



NAVI MUMBAI MUNICIPAL CORPORATION

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

VOLUME-IV TENDER DRAWINGS PART - 03

Submitted by:



A A K A R A B H I N A V
Consultants Pvt Ltd.

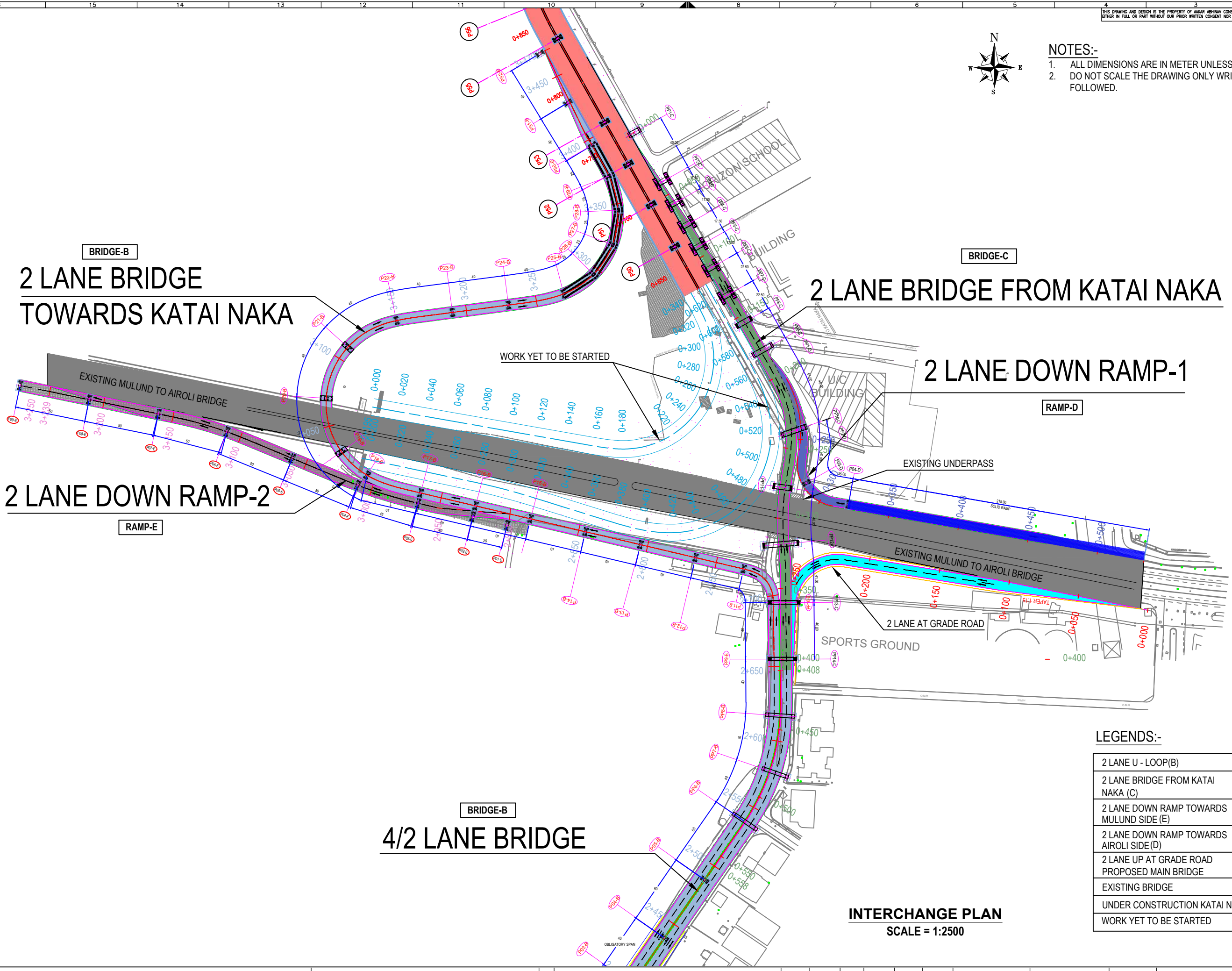
ENGINEERS, ARCHITECTS, PLANNERS & GRAPHIC DESIGNERS
C-401-410, KUKREJA CENTER, PLOT NO.13, SECTOR - 11, C.B.D.
BELAPUR, NAVI MUMBAI - 400 614.
[: +91 022 27580192, FAX: 91-022-27572533
E-MAIL: info@akarabhinav.com
Website: akarabhinav.com

STRUCTURAL DRAWINGS

GENERAL DRAWINGS



- NOTES:-
1. ALL DIMENSIONS ARE IN METER UNLESS OTHERWISE MENTIONED.
 2. DO NOT SCALE THE DRAWING ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.

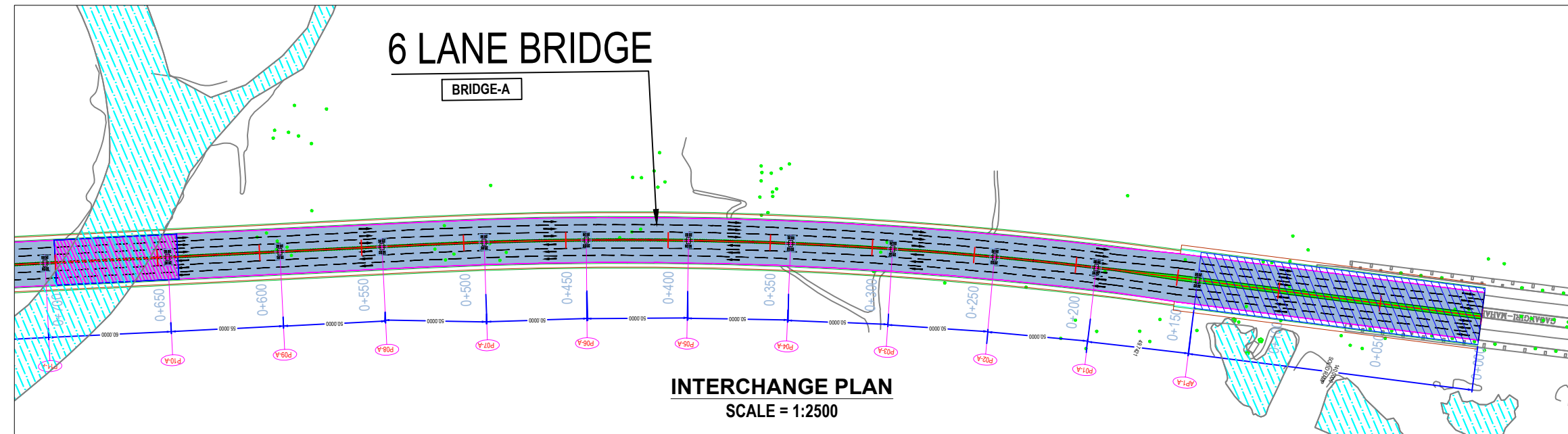
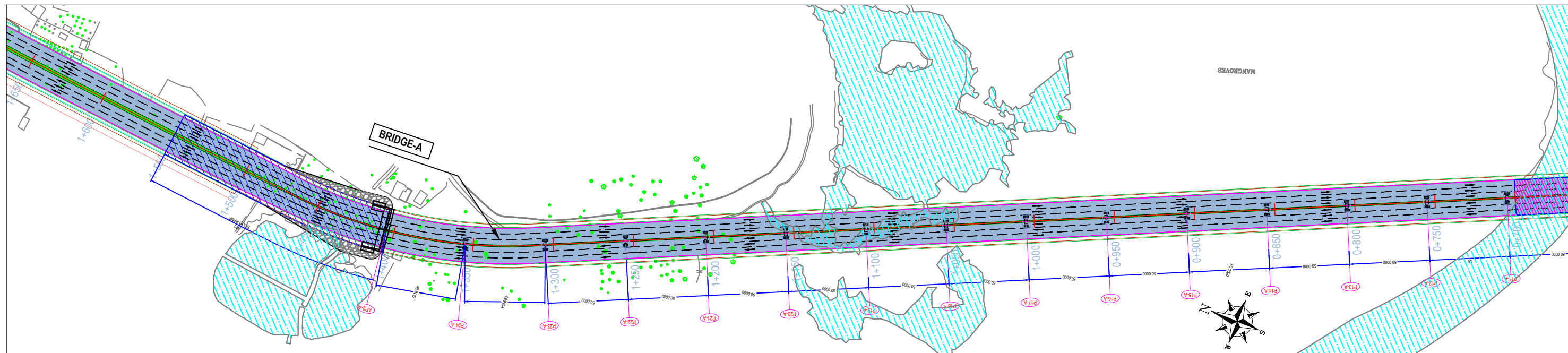
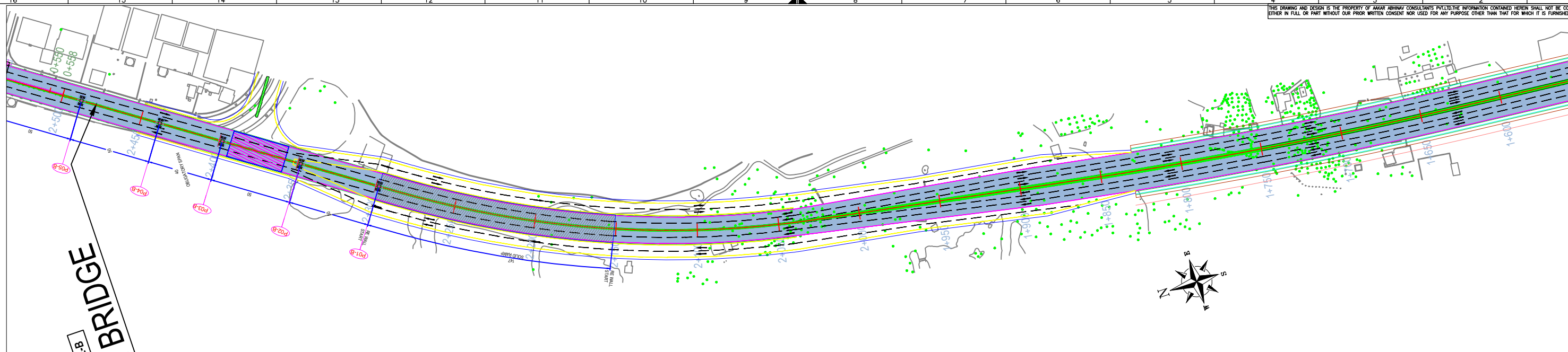


LEGENDS:-

2 LANE U - LOOP(B)	
2 LANE BRIDGE FROM KATAI NAKA (C)	
2 LANE DOWN RAMP TOWARDS MULUND SIDE (E)	
2 LANE DOWN RAMP TOWARDS AIROLI SIDE (D)	
2 LANE UP AT GRADE ROAD PROPOSED MAIN BRIDGE	
EXISTING BRIDGE	
UNDER CONSTRUCTION KATAI NAKA	
WORK YET TO BE STARTED	

INTERCHANGE PLAN
SCALE = 1:2500

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6 LANE BRIDGE

BRIDGE-A

INTERCHANGE PLAN
SCALE = 1:2500

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



CLIENT:

**NAVI MUMBAI
MUNICIPAL CORPORATION**

REV.	FOR TENDER	REVISION DETAILS	S.T.	DRN BY	DATE	D. M.	CKD BY	DATE	M.K.	APRD BY	DATE
10			09.01.2023			09.01.2023			09.01.2023		

DRAWING		DESIGN	
DRAWING BY	CHECKED BY	DESIGN BY	CHECKED BY
SISIRA T.	DIVYA M.	DIVYA M.	M. KHAN
09.01.2023		09.01.2023	

PROJECT :	CONSTRUCTION OF CREEK BRIDGE CONNECTING GHANSOLI - AIROLI ALONG PALM BEACH ROAD AT GHANSOLI, NAVI MUMBAI ON EPC MODE.
TITLE :	INTERCHANGE PLAN FOR GHANSOLI CREEK BRIDGE (SHEET 2 OF 2)
DRG NO :	1623-GH-AI-DES-INT-001
PROJECT NO.	1623
REV.	RO
SCALE :	AS SHOWN
A3	

NOTES:-

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHER WISE SPECIFIED.
2. DO NOT SCALE THE DRAWING ONLY WRITTEN DIMENSION TO BE FOLLOWED.
3. ALL REINFORCING STEEL SHALL BE OF TMT BARS / HIGH YIELD STRENGTH DEFORMED BARS (GRADE DESIGNATION FE 500) CONFORMING TO IS:178.
4. THE DESIGN SHALL CONFIRMING TO THE FOLLOWING.
IRC 112-2020: CODE OF PRACTICE FOR CONCRETE ROAD BRIDGES
ITC5-2015 (SEC I): GENERAL FEATURES OF DESIGN
IRC 6 2017(SEC II): LOADS AND STRESSES.
IRC 78-2014 (SEC VII): FOUNDATION AND SUBSTRUCTURES
5. GRADE OF CONCRETE: - DURABILITY REQUIREMENT AND CORROSION CONTROL AS PER IRC 112-2020 FOR EXPOSURE CONDITION SEVERE
MINIMUM WATER CEMENT RATION - 0.4
MINIMUM CEMENT CONTENT - 380 KG / M3
6. WEARING COAT CONSIST OF 50MM DBM THICK + 25MM THICK MASTIC ASPHALT + 6MM THICK WATER PROOFING MEMBRANE.
7. EXCAVATED EARTH SHOULD NOT BE USED FOR THE BACK FILLING OF BEHIND THE RE WALL. THE FILLING SHALL CONFIRM THE SPECIFICATION 305 OF MORT&H AND CLAUSE 710.14 (APPENDIX 6) OF IRC 78 -2014.
8. SEISMIC ZONE - III AND SEVERE CONDITION.
9. 600MM THICK FILTER MEDIA SHALL BE PROVIDED BEHIND SIDE WALLS AS PER IRC:78-2014.
10. WEEP HOLES OF 100MM DIA (V:20H) SHALL BE PROVIDED AT 1000MM C/C BOTH HORIZONTALLY & VERTICALLY IN A STAGGERED MANNER IN SIDE WALLS OF ABOVE 500MM FROM GROUND LEVEL OR LOWEST WATER LEVEL WHICHEVER IS HIGHER.
11. ANNULAR FILLING SHALL BE PROVIDED IN FOUNDATION RESTING IN HARD ROCK CUTTING.
12. THE DRAINAGE SPOUT AT SUITABLE INTERVALS TO BE PROVIDED AS PER HYDRAULIC DESIGN CALCULATIONS AND MORTH SPECIFICATIONS.
13. THE SURFACE OF CONCRETE AT THE CONSTRUCTION JOINT SHALL BE LEFT SUFFICIENTLY ROUGH HACKED TO REMOVE ALL LOOSE MATERIAL. FRESH CONCRETE SHALL BE POURED ONLY AFTER APPLYING CONCRETE SLURRY. NEW FACE OF CONCRETE SURFACE SHALL BE BONDED WITH EXISTING SURFACE WITH REQUIRED BONDING SOLUTION / AGENT.
14. ALL THE LEVELS, CAMBERS TO BE VERIFIED WITH RESPECT TO PLAN & PROFILE DRAWINGS BEFORE STARTING UP OF EXECUTION.
15. ALL THE DIMENSIONS AND THE NUMBER OF PILES SHOWN IN THE DRAWING ARE TENTATIVE, IT MIGHT VARY AT THE TIME OF DETAIL ENGINEERING.
16. SPLICING OF REINFORCEMENT SHALL BE AVOID AS FAR AS PRACTICABLE. IN CASE SPLICING OF BAR BECOMES UN AVOIDABLE. THE ARRANGEMENT SHALL BE CONFIRMING TO IRC 112-2020.
17. LAPPING OF REINFORCEMENT SHALL BE AVOIDED AS FAR AS PRACTICABLE. IN CASE LAPPING OF BAR IS UN AVOIDABLE MINIMUM LAP LENGTH SHALL BE CALCULATED AS FOLLOWS WITH MAXIMUM ALLOWABLE LAPPING (P) OF 50 % ONLY. (IRC 112.2020) (CLAUSE 15.2.5.1). FOR UNFAVORABLE BOND CONDITION THE LB SHOULD BE MULTIPLIED BY FACTOR OF 1.43 FOR $\phi > 32$ MM LB, SHOULD BE INCREASED MULTIPLYING FACTOR (100/ 32 ϕ).
18. WE ASSUMED RECOMMENDED PILE CAPACITY IS 650 T.
19. PILE EMBEDMENT IN TO THE ROCK SHALL BE AS PER THE GEOTECHNICAL REPORT IN CONFIRMATION TO IS 2911 Part 1 sec 2 - 2010.
20. THE LENGTH OF THE PILE SHALL BE AS PER GEOTECH REPORT (BORE HOLES).
21. EXPANSION JOINT MUST BE ROBUST, DURABLE, WATER TIGHT AND REPLACEABLE.IT MUST BE PROVIDED OVER THE FULL WIDTH OF THE DECK AND FOLLOW THE PROFILE INCLUDING KERB , FOOT PATH (WHERE RELEVANT) AND FACIA. EXPANSION JOINT SHALL BE OBTAINED ONLY FROM APPROVED MANUFACTURES AND BE PROVEN TYPE. DETAILS OF EXPANSION JOINTS MAY BE GOT APPROVED BEFORE COMMENCEMENT OF CONSTRUCTION. SITE FABRICATED EXPANSION JOINT SHALL BE PROHIBITED. 40MM EXPANSION JOINT DOES NOT CATER FOR ANY ALLOWANCE FOR POSSIBLE TILTING OF PIER / ABUTMENT PIER.MODULAR TYPE EXPANSION JOINT SHALL BE PROVIDED CONFIRMING IRC: SP: 69: 2011
- 22.A COAT OF MASTIC ASPHALT 25MM THICK, WITH A PRIME COAT OVER THE TOP OF THE DECK SHALL BE LAID BEFORE THE WEARING COAT IS LAID. THE PRIME COAT OF MASTIC ASPHALT SHALL BE 30% STRAIGHT RUN 30/40 PENETRATION GRADE BITUMEN AND 50% LIGHT SOLVENT (BENZOL) TO BE LAID OVER THE DECK SLAB. THE INSULATING LAYER 6MM THICK MASTIC ASPHALT WITH 75% LIME STONE DUST FILLER AND 25% OF 30/40 PENETRATION GRADE BITUMEN SHALL BE LAID AT 375°F WITH BROOM OVER PRIME COAT.
- 23.40MM THICK ASPHALTIC CONCRETE WEARING COAT AS PER CLAUSE 512 OF MORTH'S SPECIFICATIONS FOR ROAD AND BRIDGE WORKS.
- 24.ALL THE DETAILS PROVIDED IN THE DRAWINGS ARE TENTATIVE AND WILL BE RECONFIRMED WHILE DOING DETAILED ENGINEERING.
- 25.ALL BEARING SHALL BE POT/ PTFE BEARING/ SPHERICAL BEARING (TYP.)
- 26.THIS DRAWINGS SHALL BE READ AND CONJUNCTION WITH TECHNICAL SCHEDULE.
27. AS PER THE SITE CONDITION WHERE EVER THE WATER FLOW REQUIREMENT ACROSS THE APPROACH IS THERE SUITABLE NUMBER OF PIPE SHALL BE PROVIDED TO THE FLOW WATER SMOOTHLY.
28. M.S LINER OF MINIMUM 6MM THICKNESS SHALL BE USED FOR ALL PILES UP TO A LEVEL OF HARD STRATA.
29. TYPE OF FOUNDATION SHOWN IN TENDER DRAWINGS ARE INDICATIVE ONLY. BIDDERS HAS TO DO HIS OWN INVESTIGATIONS AND ASSESSMENT TO DECIDE THE TYPE OF FOUNDATION TO BE ADOPTED.

