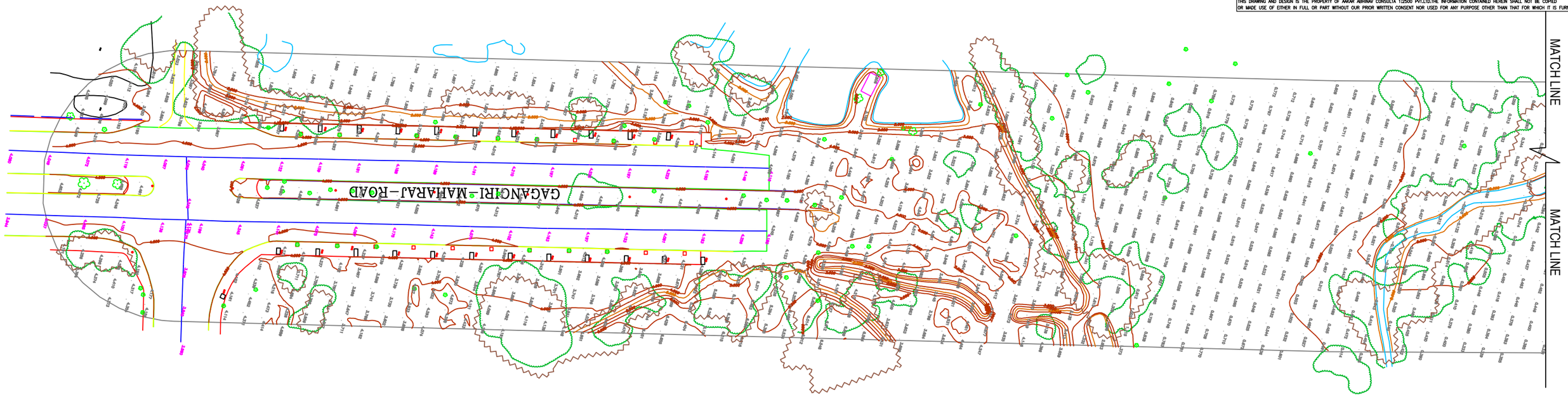

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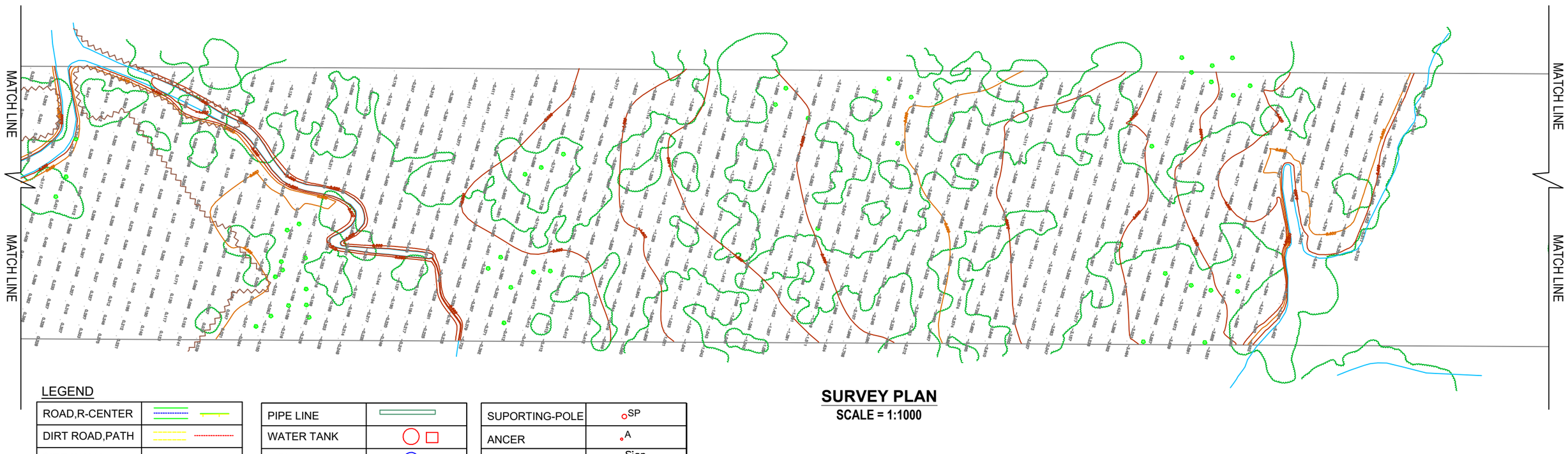

SURVEY PLAN
SCALE = 1:1000

LEGEND

ROAD,R-CENTER	
DIRT ROAD,PATH	
SIDE-WALK	
BRIDGE-DECK	
RIVER EDGE	
RIVER,NALA	
POND,MARSH	
GUTTER	

PIPE LINE	
WATER TANK	
WELL	WELL
CANOPY	
BUILDING	
POWER POLE,LINE	
LIGHT POLE	
ELECTRIC BOX	EV EV

SUPORTING-POLE	SP
ANCER	A
SIGN	Sign
WALL,RET.WALL	
CHAMBER	CVR
MANHOLE	
TREE,OBSCURED	
FENCE,POST	

CONSULTING ENGINEERS:

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R0	FOR TENDER	T.M.	31.03.2021	A.S.	A.S.	31.03.2021	VINAY S.	31.03.2021

DRAWING		DESIGN		APPROVED BY
DRAWING BY	CHECKED BY	DESIGN BY	CHECKED BY	
TEJASHRI M.	ANIKET S.	ANIKET S.	KISHOR K.	VINAY S.
DATE: 28.04.2021		DATE: 28.04.2021		

PROJECT: CONSTRUCTION OF CREEK BRIDGE CONNECTING GHANSOLI - AIROLI ALONG PALM BEACH ROAD AT GHANSOLI, NAVI MUMBAI ON EPC MODE.

TITLE: SURVEY DRAWING FOR GHANSOLI CREEK BRIDGE

DRG NO: 1623-GH-AI-DES-SUR-001 | PROJECT NO. 1623 | REV. R1 | SCALE AS SHOWN | A3

Z:\1623_NMMC-Ghansoli Creek Bridge\05_DRAWINGS\STRUCTURE\FOR FINAL TENDER 28-10-2023\02 HIGHWAY DRAWING\03 SURVEY PLAN\05 SURVEY DWG.dwg
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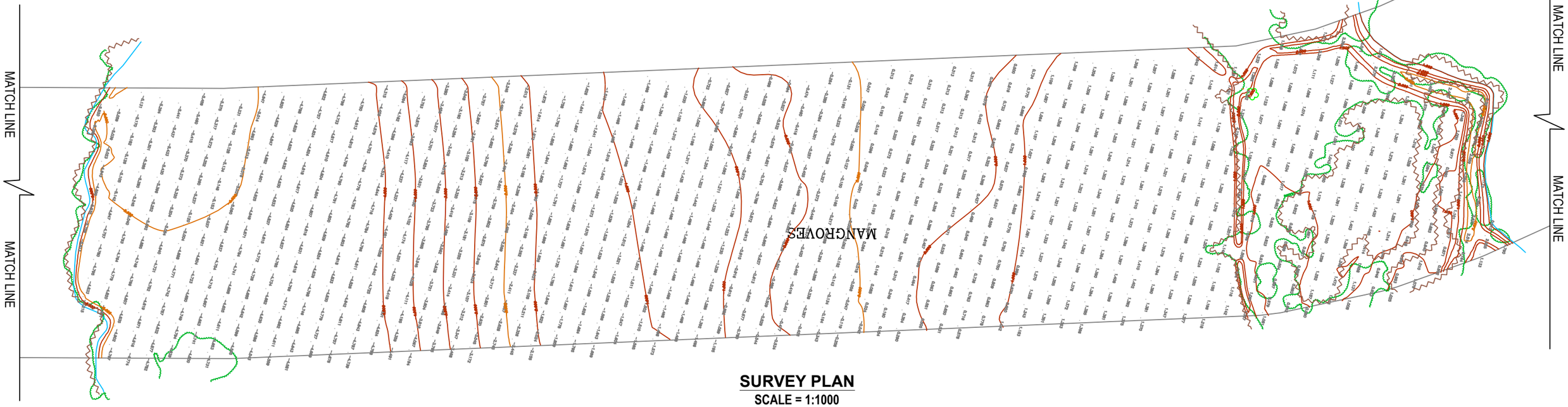

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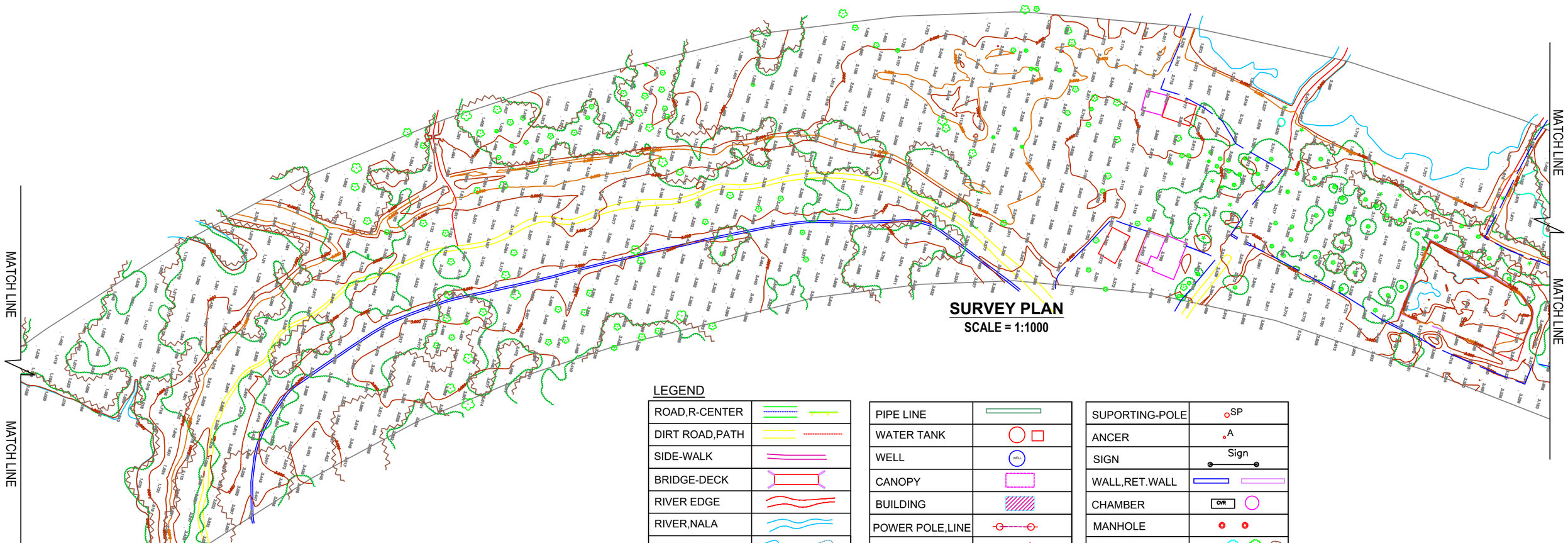

SURVEY PLAN
SCALE = 1:1000

LEGEND

ROAD,R-CENTER	
DIRT ROAD,PATH	
SIDE-WALK	
BRIDGE-DECK	
RIVER EDGE	
RIVER,NALA	
POND,MARSH	
GUTTER	

PIPE LINE	
WATER TANK	
WELL	WELL
CANOPY	
BUILDING	
POWER POLE,LINE	
LIGHT POLE	
ELECTRIC BOX	EV EV

SUPORTING-POLE	SP
ANCER	A
SIGN	Sign
WALL,RET.WALL	
CHAMBER	CVR
MANHOLE	
TREE,OBSCURED	
FENCE,POST	

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R0	FOR TENDER	T.M.	31.03.2021	A.S.	A.S.	31.03.2021	VINAY S.	31.03.2021

DRAWING		DESIGN		APPROVED BY
DRAWING BY	CHECKED BY	DESIGN BY	CHECKED BY	
TEJASHRI M.	ANIKET S.	ANIKET S.	KISHOR K.	VINAY S.
DATE: 28.04.2021		DATE: 28.04.2021		

PROJECT : CONSTRUCTION OF CREEK BRIDGE CONNECTING GHANSOLI - AIROLI ALONG PALM BEACH ROAD AT GHANSOLI, NAVI MUMBAI ON EPC MODE.

