



National Highways Authority of India

Construction of Four-lane "Western side spur of Rampur-Rudrapur section connecting NH-24 to NH-87 bypassing Rampur town" (Design Km 00+000 to Km13+700) on EPC Mode in the state of Uttar Pradesh.

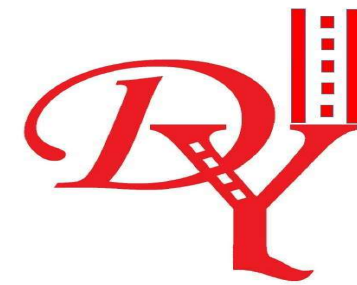
INTERCHANGE

DESIGN CONSULTANT



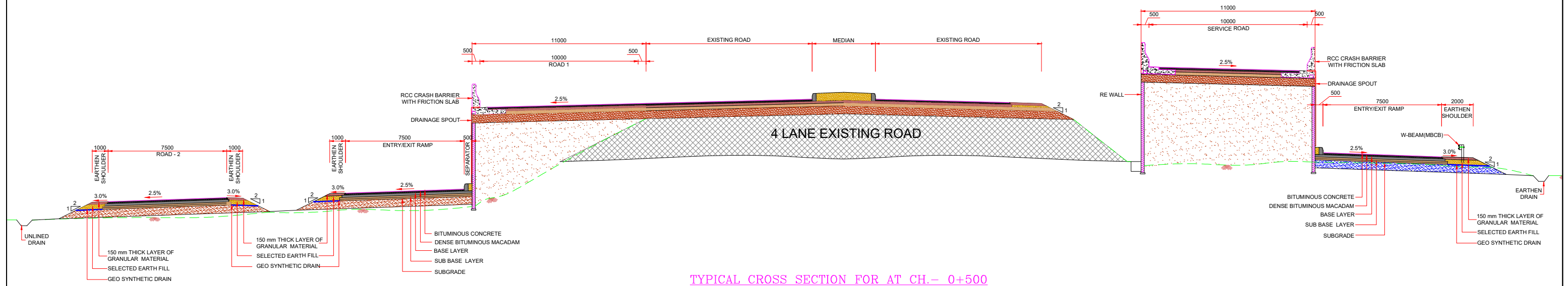
CIVILMANTRA INFRACON PVT.LTD

EPC CONTRACTOR



**DEV YASH PROJECTS &
INFRASTRUCTURE PVT. LTD.**

TYPICAL CROSS SECTION



TYPICAL CROSS SECTION FOR AT CH.- 0+500

REV	DATE	DESCRIPTION	A	B	C
R0	DEC.- 2025	SUBMISSION OF TYPICAL CROSS SECTION			

CLIENT:

NATIONAL HIGHWAYS
AUTHORITY OF INDIA

AUTHORITY :

ARTEFACT PROJECTS LTD.

EPC CONTRACTOR :

DEV YASH PROJECTS &
INFRASTRUCTURE PVT LTD

PROOF CONSULTANT :

HIGHRAISE CONSTRUCTION AND
CONSULTANT PRIVATE LIMITED

SAFETY CONSULTANT :

EARL TECHNO
CONSULTANTS PVT. LTD.
EARLTECHNO CONSULTANTS PVT. LTD

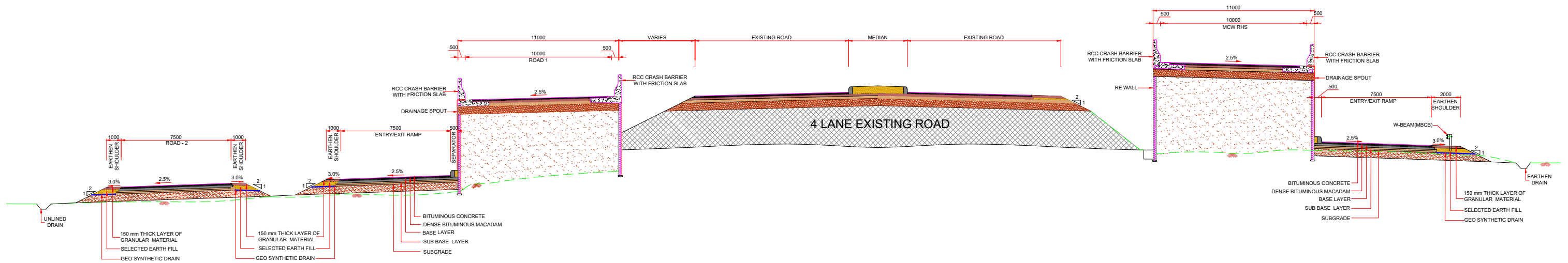
DESIGN CONSULTANT :