CONSULTING ENGINEERS:

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CONSULTANTS PRIVATE LIMITED
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RO	FOR TENDER	S.T	09.01.2023	D.M	09.01.2023	M.K	09.01.2023
REV.	REVISION DETAILS			DRN BY	DATE	CKD BY	DATE
10	9	8	7	6	5	4	3

DRAWING		DESIGN	
DRAWING BY	CHECKED BY	DESIGN BY	CHECKED BY
SISIRA T.	DIVYA M.	NEHAL B/ DIVYA M.	DIVYA M.

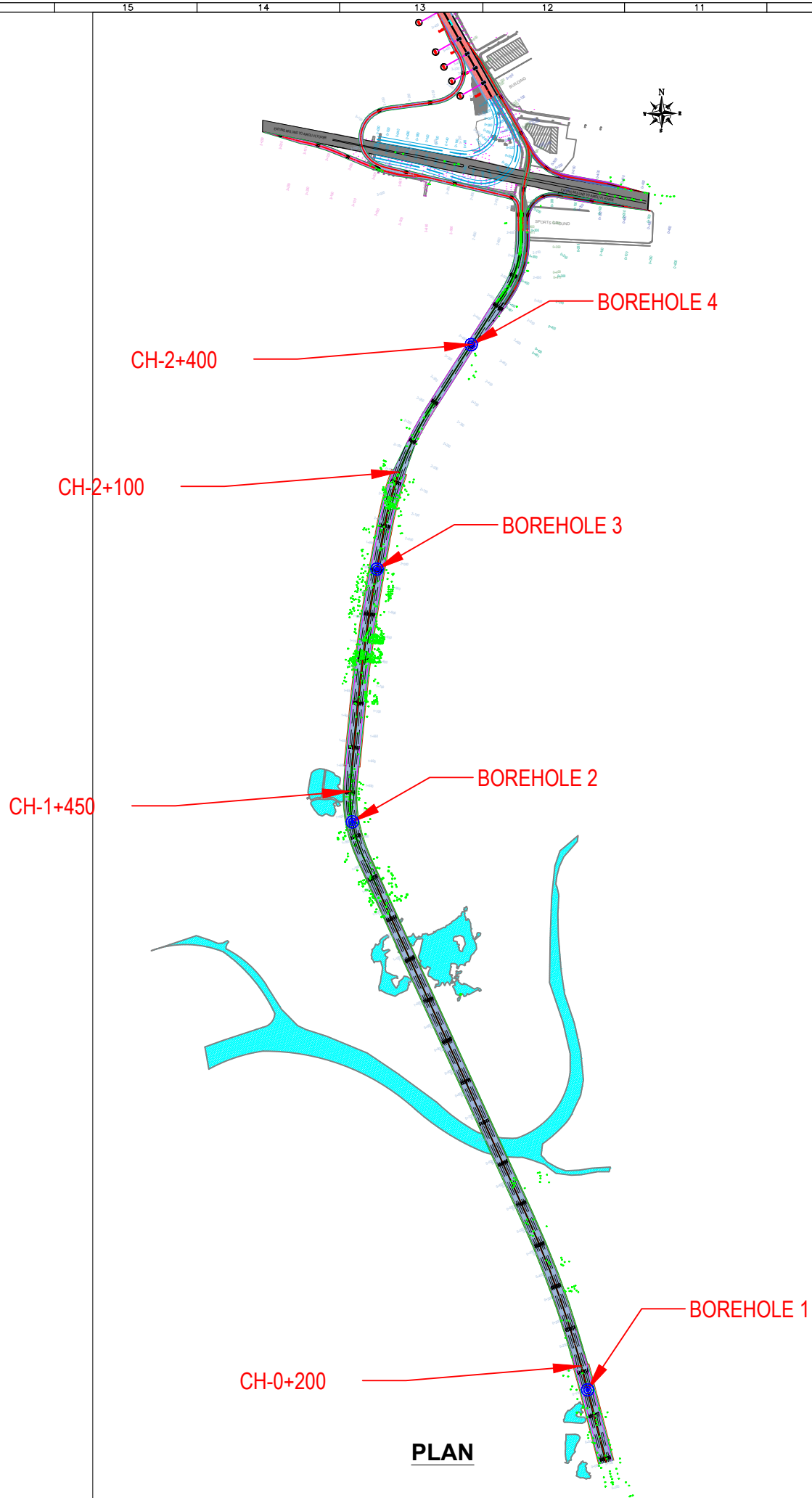
APPROVED BY

M.KHAN

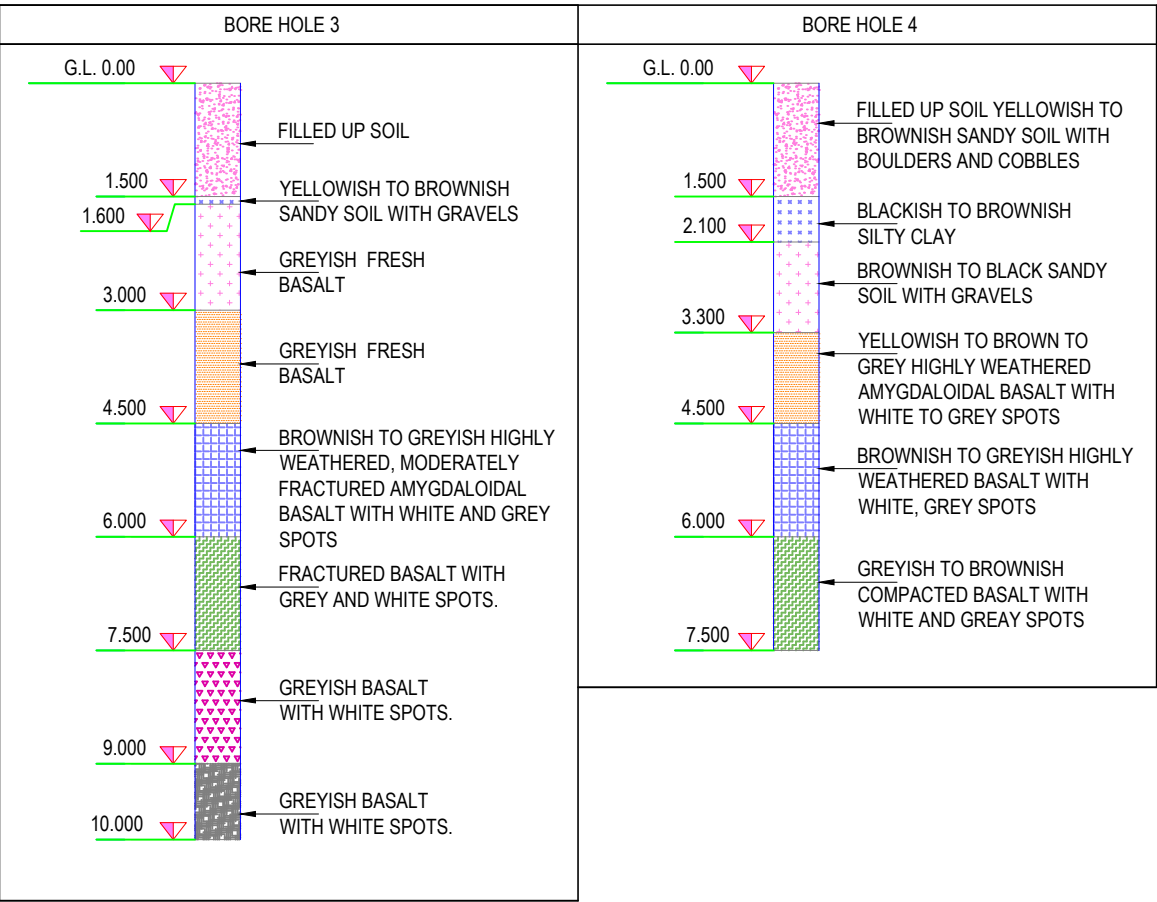
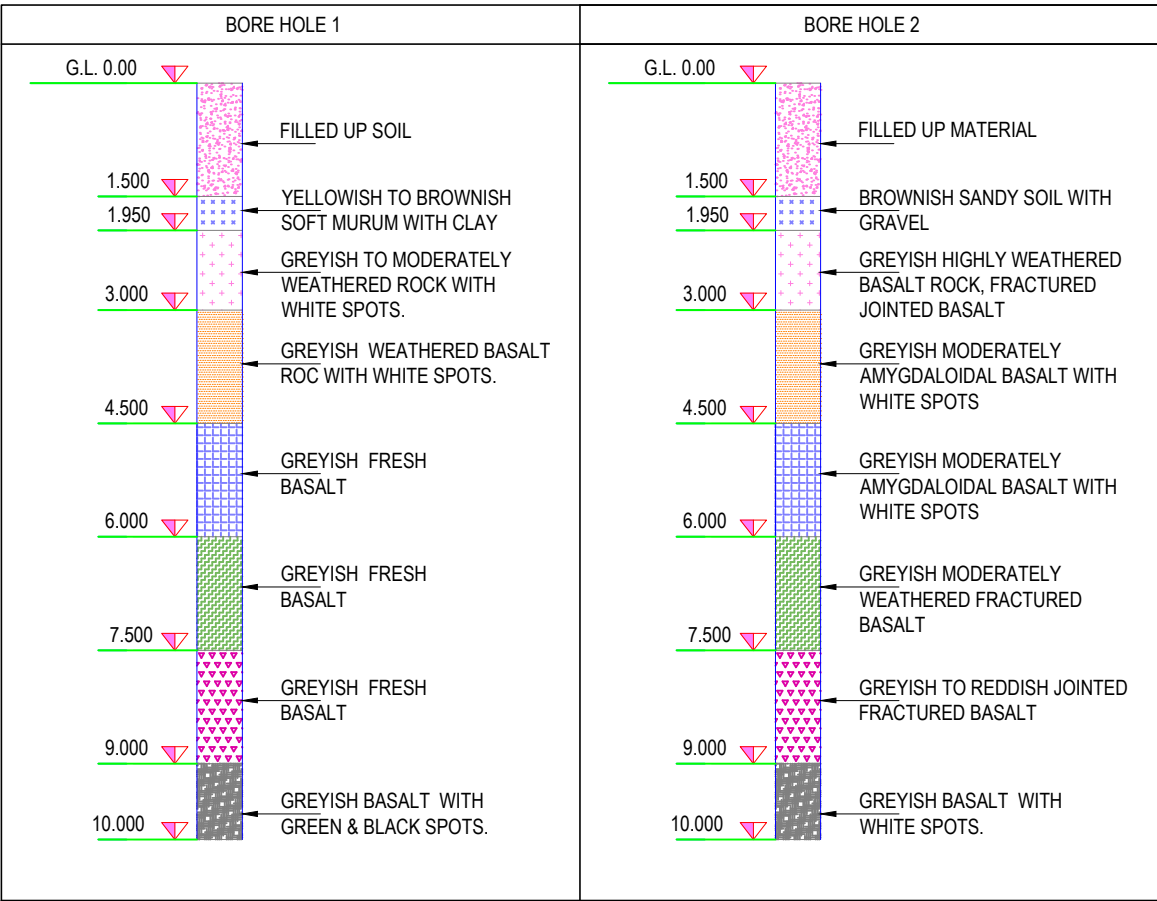
PROJECT : **CONSTRUCTION OF CREEK BRIDGE CONNECTING GHANSOLI - AIROLI
ALONG PALM BEACH ROAD AT GHANSOLI, NAVI MUMBAI ON EPC MODE.**

