



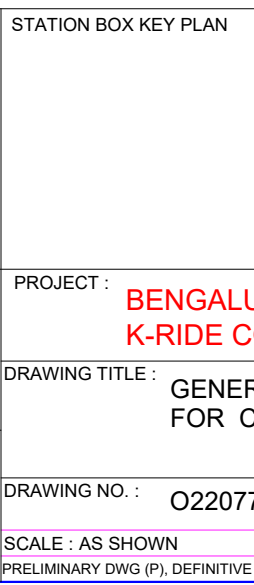
022077-BSRP-CR2-C-VD-GEN-10-2007
022077-BSRP-CR2-C-VD-GEN-10-2008
022077-BSRP-CR2-C-VD-GEN-10-2010
022077-BSRP-CR2-C-VD-GEN-10-2013..... GENERAL ARRANGEMENT
022077-BSRP-CR2-C-VD-GEN-10-2014..... DRAWING FOR VIADUCT PORTION
022077-BSRP-CR2-C-VD-GEN-10-2015..... FOR CH. 13+563.903 Km TO
CH. 16+461.903 Km
022077-BSRP-CR2-VD-01-10-1572..... GENERAL ARRANGEMENT DRAWING OF
MATHIKERE STATION (ELEVATED)

		REVISIONS
f	29.11.24	REVISED AS PER LATEST OGL
e	31.05.24	REVISED AS PER GC COMMENTS
d	26.04.24	BORE HOLE LOCATION ADDED
c	12.04.24	REVISED DUE TO CHANGE IN SPAN ARRANGEMENT
b	23.02.24	REVISED DUE TO CHANGE IN SPAN ARRANGEMENT
a	07.11.23	FOR APPROVAL
REV	DATE	BRIEF DESCRIPTION

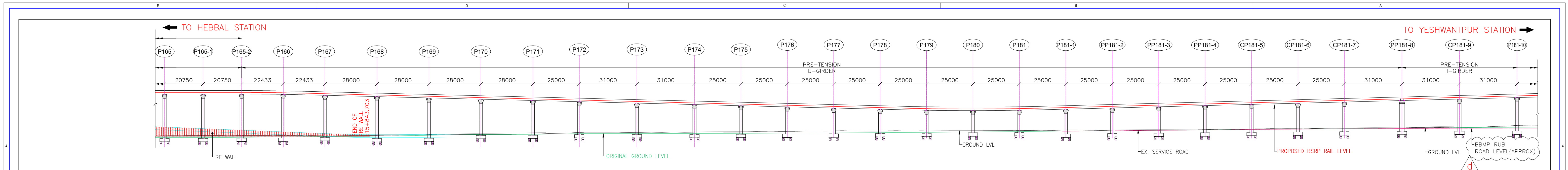
Indian Institute of Technology Madras
P.O., Chennai
600 036 INDIA

QUALITY ASSURANCE			
Control, check and verification of accuracy, correctness and full compliance of Contract provisions in analysis and drawing rests with Design & Build Contractor			
DDC	PC	Contractor	
			
31/05/2024	31/05/2024	31/05/2024	
SSV	PC	KVM	
CHECKED BY	APPROVED BY	APPROVED BY	ISSUED BY

REFERENCE DOCUMENTS :					
ED	COUNTER SIGN				
	PROJECT DIRECTOR				
	SIGN				
	NAME				
	DATE				



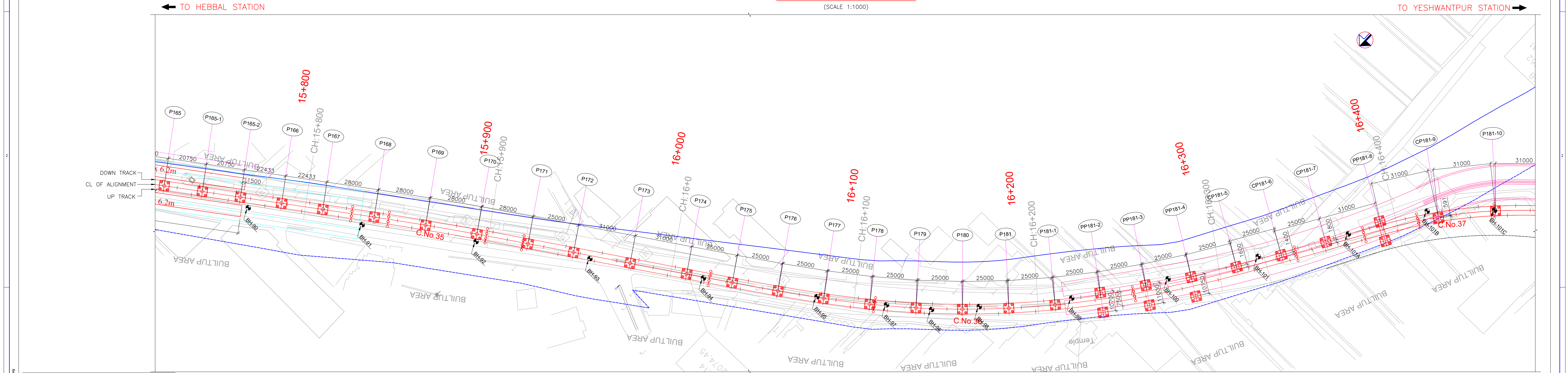
PROJECT :	BENGALURU SUBURBAN RAILWAY PROJECT (BSRP) K-RIDE CORRIDOR - 2				
DRAWING TITLE :	GENERAL ARRANGEMENT DRAWING FOR VIADUCT PORTION FOR CH. 13+563.903 TO CH. 16+641.903 KM				
DRAWING NO. :	Q2077-BSRP-CR2-C.VD-GEN-10-2009			REVISION	DWG STATUS
SCALE :	AS SHOWN			DWG DATE : 07/11/2023	DWG NO
PRELIMINARY :	(A) SHOWN (B) DEFINITIVE DWG (D) CONSTRUCTION DWG (C) AS BUILT DWG (S) MANUFACTURED DWG (M)			<input checked="" type="checkbox"/> f	<input type="checkbox"/> D
				SHEET SIZE	A



DATUM = 880.000(m)	
LEVEL DIFFERENCE GROUND LVL & BSRP RAIL	23.058
LEVEL DIFFERENCE GROUND LVL & PROP. ELEVATED ROAD	4.371
PROPOSED BSRP RAIL LEVEL (m)	927.457
PROPOSED ELEVATED ROAD FRL LEVEL (m)	908.77
EXISTING GROUND LEVELS (m)	904.399
ORIGINAL GROUND LEVELS (m)	903.195
BBMP RUB ROAD LEVEL (APPROX) (m)	
PROPOSED SERVICE ROAD FRL LEVEL (m)	
VERTICAL ALIGNMENT BSRP CL TRACK	CL = 38.000m R = 1520.000m
HORIZONTAL ALIGNMENT DOWN TRACK	TRL = 20m R = 1803m CCL = 54m C.No.35
HORIZONTAL ALIGNMENT UP TRACK	TRL = 20m R = 1797m CCL = 53m C.No.35
DESIGN CHAINAGE (km)	15+732.947

LONGITUDINAL ELEVATION

(SCALE 1:1000)



PLAN

(SCALE 1:1000)

SPECIAL NOTE:
RAIL LEVELS ARE TAKEN FROM LATEST REVISION OF ALIGNMENT

LEGEND FOR PLAN:	
PROPOSED BSRP TRACK	---
EXISTING IR TRACK	---
FUTURE IR WORK	---
EXISTING ROW AS PER ER	---
PROPOSED ROW AS PER ER	---
EXISTING SERVICE ROAD	---
PROPOSED ROAD	---
LEGEND FOR PROFILE:	
PROPOSED BSRP RAIL LEVEL	---
EXISTING IR RAIL LEVEL	---
GROUND LEVEL	---
PROPOSED BSRP VERTICAL ALIGNMENT	---

REFERENCE DRAWINGS:- (LATEST REVISION)

022077-BSRP-CR2-C-VD-GEN-10-2007	
022077-BSRP-CR2-C-VD-GEN-10-2008	
022077-BSRP-CR2-C-VD-GEN-10-2009	
022077-BSRP-CR2-C-VD-GEN-10-2013	GENERAL ARRANGEMENT
022077-BSRP-CR2-C-VD-GEN-10-2014	DRAWING FOR VIADUCT PORTION
022077-BSRP-CR2-C-VD-GEN-10-2015	FOR CH. 13+563.903 Km TO CH. 16+461.903 Km
022077-BSRP-CR2-VD-01-10-1572	GENERAL ARRANGEMENT DRAWING OF MATHIKERE STATION (ELEVATED)

NOTES:

1. ALL DIMENSIONS AND LEVELS ARE IN METER, UNLESS OTHERWISE SPECIFIED.
2. DIMENSIONS ARE NOT TO BE SCALED. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
3. ALL SUPERSTRUCTURE ARE PRECAST PRETENSIONED U-GIRDER UNLESS OTHERWISE MENTIONED.
4. CHAINAGES MENTIONED ARE AT THE CENTER LINE OF ALIGNMENT.