CIVILMANTRA
INFRACON PVT LTD

PROJECT :
Construction of Four-lane "Western side spur
of Rampur-Rudrapur section connecting
NH-24 to NH-87 bypassing Rampur town"
(Design Km 00+000 to Km13+700) on EPC
Mode in the state of Uttar Pradesh

DRAWING TITLE :
TYPICAL CROSS SECTION
SCALE : AS SHOWN
PAPER SIZE : A3

DRG.NO.CIPL/D1112/HW/DWG/TCS/001				
DATE : MAY- 2025			REV: R0	
DESIGNED	DRAWN	CHECKED	APPROVED	
PM	YK	AK	SM	



TYPICAL CROSS SECTION FOR AT CH.- 0+700



REV	DATE	DESCRIPTION	A	B	C
R0	DEC-2025	SUBMISSION OF TYPICAL CROSS SECTION			

CLIENT:
 NATIONAL HIGHWAYS AUTHORITY OF INDIA

AUTHORITY :
 ARTEFACT PROJECTS LTD.

EPC CONTRACTOR :
 DEV YASH PROJECTS & INFRASTRUCTURE PVT LTD

PROOF CONSULTANT :
 HIGHRAISE CONSTRUCTION AND CONSULTANT PRIVATE LIMITED

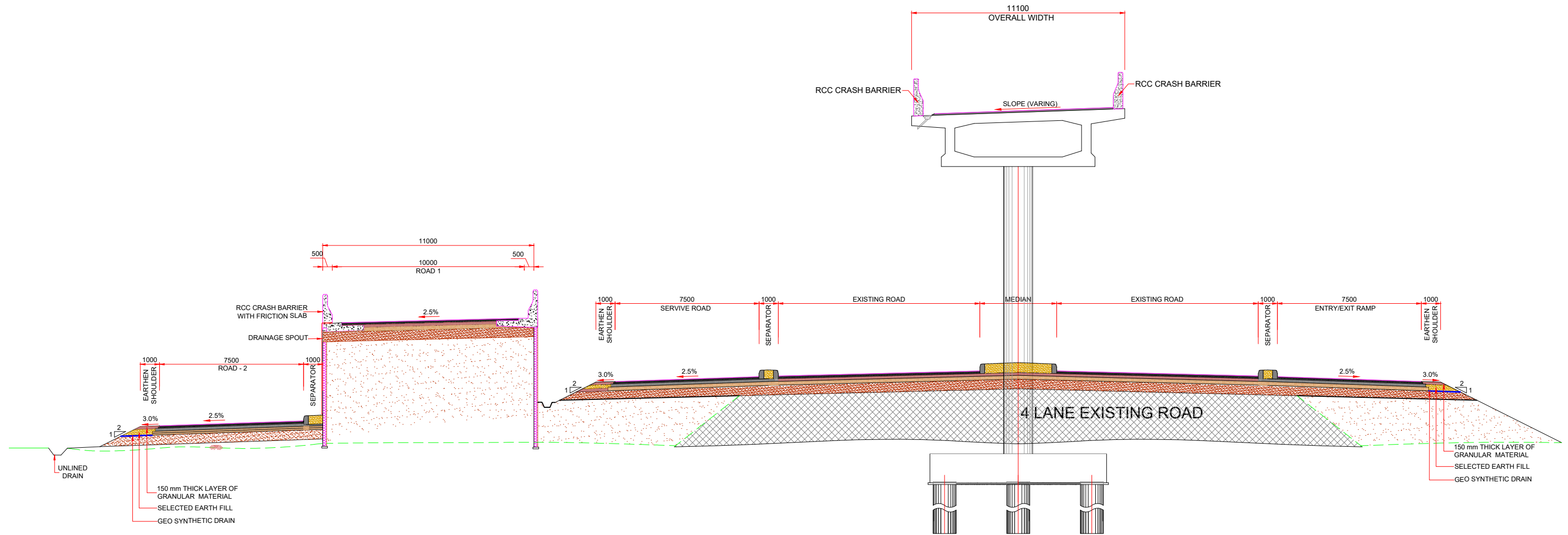
SAFETY CONSULTANT :
 EARL TECHNO CONSULTANTS PVT. LTD.