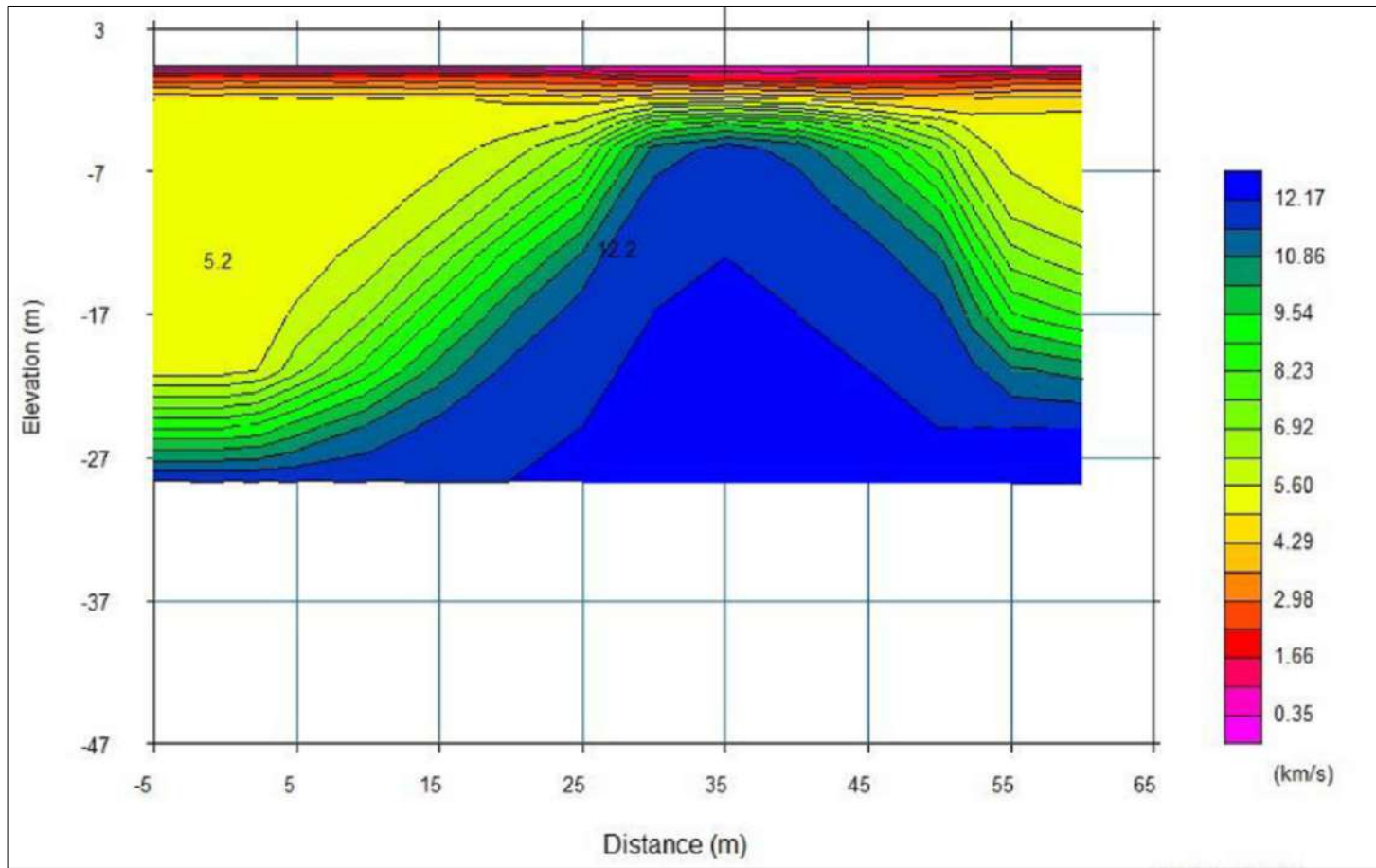
TITLE : **GENERAL NOTES**

DRG NO: 1623-GH-AI-STR-NOTES PROJECT NO. 1623 REV. R0 SCALE: AS SHOWN A3

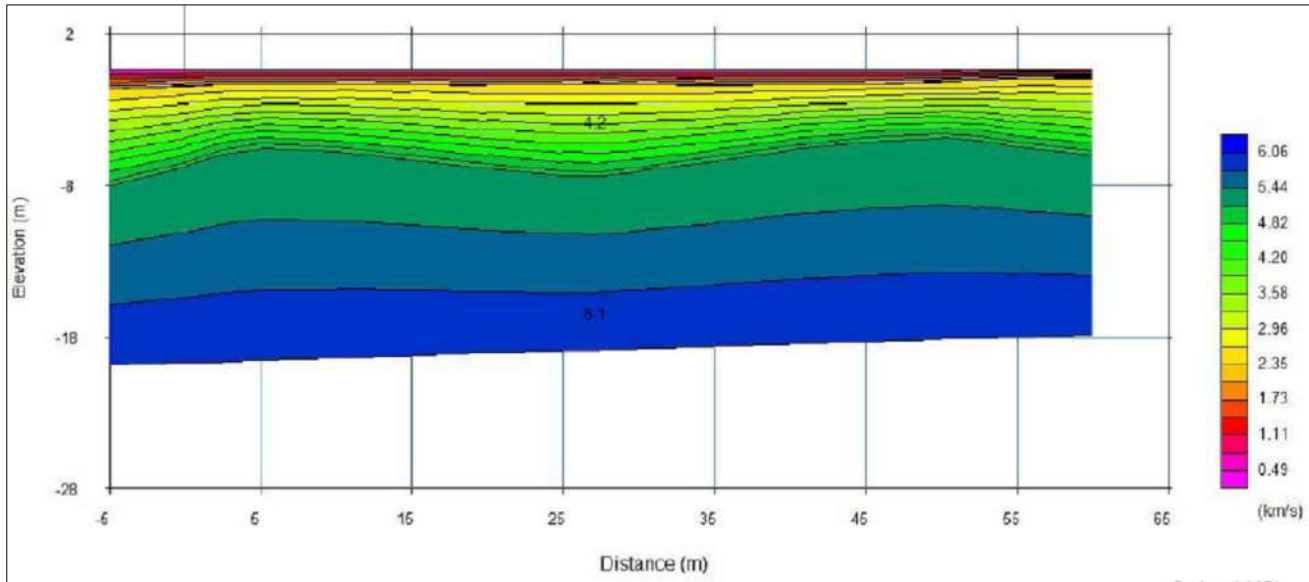


PLAN

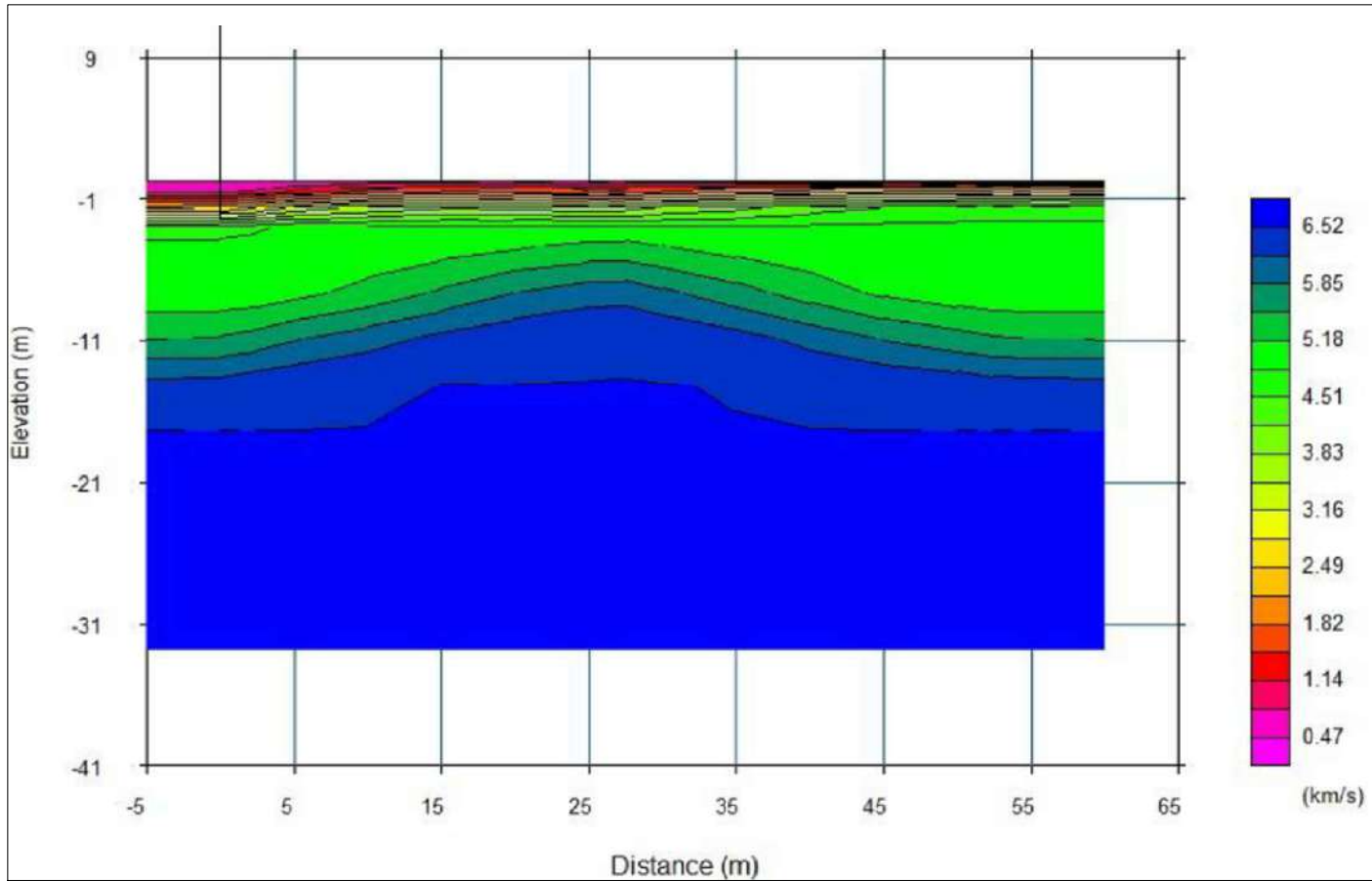




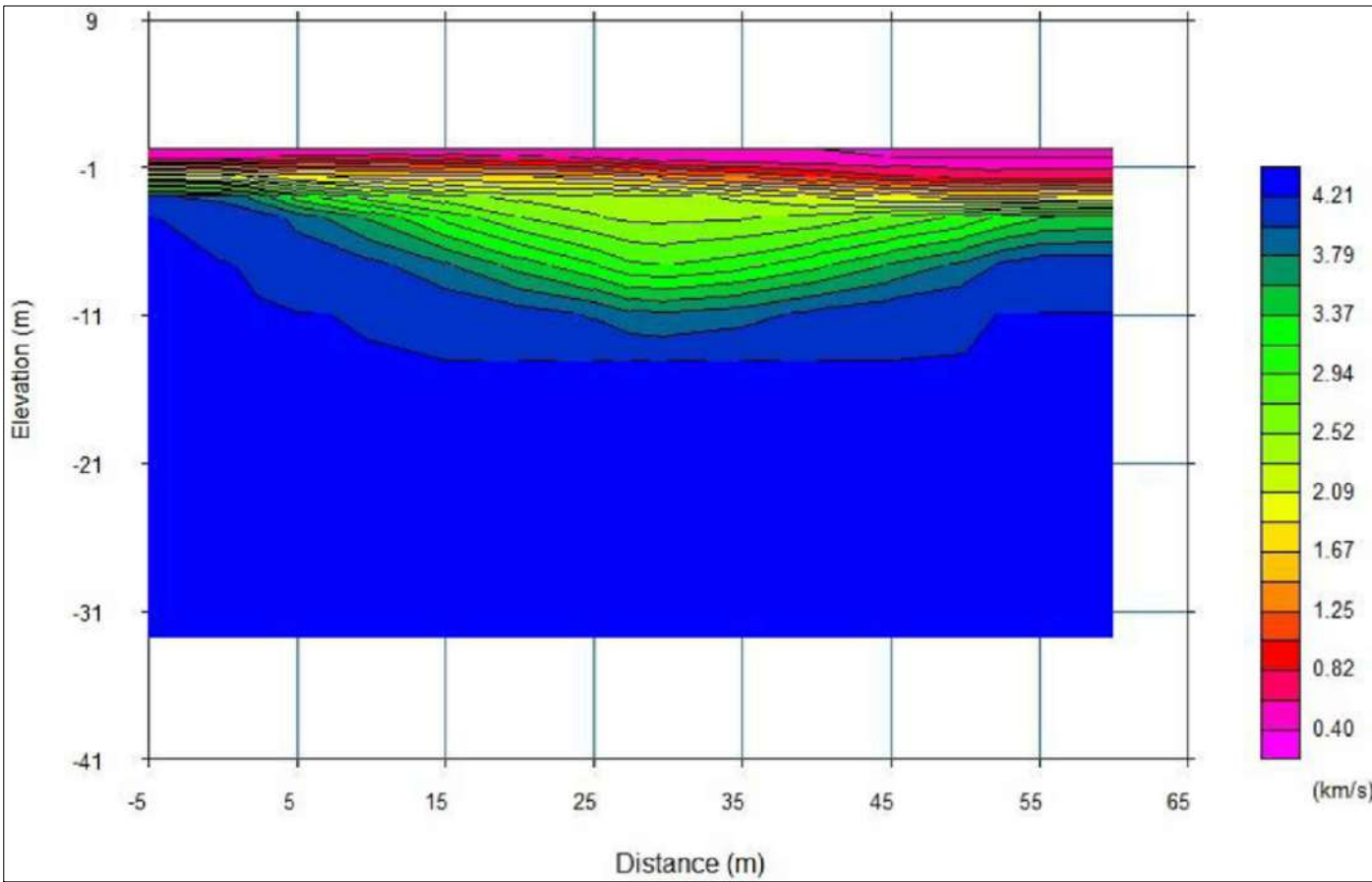
VELOCITY PROFILE AT CH 0+250



VELOCITY PROFILE AT CH 0+310

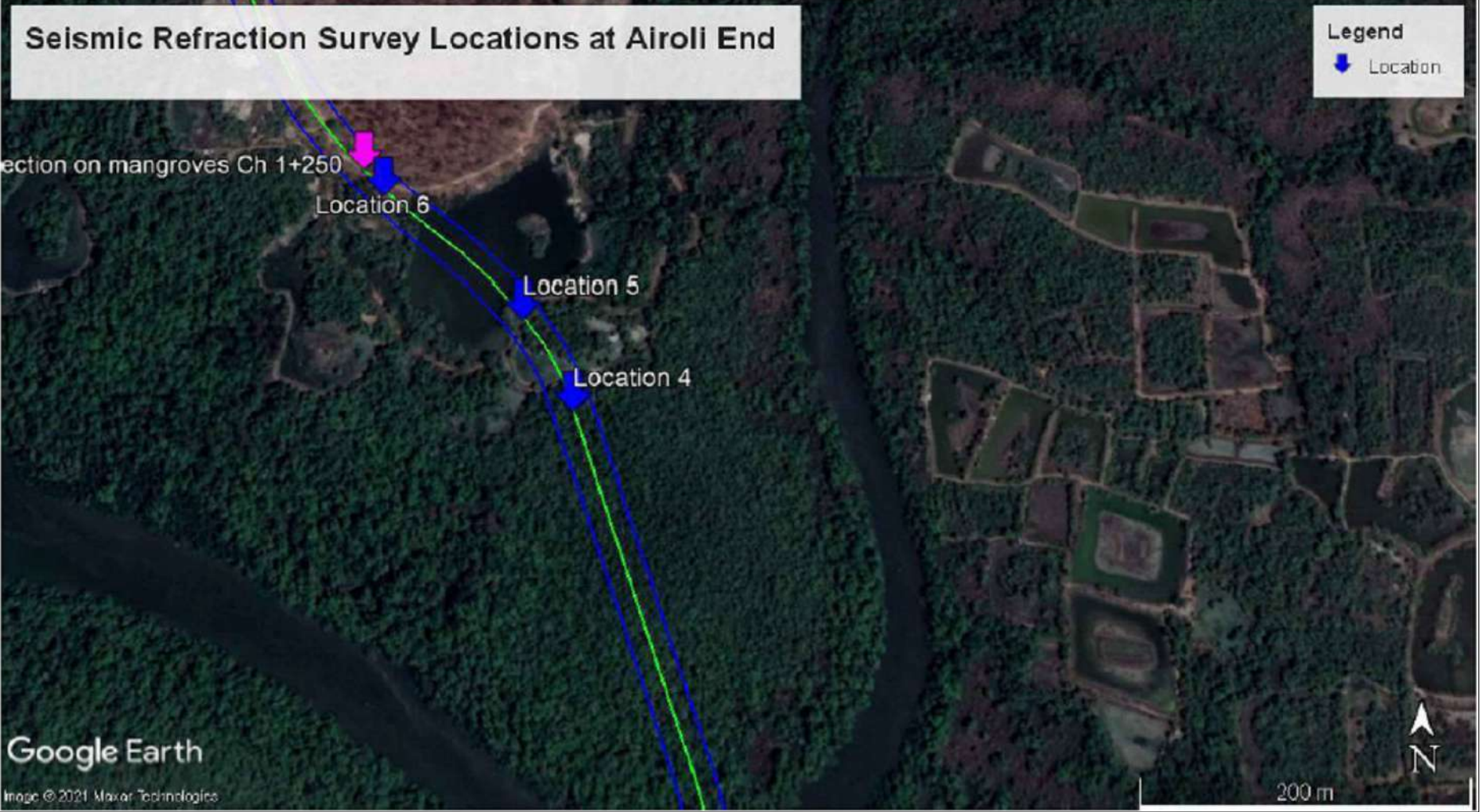


VELOCITY PROFILE AT CH 0+380



VELOCITY PROFILE AT CH 1+050

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10		9		8		7	
REVISION DETAILS							

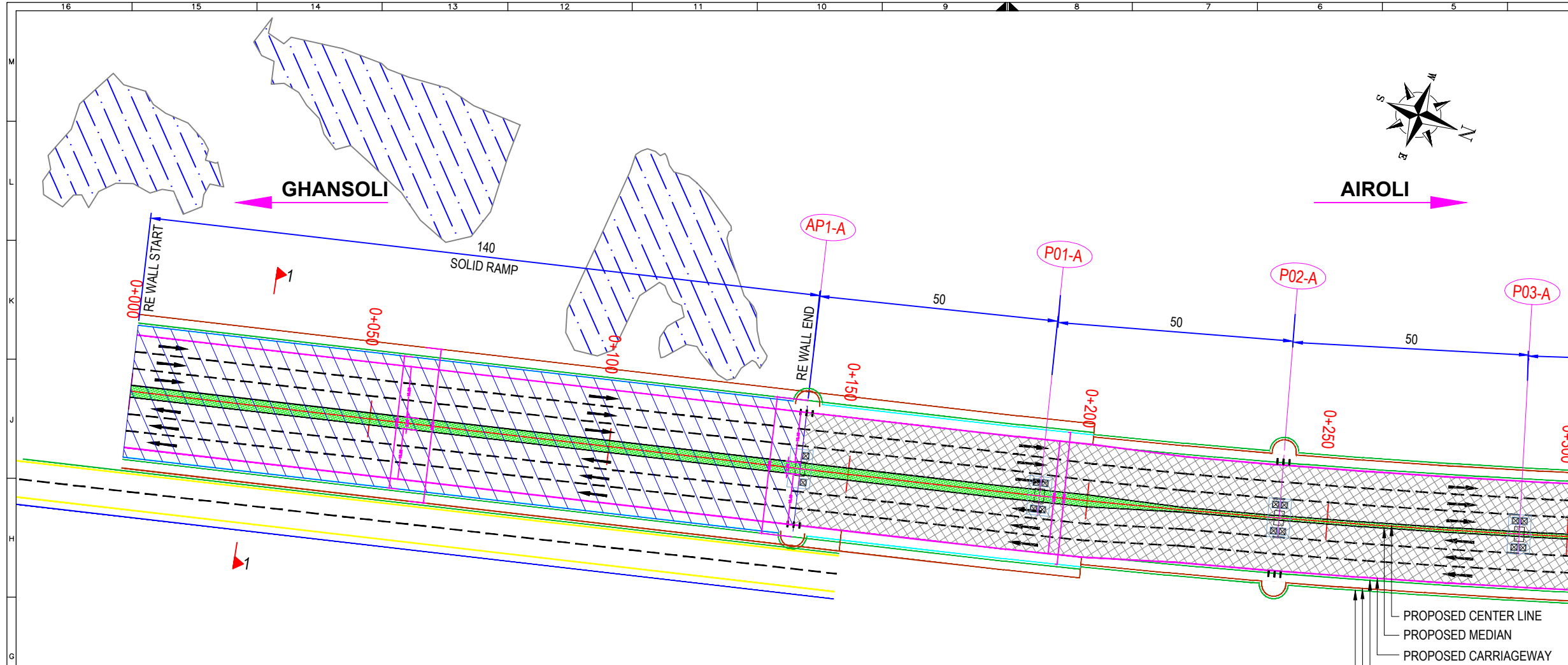
DRAWING		DESIGN	
DRAWING BY	CHECKED BY	DESIGN BY	CHECKED BY
SISIRAT.	DIVYA M.	NEHAL B/ DIVYA M.	DIVYA M.
DATE: 09.01.2023		DATE: 09.01.2023	

APPROVED BY

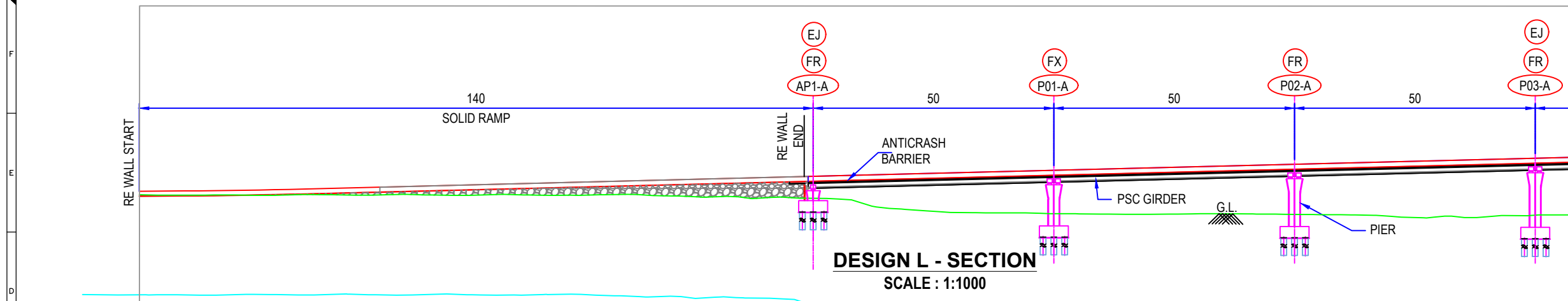
M.KHAN

PROJECT : CONSTRUCTION OF CREEK BRIDGE CONNECTING GHANSOLI - AIROLI ALONG PALM BEACH ROAD AT GHANSOLI, NAVI MUMBAI ON EPC MODE.			
TITLE : SEISMIC REFRACTION SURVEY LOCATIONS			
DRG NO: 1623-GH-AI-STR-SRSL-001	PROJECT NO. 1623	REV. R0	SCALE: AS SHOWN
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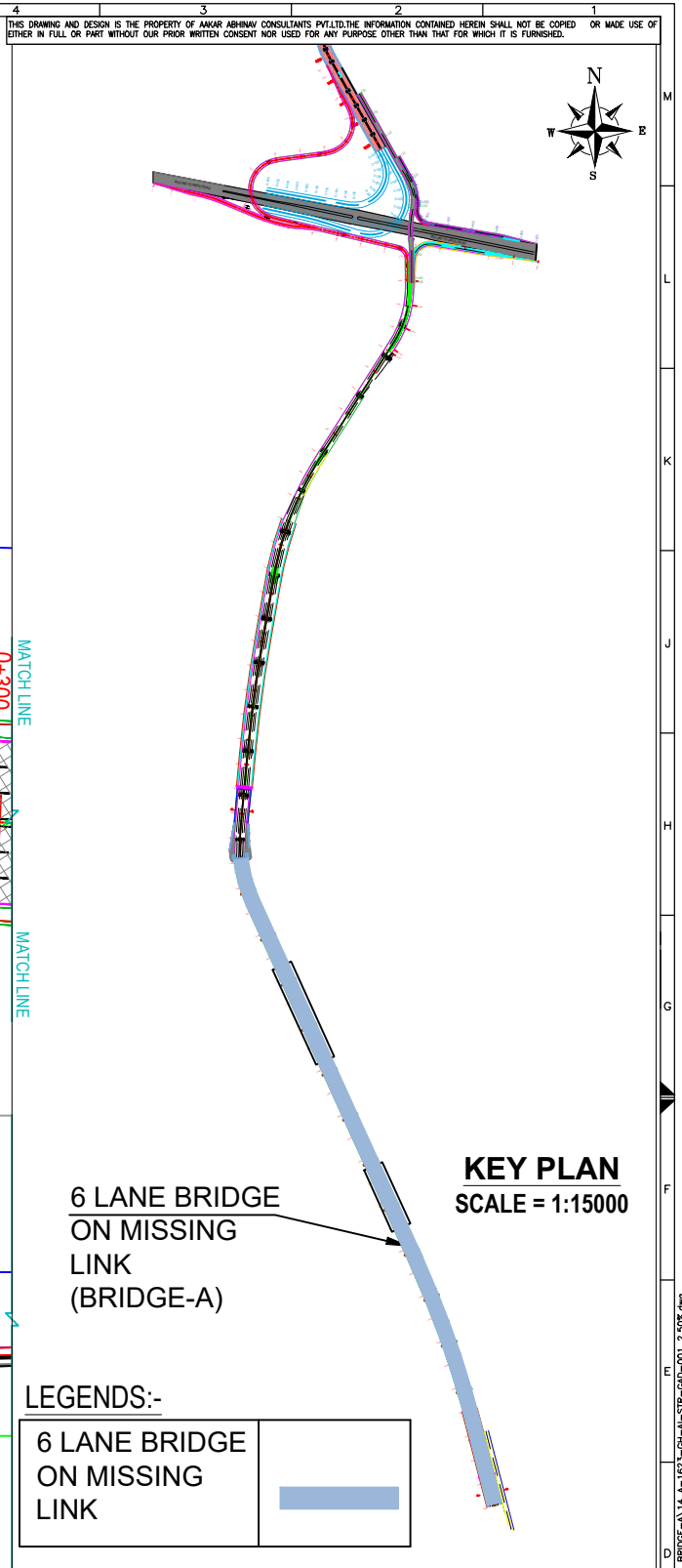
BRIDGE-A



PLAN
SCALE = 1:1000



DESIGN L - SECTION
SCALE : 1:1000



KEY PLAN
SCALE = 1:15000

LEGENDS:-

6 LANE BRIDGE ON MISSING LINK	
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REFERENCES:

FOR NOTES DRG NO:- 1623-GH-AI-DES-NOTES
*THIS DRAWING SHALL BE READ AND CONJUNCTION WITH P&P AND CORRESPONDING GAD.