TITLE : SURVEY DRAWING FOR GHANSOLI CREEK BRIDGE

DRG NO: 1623-GH-AI-DES-SUR-002 | PROJECT NO. 1623 | REV. R1 | SCALE AS SHOWN | A3

Z:\1623_NMMC-Ghansoli Creek Bridge\05_DRAWINGS\STRUCTURE\FOR FINAL TENDER 28-10-2023\02 HIGHWAY DRAWING\03 SURVEY PLAN\05 SURVEY DWG.dwg
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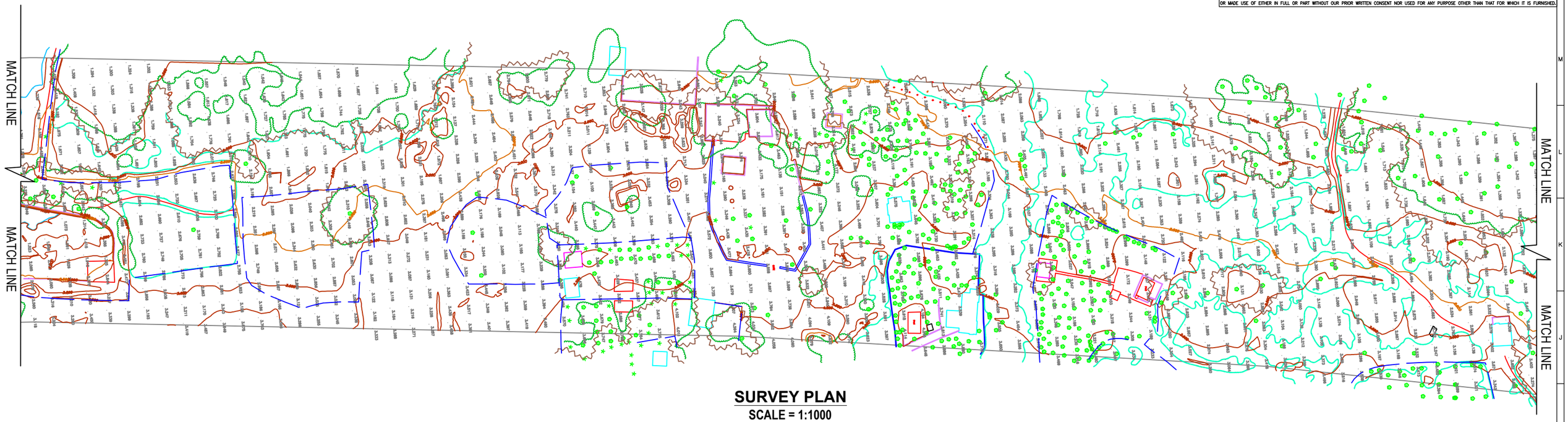
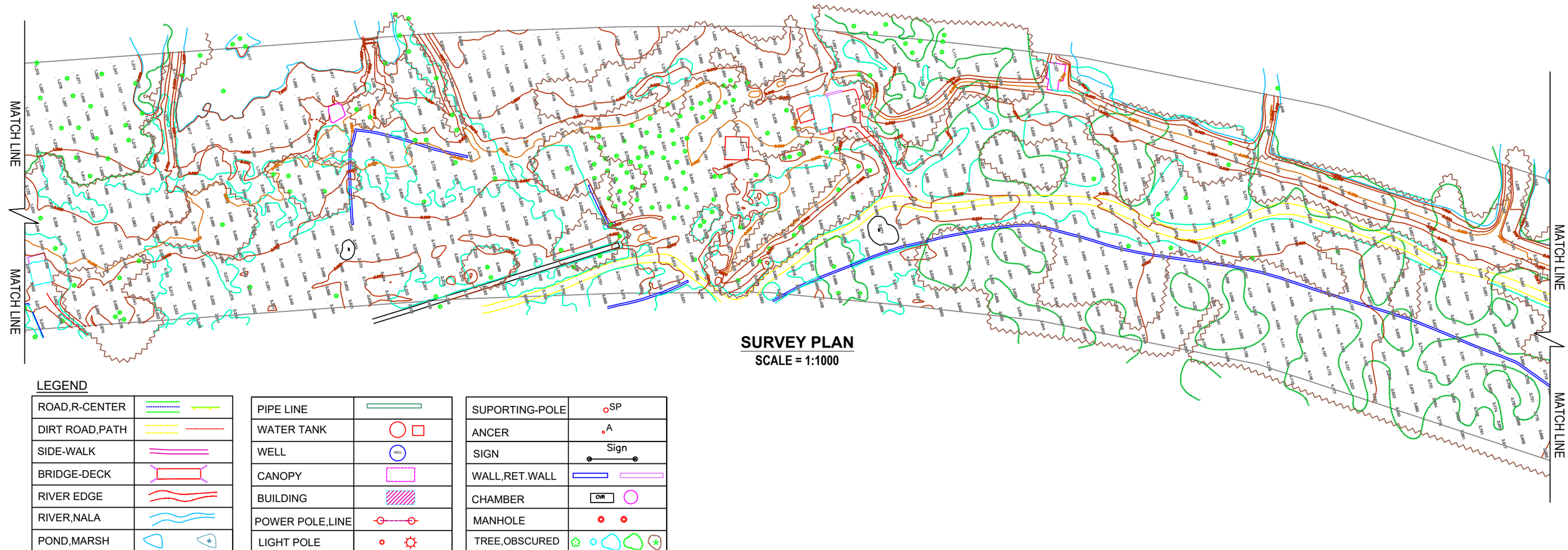


SURVEY PLAN

SCALE = 1:1000



SURVEY PLAN

SCALE = 1:1000

LEGEND

ROAD,R-CENTER	
DIRT ROAD,PATH	
SIDE-WALK	
BRIDGE-DECK	
RIVER EDGE	
RIVER,NALA	
POND,MARSH	
GUTTER	

PIPE LINE	
WATER TANK	
WELL	WELL
CANOPY	
BUILDING	
POWER POLE,LINE	
LIGHT POLE	
ELECTRIC BOX	EV EV

SUPORTING-POLE	SP
ANCER	A
SIGN	Sign
WALL,RET.WALL	
CHAMBER	CVR
MANHOLE	
TREE,OBSCURED	
FENCE,POST	

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DRAWING BY	CHECKED BY	DESIGN BY	CHECKED BY	
TEJASHRI M.	ANIKET S.	ANIKET S.	KISHOR K.	VINAY S.
DATE: 28.04.2021		DATE: 28.04.2021		

PROJECT CONSTRUCTION OF CREEK BRIDGE CONNECTING GHANSOLI - AIROLI ALONG PALM BEACH ROAD AT GHANSOLI, NAVI MUMBAI ON EPC MODE.

TITLE : SURVEY DRAWING FOR GHANSOLI CREEK BRIDGE

DRG NO: 1623-GH-AI-DES-SUR-003 | PROJECT NO. 1623 | REV. R1 | SCALE AS SHOWN | A3

Z:\1623_NMMC-Ghansoli Creek Bridge\05_DRAWINGS\STRUCTURE\FOR FINAL TENDER 28-10-2023\02 HIGHWAY DRAWING\03 SURVEY PLAN\05 SURVEY DWG.dwg
Oct 30, 2023 - 2:21pm

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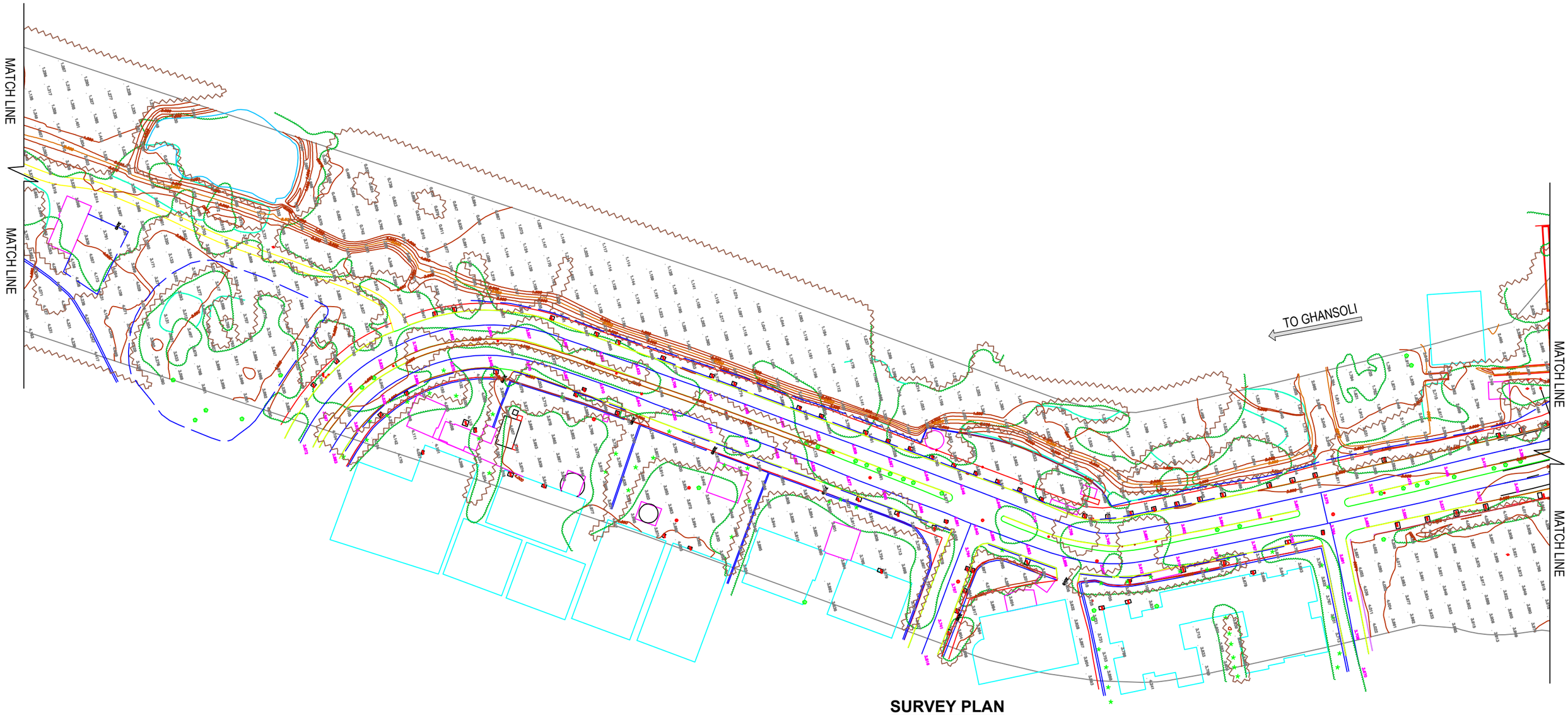

SURVEY PLAN

SCALE = 1:1000

LEGEND

ROAD,R-CENTER	
DIRT ROAD,PATH	
SIDE-WALK	
BRIDGE-DECK	
RIVER EDGE	
RIVER,NALA	
POND,MARSH	
GUTTER	

PIPE LINE	
WATER TANK	
WELL	WELL
CANOPY	
BUILDING	
POWER POLE,LINE	
LIGHT POLE	
ELECTRIC BOX	EV EV

SUPORTING-POLE	SP
ANCER	A
SIGN	Sign
WALL,RET.WALL	
CHAMBER	CVR
MANHOLE	
TREE,OBSCURED	
FENCE,POST	

CONSULTING ENGINEERS:

AAKAR ABHINAV
CONSULTA 1:2500 PRIVATE LIMITED
ENGINEERS, ARCHITECTS, PLANNERS & GRAPHIC DESIGNERS
C-401-410, KUKREJA CENTER, PLOT NO.13, SECTOR - 11, C.B.D. BELAPUR, NAVI MUMBAI - 400 614.
[: +91 022 27580192, FAX: 91-022-27572533
E-MAIL: info@aakarabhinav.com
Website: aakarabhinav.com

CLIENT:

NAVI MUMBAI
MUNICIPAL CORPORATION

REV.	REVISION DETAILS	DRN BY	DATE	CHECKED BY		DATE	APRD BY	DATE
R1	FOR TENDER	T.M.	28.04.2021	A.S.	A.S.	28.04.2021	K.K.	28.04.2021
R0	FOR TENDER	T.M.	31.03.2021	A.S.	A.S.	31.03.2021	VINAY S.	31.03.2021

DRAWING		DESIGN		APPROVED BY
DRAWING BY	CHECKED BY	DESIGN BY	CHECKED BY	
TEJASHRI M.	ANIKET S.	ANIKET S.	KISHOR K.	VINAY S.
DATE: 28.04.2021		DATE: 28.04.2021		

PROJECT: CONSTRUCTION OF CREEK BRIDGE CONNECTING GHANSOLI - AIROLI ALONG PALM BEACH ROAD AT GHANSOLI, NAVI MUMBAI ON EPC MODE.