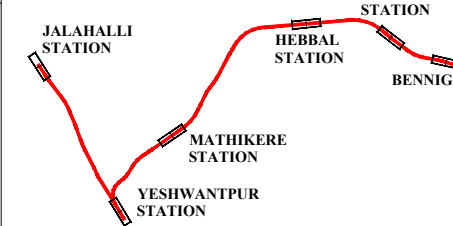
LEGEND:

- P : SINGLE PIER
DP : DOWN LINE SINGLE PIER
UP : UP LINE SINGLE PIER
PP : PORTAL PIER
CP : CANTILEVER PIER
(PIER WITH ECCENTRIC PIER CAP)

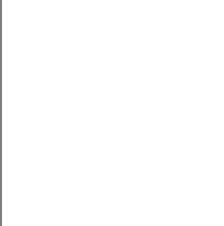
REFERENCE DRAWINGS:

REFERENCE DOCUMENTS:

KEY PLAN



STATION BOX KEY PLAN



REVISIONS	
REV	DATE
e	29.11.24
d	26.04.24
c	12.04.24
b	23.02.24
a	07.11.23
REV	DATE

CONTRACTOR:	TRANSPORTATION INFRASTRUCTURE IC
DESIGNED BY:	STUP Consultants Pvt. Ltd.
CHECKED BY:	STUP Consultants Pvt. Ltd.
APPROVED BY:	STUP Consultants Pvt. Ltd.
DESIGNED BY:	STUP Consultants Pvt. Ltd.
CHECKED BY:	STUP Consultants Pvt. Ltd.
APPROVED BY:	STUP Consultants Pvt. Ltd.