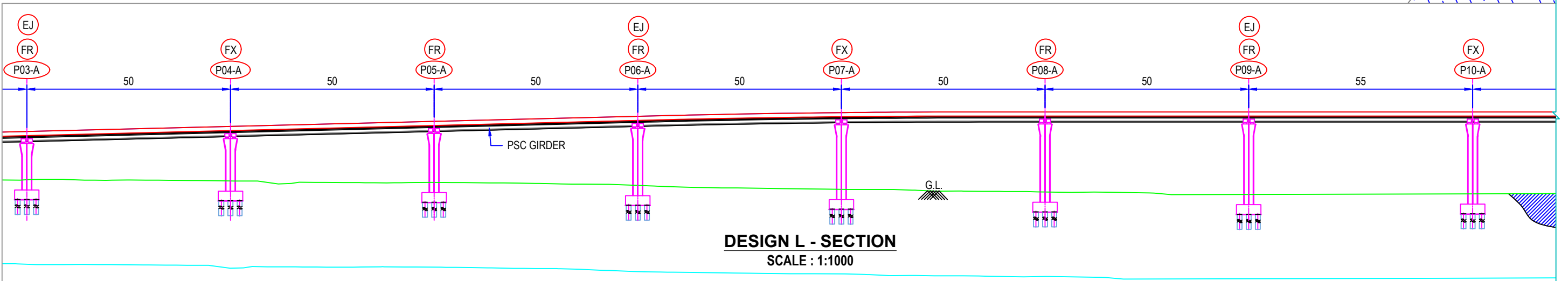
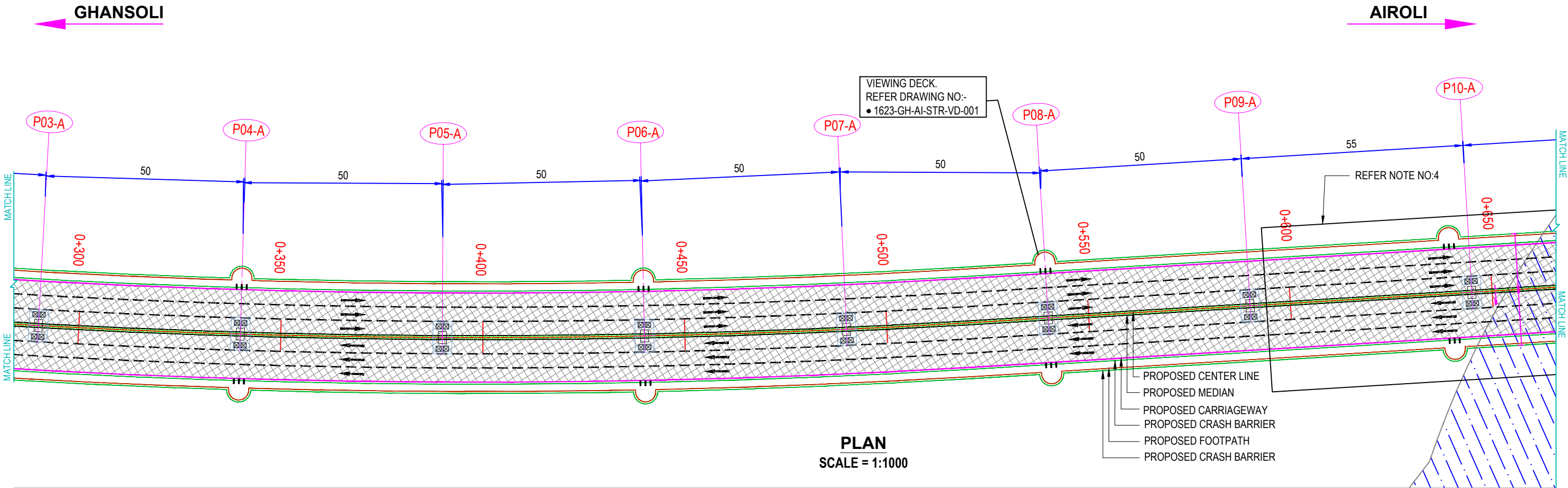
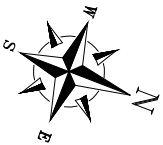
NOTES:-

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- FOR RE WALL CROSS SECTIONS REFER HIGHWAY DRAWINGS.
- TEMPORARY ACCESS NEEDS TO BE CONSIDERED.

PROP ROAD LEVELS	4.330	7.426	8.675	9.924	11.173
EX GR LEVELS	4.597	3.862	0.649	0.524	0.353
CUT/FILL	0.250	3.564	8.026	9.401	10.820
CHAINAGE	000.000	140.000	190.000	240.000	290.000

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- REFERENCES:
FOR NOTES DRG NO:- 1623-GH-AI-DES-NOTES
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PROP ROAD LEVELS	11.173	12.422	13.672	14.921	15.821	15.996	15.996	15.996
EX GR LEVELS	0.353	0.048	-0.318	-1.051	-2.024	-2.681	-3.278	-3.136
CUT/FILL	10.820	12.374	13.990	15.972	17.845	18.677	19.274	19.132
CHAINAGE	290.000	340.000	390.000	440.000	490.000	540.000	590.000	645.000

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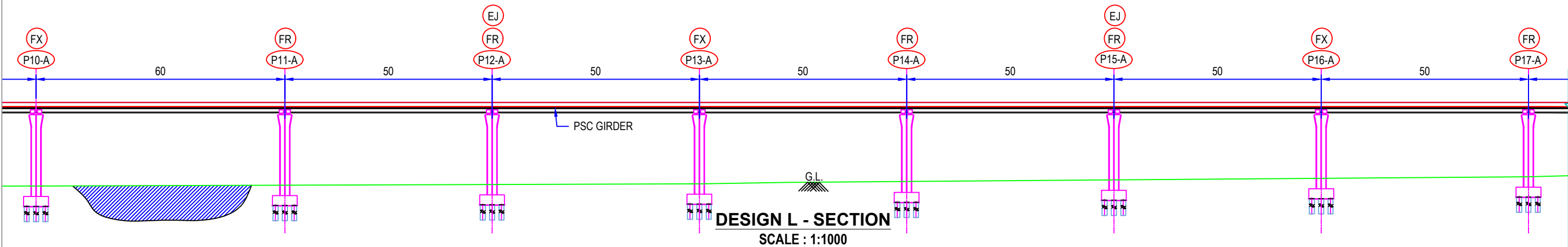
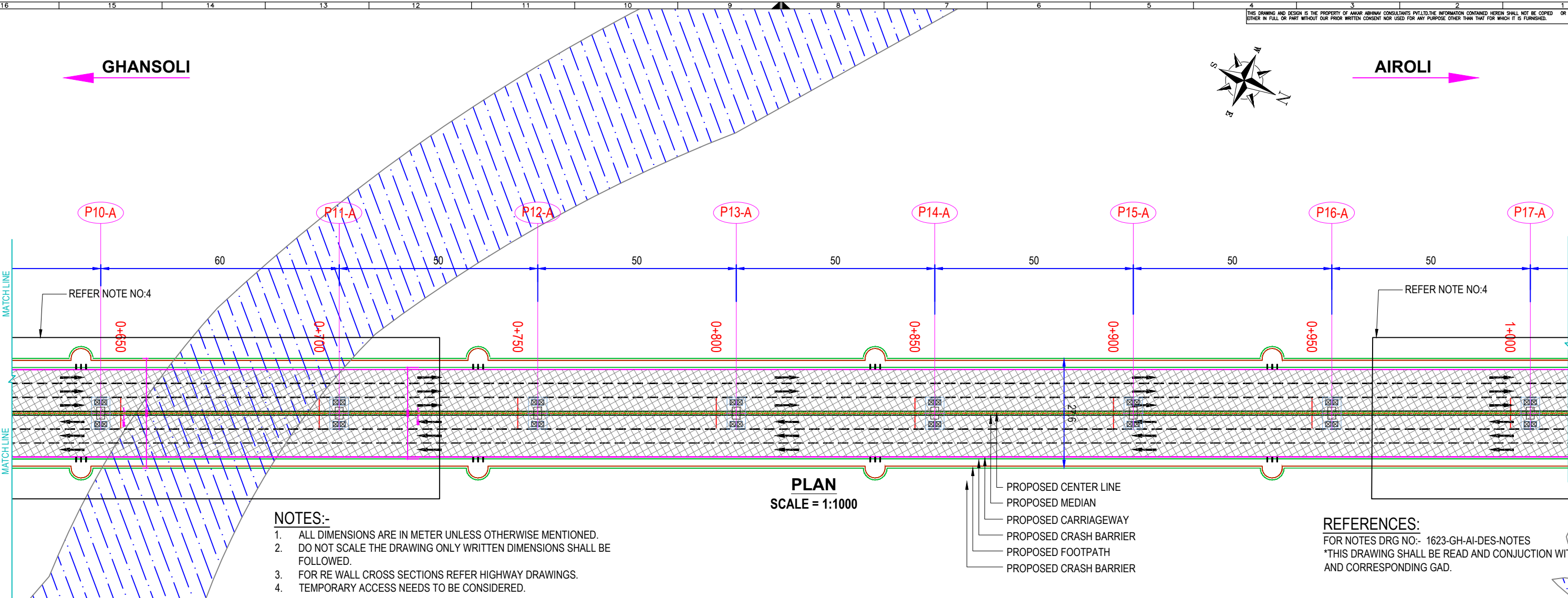
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DRAWING		DESIGN		APPROVED BY	
DRAWING BY	CHECKED BY	DESIGN BY	CHECKED BY		
SISIRA T.	DIVYA M.	NEHAL B./ DIVYA M.	DIVYA M.		
DATE: 09.01.2023		DATE: 09.01.2023		M.KHAN	

PROJECT : CONSTRUCTION OF CREEK BRIDGE CONNECTING GHANSOLI - AIROLI ALONG PALM BEACH ROAD AT GHANSOLI, NAVI MUMBAI ON EPC MODE.			
TITLE : GENERAL ARRANGEMENT DRAWING (SHEET 2 OF 5)			
DRG NO: 1623-GH-AI-STR-GAD-001	PROJECT NO. 1623	REV. RO	SCALE: AS SHOWN A3

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PROP ROAD LEVELS	15.996	15.996	15.996	15.996	15.996	15.996	15.996	15.996
EX GR LEVELS	-3.136	-2.939	-2.768	-2.597	-2.063	-1.665	-1.285	-0.899
CUT/FILL	19.132	18.935	18.764	18.593	18.049	17.661	17.281	16.895
CHAINAGE	645.000	705.000	755.000	805.000	855.000	905.000	955.000	1005.000

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REV.			DRN BY	DATE	CKD BY	DATE	APRD BY	DATE

DRAWING		DESIGN		APPROVED BY
DRAWING BY	CHECKED BY	DESIGN BY	CHECKED BY	
SISIRA T.	DIVYA M.	NEHAL B. / DIVYA M.	DIVYA M.	M.KHAN
DATE: 09.01.2023		DATE: 09.01.2023		

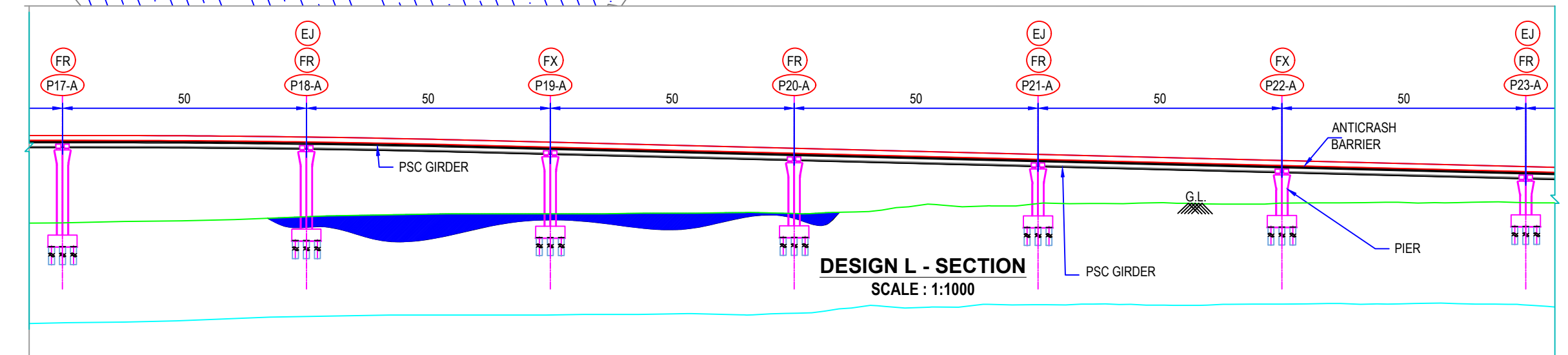
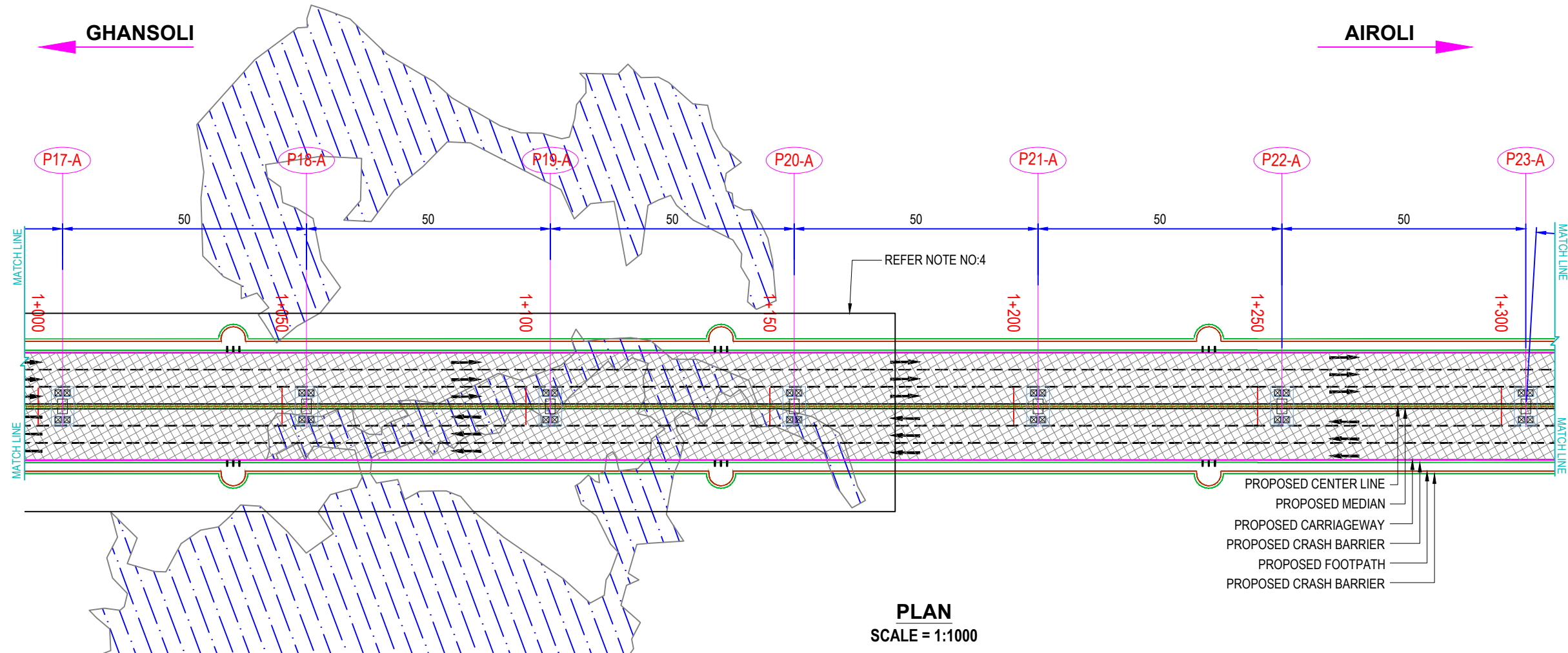
PROJECT : **CONSTRUCTION OF CREEK BRIDGE CONNECTING GHANSOLI - AIROLI ALONG PALM BEACH ROAD AT GHANSOLI, NAVI MUMBAI ON EPC MODE.**

TITLE : **GENERAL ARRANGEMENT DRAWING (SHEET 3 OF 5)**

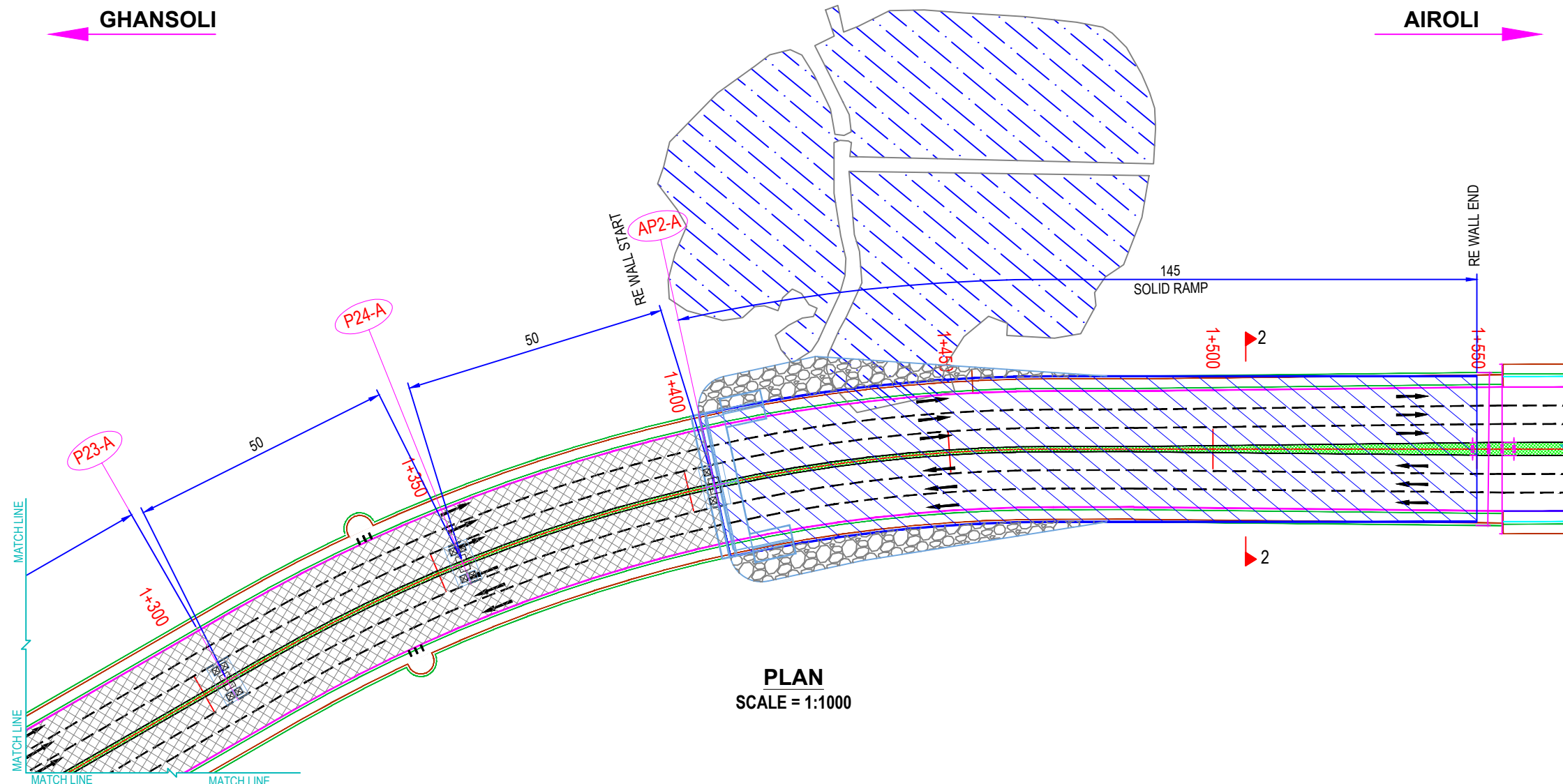
DRG NO: 1623-GH-AI-STR-GAD-001	PROJECT NO. 1623	REV. RO	SCALE: AS SHOWN	A3
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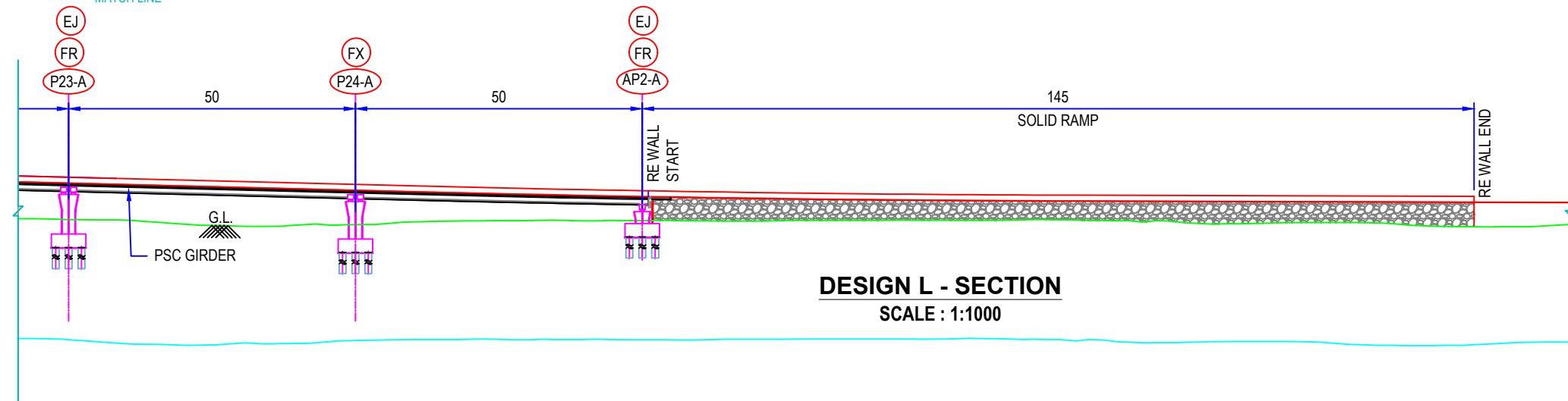
REFERENCES:
FOR NOTES DRG NO:- 1623-GH-AI-DES-NOTES
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PROP ROAD LEVELS	15.996	15.678	14.625	13.373	12.121	10.869	9.617
EX GR LEVELS	-0.899	0.350	0.941	1.006	3.069	3.136	3.221
CUT/FILL	16.895	15.328	13.684	12.367	9.052	7.733	6.396
CHAINAGE	1005.000	1055.000	1105.000	1155.000	1205.000	1255.000	1305.000