TITLE: SURVEY DRAWING FOR GHANSOLI CREEK BRIDGE

DRG NO: 1623-GH-AI-DES-SUR-004 | PROJECT NO. 1623 | REV. R1 | SCALE AS SHOWN | A3

Z:\1623_NMMC-Ghansoli Creek Bridge\05_DRAWINGS\STRUCTURE\FOR FINAL TENDER 28-10-2023\02 HIGHWAY DRAWING\03 SURVEY PLAN\05 SURVEY DWG.dwg
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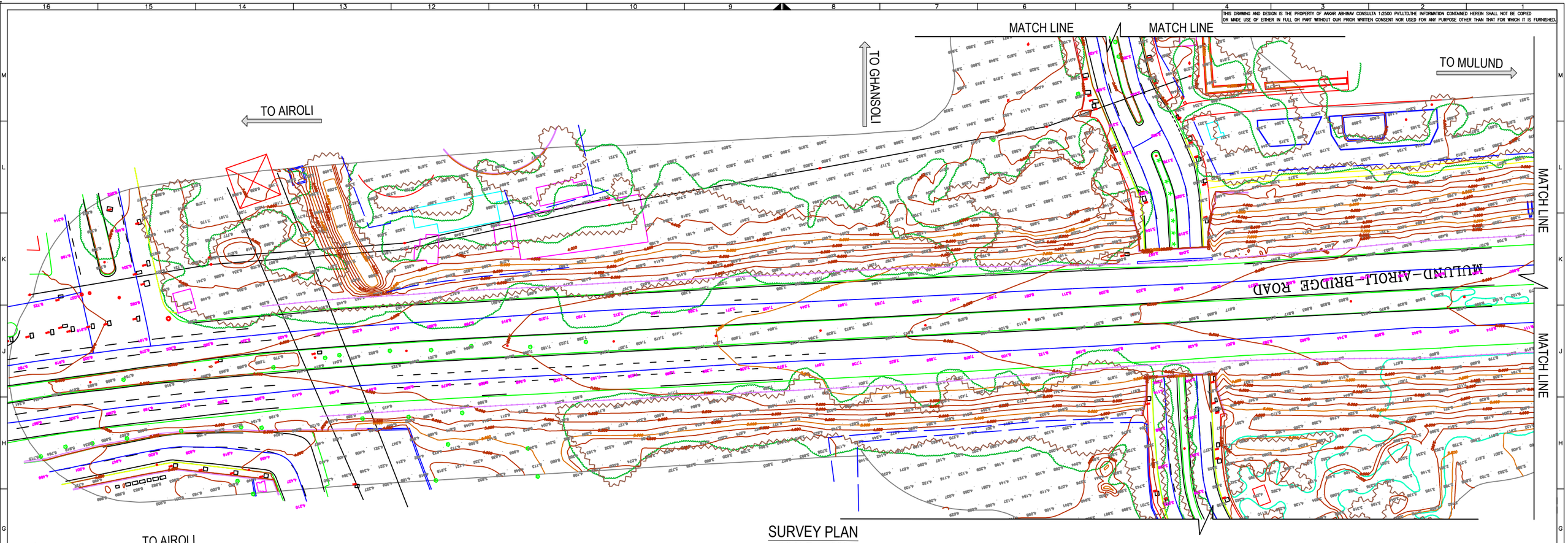
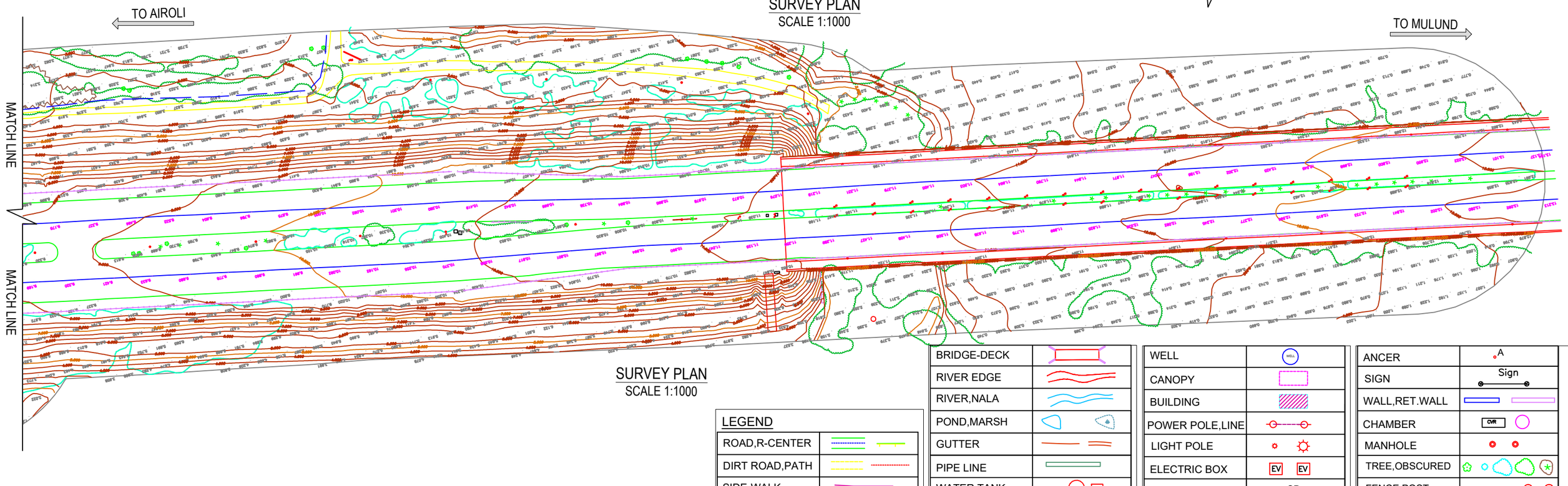


SURVEY PLAN
SCALE 1:1000



SURVEY PLAN
SCALE 1:1000

LEGEND

ROAD,R-CENTER	
DIRT ROAD,PATH	
SIDE-WALK	
BRIDGE-DECK	
RIVER EDGE	
RIVER,NALA	
POND,MARSH	
GUTTER	
PIPE LINE	
WATER TANK	
WELL	WELL
CANOPY	
BUILDING	
POWER POLE,LINE	
LIGHT POLE	
ELECTRIC BOX	EV EV
SUPORTING-POLE	SP
ANCER	A
SIGN	Sign
WALL,RET.WALL	
CHAMBER	CVR
MANHOLE	
TREE,OBSCURED	
FENCE,POST	

CONSULTING ENGINEERS:
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CLIENT:
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REV.	REVISION DETAILS	DRN BY	DATE	CHECKED BY	DATE	APRD BY	DATE
R1	FOR TENDER	T.M.	28.04.2021	A.S.	28.04.2021	K.K.	28.04.2021
R0	FOR TENDER	T.M.	31.03.2021	A.S.	31.03.2021	VINAY S.	31.03.2021

DRAWING		DESIGN		APPROVED BY
DRAWING BY	CHECKED BY	DESIGN BY	CHECKED BY	
TEJASHRI M.	ANIKET S.	ANIKET S.	KISHOR K.	VINAY S.
DATE: 28.04.2021		DATE: 28.04.2021		

PROJECT: CONSTRUCTION OF CREEK BRIDGE CONNECTING GHANSOLI - AIROLI ALONG PALM BEACH ROAD AT GHANSOLI, NAVI MUMBAI ON EPC MODE.

TITLE: SURVEY DRAWING FOR GHANSOLI CREEK BRIDGE

DRG NO: 1623-GH-AI-DES-SUR-005 | PROJECT NO. 1623 | REV. R1 | SCALE AS SHOWN | A3

Z:\1623_NMMC-Ghansoli Creek Bridge\05_DRAWINGS\STRUCTURE\FOR FINAL TENDER 28-10-2023\02 HIGHWAY DRAWING\03 SURVEY PLAN\05 SURVEY DWG.dwg
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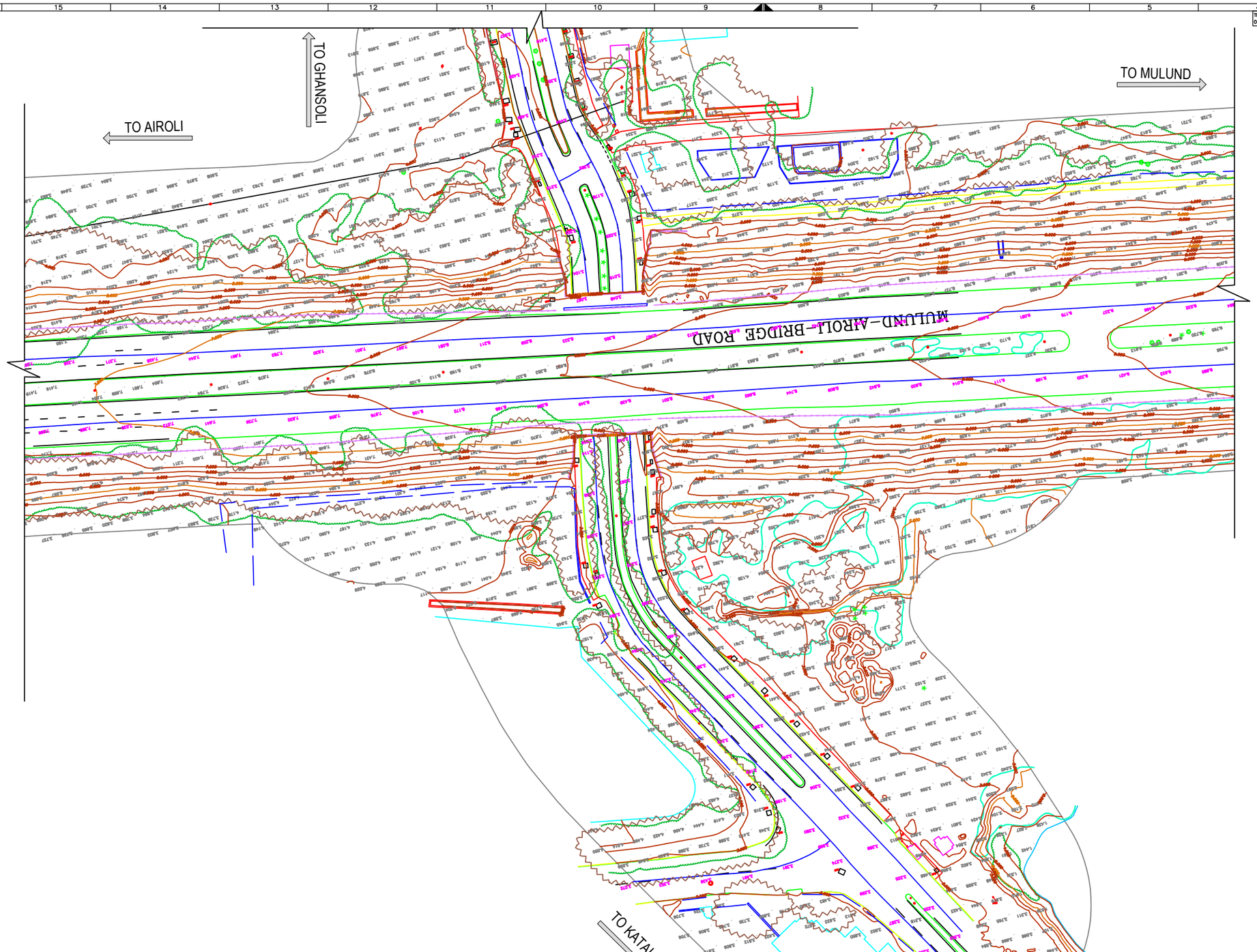