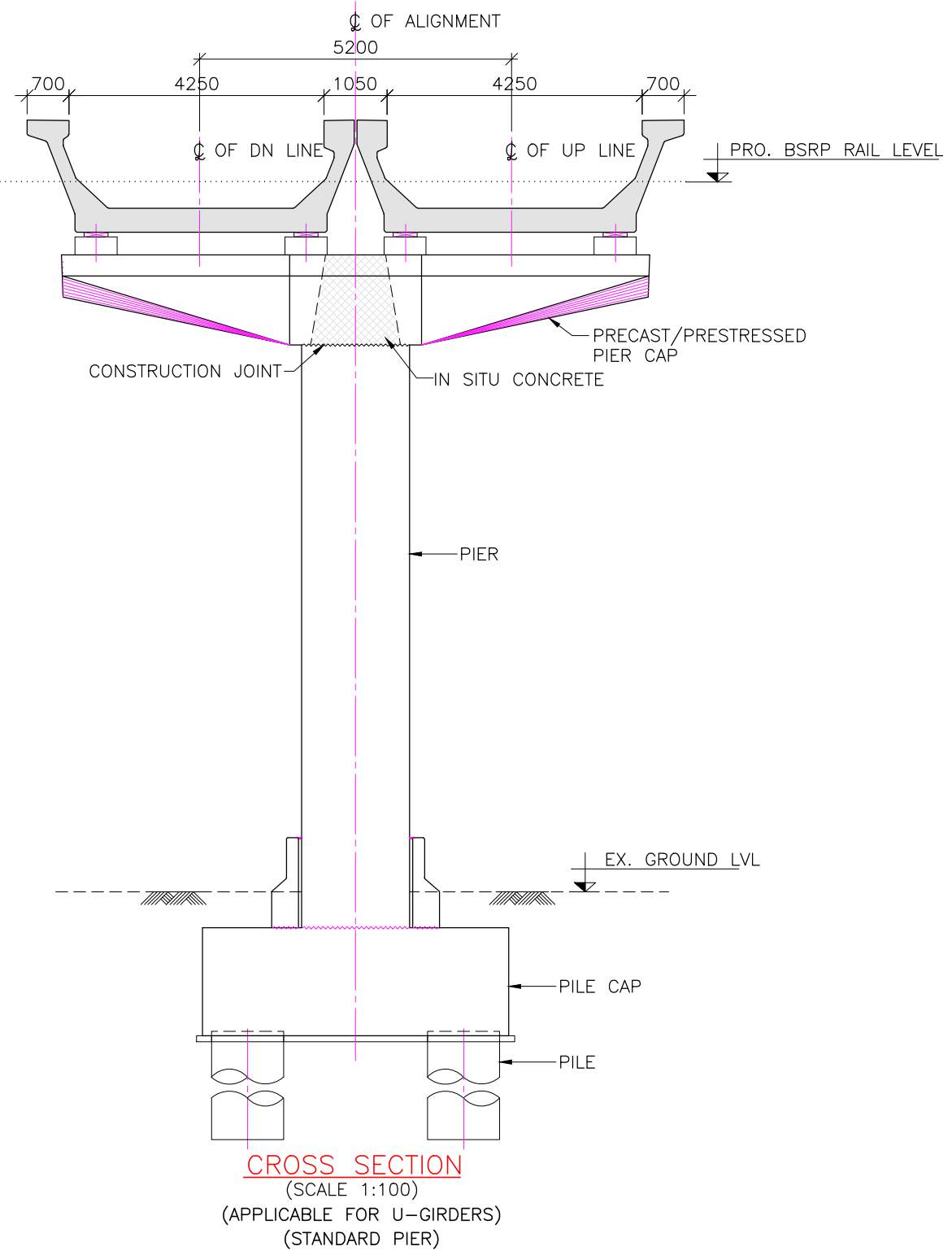
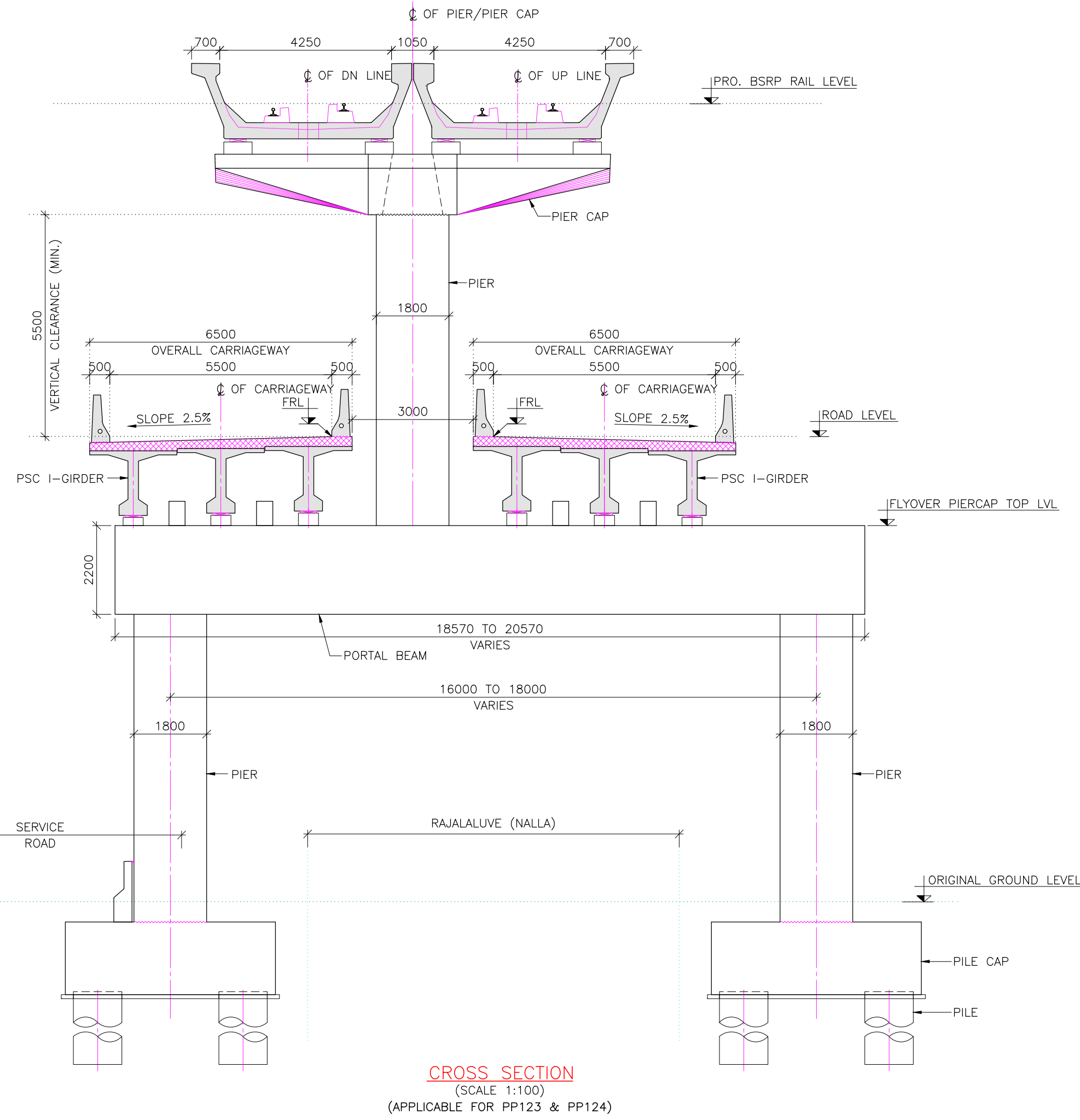
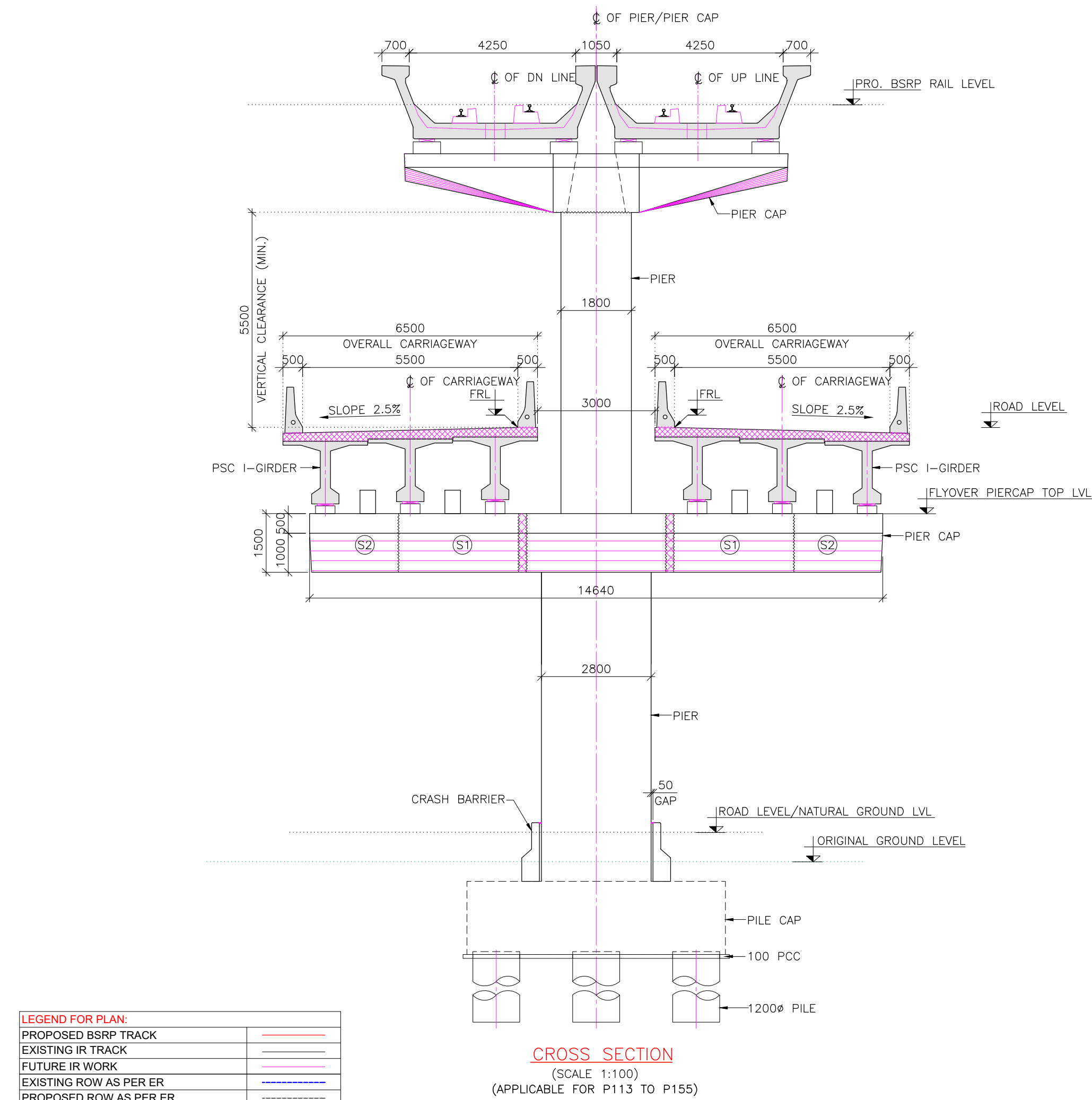
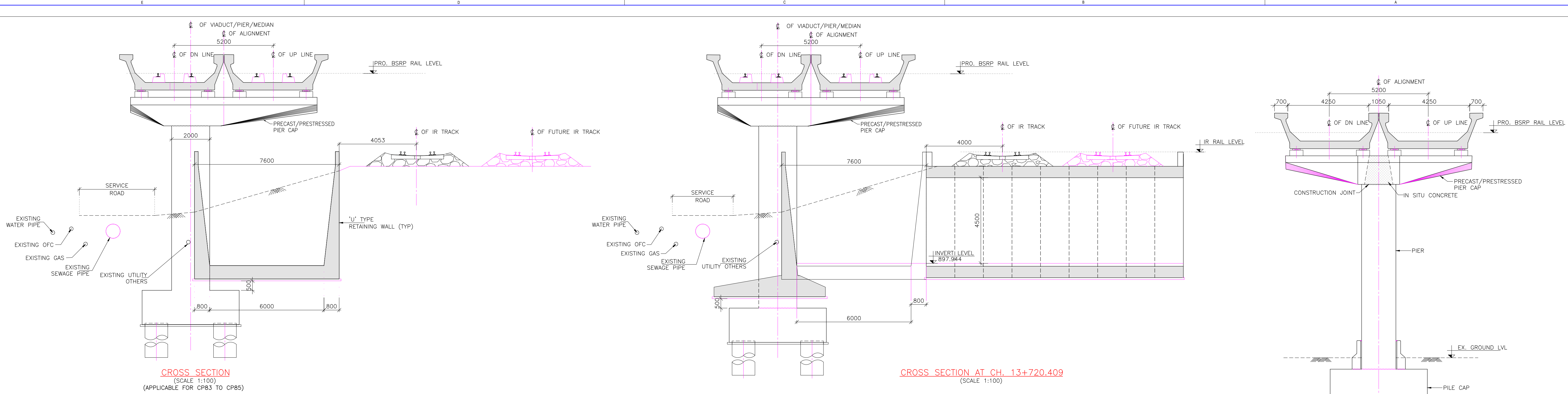
QUALITY ASSURANCE	THE RESPONSIBILITY OF CONTROL, CHECK AND VERIFICATION OF ACCURACY, CORRECTNESS, COMPLETENESS, INTEGRATION AND FULL COMPLIANCE OF CONTRACT PROVISIONS IN RESPECT OF DESIGN ANALYSIS AND DRAWING RESTS WITH DESIGN & BUILD CONTRACTOR.
DATE	26/04/2024
NAME	MLR
DATE	26/04/2024
NAME	SSV
DATE	26/04/2024
NAME	PC
DATE	26/04/2024
NAME	KVM
DATE	26/04/2024

GENERAL CONSULTANTS	
CHECKED & APPROVED	COUNTER SIGN
NAME	SIGN
NAME	SIGN
NAME	SIGN
NAME	SIGN
NAME	SIGN
NAME	SIGN
NAME	SIGN