PLAN
SCALE = 1:1000



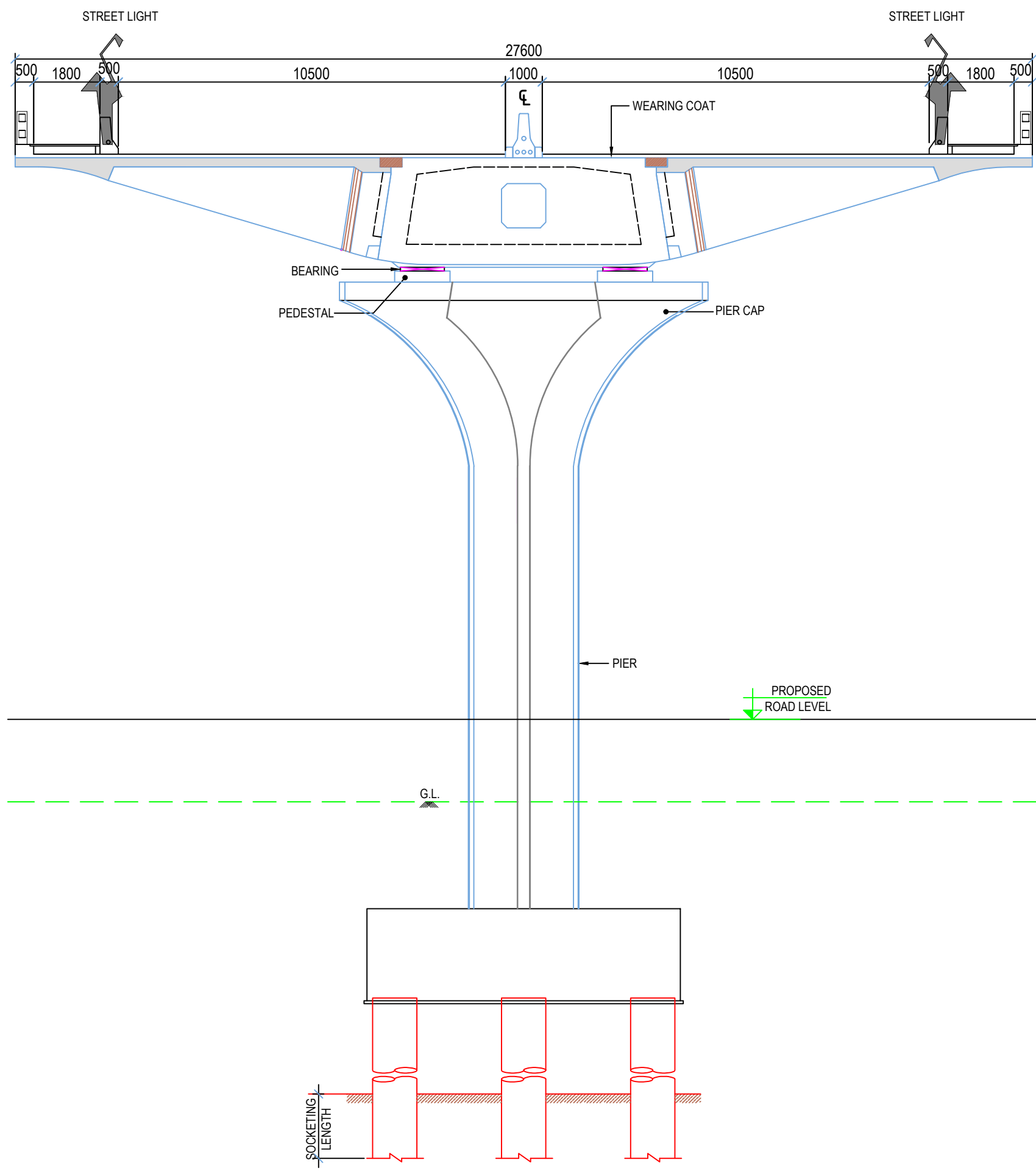
DESIGN L - SECTION
SCALE : 1:1000

PROP ROAD LEVELS	9.617	8.365	7.113	4.778
EX GR LEVELS	3.221	2.338	3.045	1.985
CUT/FILL	6.396	6.027	4.068	2.793
CHAINAGE	1305.000	1355.000	1405.000	1550.000

NOTES:-

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- DO NOT SCALE THE DRAWING ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
- FOR RE WALL CROSS SECTIONS REFER HIGHWAY DRAWINGS.
- TEMPORARY ACCESS NEEDS TO BE CONSIDERED.

REFERENCES:
FOR NOTES DRG NO:- 1623-GH-AI-DES-NOTES
*THIS DRAWING SHALL BE READ AND CONJUNCTION WITH P&P AND CORRESPONDING GAD.

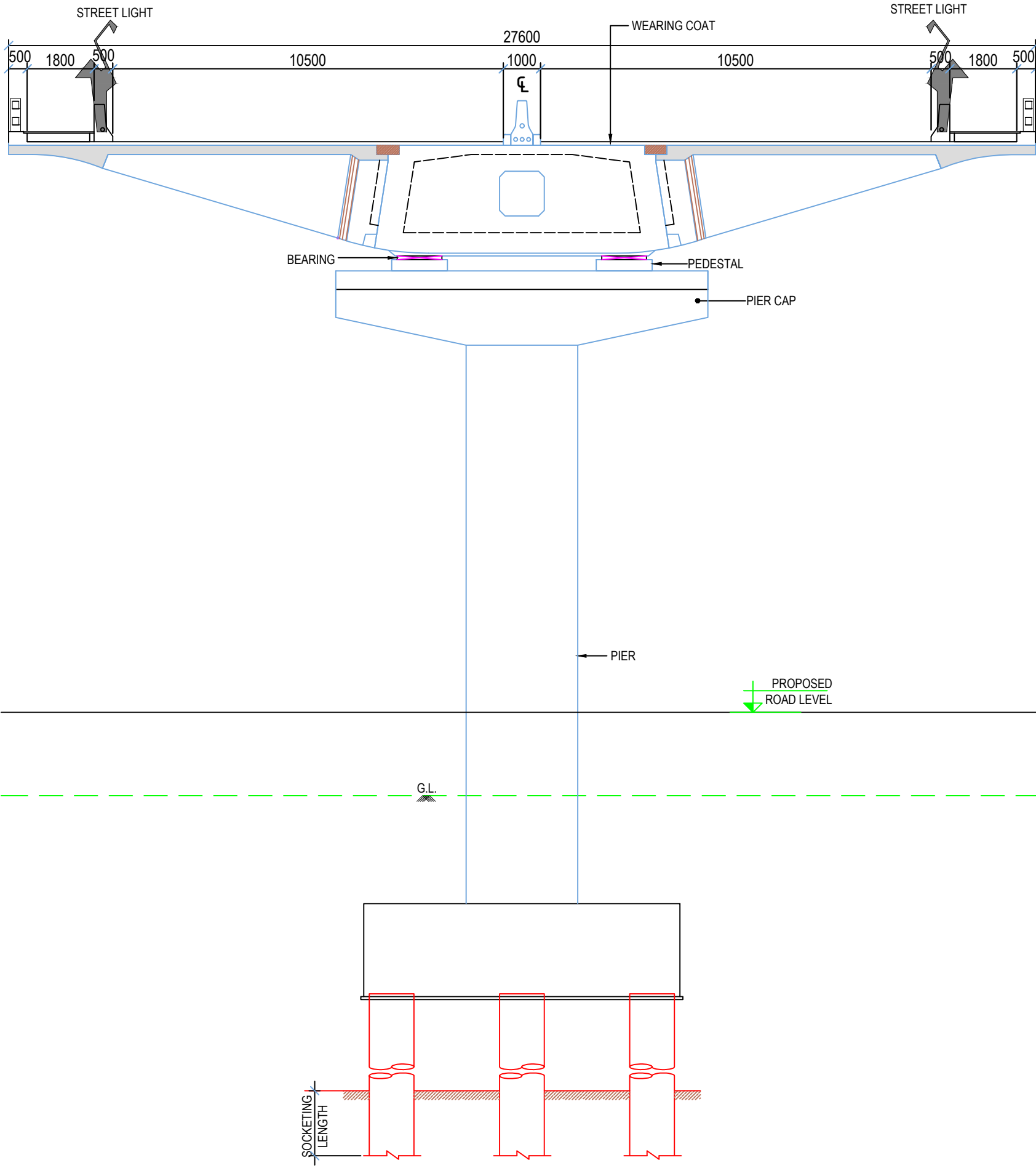


CROSS SECTION FOR P01-A TO P09-A & P12-A TO P24-A
(SCALE 1:125)

REFERENCES:-
GAD REF DRG NO :- 1623-GH-AI-STR-GAD-001
FOR NOTES DRG NO:- 1623-GH-AI-DES-NOTES
*THIS DRAWING SHALL BE READ AND CONJUNCTION WITH
P&P AND CORRESPONDING GAD.



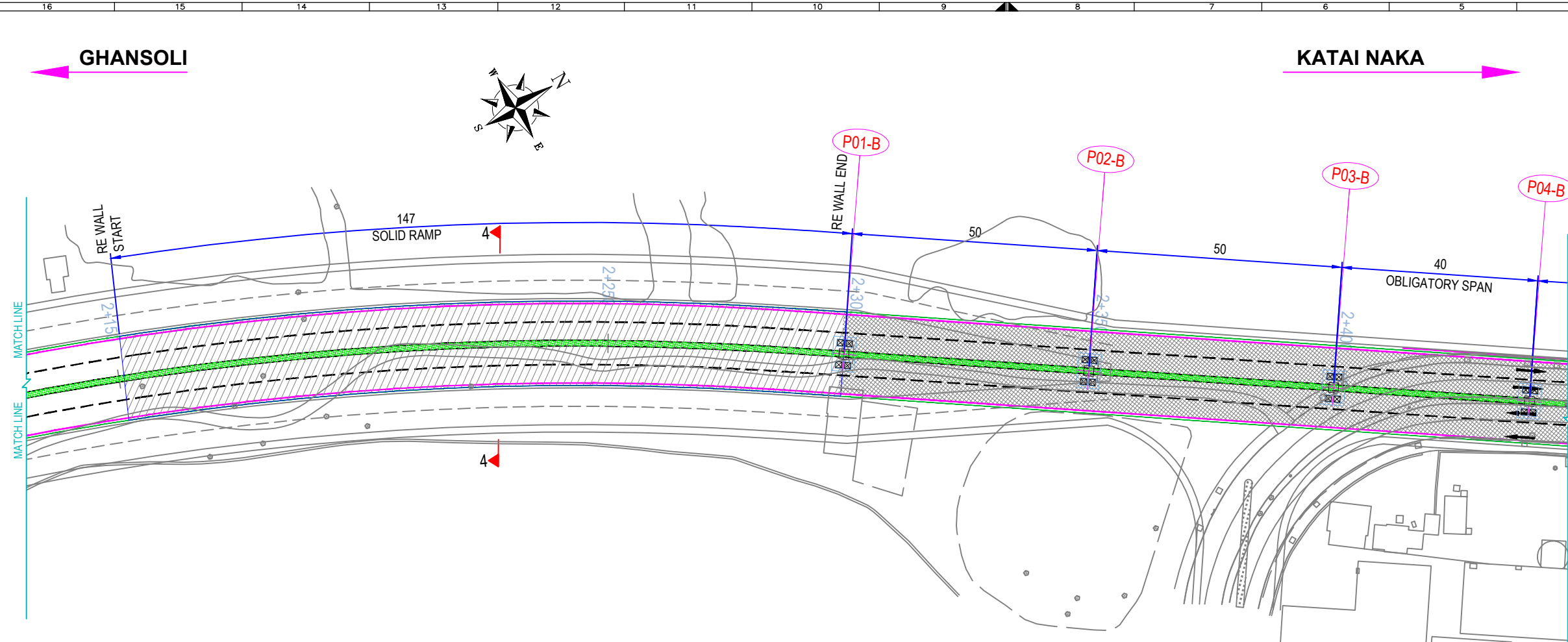
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FOR NOTES DRG NO:- 1623-GH-AI-DES-NOTES
*THIS DRAWING SHALL BE READ AND CONJUNCTION WITH
P&P AND CORRESPONDING GAD.



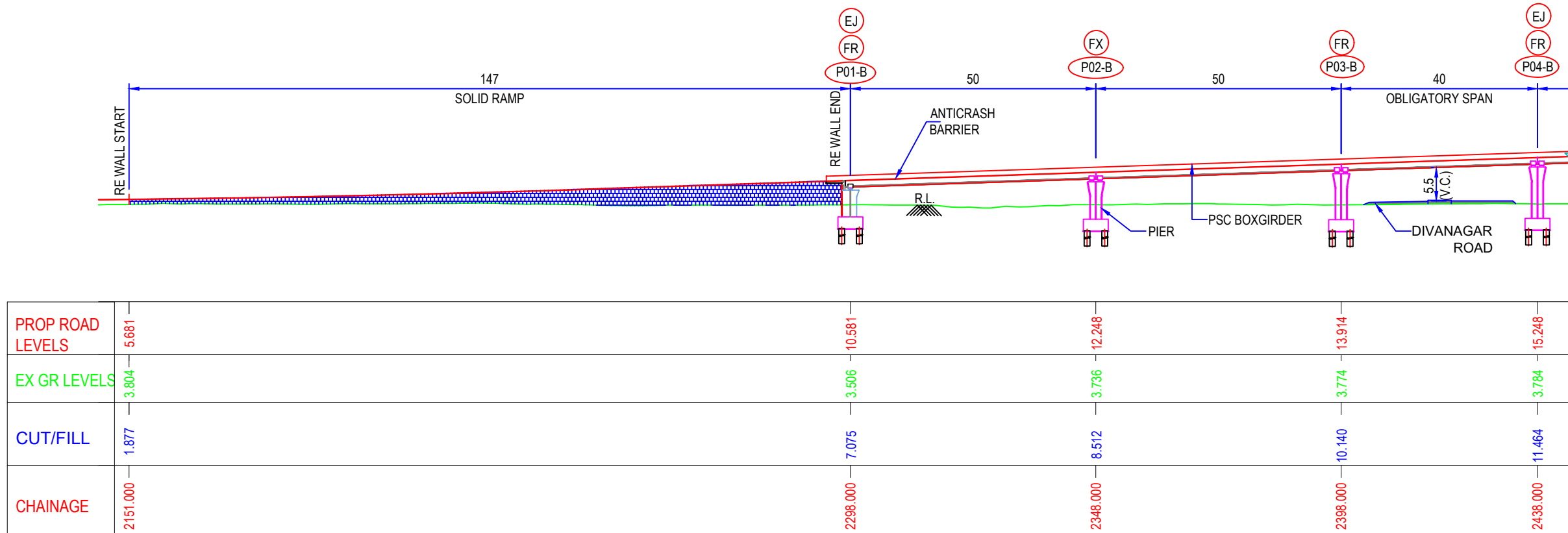
CROSS SECTION FOR AP1-A & AP2-A
(SCALE 1:125)

REFERENCES:-
GAD REF DRG NO :- 1623-GH-AI-STR-GAD-001
FOR NOTES DRG NO:- 1623-GH-AI-DES-NOTES
*THIS DRAWING SHALL BE READ AND CONJUNCTION WITH
P&P AND CORRESPONDING GAD.

BRIDGE-B

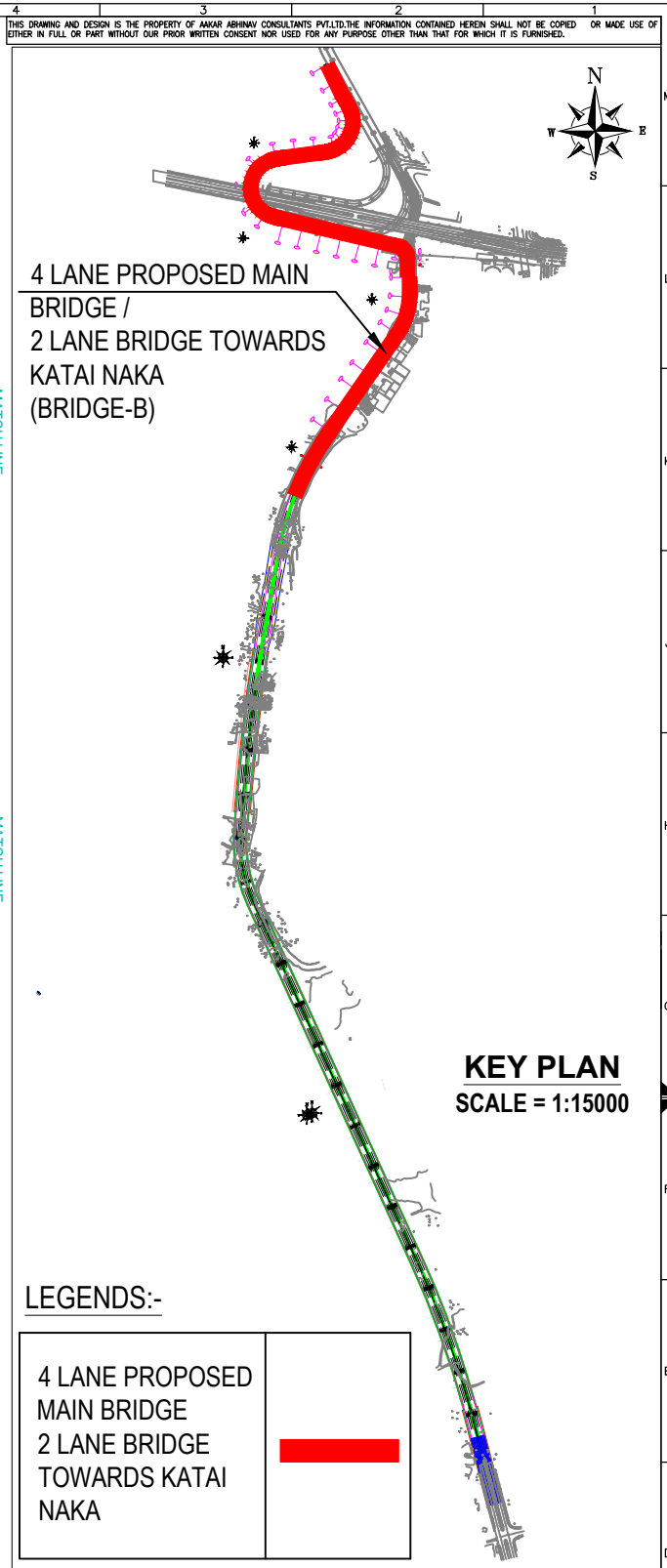


PLAN
SCALE = 1:1000



DESIGN L - SECTION
SCALE : 1:1000

PROP ROAD LEVELS	5.681	10.581	12.248	13.914	15.248
EX GR LEVELS	3.804	3.506	3.736	3.774	3.784
CUT/FILL	1.877	7.075	8.512	10.140	11.464
CHAINAGE	2151.000	2298.000	2348.000	2398.000	2438.000