DESIGN CONSULTANT :
 CIVILMANTRA INFRACON PVT LTD.

PROJECT :
Construction of Four-lane "Western side spur of Rampur-Rudrapur section connecting NH-24 to NH-87 bypassing Rampur town" (Design Km 00+000 to Km13+700) on EPC Mode in the state of Uttar Pradesh

DRAWING TITLE :
TYPICAL CROSS SECTION
SCALE : AS SHOWN PAPER SIZE : A3

DRG.NO.CIPL/D1112/HW/DWG/TCS/002			
DATE : MAY- 2025		REV: R0	
DESIGNED PM	DRAWN YK	CHECKED AK	APPROVED SM



TYPICAL CROSS SECTION FOR AT CH.- 0+750



REV	DATE	DESCRIPTION	A	B	C
R0	DEC-2025	SUBMISSION OF TYPICAL CROSS SECTION			

CLIENT:
 NATIONAL HIGHWAYS AUTHORITY OF INDIA

AUTHORITY:
 ARTEFACT PROJECTS LTD.

EPC CONTRACTOR:
 DEV YASH PROJECTS & INFRASTRUCTURE PVT LTD

PROOF CONSULTANT:
 HIGHRAISE CONSTRUCTION AND CONSULTANT PRIVATE LIMITED

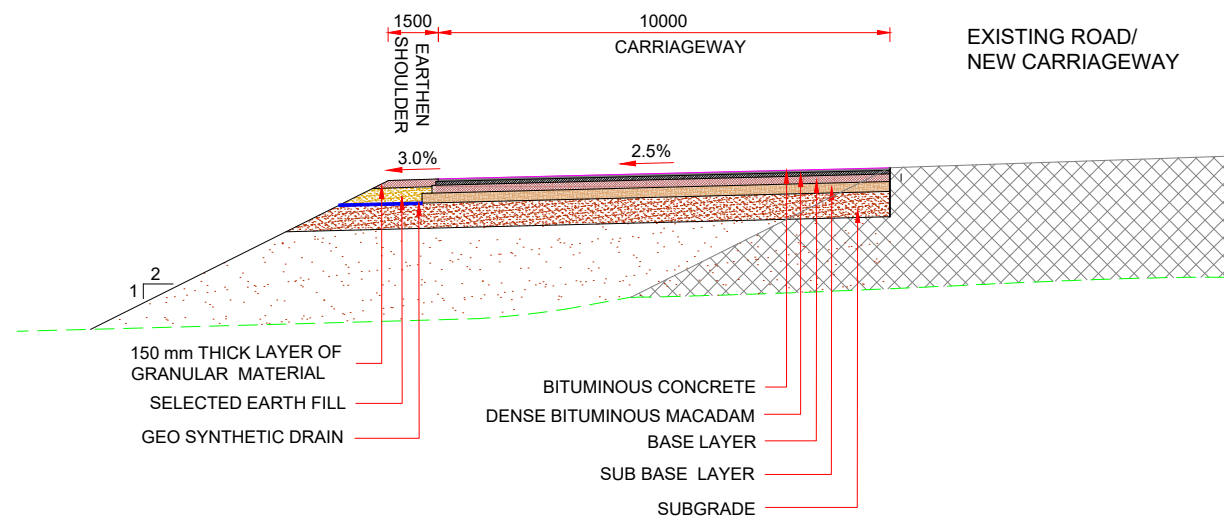
SAFETY CONSULTANT:
 EARL TECHNO CONSULTANTS PVT. LTD.