PROJECT DIRECTOR	
SIGN	SIGN
NAME	NAME
DATE	DATE
DATE	DATE
DATE	DATE
DATE	DATE
DATE	DATE

EMPLOYER:	RAIL INFRASTRUCTURE DEVELOPMENT COMPANY (KARNATAKA) LIMITED
GENERAL CONSULTANTS:	AECOM-EGIS WSP
GENERAL CONSULTANTS:	AECOM-EGIS WSP
GENERAL CONSULTANTS:	AECOM-EGIS WSP
GENERAL CONSULTANTS:	AECOM-EGIS WSP
GENERAL CONSULTANTS:	AECOM-EGIS WSP
GENERAL CONSULTANTS:	AECOM-EGIS WSP
GENERAL CONSULTANTS:	AECOM-EGIS WSP

PROJECT:	BENGALURU SUBURBAN RAILWAY PROJECT (BSRP) K-RIDE CORRIDOR - 2
DRAWING TITLE:	GENERAL ARRANGEMENT DRAWING FOR VIADUCT PORTION FOR CH. 13+563.903 Km TO CH. 16+461.903 Km
DRAWING NO.:	022077-BSRP-CR2-C-VD-GEN-10-2010
SCALE:	AS SHOWN
DATE:	07/11/2023
REVISION	e
DWG STATUS	D
SHEET SIZE:	A1