KEY PLAN
SCALE = 1:15000

LEGENDS:-

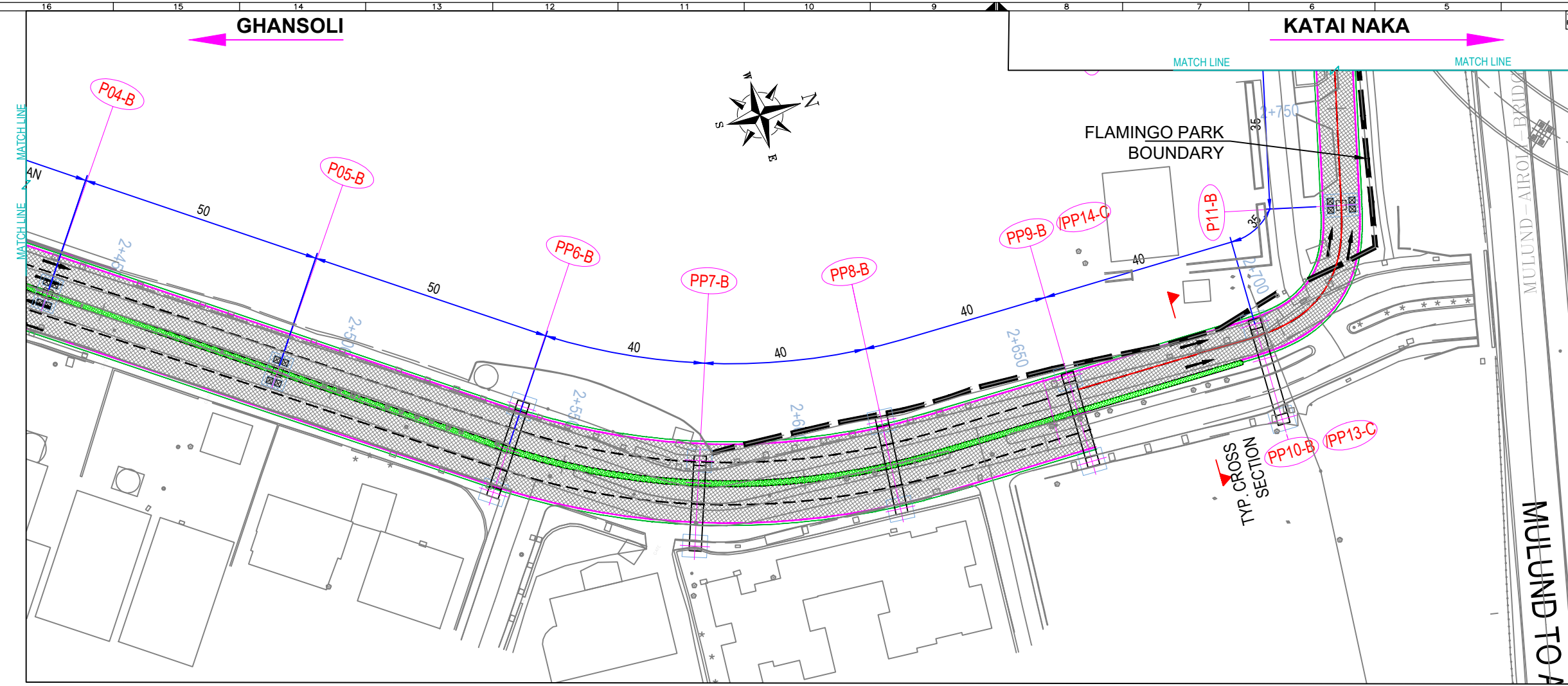
4 LANE PROPOSED MAIN BRIDGE	
2 LANE BRIDGE TOWARDS KATAI NAKA	

NOTES:-

- ALL DIMENSIONS ARE IN METER UNLESS OTHERWISE MENTIONED.
- DO NOT SCALE THE DRAWING ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
- FOR RE WALL CROSS SECTIONS REFER HIGHWAY DRAWINGS.

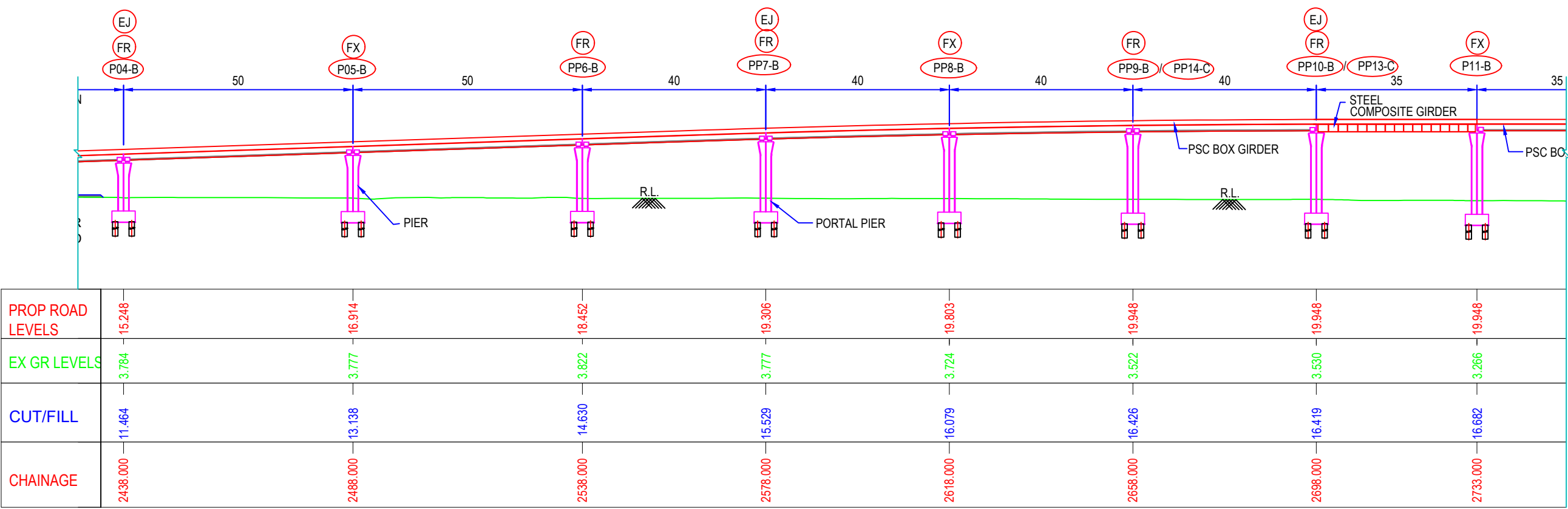
REFERENCES:

FOR NOTES DRG NO:- 1623-GH-AI-DES-NOTES
*THIS DRAWING SHALL BE READ AND CONJUNCTION WITH P&P AND CORRESPONDING GAD.



- NOTES:-
1. ALL DIMENSIONS ARE IN METER UNLESS OTHERWISE MENTIONED.
 2. DO NOT SCALE THE DRAWING ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
 3. FOR RE WALL CROSS SECTIONS REFER HIGHWAY DRAWINGS.
- REFERENCES:
- FOR NOTES DRG NO:- 1623-GH-AI-DES-NOTES
- *THIS DRAWING SHALL BE READ AND CONJUNCTION WITH P&P AND CORRESPONDING GAD.

PLAN
SCALE = 1:1000



DESIGN L - SECTION
SCALE : 1:1000

CONSULTING ENGINEERS: AAKAR ABHINAV CONSULTANTS PRIVATE LIMITED

ENGINEERS, ARCHITECTS, PLANNERS & GRAPHIC DESIGNERS

C-401-410, KURKURE CENTER, PLOT NO.13, SECTOR - 11, C.B.D. BELAPUR, NAVI MUMBAI - 400 614.

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

CLIENT: NAVI MUMBAI MUNICIPAL CORPORATION

REVISION DETAILS

RO	FOR TENDER	S.T	09.01.2023	D.M	09.01.2023	M.K	09.01.2023
REV.		DRN BY	DATE	CKD BY	DATE	APRD BY	DATE

DRAWING

DRAWING BY	CHECKED BY	DESIGN BY	CHECKED BY
SISIRA T.	DIVYA M.	NEHAL B/ DIVYA M.	DIVYA M.

APPROVED BY: M. KHAN

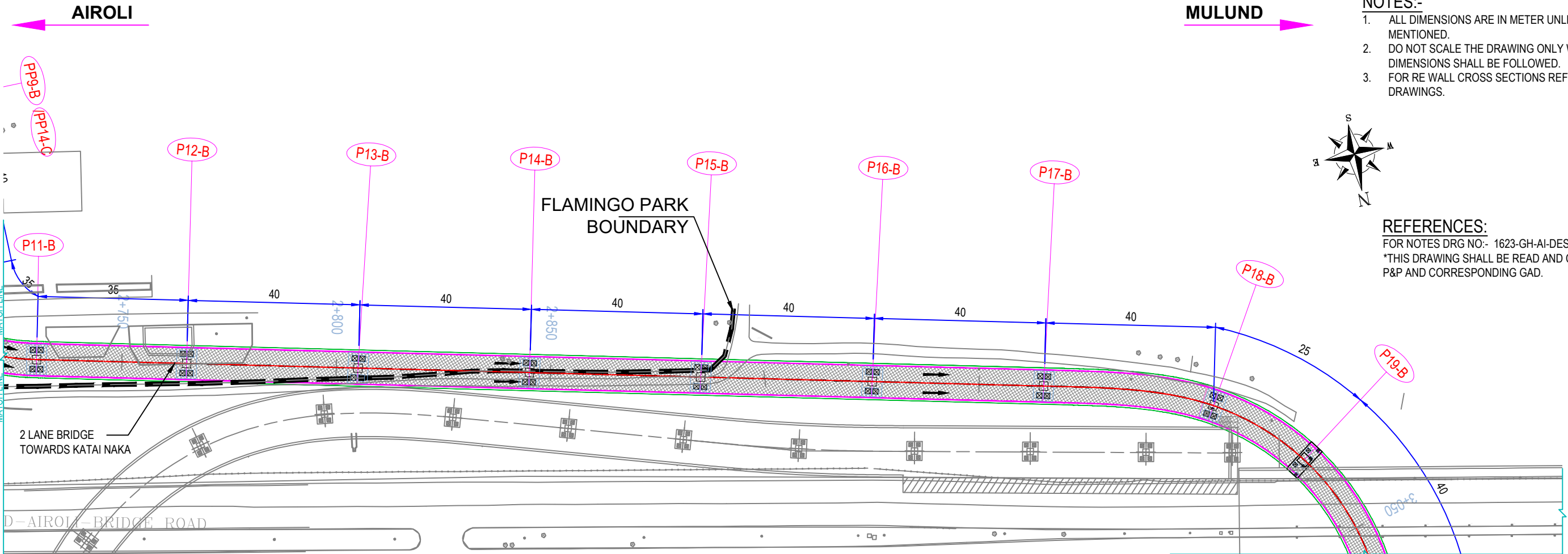
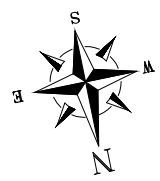
PROJECT: CONSTRUCTION OF CREEK BRIDGE CONNECTING GHANSOLI - AIROLI ALONG PALM BEACH ROAD AT GHANSOLI, NAVI MUMBAI ON EPC MODE.

TITLE: GENERAL ARRANGEMENT DRAWING (SHEET 2 OF 5)

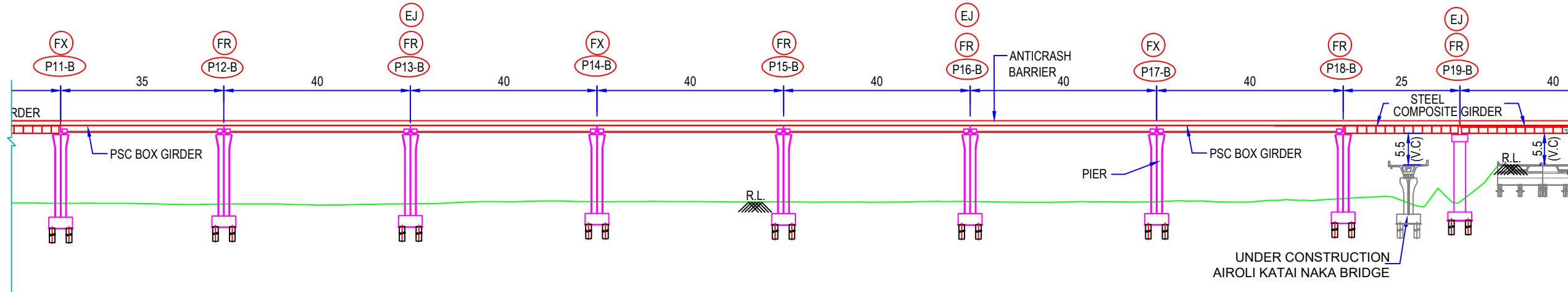
DRG NO: 1623-GH-AI-STR-GAD-002 PROJECT NO. 1623 REV. R0 SCALE: AS SHOWN A3

- NOTES:-
1. ALL DIMENSIONS ARE IN METER UNLESS OTHERWISE MENTIONED.
 2. DO NOT SCALE THE DRAWING ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
 3. FOR RE WALL CROSS SECTIONS REFER HIGHWAY DRAWINGS.

REFERENCES:
FOR NOTES DRG NO:- 1623-GH-AI-DES-NOTES
*THIS DRAWING SHALL BE READ AND CONJUNCTION WITH P&P AND CORRESPONDING GAD.



PLAN
SCALE = 1:1000



PROP ROAD LEVELS	19.948	19.948	19.948	19.948	19.948	19.948	19.948	19.948
EX GR LEVELS	3.266	3.040	3.117	3.637	3.597	3.661	3.536	3.039
CUT/FILL	16.682	16.908	16.831	16.311	16.352	16.287	16.412	16.909
CHAINAGE	2733.000	2768.000	2808.000	2848.000	2888.000	2928.000	2968.000	3008.000

DESIGN L - SECTION
SCALE : 1:1000

CONSULTING ENGINEERS:

AAKAR ABHINAV
CONSULTANTS 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@akababhinav.com
Website: akababhinav.com

CLIENT:

NAVI MUMBAI MUNICIPAL CORPORATION

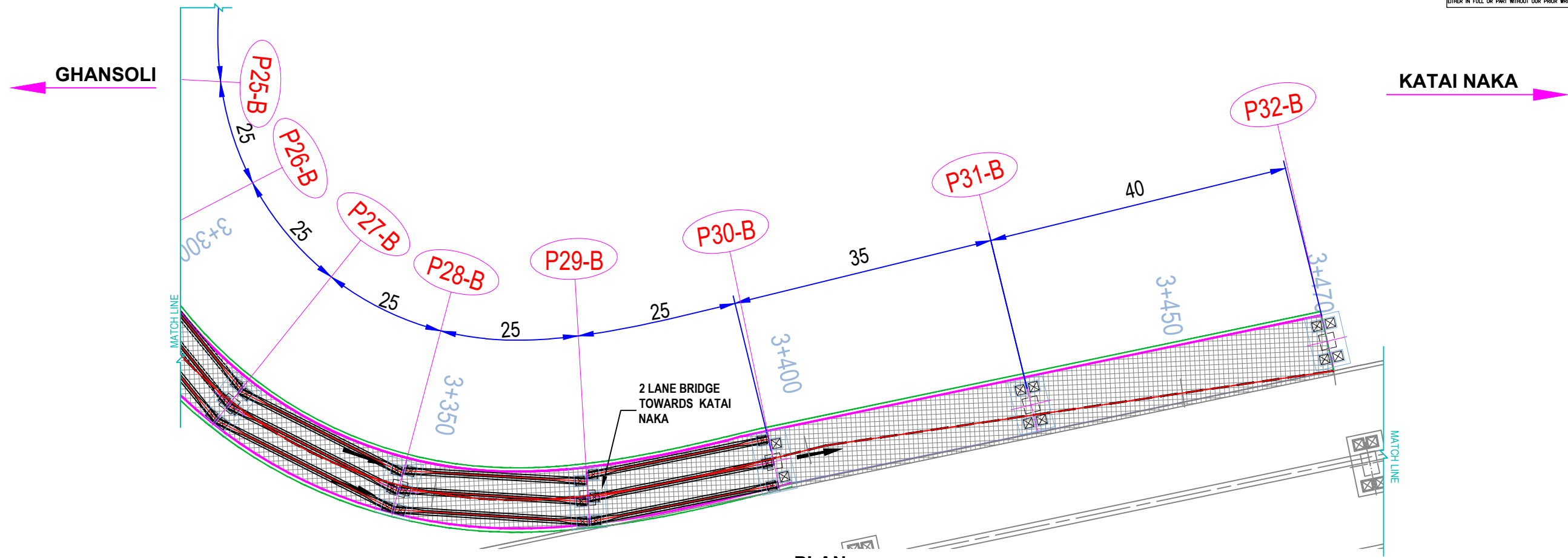
RO	REV.	FOR TENDER	REVISION DETAILS	S.T	09.01.2023	D.M	09.01.2023	M.K	09.01.2023
DRN	BY	DATE	CKD	BY	DATE	APRD	BY	DATE	DATE

DRAWING	DESIGN	APPROVED BY
DRAWING BY: SISIRA T.	DESIGN BY: NEHAL B./ DIVYA M.	APPROVED BY: M. KHAN
CHECKED BY: DIVYA M.	CHECKED BY: DIVYA M.	

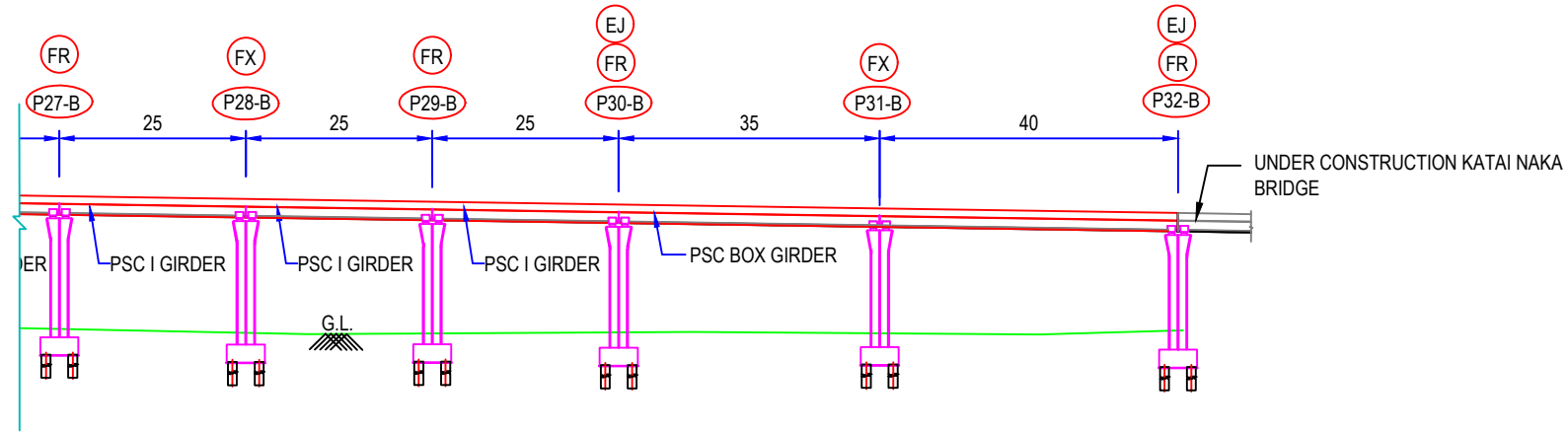
PROJECT : CONSTRUCTION OF CREEK BRIDGE CONNECTING GHANSOLI - AIROLI ALONG PALM BEACH ROAD AT GHANSOLI, NAVI MUMBAI ON EPC MODE.