DESIGN CONSULTANT:
 CIVILMANTRA INFRACON PVT LTD.

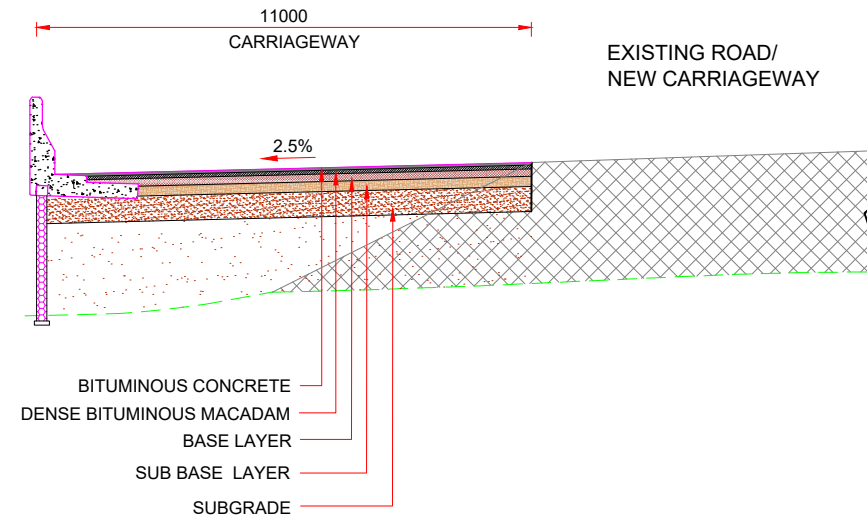
PROJECT:
Construction of Four-lane "Western side spur of Rampur-Rudrapur section connecting NH-24 to NH-87 bypassing Rampur town" (Design Km 00+000 to Km13+700) on EPC Mode in the state of Uttar Pradesh

DRAWING TITLE:
TYPICAL CROSS SECTION
SCALE: AS SHOWN PAPER SIZE: A3

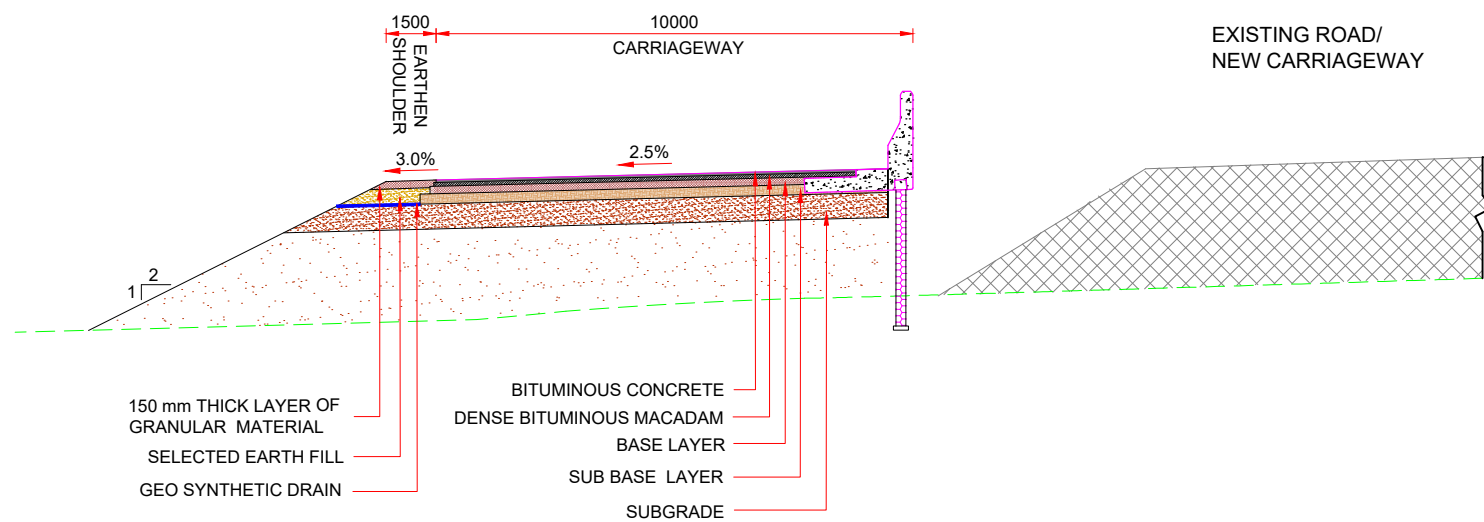
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DATE: MAY- 2025		REV: R0	
DESIGNED PM	DRAWN YK	CHECKED AK	APPROVED SM