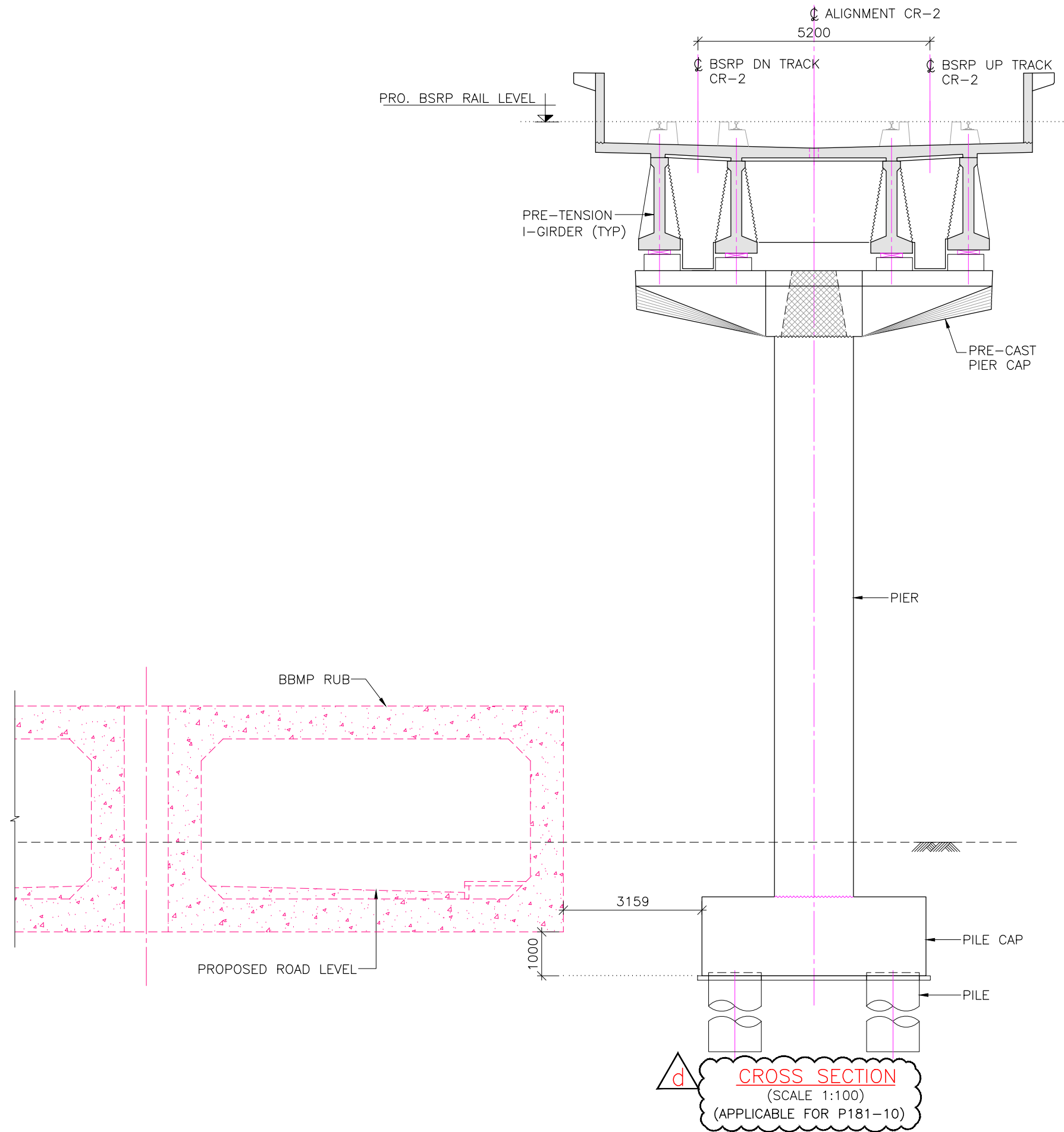
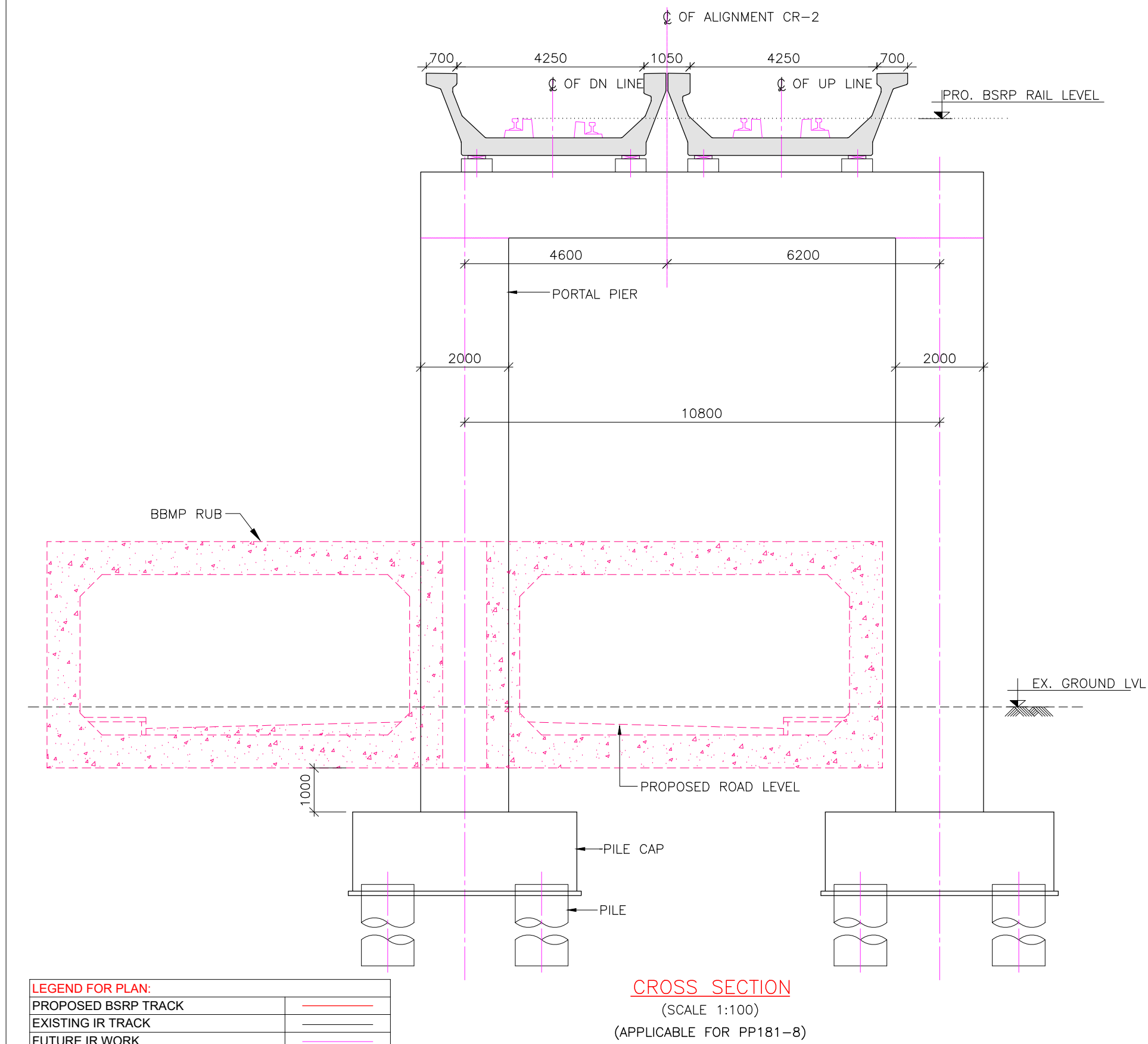
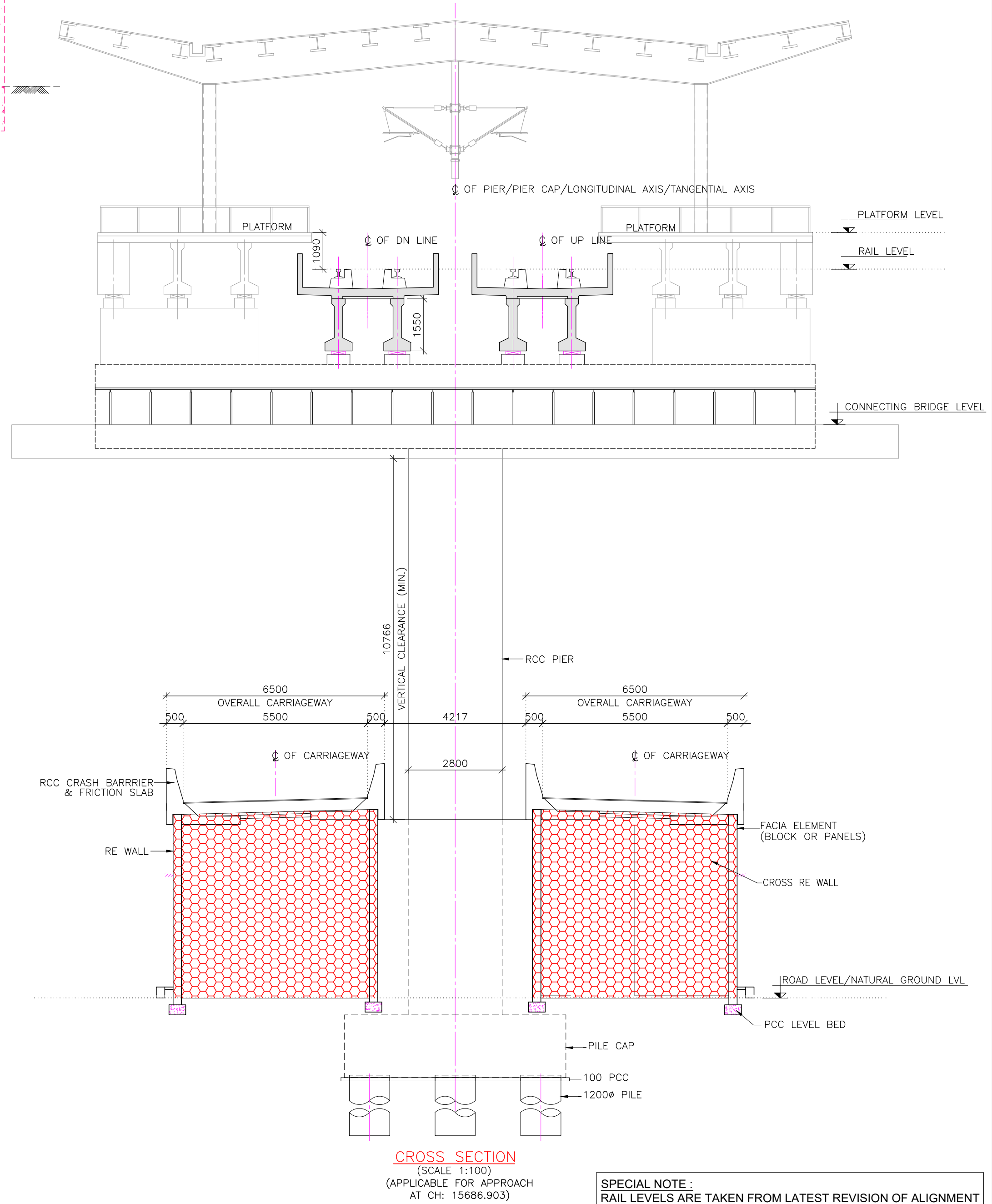
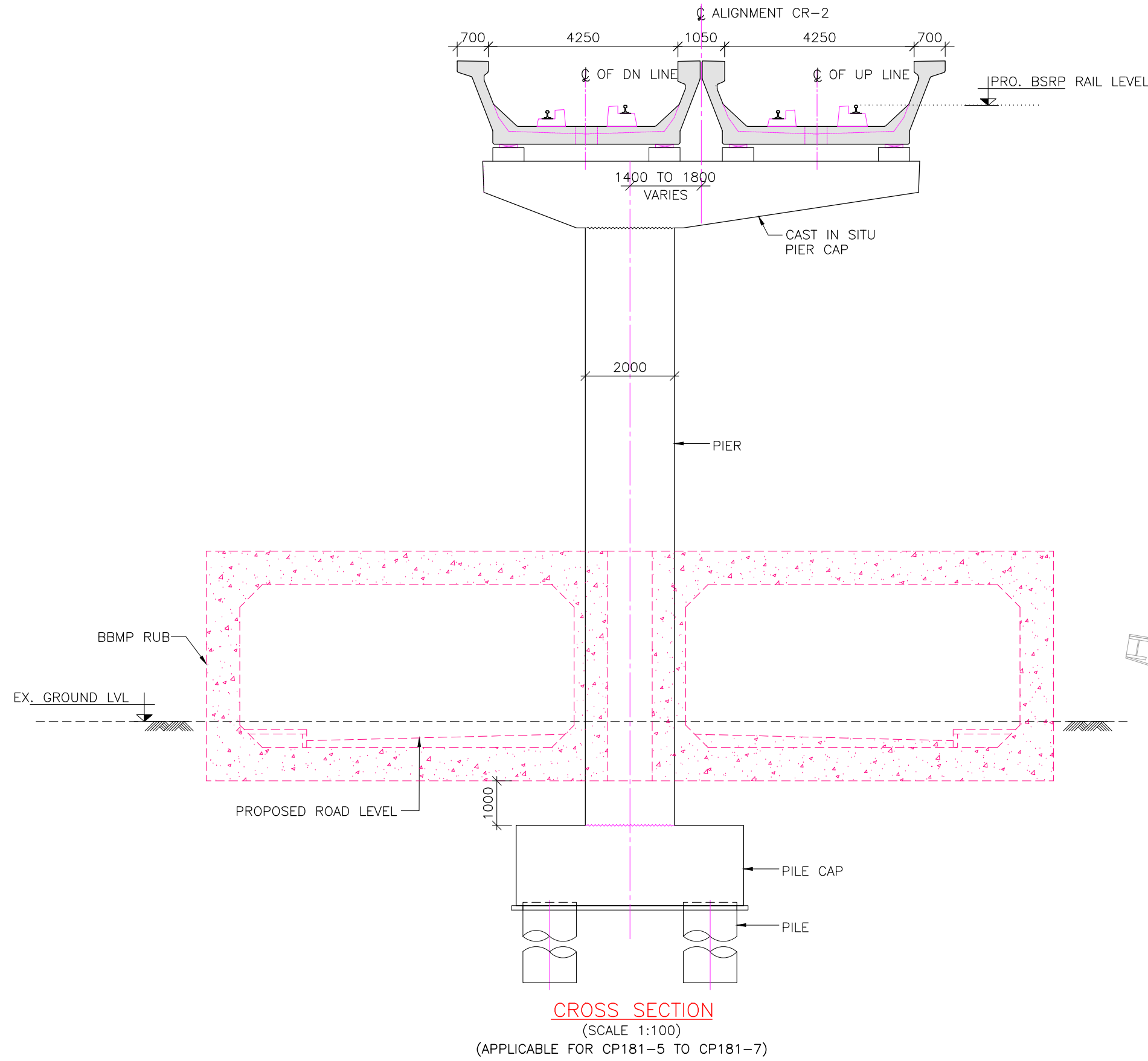
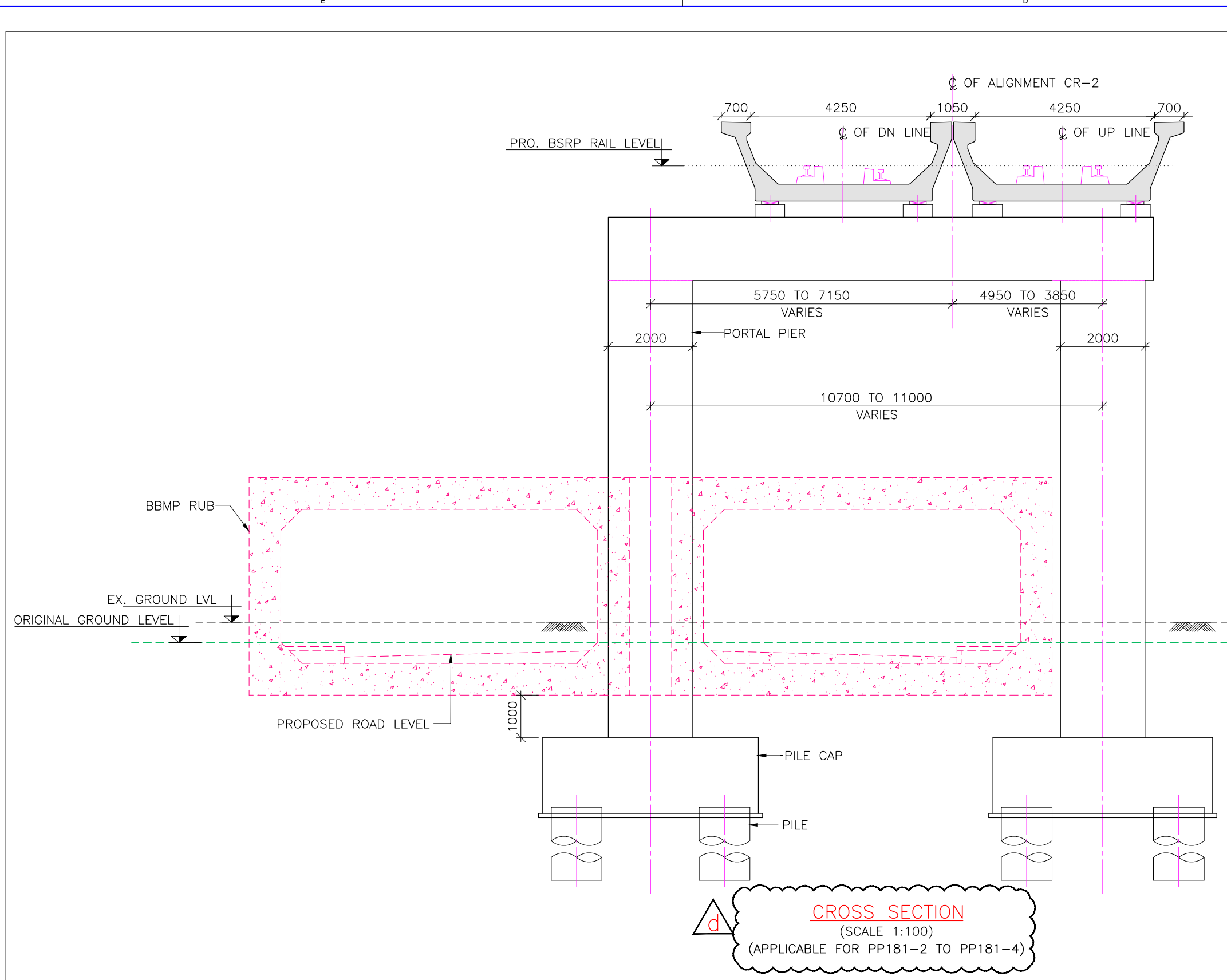
LEGEND FOR PLAN:	
PROPOSED BSRP TRACK	---
EXISTING IR TRACK	---
FUTURE IR WORK	---
EXISTING ROW AS PER ER	---
PROPOSED ROW AS PER ER	---
EXISTING SERVICE ROAD	---
PROPOSED SERVICE ROAD	---
LEGEND FOR PROFILE:	
PROPOSED BSRP RAIL LEVEL	---
EXISTING IR RAIL LEVEL	---
GROUND LEVEL	---
PROPOSED BSRP VERTICAL ALIGNMENT	---