LEGEND

ROAD,R-CENTER	
DIRT ROAD,PATH	
SIDE-WALK	
BRIDGE-DECK	
RIVER EDGE	
RIVER,NALA	
POND,MARSH	
GUTTER	
PIPE LINE	
WATER TANK	
WELL	WELL
CANOPY	
BUILDING	
POWER POLE,LINE	
LIGHT POLE	
ELECTRIC BOX	EV EV
SUPORTING-POLE	SP
ANCER	A
SIGN	Sign
WALL,RET.WALL	
CHAMBER	CVR
MANHOLE	
TREE,OBSCURED	
FENCE,POST	

SURVEY PLAN

SCALE = 1:1000

CONSULTING ENGINEERS:

AAKAR ABHINAV
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CLIENT:

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MUNICIPAL CORPORATION

REV.	REVISION DETAILS	DRN BY	DATE	CHECKED BY	DATE	APRD BY	DATE
R1	FOR TENDER	T.M.	28.04.2021	A.S.	A.S.	28.04.2021	K.K.	28.04.2021
R0	FOR TENDER	T.M.	31.03.2021	A.S.	A.S.	31.03.2021	VINAY S.	31.03.2021

DRAWING		DESIGN		APPROVED BY
DRAWING BY	CHECKED BY	DESIGN BY	CHECKED BY	
TEJASHRI M.	ANIKET S.	ANIKET S.	KISHOR K.	VINAY S.
DATE: 28.04.2021		DATE: 28.04.2021		

PROJECT: CONSTRUCTION OF CREEK BRIDGE CONNECTING GHANSOLI - AIROLI ALONG PALM BEACH ROAD AT GHANSOLI, NAVI MUMBAI ON EPC MODE.

TITLE: SURVEY DRAWING FOR GHANSOLI CREEK BRIDGE

DRG NO: 1623-GH-AI-DES-SUR-006 | PROJECT NO. 1623 | REV. R1 | SCALE AS SHOWN | A3

Z:\1623_NMMC-Ghansoli Creek Bridge\05_DRAWINGS\STRUCTURE\FOR FINAL TENDER 28-10-2023\02 HIGHWAY DRAWING\03 SURVEY PLAN\05 SURVEY PLAN.dwg
Oct 30, 2023 - 2:31pm

PLAN AND PROFILE

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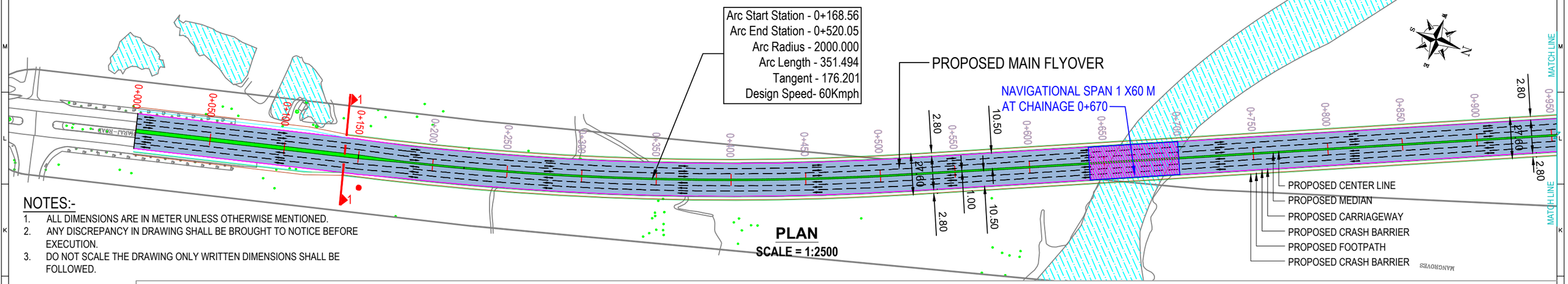
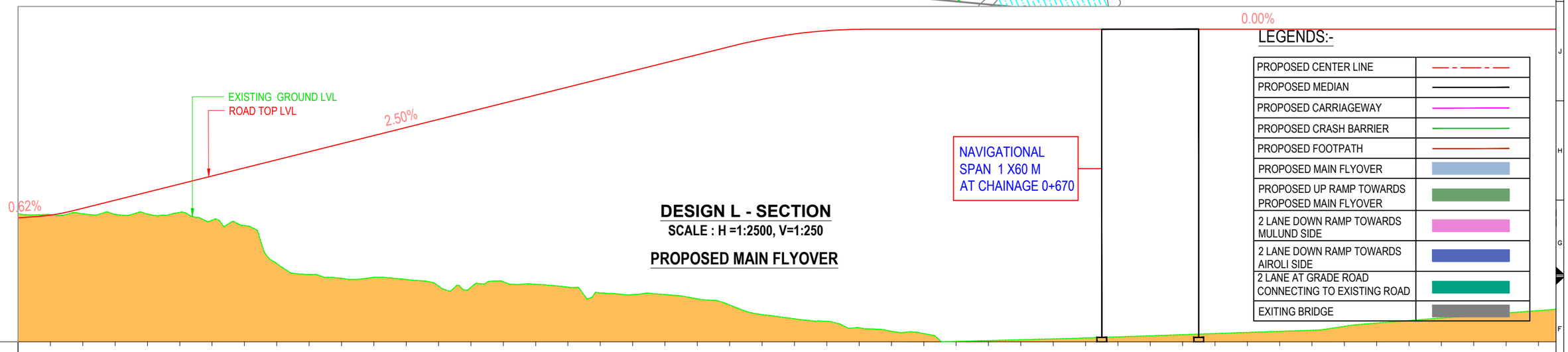


PLAN
SCALE = 1:2500

NOTES:-
1. ALL DIMENSIONS ARE IN METER UNLESS OTHERWISE MENTIONED.
2. ANY DISCREPANCY IN DRAWING SHALL BE BROUGHT TO NOTICE BEFORE EXECUTION.
3. DO NOT SCALE THE DRAWING ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.



DESIGN L - SECTION
SCALE : H =1:2500, V=1:250

PROPOSED MAIN FLYOVER

LEGENDS:-

PROPOSED CENTER LINE	
PROPOSED MEDIAN	
PROPOSED CARRIAGEWAY	
PROPOSED CRASH BARRIER	
PROPOSED FOOTPATH	
PROPOSED MAIN FLYOVER	
PROPOSED UP RAMP TOWARDS PROPOSED MAIN FLYOVER	
2 LANE DOWN RAMP TOWARDS MULUND SIDE	
2 LANE DOWN RAMP TOWARDS AIROLI SIDE	
2 LANE AT GRADE ROAD CONNECTING TO EXISTING ROAD	
EXITING BRIDGE	

| | | |

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NOTES:-

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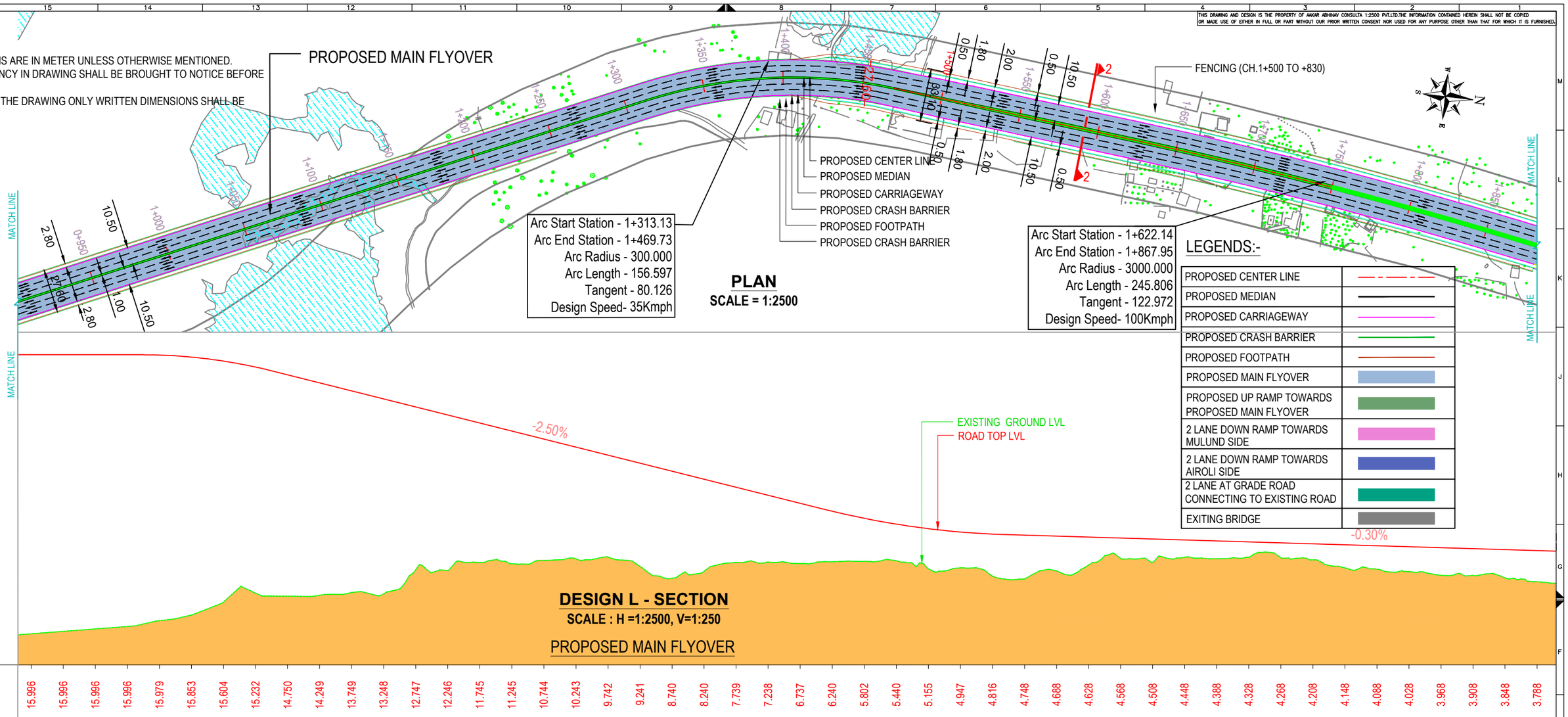

PLAN
SCALE = 1:2500

LEGENDS:-

PROPOSED CENTER LINE	
PROPOSED MEDIAN	
PROPOSED CARRIAGEWAY	
PROPOSED CRASH BARRIER	
PROPOSED FOOTPATH	
PROPOSED MAIN FLYOVER	
PROPOSED UP RAMP TOWARDS PROPOSED MAIN FLYOVER	
2 LANE DOWN RAMP TOWARDS MULUND SIDE	
2 LANE DOWN RAMP TOWARDS AIROLI SIDE	
2 LANE AT GRADE ROAD CONNECTING TO EXISTING ROAD	
EXITING BRIDGE	

DESIGN L - SECTION
SCALE : H =1:2500, V=1:250

PROPOSED MAIN FLYOVER

CHAINAGE	PROP ROAD LEVELS	EX GR LEVELS	CUT/FILL
940.000	15.996	-1.399	17.395
960.000	15.996	-1.247	17.243
980.000	15.996	-1.094	17.090
1000.000	15.996	-0.942	16.938
1020.000	15.979	-0.585	16.564
1040.000	15.853	-0.230	16.083
1060.000	15.604	0.581	15.023
1080.000	15.232	1.138	14.095
1100.000	14.750	0.945	13.805
1120.000	14.249	1.005	13.245
1140.000	13.749	1.176	12.573
1160.000	13.248	1.099	12.149
1180.000	12.747	2.597	10.150
1200.000	12.246	2.552	9.694
1220.000	11.745	3.047	8.698
1240.000	11.245	2.966	8.278
1260.000	10.744	3.174	7.569
1280.000	10.243	3.273	6.970
1300.000	9.742	3.385	6.357
1320.000	9.241	2.805	6.437
1340.000	8.740	2.060	6.680
1360.000	8.240	2.501	5.738
1380.000	7.739	3.044	4.695
1400.000	7.238	3.072	4.166
1420.000	6.737	2.979	3.758
1440.000	6.240	3.091	3.149
1460.000	5.802	3.113	2.689
1480.000	5.440	3.158	2.283
1500.000	5.155	2.652	2.504
1520.000	4.947	2.716	2.231
1540.000	4.816	2.197	2.618
1560.000	4.748	2.016	2.732
1580.000	4.688	2.524	2.165
1600.000	4.628	2.891	1.737
1620.000	4.568	3.302	1.266
1640.000	4.508	3.058	1.450
1660.000	4.448	3.372	1.076
1680.000	4.388	3.278	1.110
1700.000	4.328	3.381	0.947
1720.000	4.268	3.347	0.921
1740.000	4.208	3.212	0.997
1760.000	4.148	2.708	1.441
1780.000	4.088	2.633	1.456
1800.000	4.028	2.477	1.552
1820.000	3.968	2.249	1.720
1840.000	3.908	2.236	1.672
1860.000	3.848	2.089	1.759
1880.000	3.788	1.847	1.941