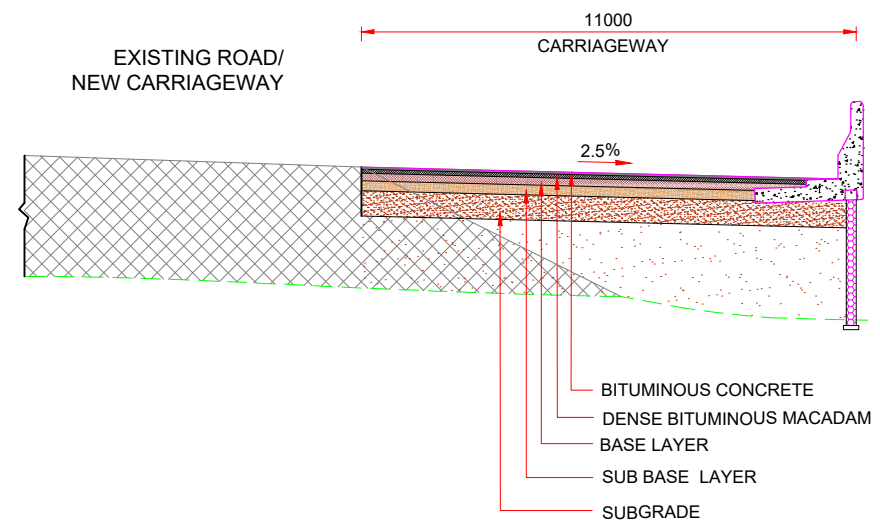
SECTION - "A-A"



SECTION - A-A(2)



SECTION - A-A(1)



SECTION - A-A(3)



REV	DATE	DESCRIPTION	A	B	C
R0	DEC-2025	SUBMISSION OF TYPICAL CROSS SECTION			

CLIENT:
 NATIONAL HIGHWAYS
AUTHORITY OF INDIA

AUTHORITY:
 ARTEFACT PROJECTS LTD.

EPC CONTRACTOR:
 DEV YASH PROJECTS &
INFRASTRUCTURE PVT. LTD.