REFERENCE DRAWINGS:- (LATEST REVISION)	
022077-BSRP-CR2-C-VD-GEN-10-2007	GENERAL ARRANGEMENT
022077-BSRP-CR2-C-VD-GEN-10-2008	DRAWING FOR VIADUCT PORTION
022077-BSRP-CR2-C-VD-GEN-10-2009	FOR CH. 13+563.903 Km TO CH. 16+461.903 Km
022077-BSRP-CR2-C-VD-GEN-10-2010	GENERAL ARRANGEMENT DRAWING OF MATHIKERE STATION (ELEVATED)
022077-BSRP-CR2-C-VD-GEN-10-2014	
022077-BSRP-CR2-C-VD-GEN-10-2015	
022077-BSRP-CR2-C-VD-01-10-1572	

NOTES:	
1. ALL DIMENSIONS AND LEVELS ARE IN METER, UNLESS OTHERWISE SPECIFIED.	
2. DIMENSIONS ARE NOT TO BE SCALED. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.	
3. ALL SUPERSTRUCTURE ARE PRECAST PRETENSIONED U-GIRDER UNLESS OTHERWISE MENTIONED.	
4. CHANGES MENTIONED ARE AT THE CENTER LINE OF ALIGNMENT.	
LEGEND:	
P : SINGLE PIER DP : DOWN LINE SINGLE PIER UP : UP LINE SINGLE PIER PP : PORTAL PIER CP : CANTILEVER PIER (PIER WITH ECCENTRIC PIER CAP)	
REFERENCE DRAWINGS:	
REFERENCE DOCUMENTS:	
KEY PLAN	
STATION BOX KEY PLAN	

REVISIONS	
REV	DATE
a	31.05.24
b	26.04.24
c	12.04.24
d	23.02.24
e	07.11.23
f	07.11.23
g	07.11.23
h	07.11.23
i	07.11.23
j	07.11.23
k	07.11.23
l	07.11.23
m	07.11.23
n	07.11.23
o	07.11.23
p	07.11.23
q	07.11.23
r	07.11.23
s	07.11.23
t	07.11.23
u	07.11.23
v	07.11.23
w	07.11.23
x	07.11.23
y	07.11.23
z	07.11.23



CONTRACTOR:	
TRANSPORTATION INFRASTRUCTURE IC	
EDRC-SPECIAL BRIDGES	
DETAILED DESIGN CONSULTANT (DDC):	
STUP Consultants Pvt. Ltd.	
PROOF CONSULTANT (PC):	
Indian Institute of Technology Madras	
L&T CONSTRUCTION	
EDRC-SPECIAL BRIDGES - TTC	
QUALITY ASSURANCE	
The responsibility of control, check and verification of accuracy, correctness, completeness, integration and full compliance of Contract provisions is respect of design analysis and drawing rests with Design & Build Contractor.	
GENERAL CONSULTANTS	
CHECKED & APPROVED	
COUNTER SIGN	
PROJECT DIRECTOR	
K RIDE	
DESIGNATION	
SIGN	
DATE	
GENERAL CONSULTANTS:	
EMPLOYER:	
RAIL INFRASTRUCTURE DEVELOPMENT COMPANY (KARNATAKA) LIMITED	
GENERAL CONSULTANTS:	
AECOM egis WSP AECOM-EGIS-WSP	
PROJECT:	
BENGALURU SUBURBAN RAILWAY PROJECT (BSRP)	
K-RIDE CORRIDOR - 2	
DRAWING TITLE:	
GENERAL ARRANGEMENT DRAWING FOR VIADUCT PORTION	
FOR CH. 13+563.903 Km TO CH. 16+461.903 Km	
DRAWING NO.:	
022077-BSRP-CR2-C-VD-GEN-10-2013	
SCALE: AS SHOWN	
DATE: 07/11/2023	
REVISION	
DWG STATUS	
e	
D	
SHEET SIZE - A1	