HORIZONTAL SCHEMATICS

R: 300.000	L: 156.597
L =152.413	
R: 3000.000	L: 245.806

VERTICAL SCHEMATICS

R =3261.170	L =81.664
K=32.612	
G =-2.504%	L =342.593
R =5217.473	L =115.000
K=52.175	
G =-0.300%	L =452.858

SUPER-ELEVATION

CONSULTING ENGINEERS:
AAKAR ABHINAV
CONSULTA 1:2500 PRIVATE LIMITED
ENGINEERS, ARCHITECTS, PLANNERS & GRAPHIC DESIGNERS
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CLIENT:
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REV.	REVISION DETAILS	DRN BY	DATE	CHECKED BY		DATE	APRD BY	DATE
R1	FOR TENDER	J.B.	28.04.2021	A.S.	A.S.	28.04.2021	VINAY S.	28.04.2021
R0	FOR FEASIBILITY	T.M.	31.03.2021	A.S.	A.S.	31.03.2021	VINAY S.	31.03.2021

DRAWING		DESIGN	
DRAWING BY	CHECKED BY	DESIGN BY	CHECKED BY
JYOTSNA B.	ANIKET S.	ANIKET S.	KISHOR K.
DATE: 28.04.2021		DATE: 28.04.2021	

APPROVED BY: VINAY S.

PROJECT: CONSTRUCTION OF CREEK BRIDGE CONNECTING GHANSOLI - AIROLI ALONG PALM BEACH ROAD AT GHANSOLI, NAVI MUMBAI ON EPC MODE.

TITLE: PLAN AND PROFILE FOR GHANSOLI CREEK BRIDGE (PROPOSED MAIN FLYOVER)

DRG NO: 1623-GH-AI-DES-PP-002 | PROJECT NO. 1623 | REV. R1 | SCALE 1:2500 | A3

Z:\1623_NMMC-Ghansoli Creek Bridge\05_DRAWINGS\STRUCTURE\FOR FINAL TENDER 28-10-2023\04 PLAN AND PROFILE\06 Plan and profile Cdco.dwg
Oct 30, 2023 - 2:32pm

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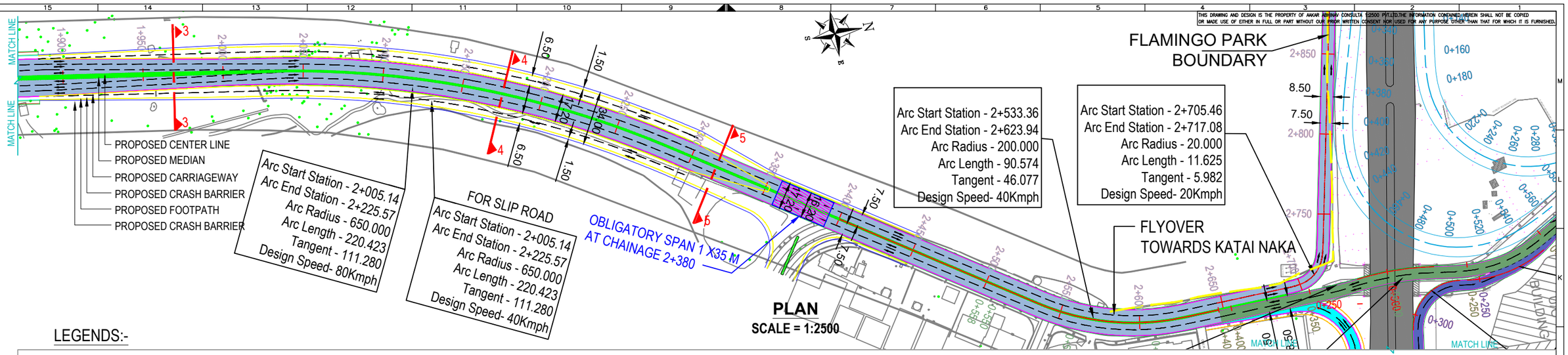
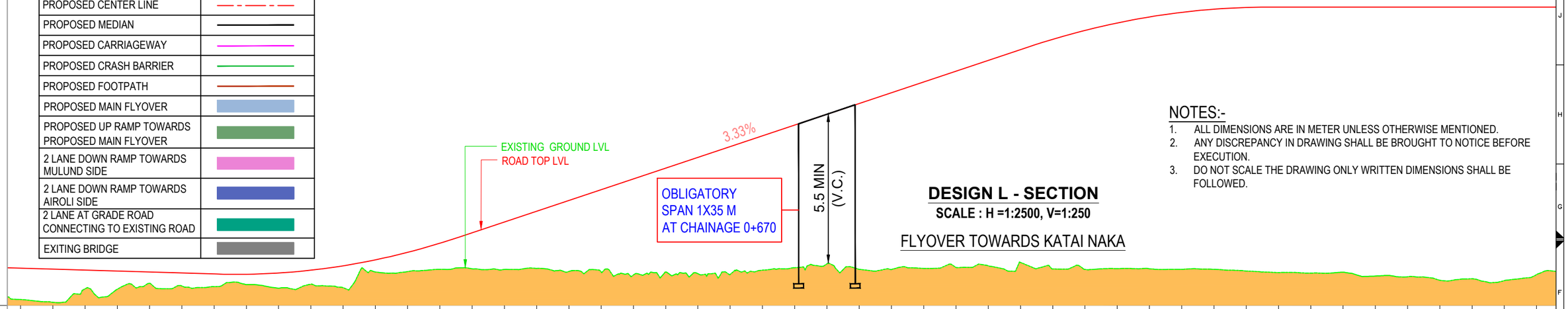


PLAN
SCALE = 1:2500

LEGENDS:-

PROPOSED CENTER LINE	
PROPOSED MEDIAN	
PROPOSED CARRIAGEWAY	
PROPOSED CRASH BARRIER	
PROPOSED FOOTPATH	
PROPOSED MAIN FLYOVER	
PROPOSED UP RAMP TOWARDS PROPOSED MAIN FLYOVER	
2 LANE DOWN RAMP TOWARDS MULUND SIDE	
2 LANE DOWN RAMP TOWARDS AIROLI SIDE	
2 LANE AT GRADE ROAD CONNECTING TO EXISTING ROAD	
EXITING BRIDGE	



DESIGN L - SECTION
SCALE : H =1:2500, V=1:250

FLYOVER TOWARDS KATAI NAKA

NOTES:-
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3. DO NOT SCALE THE DRAWING ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.

CHAINAGE	PROP ROAD LEVELS	EX GR LEVELS	CUT/FILL
1880.000	3.788	1.847	1.941
1900.000	3.728	1.673	2.055
1920.000	3.668	2.506	1.163
1940.000	3.608	2.484	1.124
1960.000	3.548	2.851	0.697
1980.000	3.488	2.685	0.803
2000.000	3.428	2.642	0.786
2020.000	3.410	2.770	0.639
2040.000	3.488	2.547	0.941
2060.000	3.662	2.794	0.869
2080.000	3.934	2.578	1.356
2100.000	4.303	3.547	0.755
2120.000	4.768	3.575	1.193
2140.000	5.330	3.717	1.614
2160.000	5.981	3.750	2.231
2180.000	6.648	3.708	2.939
2200.000	7.314	3.773	3.541
2220.000	7.981	3.583	4.398
2240.000	8.648	3.548	5.100
2260.000	9.314	3.363	5.952
2280.000	9.981	3.552	6.430
2300.000	10.648	3.442	7.206
2320.000	11.314	3.402	7.912
2340.000	11.981	3.424	8.557
2360.000	12.648	3.814	8.833
2380.000	13.314	4.053	9.261
2400.000	13.981	3.716	10.265
2420.000	14.648	3.706	10.942
2440.000	15.314	3.771	11.543
2460.000	15.981	3.834	12.147
2480.000	16.648	3.938	12.709
2500.000	17.314	4.146	13.169
2520.000	17.953	3.735	14.218
2540.000	18.504	3.711	14.793
2560.000	18.966	3.761	15.205
2580.000	19.339	3.750	15.589
2600.000	19.624	3.721	15.903
2620.000	19.819	3.718	16.102
2640.000	19.926	3.611	16.316
2660.000	19.948	3.515	16.433
2680.000	19.948	3.484	16.464
2700.000	19.948	3.535	16.413
2720.000	19.948	3.301	16.647
2740.000	19.948	3.254	16.695
2760.000	19.948	3.034	16.914
2780.000	19.948	3.130	16.818
2800.000	19.948	3.017	16.932
2820.000	19.948	3.389	16.559

HORIZONTAL SCHEMATICS: L =141.772 | L: 35.000 | R: 600.000, L: 222.654 | L: 35.000 | L =233.215 | R: 150.000, L: 92.150 | L =65.789 | R: 20.000, L: 11.633 | L: 15.000 | L: 15.000

VERTICAL SCHEMATICS: R =4128.440, L =150.000, K=41.284 | G =3.333%, L =352.478 | R =4500.000, L =150.000, K=45.000

SUPER-ELEVATION: e = 2.5% e = 4.7% / e = -2.5% e = -4.7% | e = 4.7% e = 2.5% / e = -4.7% e = -2.5% | e = 2.5% e = -3.6% e = -3.6% / e = -2.5% e = 3.6% e = 3.6% | e = -7.0% e = -7.0% e = 2.5% / e = 7.0% e = 7.0% e = -2.5%

CONSULTING ENGINEERS:
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CONSULTA 1:2500 PRIVATE LIMITED
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REV.	REVISION DETAILS	DRN BY	DATE	CHECKED BY	DATE	APRD BY	DATE
R1	FOR TENDER	J.B.	28.04.2021	A.S.	28.04.2021	VINAY S.	28.04.2021
R0	FOR FEASIBILITY	T.M.	31.03.2021	A.S.	31.03.2021	VINAY S.	31.03.2021

DRAWING		DESIGN	
DRAWING BY	CHECKED BY	DESIGN BY	CHECKED BY
JYOTSNA B.	ANIKET S.	ANIKET S.	KISHOR K.
DATE: 28.04.2021		DATE: 28.04.2021	

APPROVED BY: VINAY S.

PROJECT: CONSTRUCTION OF CREEK BRIDGE CONNECTING GHANSOLI - AIROLI ALONG PALM BEACH ROAD AT GHANSOLI, NAVI MUMBAI ON EPC MODE.