PROOF CONSULTANT:
 HCC
HIGHRAISE CONSTRUCTION AND
CONSULTANT PRIVATE LIMITED

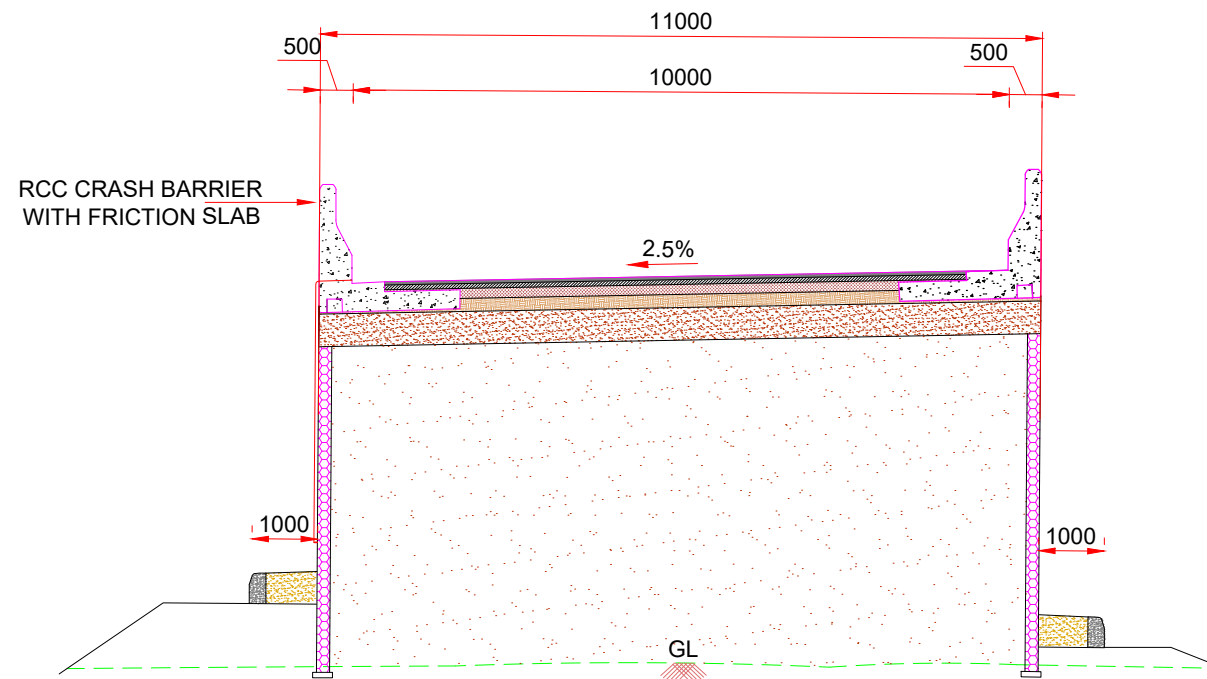
SAFETY CONSULTANT:
 EARL TECHNO
CONSULTANTS PVT. LTD.
EARL TECHNO CONSULTANTS PVT. LTD.

DESIGN CONSULTANT:
 CIVILMANTRA
INFRACON PVT. LTD.

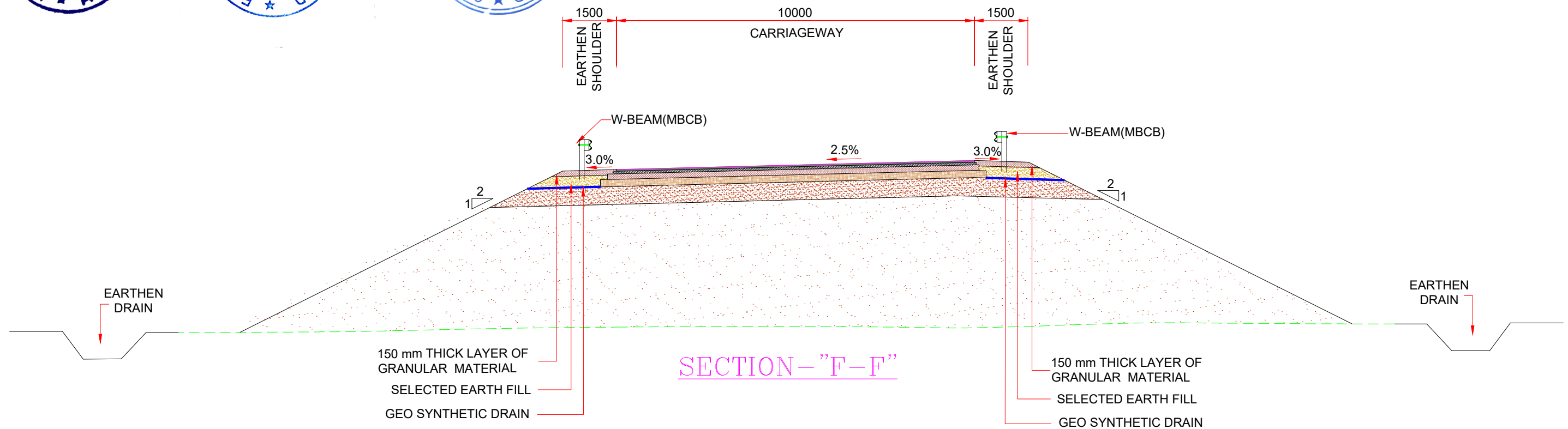
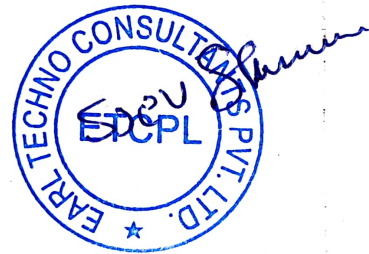
PROJECT:
Construction of Four-lane "Western side spur
of Rampur-Rudrapur section connecting
NH-24 to NH-87 bypassing Rampur town"
(Design Km 00+000 to Km13+700) on EPC
Mode in the state of Uttar Pradesh