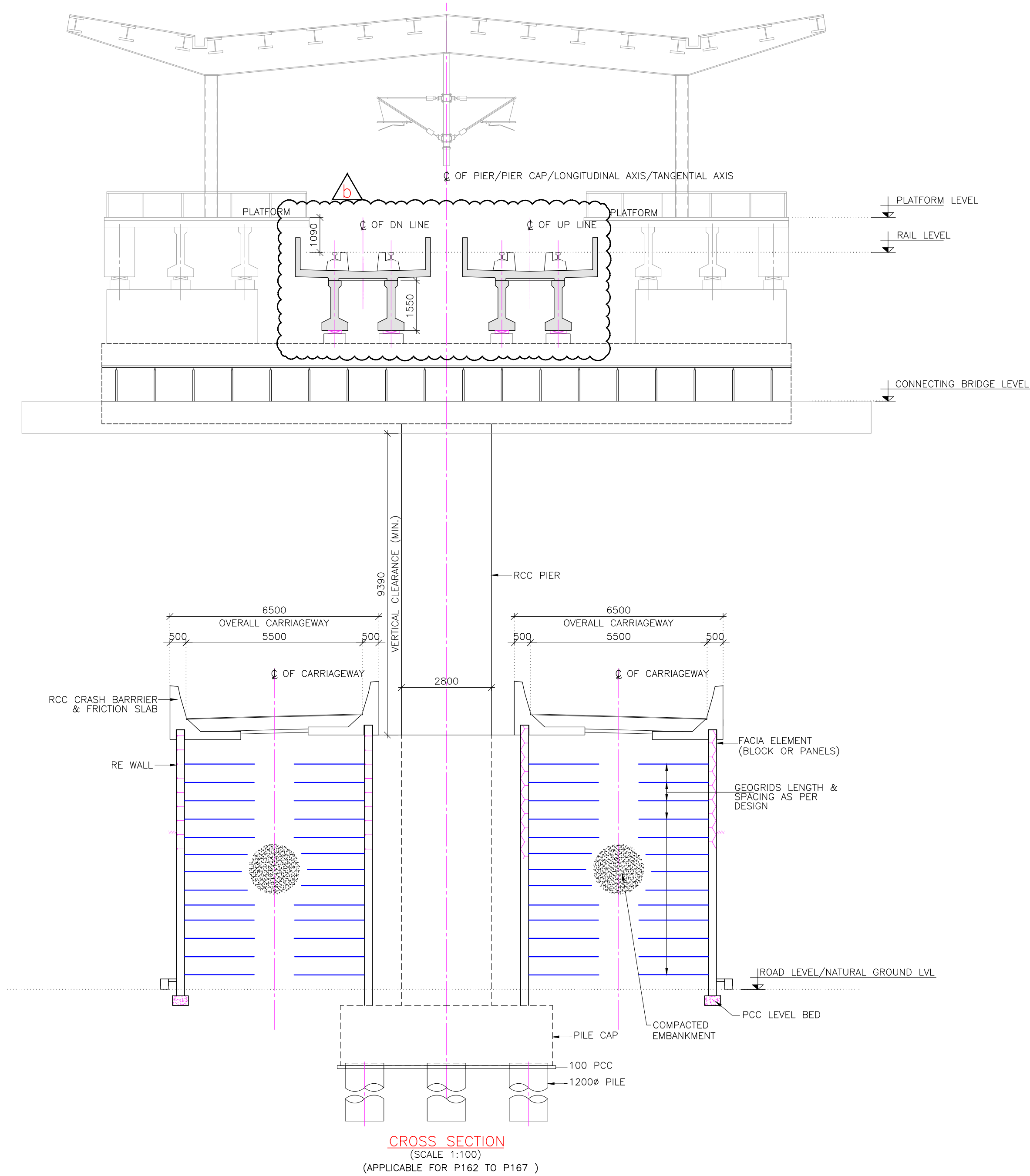


LEGEND FOR PLAN:	
PROPOSED BSRP TRACK	---
EXISTING IR TRACK	---
FUTURE IR WORK	---
EXISTING ROW AS PER ER	---
PROPOSED ROW AS PER ER	---
PROPOSED ROW AS PER IR	---
EXISTING SERVICE ROAD	---
PROPOSED ROAD	---
LEGEND FOR PROFILE:	
PROPOSED BSRP RAIL LEVEL	---
EXISTING IR RAIL LEVEL	---
GROUND LEVEL	---
PROPOSED BSRP VERTICAL ALIGNMENT	---

REFERENCE DRAWINGS:- (LATEST REVISION)	
O22077-BSRP-CR2-C-VD-GEN-10-2007	GENERAL ARRANGEMENT
O22077-BSRP-CR2-C-VD-GEN-10-2008	DRAWING FOR VIADUCT PORTION
O22077-BSRP-CR2-C-VD-GEN-10-2009	FOR CH. 13+563.903 Km TO CH. 16+461.903 Km
O22077-BSRP-CR2-C-VD-GEN-10-2010	
O22077-BSRP-CR2-C-VD-GEN-10-2013	
O22077-BSRP-CR2-C-VD-GEN-10-2015	
O22077-BSRP-CR2-C-VD-GEN-10-2017	
O22077-BSRP-CR2-C-VD-GEN-10-2018	
O22077-BSRP-CR2-C-VD-GEN-10-2019	
O22077-BSRP-CR2-C-VD-GEN-10-2020	
O22077-BSRP-CR2-C-VD-GEN-10-2021	
O22077-BSRP-CR2-C-VD-GEN-10-2022	
O22077-BSRP-CR2-C-VD-GEN-10-2023	
O22077-BSRP-CR2-C-VD-GEN-10-2024	