TITLE: PLAN AND PROFILE FOR GHANSOLI CREEK BRIDGE (PROPOSED MAIN FLYOVER)

DRG NO: 1623-GH-AI-DES-PP-003 | PROJECT NO. 1623 | REV. R1 | SCALE 1:2500 | A3

Z:\1623_NMMC-Ghansoli Creek Bridge\05_DRAWINGS\STRUCTURE\FOR FINAL TENDER 28-10-2023\04 PLAN AND PROFILE\06 Plan and profile C6to6.dwg Oct 30, 2023 - 2:32pm

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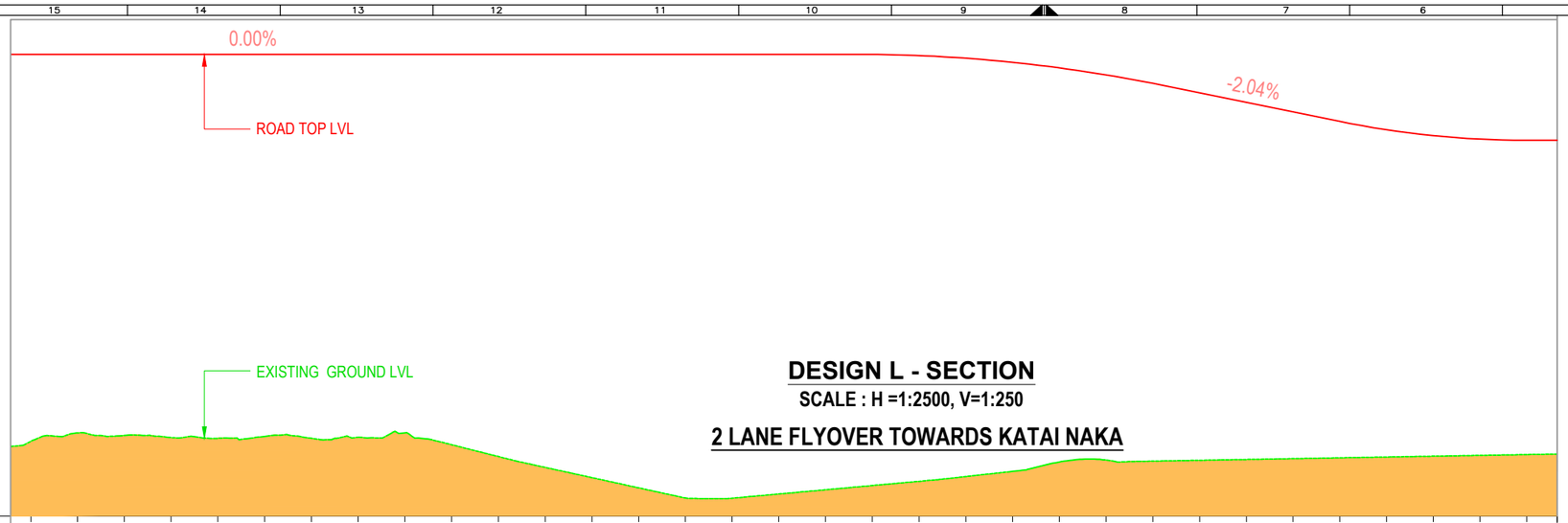

DESIGN L - SECTION

SCALE : H =1:2500, V=1:250

2 LANE FLYOVER TOWARDS KATAI NAKA

| | | |

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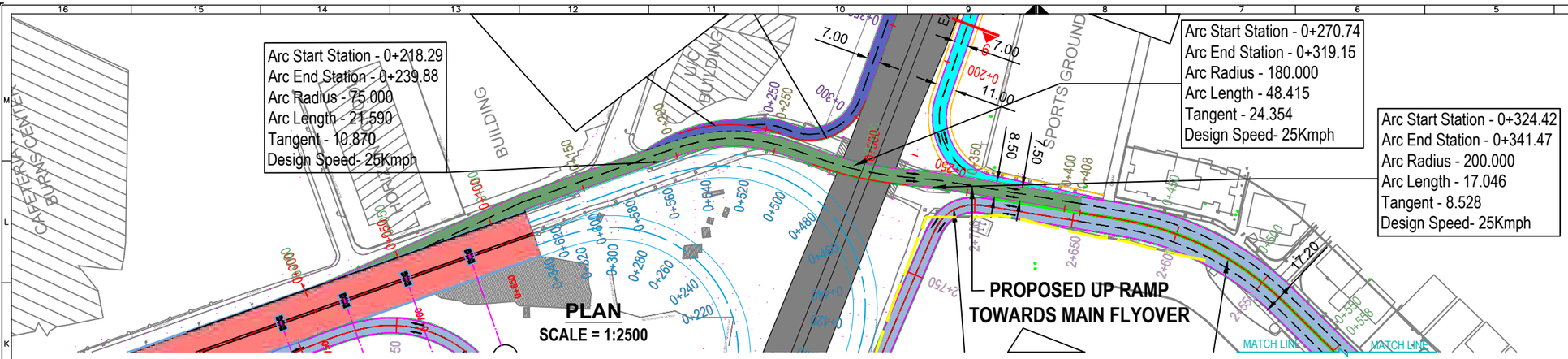
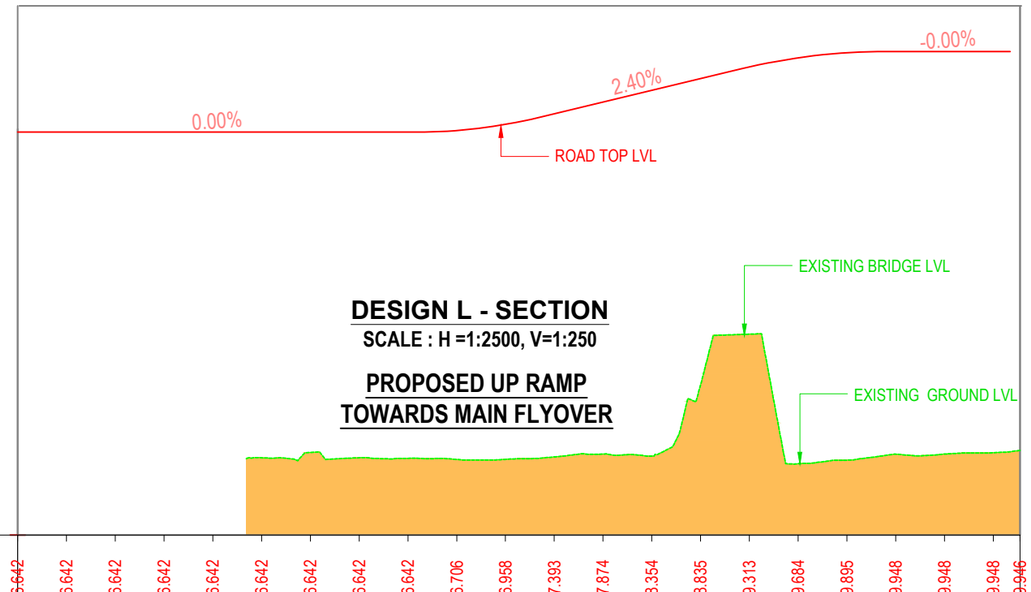


PLAN
SCALE = 1:2500



DESIGN L - SECTION
SCALE : H =1:2500, V=1:250

PROPOSED UP RAMP TOWARDS MAIN FLYOVER

PROP ROAD LEVELS	16.642	16.642	16.642	16.642	16.642	16.642	16.642	16.642	16.642	16.706	16.958	17.393	17.874	18.354	18.835	19.313	19.684	19.895	19.948	19.948	19.948	19.946
EX GR LEVELS						3.294	3.514	3.296	3.273	3.228	3.231	3.331	3.448	3.366	6.286	8.708	3.052	3.199	3.443	3.447	3.500	
CUT/FILL						13.348	13.128	13.346	13.369	13.478	13.727	14.062	14.426	14.988	12.549	10.604	16.631	16.696	16.505	16.501	16.448	
HORIZONTAL SCHEMATICS			L =188.290								L: 30.000	R: 75.000 L: 21.590	L: 30.000	L =0.859	R: 180.000 L: 48.415	L =3.286	R: 200.000 L: 17.046			L =66.542		
VERTICAL SCHEMATICS			G =0.000% L =163.734							R =2081.364 L =50.000 K=20.814		G =2.402% L =82.607				R =2497.637 L =60.000 K=24.976		G =-0.000% L =50.650				
SUPER-ELEVATION	Q = -2.5% Q = -2.5%																					
CHAINAGE	000.000	020.000	040.000	060.000	080.000	100.000	120.000	140.000	160.000	180.000	200.000	220.000	240.000	260.000	280.000	300.000	320.000	340.000	360.000	380.000	400.000	411.000

NOTES:-
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LEGENDS:-

PROPOSED CENTER LINE	
PROPOSED MEDIAN	
PROPOSED CARRIAGEWAY	
PROPOSED CRASH BARRIER	
PROPOSED FOOTPATH	
PROPOSED MAIN FLYOVER	
PROPOSED UP RAMP TOWARDS PROPOSED MAIN FLYOVER	
2 LANE DOWN RAMP TOWARDS MULUND SIDE	
2 LANE DOWN RAMP TOWARDS AIROLI SIDE	
2 LANE AT GRADE ROAD CONNECTING TO EXISTING ROAD	
EXITING BRIDGE	

CONSULTING ENGINEERS:
AAKAR ABHINAV
CONSULTA 1:2500 PRIVATE LIMITED
ENGINEERS, ARCHITECTS, PLANNERS & GRAPHIC DESIGNERS
C-401-410, KUKREJA CENTER, PLOT NO.13, SECTOR - 11, C.B.D. BELAPUR, NAVI MUMBAI - 400 614.
[: +91 022 27580192, FAX: 91-022-27572533
E-MAIL: info@aakarabhinav.com
Website: aakarabhinav.com

CLIENT:
NAVI MUMBAI MUNICIPAL CORPORATION

REV.	REVISION DETAILS	DRN BY	DATE	CHECKED BY	DATE	APRD BY	DATE
R1	FOR TENDER	J.B.	28.04.2021	A.S.	28.04.2021	VINAY S.	28.04.2021
R0	FOR FEASIBILITY	T.M.	31.03.2021	A.S.	31.03.2021	VINAY S.	31.03.2021

DRAWING		DESIGN	
DRAWING BY	CHECKED BY	DESIGN BY	CHECKED BY
JYOTSNA B.	ANIKET S.	ANIKET S.	KISHOR K.
DATE: 28.04.2021		DATE: 28.04.2021	

APPROVED BY: VINAY S.

PROJECT: CONSTRUCTION OF CREEK BRIDGE CONNECTING GHANSOLI - AIROLI ALONG PALM BEACH ROAD AT GHANSOLI, NAVI MUMBAI ON EPC MODE.

TITLE: PLAN AND PROFILE FOR GHANSOLI CREEK BRIDGE (PROPOSED UP RAMP TOWARDS MAIN FLYOVER)

DRG NO: 1623-GH-AI-DES-PP-005 | PROJECT NO. 1623 | REV. R1 | SCALE 1:2500 | A3

Z:\1623_NMMC-Ghansoli Creek Bridge\05_DRAWINGS\STRUCTURE\FOR FINAL TENDER 28-10-2023\04 PLAN AND PROFILE\06 Plan and profile Cdco.dwg
Oct 30, 2023 - 2:34pm

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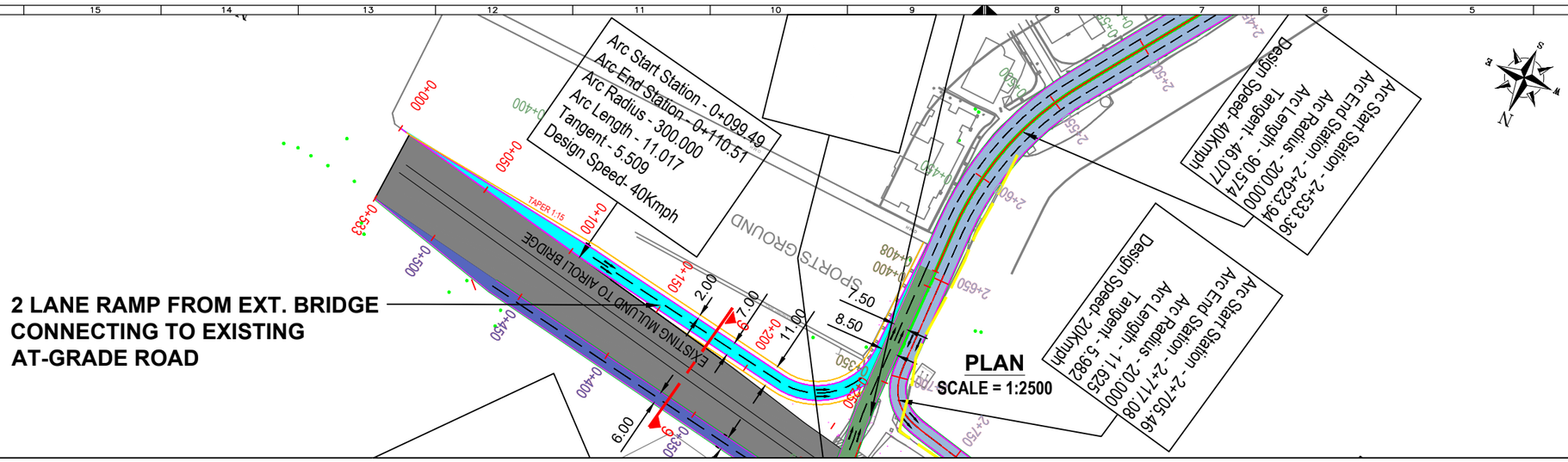
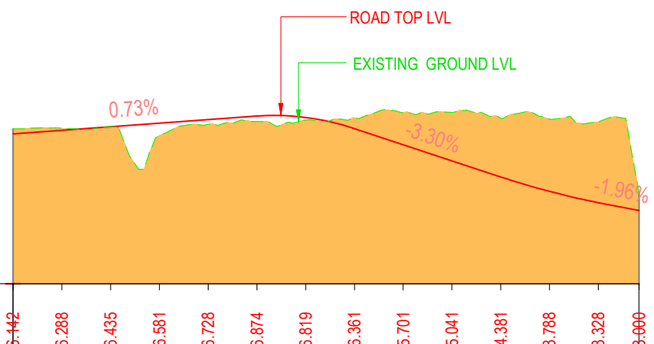