TITLE : GENERAL ARRANGEMENT DRAWING (SHEET 3 OF 5)

DRG NO: 1623-GH-AI-STR-GAD-002 PROJECT NO. 1623 REV. R0 SCALE: AS SHOWN A3



PLAN
SCALE = 1:1000



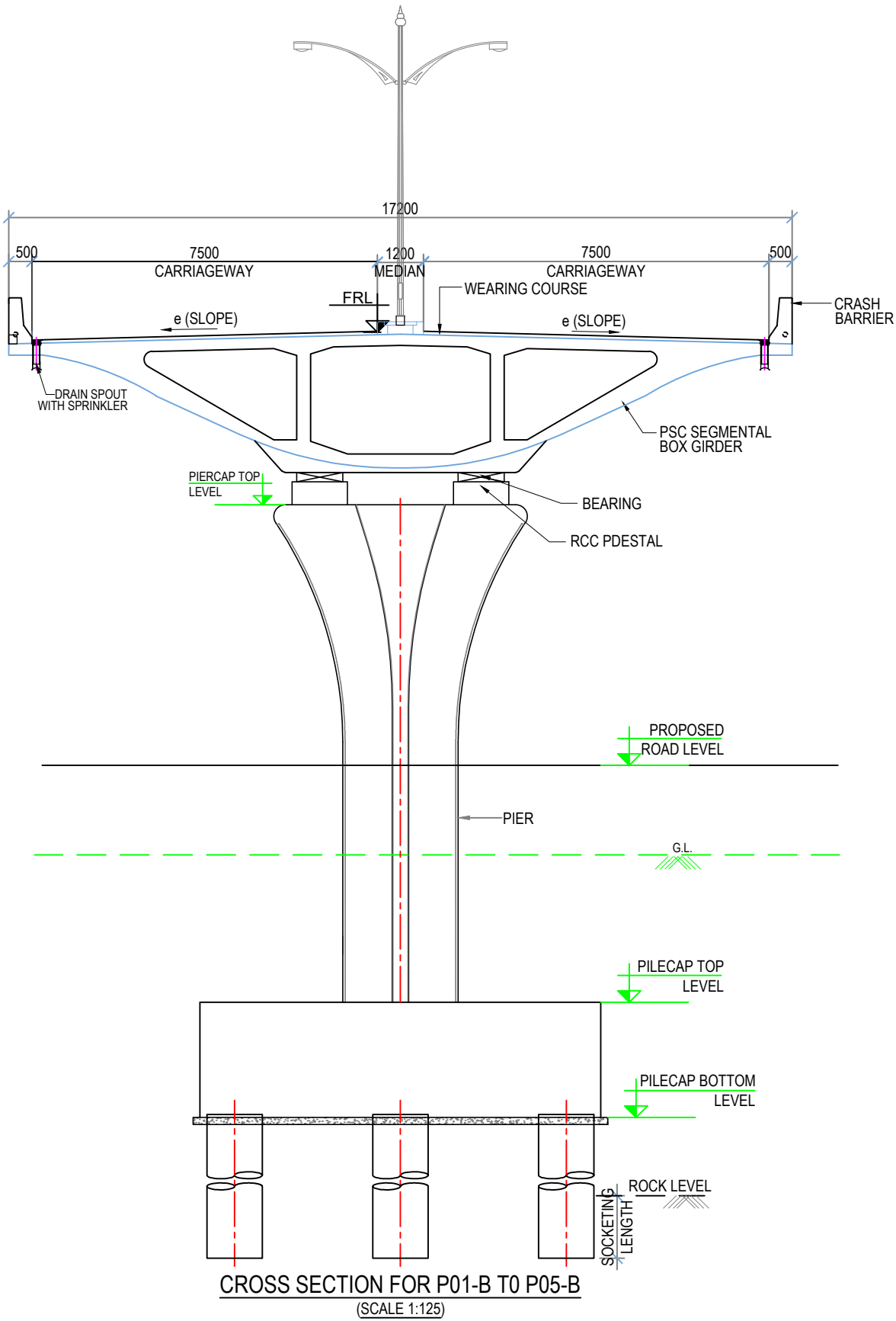
PROP ROAD LEVELS	18.237	17.728	17.219	16.754	16.362	16.272
EX GR LEVELS	2.580	2.624	2.668	2.712	2.774	2.844
CUT/FILL	15.657	15.104	14.551	14.042	13.588	13.428
CHAINAGE	3323.000	3348.000	3373.000	3398.000	3433.000	3473.000

DESIGN L - SECTION
SCALE : 1:1000

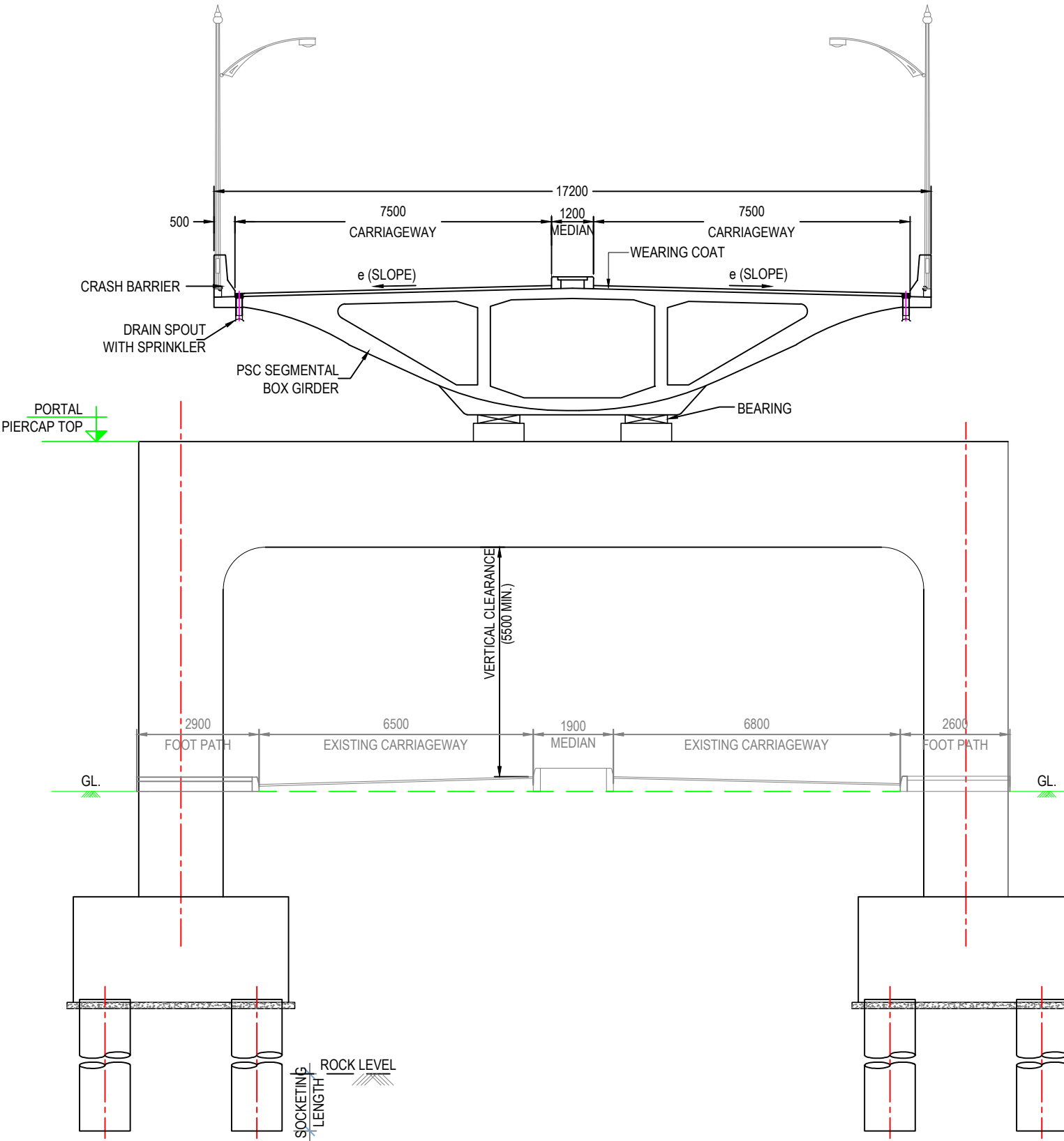
- NOTES:-
- ALL DIMENSIONS ARE IN METER UNLESS OTHERWISE MENTIONED.
 - DO NOT SCALE THE DRAWING ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
 - FOR RE WALL CROSS SECTIONS REFER HIGHWAY DRAWINGS.

REFERENCES:
FOR NOTES DRG NO:- 1623-GH-AI-DES-NOTES
*THIS DRAWING SHALL BE READ AND CONJUNCTION WITH P&P AND CORRESPONDING GAD.

REFERENCES:-
FOR NOTES DRG NO:- 1623-GH-AI-DES-NOTES
*THIS DRAWING SHALL BE READ AND CONJUNCTION WITH P&P AND CORRESPONDING GAD.



CROSS SECTION FOR P01-B TO P05-B
(SCALE 1:125)



SECTION AT PP6-B
(SCALE 1:125)

- NOTES:
- ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS ARE IN METER UNLESS OTHERWISE SPECIFIED.
 - DIMENSIONS ARE NOT TO BE SCALED. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.

CONSULTING ENGINEERS:
AAKAR ABHINAV
CONSULTANTS 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@akarahinav.com
Website: aakarabhinav.com



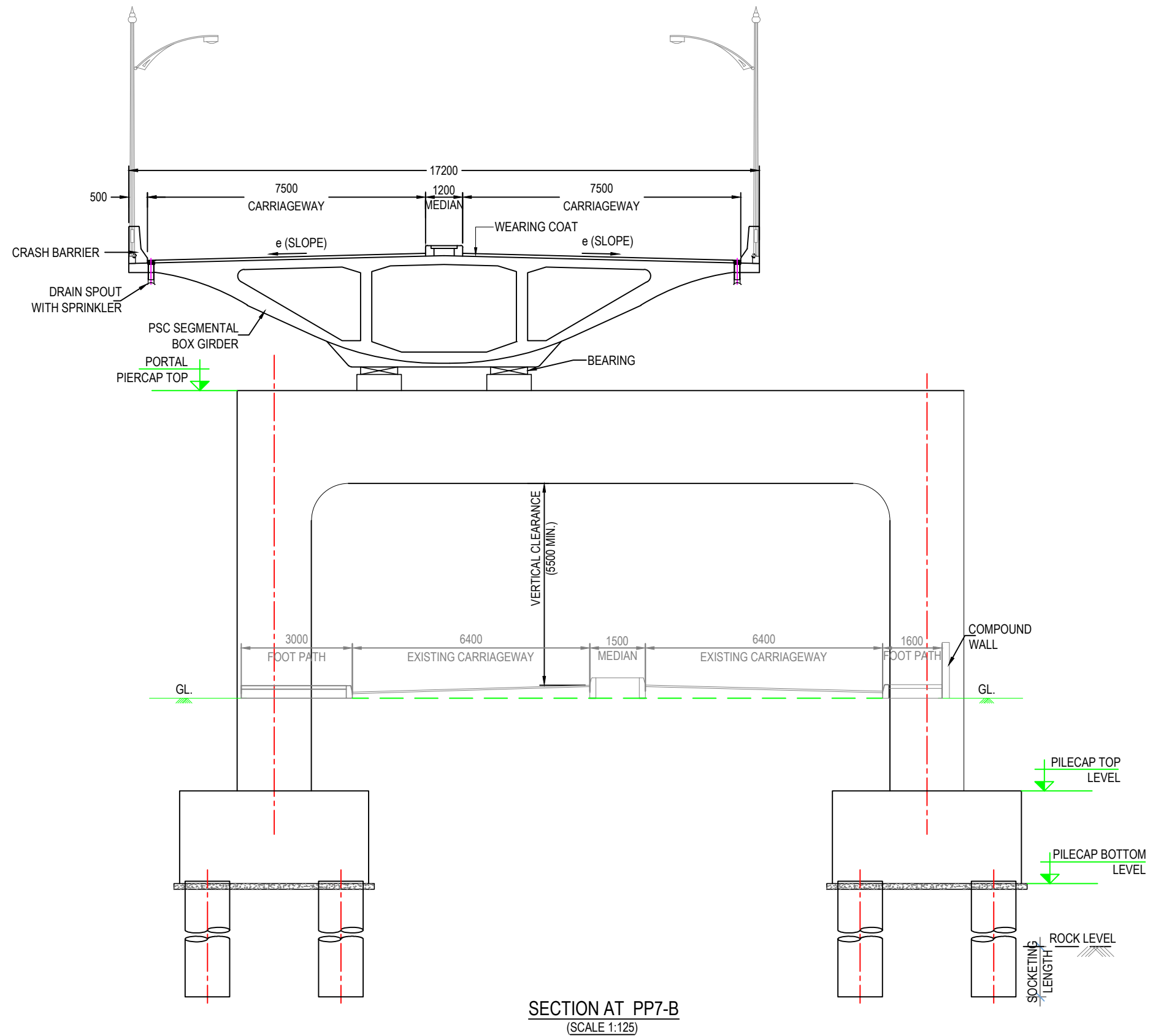
CLIENT:

NAVI MUMBAI
MUNICIPAL CORPORATION

REV.	FOR TENDER	REVISION DETAILS	S.T	09.01.2023	D.M	09.01.2023	M.K	09.01.2023
10			DRN BY	DATE	CKD BY	DATE	APRD BY	DATE

DRAWING		DESIGN	
DRAWING BY	CHECKED BY	DESIGN BY	CHECKED BY
SISIRA T.	DIVYA M.	NEHAL B./ DIVYA M.	DIVYA M.
DATE: 09.01.2023		DATE: 09.01.2023	

APPROVED BY	PROJECT :	CONSTRUCTION OF CREEK BRIDGE CONNECTING GHANSOLI - AIROLI ALONG PALM BEACH ROAD AT GHANSOLI, NAVI MUMBAI ON EPC MODE.		
M. KHAN	TITLE :	CROSS SECTION FOR (P01-B TO P05-B) & PP6-B		
	DRG NO:	1623-GH-AI-STR-TCS-004	PROJECT NO.	1623
	REV.	RO	SCALE:	AS SHOWN
				A3



SECTION AT PP7-B
(SCALE 1:125)

REFERENCES:-

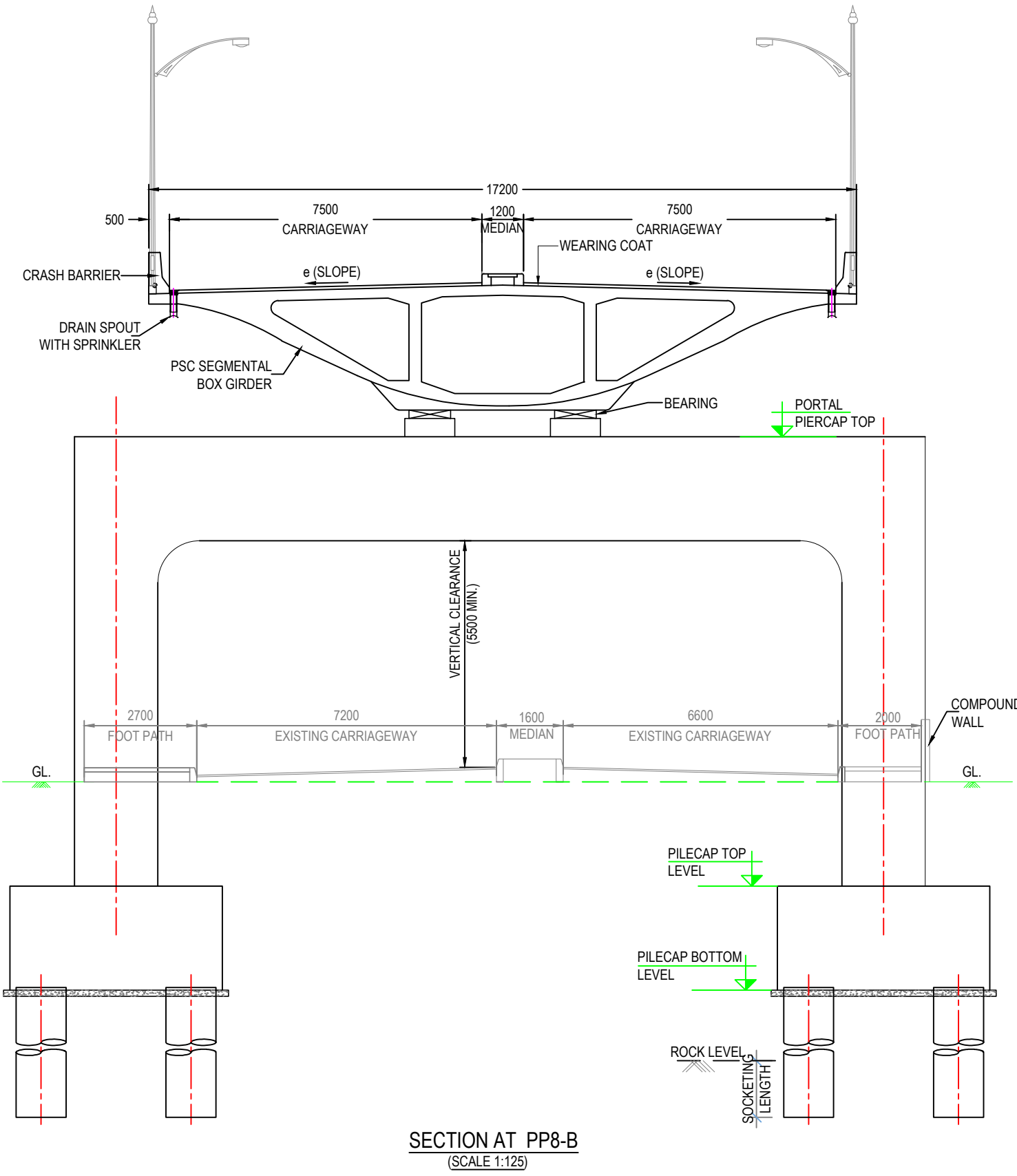
FOR NOTES DRG NO:- 1623-GH-AI-DES-NOTES
*THIS DRAWING SHALL BE READ AND CONJUNCTION WITH
P&P AND CORRESPONDING GAD.