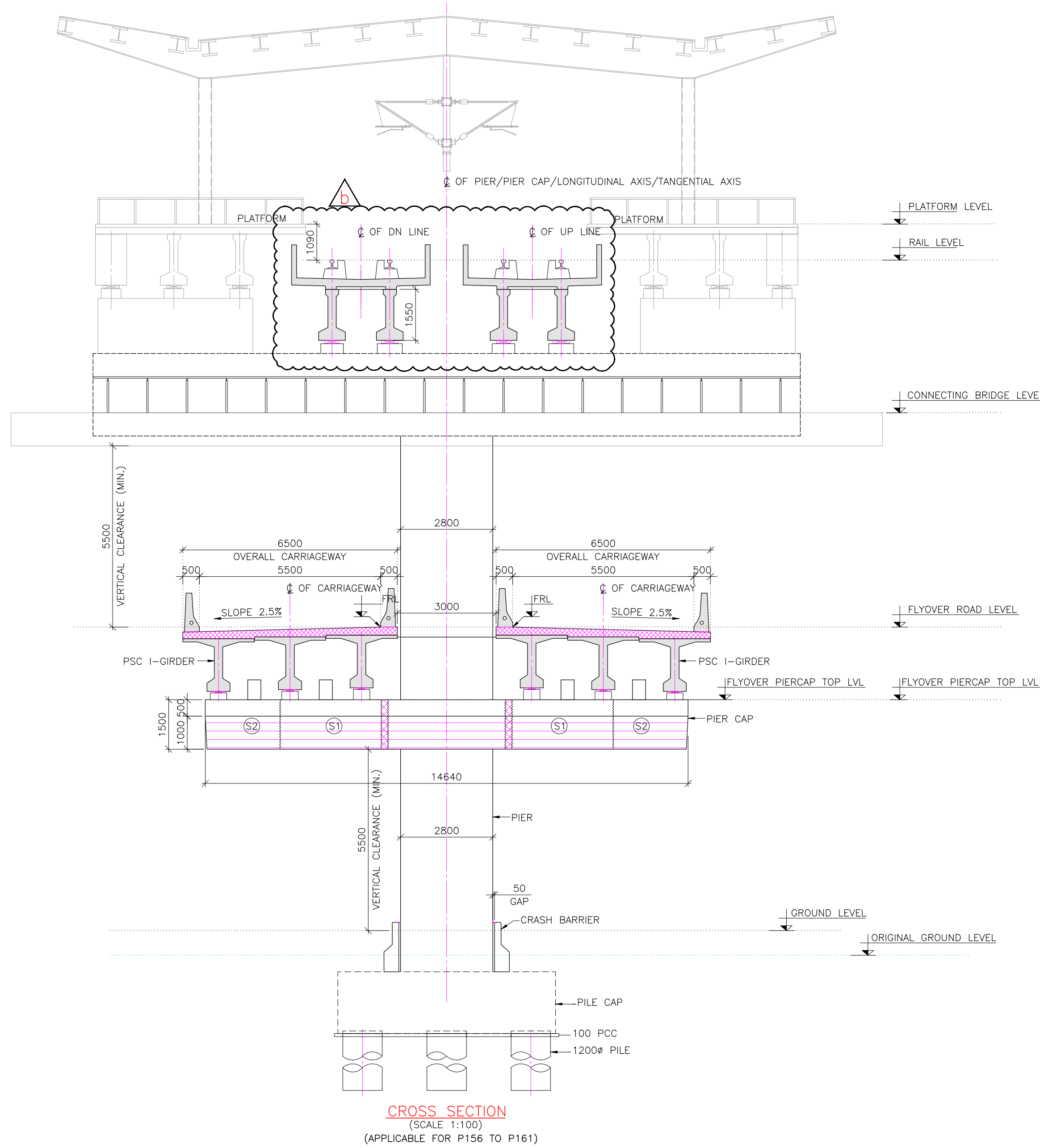
NOTES:	
1. ALL DIMENSIONS AND LEVELS ARE IN METER, UNLESS OTHERWISE SPECIFIED.	
2. DIMENSIONS ARE NOT TO BE SCALED. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.	
3. ALL SUPERSTRUCTURE ARE PRECAST PRETENSIONED U-GIRDER UNLESS OTHERWISE MENTIONED.	
4. CHAINAGES MENTIONED ARE AT THE CENTER LINE OF ALIGNMENT.	
LEGEND:	
P : SINGLE PIER DP : DOWN LINE SINGLE PIER UP : UP LINE SINGLE PIER PP : PORTAL PIER CP : CANTILEVER PIER (PIER WITH ECCENTRIC PIER CAP)	
REFERENCE DRAWINGS:	
P : SINGLE PIER DP : DOWN LINE SINGLE PIER UP : UP LINE SINGLE PIER PP : PORTAL PIER CP : CANTILEVER PIER (PIER WITH ECCENTRIC PIER CAP)	
REFERENCE DOCUMENTS:	
P : SINGLE PIER DP : DOWN LINE SINGLE PIER UP : UP LINE SINGLE PIER PP : PORTAL PIER CP : CANTILEVER PIER (PIER WITH ECCENTRIC PIER CAP)	
KEY PLAN	
JALAHALI STATION MATHIKERE STATION VISHWANATH STATION KANAKANAGAR STATION BENNIGANAHALI STATION	
STATION BOX KEY PLAN	
JALAHALI STATION MATHIKERE STATION VISHWANATH STATION KANAKANAGAR STATION BENNIGANAHALI STATION	
EMPLOYER:	
RAIL INFRASTRUCTURE DEVELOPMENT COMPANY (KARNATAKA) LIMITED	
GENERAL CONSULTANTS:	
AECOM egis WSP AECOM-EGIS-WSP	
PROJECT:	
BENGALURU SUBURBAN RAILWAY PROJECT (BSRP) K-RIDE CORRIDOR - 2	
DRAWING TITLE:	
GENERAL ARRANGEMENT DRAWING FOR VIADUCT PORTION FOR CH. 13+563.903 Km TO CH. 16+461.903 Km	
DRAWING NO.:	
O22077-BSRP-CR2-C-VD-GEN-10-2014	
SCALE:	
AS SHOWN	
DATE:	
07/11/2023	
REVISION:	
d	
DWG STATUS:	
D	
SHEET SIZE:	
A1	

LEGEND :		REFERENCE DRAWINGS :	
P : SINGLE PIER DP : DOWN LINE SINGLE PIER UP : UP LINE SINGLE PIER PP : PORTAL PIER CP : CANTILEVER PIER (PIER WITH ECCENTRIC PIER CAP)			
QUALITY ASSURANCE			
The responsibility of control, check and verification of accuracy, correctness, completeness, integration and full compliance of Contract provisions in respect of design analysis and drawing rests with Design & Build Contractor			
(PC):		DDC	PC Contractor
SIGN 			
DATE 31/05/2024	31/05/2024	31/05/2024	31/05/2024
NAME MLR	SSV	PC	KVM
PREPARED BY		CHECKED BY	APPROVED BY
APPROVED BY		ISSUED BY	
C			



CROSS SECTION
(SCALE 1:100)

(APPLICABLE FOR P162 TO P167)



CROSS SECTION
(SCALE 1:100)

(APPLICABLE FOR P156 TO P161)

LEGEND FOR PLAN	
PROPOSED BSRP TRACK	---
EXISTING IR TRACK	---
FUTURE IR WORK	---
EXISTING ROW AS PER ER	---
PROPOSED ROW AS PER ER	---
PROPOSED ROW AS PER IR	---
EXISTING SERVICE ROAD	---
PROPOSED ROAD	---
LEGEND FOR PROFILE	
PROPOSED BSRP RAIL LEVEL	---
EXISTING IR RAIL LEVEL	---
GROUND LEVEL	---
PROPOSED BSRP VERTICAL ALIGNMENT	---

REFERENCE DRAWINGS:- (LATEST REVISION)

O22077-BSRP-CR2-C-VD-GEN-10-2007	GENERAL ARRANGEMENT
O22077-BSRP-CR2-C-VD-GEN-10-2008	DRAWING FOR VIADUCT PORTION
O22077-BSRP-CR2-C-VD-GEN-10-2009	FOR CH. 13+563.903 Km TO
O22077-BSRP-CR2-C-VD-GEN-10-2010	CH. 16+461.903 Km
O22077-BSRP-CR2-C-VD-GEN-10-2013	CH. 16+461.903 Km
O22077-BSRP-CR2-C-VD-GEN-10-2014	CH. 16+461.903 Km
O22077-BSRP-CR2-C-VD-01-10-1572	GENERAL ARRANGEMENT DRAWING OF
	MATHIKERE STATION (ELEVATED)

- NOTES:
1. ALL DIMENSIONS AND LEVELS ARE IN METER, UNLESS OTHERWISE SPECIFIED.
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 4. CHAINAGES MENTIONED ARE AT THE CENTER LINE OF ALIGNMENT.

LEGEND:

P : SINGLE PIER
DP : DOWN LINE SINGLE PIER
UP : UP LINE SINGLE PIER
PP : PORTAL PIER
CP : CANTILEVER PIER
(PIER WITH ECCENTRIC PIER CAP)

REFERENCE DRAWINGS :

QUALITY ASSURANCE	
The responsibility of control, check and verification of accuracy, correctness, completeness, integration and full compliance of Contract provisions in respect of design analysis and drawing rests with Design & Build Contractor.	
DATE	26/04/2024
NAME	MLR
DATE	26/04/2024
NAME	SSV
DATE	26/04/2024
NAME	PC
DATE	26/04/2024
NAME	KVM

GENERAL CONSULTANTS	
CHECKED & APPROVED	COUNTER SIGN
NAME	SIGN
NAME	SIGN
NAME	SIGN
NAME	SIGN
NAME	SIGN
NAME	SIGN
NAME	SIGN

PROJECT DIRECTOR	
SIGN	SIGN
NAME	NAME
DATE	DATE
DATE	DATE
DATE	DATE
DATE	DATE
DATE	DATE

KEY PLAN	
JALAHALLI STATION	KANAKANAGAR STATION
MATHIKERE STATION	BENNEGANAHALLI STATION
YESHWANTPUR STATION	
EMPLOYER :	
RAIL INFRASTRUCTURE DEVELOPMENT COMPANY (KARNATAKA) LIMITED	
GENERAL CONSULTANTS :	
AECOM egis AECOM-EGIS-WSP	

STATION BOX KEY PLAN	
PROJECT : BENGALURU SUBURBAN RAILWAY PROJECT (BSRP) K-RIDE CORRIDOR - 2	
DRAWING TITLE : GENERAL ARRANGEMENT DRAWING FOR VIADUCT PORTION FOR CH. 13+563.903 Km TO CH. 16+461.903 Km	
DRAWING NO. : O22077-BSRP-CR2-C-VD-GEN-10-2015	
SCALE : AS SHOWN	
DATE : 23/02/2024	
REVISION	DWG STATUS
b	D
SHEET SIZE - A1	

SPECIAL NOTE:
RAIL LEVELS ARE TAKEN FROM LATEST REVISION OF ALIGNMENT