DESIGN L - SECTION

SCALE : H =1:2500, V=1:250

2 LANE AT GRADE ROAD CONNECTING TO EXISTING ROAD



PROP ROAD LEVELS	6.142	6.288	6.435	6.581	6.728	6.874	6.819	6.361	5.701	5.041	4.381	3.788	3.328	3.000
EX GR LEVELS	6.347	6.371	6.436	6.067	6.536	6.650	6.708	6.803	7.007	7.025	6.794	6.752	6.634	3.736
CUT/FILL	-0.206	-0.083	-0.002	0.514	0.192	0.224	0.111	-0.442	-1.307	-1.984	-2.413	-2.964	-3.306	-0.735
HORIZONTAL SCHEMATICS		L =99.491				R: 300.000 L: 11.017			L =146.214					
VERTICAL SCHEMATICS		G =0.733% L =100.000				R =991.933 L =40.000 K=9.919		G =-3.300% L =60.000			R =2990.785 L =40.000 K=29.908		G =-1.963% L=16.722	
SUPER-ELEVATION	Q=2.5% Q=2.5%													
CHAINAGE	000.000	020.000	040.000	060.000	080.000	100.000	120.000	140.000	160.000	180.000	200.000	220.000	240.000	256.720

NOTES:-

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LEGENDS:-

PROPOSED CENTER LINE	
PROPOSED MEDIAN	
PROPOSED CARRIAGEWAY	
PROPOSED CRASH BARRIER	
PROPOSED FOOTPATH	
PROPOSED MAIN FLYOVER	
PROPOSED UP RAMP TOWARDS PROPOSED MAIN FLYOVER	
2 LANE DOWN RAMP TOWARDS MULUND SIDE	
2 LANE DOWN RAMP TOWARDS AIROLI SIDE	
2 LANE AT GRADE ROAD CONNECTING TO EXISTING ROAD	
EXITING BRIDGE	

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E-MAIL: info@aakarabhinav.com
Website: aakarabhinav.com

CLIENT:
NAVI MUMBAI MUNICIPAL CORPORATION

REV.	REVISION DETAILS	DRN BY	DATE	CHECKED BY	DATE	APRD BY	DATE
R1	FOR TENDER	J.B.	28.04.2021	A.S.	28.04.2021	VINAY S.	28.04.2021
R0	FOR FEASIBILITY	T.M.	31.03.2021	A.S.	31.03.2021	VINAY S.	31.03.2021

DRAWING		DESIGN		APPROVED BY
DRAWING BY	CHECKED BY	DESIGN BY	CHECKED BY	
JYOTSNA B.	ANIKET S.	ANIKET S.	KISHOR K.	VINAY S.
DATE: 28.04.2021		DATE: 28.04.2021		

PROJECT: CONSTRUCTION OF CREEK BRIDGE CONNECTING GHANSOLI - AIROLI ALONG PALM BEACH ROAD AT GHANSOLI, NAVI MUMBAI ON EPC MODE.

TITLE: PLAN AND PROFILE FOR GHANSOLI CREEK BRIDGE (2 LANE AT GRADE ROAD CONNECTING TO EXISTING ROAD)

DRG NO: 1623-GH-AI-DES-PP-006 | PROJECT NO. 1623 | REV. R1 | SCALE 1:2500 | A3

Z:\1623_NMMC-Ghansoli Creek Bridge\05_DRAWINGS\STRUCTURE\FOR FINAL TENDER 28-10-2023\04 PLAN AND PROFILE\06 Plan and profile C&co.dwg
Oct 30, 2023 - 2:38pm

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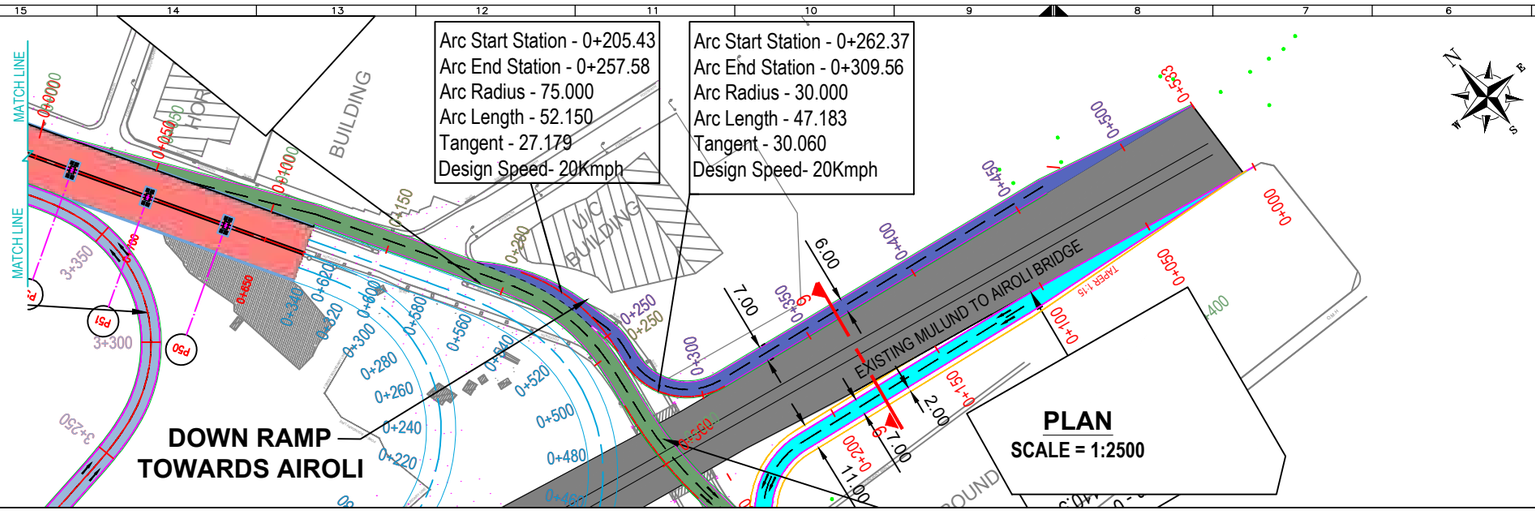
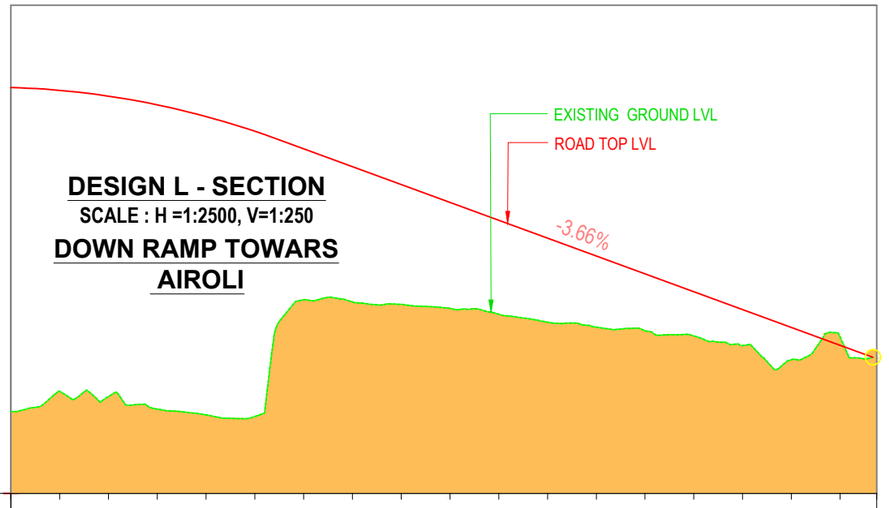


PLAN
SCALE = 1:2500



DESIGN L - SECTION
SCALE : H =1:2500, V=1:250

DOWN RAMP TOWARS AIROLI

PROP ROAD LEVELS	16.630	16.516	16.280	15.921	15.441	14.838	14.125	13.392	12.660	11.927	11.195	10.463	9.730	8.998	8.265	7.533	6.800	6.068
EX GR LEVELS	3.952	4.179	3.968	3.458	3.213	3.150	7.930	7.846	7.746	7.578	7.339	7.015	6.812	6.665	6.449	6.057	5.472	6.395
CUT/FILL	12.679	12.337	12.311	12.464	12.228	11.688	6.195	5.547	4.914	4.350	3.856	3.448	2.918	2.333	1.816	1.476	1.328	-0.328
HORIZONTAL SCHEMATICS		R: 75.000 L: 52.150			L =4.788	R: 30.000 L: 47.183							L =223.838					
VERTICAL SCHEMATICS		R =3276.491 L =120.000 K=32.765											G =-3.662% L =242.120					
SUPER-ELEVATION																		
CHAINAGE	180.000	200.000	220.000	240.000	260.000	280.000	300.000	320.000	340.000	360.000	380.000	400.000	420.000	440.000	460.000	480.000	500.000	520.000	535.000

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LEGENDS:-

PROPOSED CENTER LINE	
PROPOSED MEDIAN	
PROPOSED CARRIAGEWAY	
PROPOSED CRASH BARRIER	
PROPOSED FOOTPATH	
PROPOSED MAIN FLYOVER	
PROPOSED UP RAMP TOWARDS PROPOSED MAIN FLYOVER	
2 LANE DOWN RAMP TOWARDS MULUND SIDE	
2 LANE DOWN RAMP TOWARDS AIROLI SIDE	
2 LANE AT GRADE ROAD CONNECTING TO EXISTING ROAD	
EXITING BRIDGE	

CONSULTING ENGINEERS:
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R1	FOR TENDER	J.B.	28.04.2021	A.S.	28.04.2021	VINAY S.	28.04.2021
R0	FOR FEASIBILITY	T.M.	31.03.2021	A.S.	31.03.2021	VINAY S.	31.03.2021

DRAWING		DESIGN	
DRAWING BY	CHECKED BY	DESIGN BY	CHECKED BY
JYOTSNA B.	ANIKET S.	ANIKET S.	KISHOR K.
DATE: 28.04.2021		DATE: 28.04.2021	

APPROVED BY: VINAY S.

PROJECT: CONSTRUCTION OF CREEK BRIDGE CONNECTING GHANSOLI - AIROLI ALONG PALM BEACH ROAD AT GHANSOLI, NAVI MUMBAI ON EPC MODE.