R/O	FOR TENDER	S.T.	09.01.2023	D.M	09.01.2023	M.K	09.01.2023		
REV.	REVISION DETAILS	DRN BY	DATE	CKD BY	DATE	APRD BY	DATE		

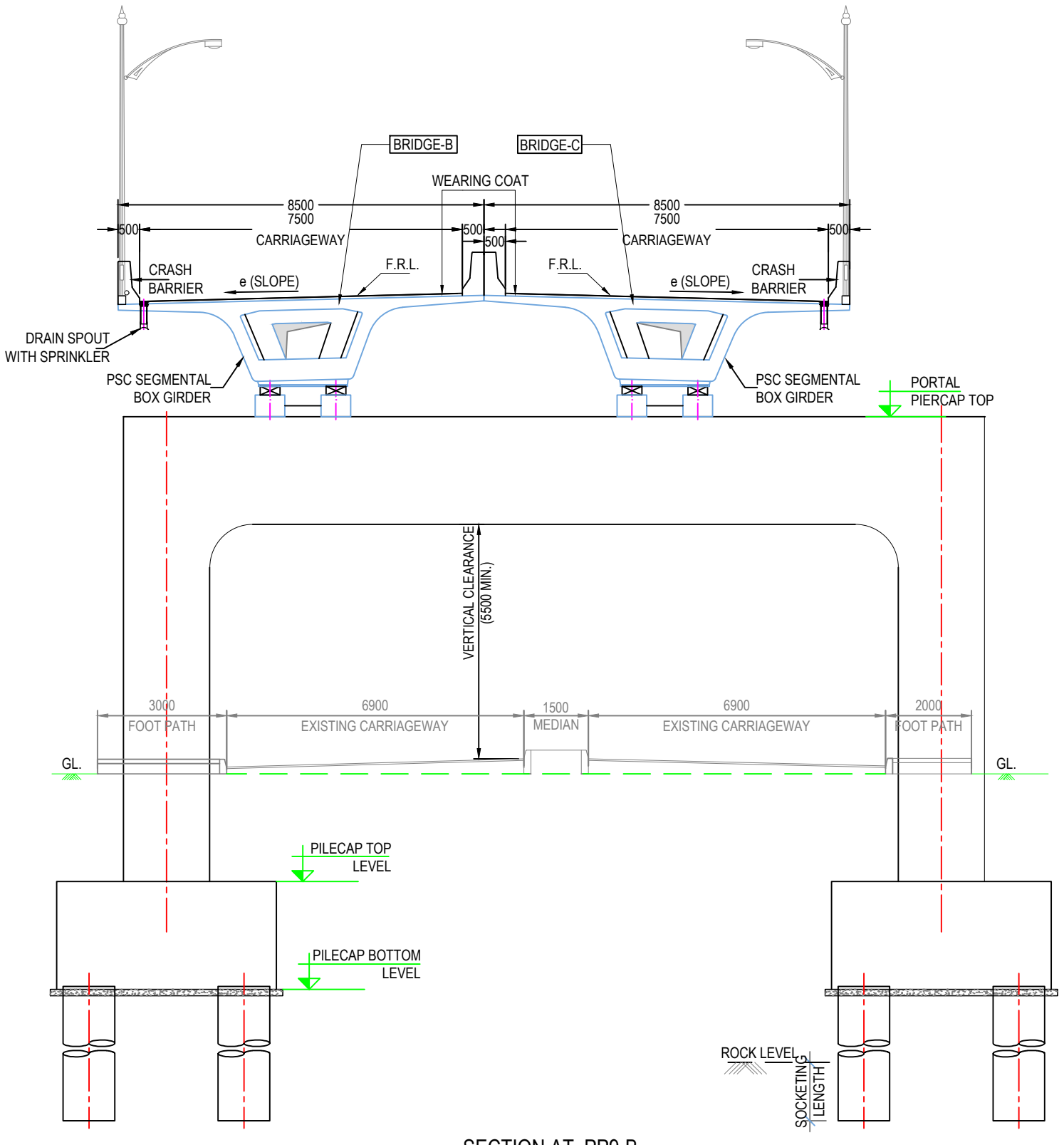
DRAWING		DESIGN	
DRAWING BY	CHECKED BY	DESIGN BY	CHECKED BY
SISIRA T.	DIVYA M.	NEHAL B/ DIVYA M.	DIVYA M.
DATE: 09.01.2023		DATE: 09.01.2023	

	APPROVED
Y	
	M. KHAN

PROJECT : CONSTRUCTION OF CREEK BRIDGE CONNECTING GHANSOLI - AIROLI ALONG PALM BEACH ROAD AT GHANSOLI, NAVI MUMBAI ON EPC MODE.				
TITLE : CROSS SECTION AT PP7-B				
DRG NO:	1623-GH-AI-STR-TCS-005	PROJECT NO. 1623	REV. R0	SCALE: AS SHOWN
				A3

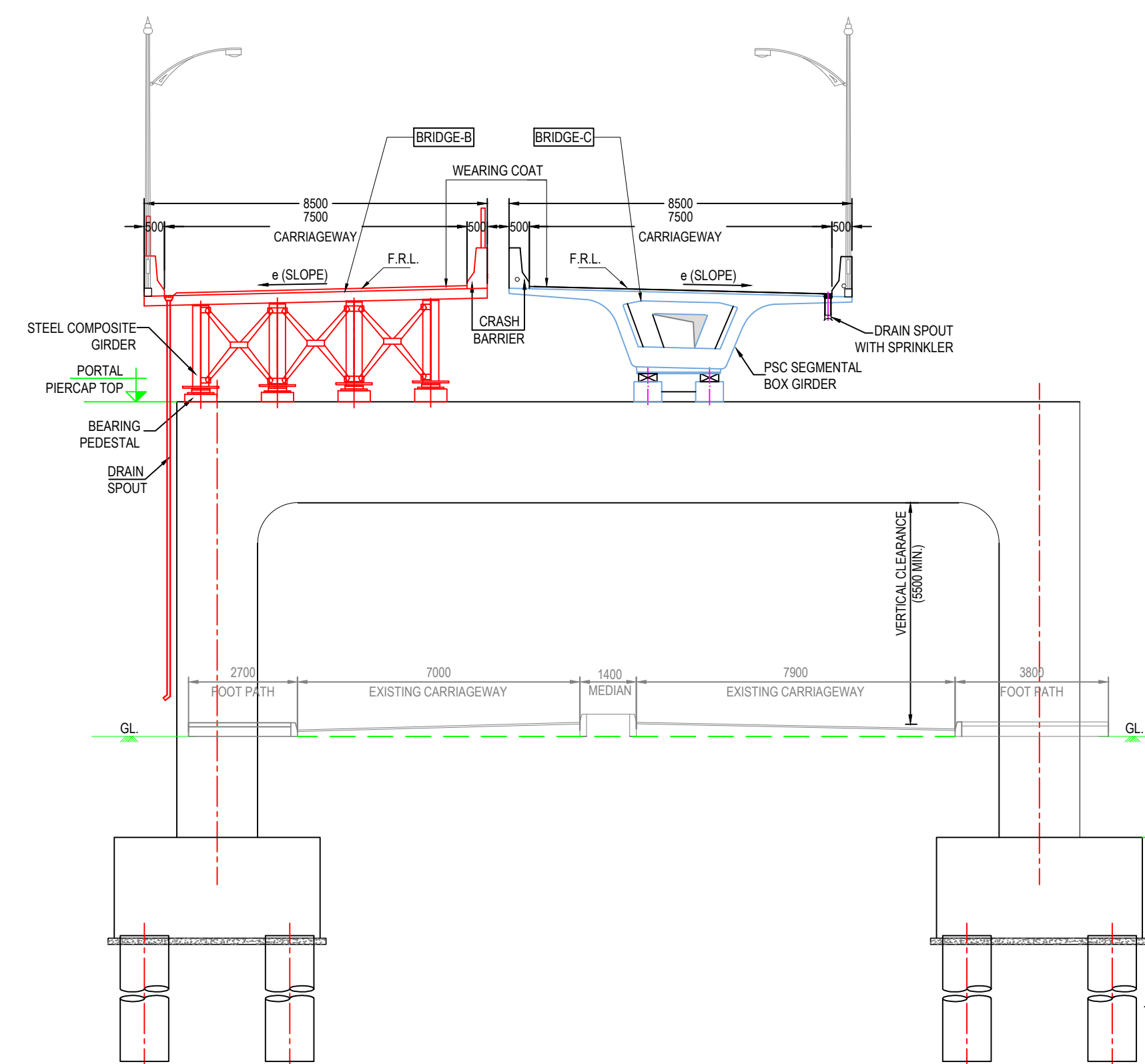


SECTION AT PP8-B
(SCALE 1:125)

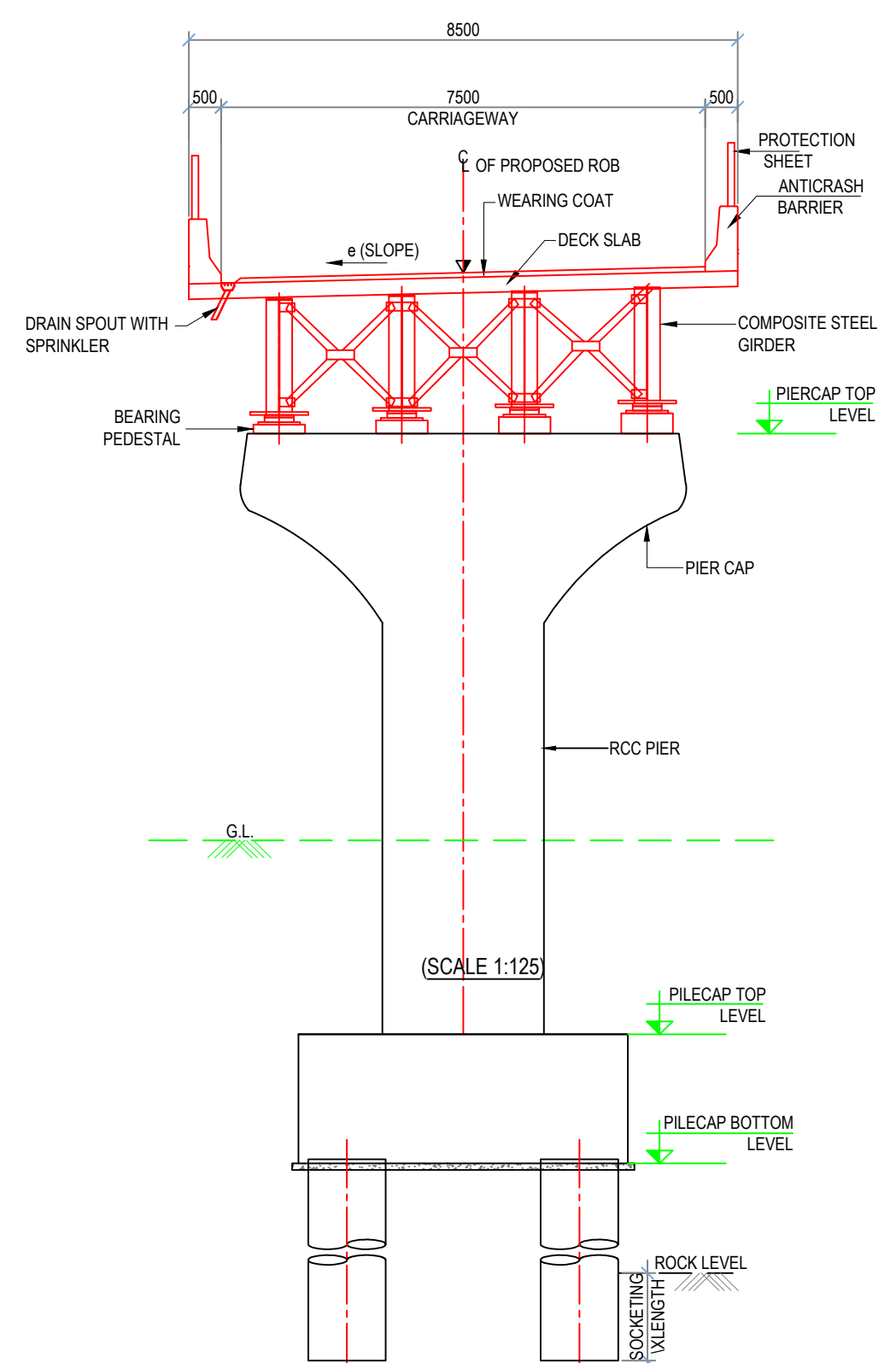


SECTION AT PP9-B
(SCALE 1:125)

REFERENCES:-
FOR NOTES DRG NO:- 1623-GH-AI-DES-NOTES
*THIS DRAWING SHALL BE READ AND CONJUNCTION WITH
P&P AND CORRESPONDING GAD.



SECTION AT PP10-B
(SCALE 1:125)

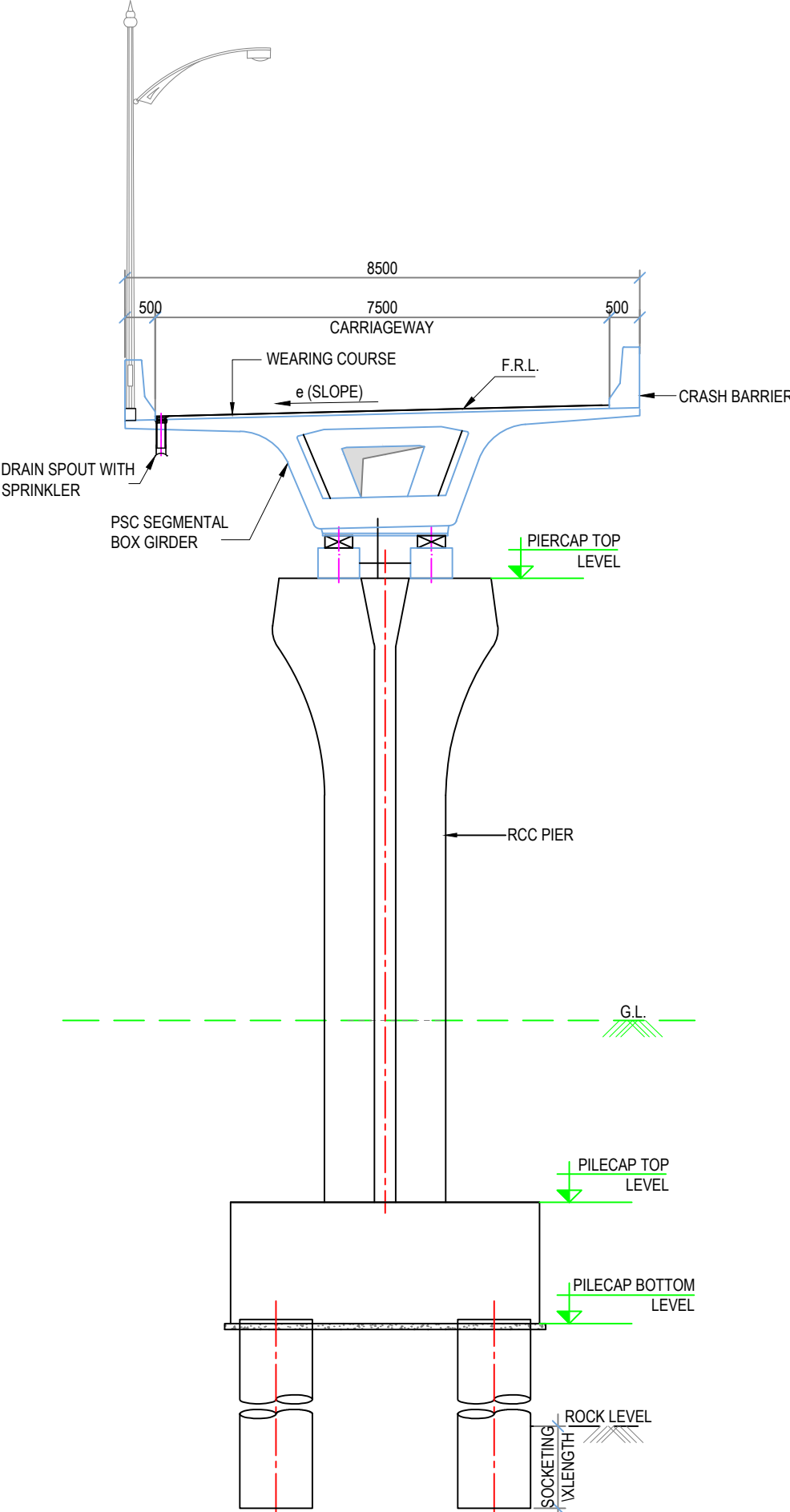


CROSS SECTION FOR P11-B, P19-B TO P21-B
(SCALE 1:100)

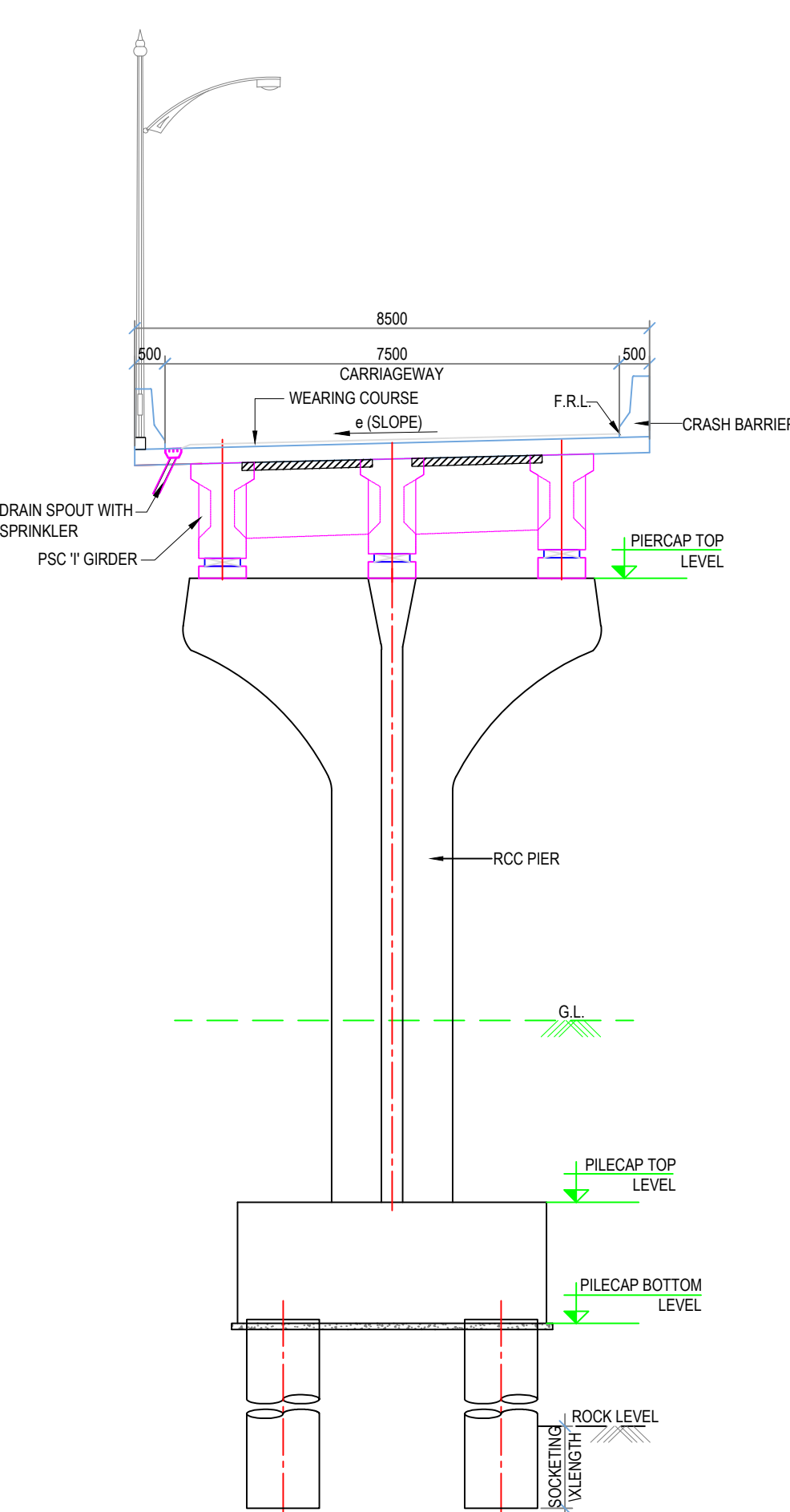
REFERENCES:-
FOR NOTES DRG NO:- 1623-GH-AI-DES-NOTES
*THIS DRAWING SHALL BE READ AND CONJUNCTION WITH
P&P AND CORRESPONDING GAD.

- NOTES:
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REFERENCES:-
GAD REF FOR TCS 007 DRG NO :- 1623-GH-AI-STR-GAD-002/005
GAD REF FOR TCS 008 DRG NO :- 1623-GH-AI-STR-GAD-004
FOR NOTES DRG NO:- 1623-GH-AI-DES-NOTES
*THIS DRAWING SHALL BE READ AND CONJUNCTION WITH P&P AND CORRESPONDING GAD.



CROSS SECTION FOR P12-B TO P18-B, P22-B TO P24-B, P31B, P32B
(SCALE 1:100)



CROSS SECTION FOR P25-B TO P30-B
(SCALE 1:100)