DRAWING TITLE:
TYPICAL CROSS SECTION
SCALE: AS SHOWN PAPER SIZE: A3

DRG.NO.CIPL/D1112/HW/DWG/TCS/004	DATE: MAY- 2025	REV: R0
DESIGNED PM	DRAWN YK	CHECKED AK
APPROVED SM		



SECTION - "E-E"



SECTION - "F-F"

REV	DATE	DESCRIPTION	A	B	C
R0	DEC-2025	SUBMISSION OF TYPICAL CROSS SECTION			

CLIENT:
NATIONAL HIGHWAYS
AUTHORITY OF INDIA

AUTHORITY:
ARTEFACT PROJECTS LTD.

EPC CONTRACTOR:
DEV YASH PROJECTS &
INFRASTRUCTURE PVT LTD

PROOF CONSULTANT:
HCC
HIGHRAISE CONSTRUCTION AND
CONSULTANT PRIVATE LIMITED

SAFETY CONSULTANT:
EARL TECHNO
CONSULTANTS PVT. LTD.
EARL TECHNO CONSULTANTS PVT. LTD.

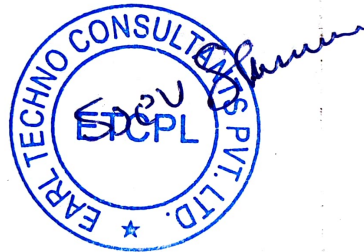
DESIGN CONSULTANT:
CIVILMANTRA
INFRACON PRIVATE LIMITED

PROJECT:
Construction of Four-lane "Western side spur
of Rampur-Rudrapur section connecting
NH-24 to NH-87 bypassing Rampur town"
(Design Km 00+000 to Km13+700) on EPC
Mode in the state of Uttar Pradesh

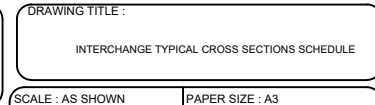
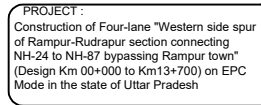
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TYPICAL CROSS SECTION
SCALE: AS SHOWN PAPER SIZE: A3

DRG.NO.CIPL/D1112/HW/DWG/TCS005	DATE: MAY- 2025	REV: R0
DESIGNED: PM	DRAWN: YK	CHECKED: AK
		APPROVED: SM

INTERCHANGE 1				
TCS SCHEDULE FOR ROAD-1				
S.NO.	CHAINAGE		LENGTH (m)	TCS TYPE
	FROM	TO		
1	0	100	100	A-A(2)
2	100	400	300	E-E
3	400	645	245	A-A
6	TOTAL (m)		645	
TCS SCHEDULE FOR ROAD-2				
S.NO.	CHAINAGE		LENGTH (m)	TCS TYPE
	FROM	TO		
1	0	75	75	A-A
2	75	280	205	F-F
4	280	412	132	A-A(2)
	TOTAL (m)		412	