TITLE: PLAN AND PROFILE FOR GHANSOLI CREEK BRIDGE (DOWN RAMP TOWARS AIROLI)

DRG NO: 1623-GH-AI-DES-PP-007 | PROJECT NO. 1623 | REV. R1 | SCALE 1:2500 | A3

Z:\1623_NMMC-Ghansoli Creek Bridge\05_DRAWINGS\STRUCTURE\FOR FINAL TENDER 28-10-2023\04 PLAN AND PROFILE\06 Plan and profile Cldco.dwg
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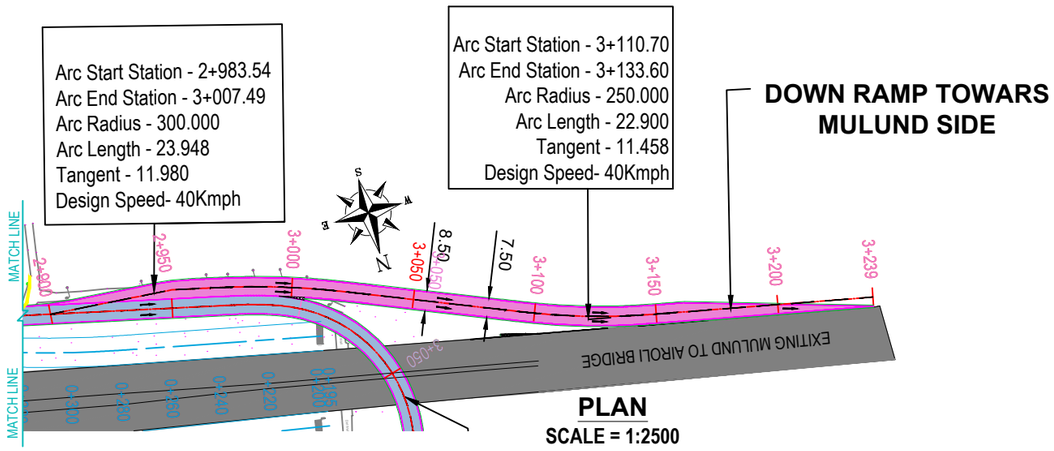
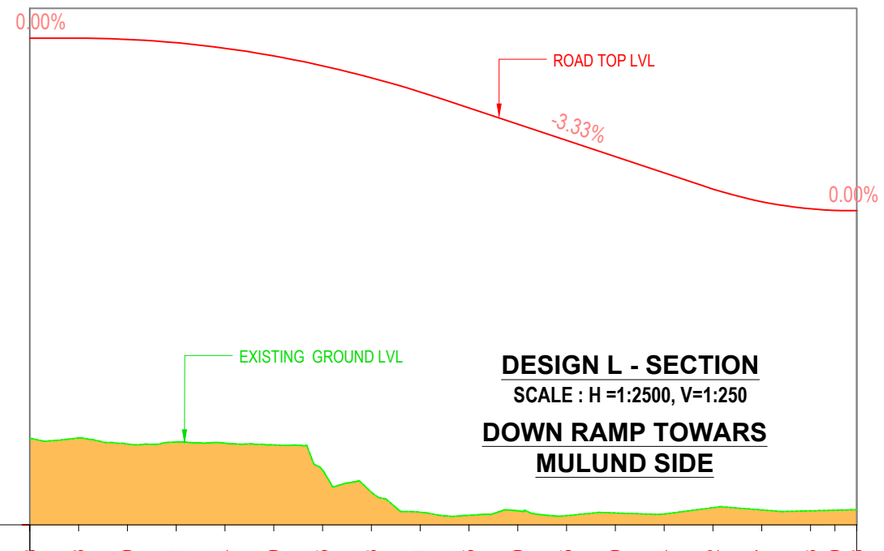


PLAN
SCALE = 1:2500



DESIGN L - SECTION
SCALE : H =1:2500, V=1:250

DOWN RAMP TOWARS MULUND SIDE

PROP ROAD LEVELS	19.948	19.948	19.899	19.761	19.534	19.219	18.815	18.323	17.741	17.085	16.420	15.755	15.089	14.424	13.762	13.247	12.953	12.890	12.878
EX GR LEVELS	3.531	3.565	3.313	3.393	3.347	3.278	2.241	1.340	0.517	0.393	0.582	0.378	0.489	0.446	0.705	0.613	0.577		0.624
CUT/FILL	16.417	16.382	16.586	16.368	16.188	15.941	16.574	16.983	17.224	16.692	15.837	15.377	14.600	13.978	13.057	12.634	12.376		12.254
CHAINAGE	2900.000	2920.000	2940.000	2960.000	2980.000	3000.000	3020.000	3040.000	3060.000	3080.000	3100.000	3120.000	3140.000	3160.000	3180.000	3200.000	3220.000		3239.000

HORIZONTAL SCHEMATICS: L =50.752 L =7.788 L: 25.000 R: 300.000 L: 23.948 L: 25.000 L =53.209 L: 25.000 R: 250.000 L: 22.900 L: 25.000 L =80.494

VERTICAL SCHEMATICS: G =0.000% L =28.925 R =4509.791 L =150.000 K=45.098 G =-3.326% L =107.561 R =1803.916 L =60.000 G =0.000% K=18.039 L =2.514

SUPER-ELEVATION: Q = 3.7% Q = 3.7% Q = -3.7% Q = -3.7% Q = -2.8% Q = -2.8% Q = 2.8% Q = 2.8% Q = 2.5% Q = -2.5%

NOTES:-
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LEGENDS:-

PROPOSED CENTER LINE	
PROPOSED MEDIAN	
PROPOSED CARRIAGEWAY	
PROPOSED CRASH BARRIER	
PROPOSED FOOTPATH	
PROPOSED MAIN FLYOVER	
PROPOSED UP RAMP TOWARDS PROPOSED MAIN FLYOVER	
2 LANE DOWN RAMP TOWARDS MULUND SIDE	
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DRAWING BY	CHECKED BY	DESIGN BY	CHECKED BY
JYOTSNA B.	ANIKET S.	ANIKET S.	KISHOR K.
DATE: 28.04.2021		DATE: 28.04.2021	

APPROVED BY: VINAY S.

PROJECT: CONSTRUCTION OF CREEK BRIDGE CONNECTING GHANSOLI - AIROLI ALONG PALM BEACH ROAD AT GHANSOLI, NAVI MUMBAI ON EPC MODE.

TITLE: PLAN AND PROFILE FOR GHANSOLI CREEK BRIDGE (DOWN RAMP TOWARS MULUND SIDE)

DRG NO: 1623-GH-AI-DES-PP-008 | PROJECT NO. 1623 | REV. R1 | SCALE 1:2500 | A3

Z:\1623_NMMC-Ghansoli Creek Bridge\05_DRAWINGS\STRUCTURE\FOR FINAL TENDER 28-10-2023\04 PLAN AND PROFILE\06 Plan and profile C&co.dwg
Oct 30, 2023 - 2:39pm

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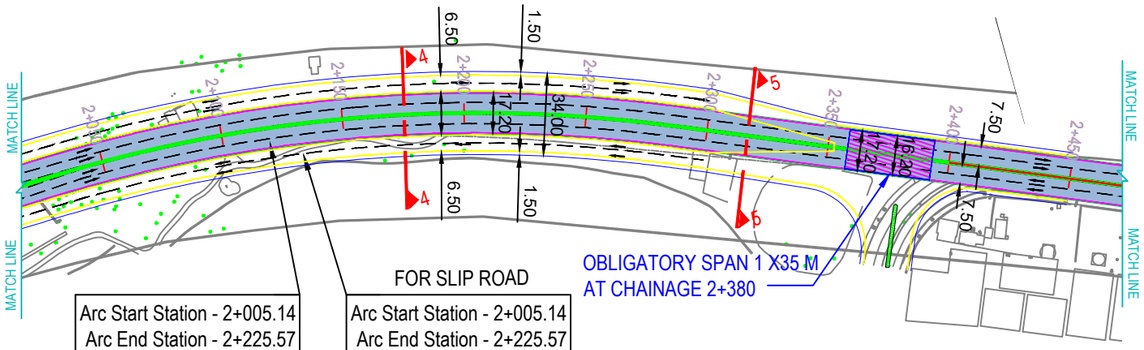

FOR SLIP ROAD

Arc Start Station - 2+005.14
Arc End Station - 2+225.57
Arc Radius - 650.000
Arc Length - 220.423
Tangent - 111.280
Design Speed- 80Kmph

Arc Start Station - 2+005.14
Arc End Station - 2+225.57
Arc Radius - 650.000
Arc Length - 220.423
Tangent - 111.280
Design Speed- 40Kmph

PLAN
SCALE = 1:2500

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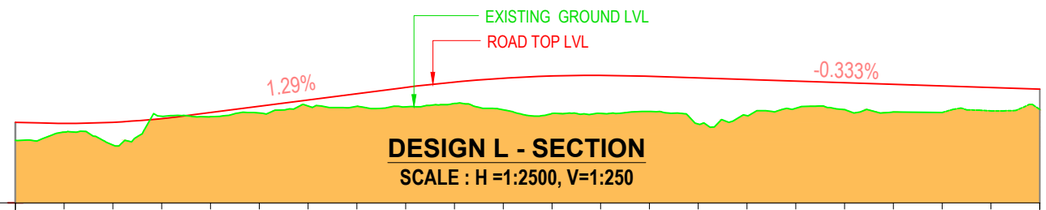
PROPOSED FOOTPATH	
PROPOSED MAIN FLYOVER	
PROPOSED UP RAMP TOWARDS PROPOSED MAIN FLYOVER	
2 LANE DOWN RAMP TOWARDS MULUND SIDE	
2 LANE DOWN RAMP TOWARDS AIROLI SIDE	
2 LANE AT GRADE ROAD CONNECTING TO EXISTING ROAD	
EXITING BRIDGE	



DESIGN L - SECTION
SCALE : H =1:2500, V=1:250

PROP ROAD LEVELS	3.308	3.261	3.307	3.459	3.704	3.962	4.220	4.478	4.736	4.956	5.111	5.202	5.228	5.189	5.124	5.059	4.994	4.929	4.864	4.799	4.734	4.669
EX GR LEVELS	2.568	2.904	2.373	3.552	3.535	3.686	3.971	3.958	3.939	4.082	3.819	3.662	3.675	3.755	3.236	3.577	3.882	3.824	3.730	3.706	3.771	3.834
CUT/FILL	0.740	0.357	0.934	-0.093	0.169	0.276	0.249	0.520	0.797	0.874	1.292	1.540	1.553	1.434	1.888	1.482	1.112	1.105	1.134	1.093	0.963	0.835
CHAINAGE	2040.000	2060.000	2080.000	2100.000	2120.000	2140.000	2160.000	2180.000	2200.000	2220.000	2240.000	2260.000	2280.000	2300.000	2320.000	2340.000	2360.000	2380.000	2400.000	2420.000	2440.000	2460.000

HORIZONTAL SCHEMATICS: L =102.196 | L: 35.000 | R: 650.000, L: 220.423 | L: 35.000 | L =79.42

VERTICAL SCHEMATICS: R =3772.559, L =60.000, K=37.726 | G =1.290%, L =88.148 | R =6189.403, L =100.000, K=61.894 | G =-0.333%, L =161.85

SUPER-ELEVATION

SLIP ROAD

CONSULTING ENGINEERS:

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CONSULTA 1:2500 PRIVATE LIMITED
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CLIENT:
NAVI MUMBAI MUNICIPAL CORPORATION

REV.	REVISION DETAILS	DRN BY	DATE	CHECKED BY	DATE	APRD BY	DATE
R1	FOR TENDER	J.B.	28.04.2021	A.S.	A.S.	28.04.2021	VINAY S. 28.04.2021
R0	FOR FEASIBILITY	T.M.	31.03.2021	A.S.	A.S.	31.03.2021	VINAY S. 31.03.2021

DRAWING		DESIGN		APPROVED BY
DRAWING BY	CHECKED BY	DESIGN BY	CHECKED BY	
JYOTSNA B.	ANIKET S.	ANIKET S.	KISHOR K.	VINAY S.
DATE: 28.04.2021		DATE: 28.04.2021		

PROJECT : CONSTRUCTION OF CREEK BRIDGE CONNECTING GHANSOLI - AIROLI ALONG PALM BEACH ROAD AT GHANSOLI, NAVI MUMBAI ON EPC MODE.

TITLE : PLAN AND PROFILE FOR GHANSOLI CREEK BRIDGE (SLIP ROAD)

DRG NO : 1623-GH-AI-DES-PP-009 | PROJECT NO. 1623 | REV. R1 | SCALE 1:2500 | A3

Z:\1623_NMMC-Ghansoli Creek Bridge\05_DRAWINGS\STRUCTURE\FOR FINAL TENDER 28-10-2023\04 PLAN AND PROFILE\06 Plan and profile Cidco.dwg
Oct 30, 2023 – 2:39pm