RD	FEB-2026	SUBMISSION OF IC TCS SCHEDULE			
REV	DATE	DESCRIPTION	A	B	C



DRG.NO.CIPL/D-1112/HW/DWG/IC/TCSS001			
DATE :FEB.-2026			REV: R0
DESIGNED PM	DRAWN YK	CHECKED AK	APPROVED SM

INTERCHANGE AT CH. 0+500



PLAN:-	
	MNB/MJB
	VUP/LVUP/SVUP
	CULVERT
	PROW
	EARTH WORK
	PROPOSED CENTER LINE
	PROPOSED MEDIAN
	CARRIAGEWAY EDGE
	EARTH SHOULDER
	SEPARATOR
	CRASH BARRIER

HORIZONTAL CURVE DETAILS	
CURVE NUMBER	1 000
Chainage	0+230.492
RADIUS (m)	-2000.000
CURVE LENGTH (m)	7.942
TRANSITION LEADING (m)	0.000
LENGTH (m) TRAILING (m)	0.000
Easting (X)	301879.784
Northing (Y)	3186831.2
SUPERELEVATION	-
DESIGN SPEED	100
Total Deflection	0.228

HORIZONTAL CURVE DETAILS	
CURVE NUMBER	2 000
Chainage	0+372.343
RADIUS (m)	15500.000
CURVE LENGTH (m)	270.423
TRANSITION LEADING (m)	0.000
LENGTH (m) TRAILING (m)	0.000
Easting (X)	302019.725
Northing (Y)	3186807.9
SUPERELEVATION	-
DESIGN SPEED	100
Total Deflection	1 000

HORIZONTAL CURVE DETAILS	
CURVE NUMBER	3 000
Chainage	+0+01.737
RADIUS (m)	-258.000
CURVE LENGTH (m)	447.886
TRANSITION/LEADING (m)	62.000
LENGTH (m) / TRAILING (m)	62.000
Easting (X)	302624.495
Northing (Y)	3186736.3
SUPERELEVATION	5.00%
DESIGN SPEED	65
Total Deflection	113.234

STRUCTURE	
TYPE	PIPE CULVERT
PROPOSED CHAINAGE	0+902
AS PER CA CHAINAGE	0+915
SPAN	1X1.2 Dia.
PROPOSAL	NEW CONSTRUCTION

STRUCTURE	
TYPE	LVUP
PROPOSED CHAINAGE	0+215
AS PER CA CHAINAGE	-
SPAN	1X12X4.5
PROPOSAL	COS

STRUCTURE - ROAD - 2	
TYPE	HPC
PROPOSED CHAINAGE	0+268
AS PER CA CHAINAGE	-
SPAN	1X1.2 Dia.
PROPOSAL	COS

STRUCTURE	
TYPE	LVUP
PROPOSED CHAINAGE	0+500
AS PER CA CHAINAGE	-
SPAN	1X12X4.5
PROPOSAL	COS

STRUCTURE - ROAD 2	
TYPE	PIPE CULVERT
PROPOSED CHAINAGE	0+619
AS PER CA CHAINAGE	0+585
SPAN	1X1.2 Dia.
PROPOSAL	NEW CONSTRUCTION

STRUCTURE	
TYPE	FLYOVER
PROPOSED CHAINAGE	0+755
AS PER CA CHAINAGE	0+770
SPAN	2X50m
PROPOSAL	NEW CONSTRUCTION

STRUCTURE - ROAD - 1	
TYPE	HPC
PROPOSED CHAINAGE	0+270
AS PER CA CHAINAGE	-
SPAN	1X1.2 Dia.
PROPOSAL	COS

	ROAD-1 (FROM MORADABAD TO RUDRAPUR)
	ROAD-2
	RAMP
	RAMP
	FROM RUDRAPUR TO MORADABAD (MCW)



RD	FEB. - 2026	SUBMISSION OF: PLAN & PROFILE			
REV	DATE	DESCRIPTION	A	B	C

CLIENT:



NATIONAL HIGHWAYS
AUTHORITY OF INDIA

AUTHORITY :

 ARTEFACT PROJECTS LTD.

EPC CONTRACTOR :

 **DEV YASH PROJECTS &
INFRASTRUCTURE PVT LTD**

PROOF CONSULTANT :

**HIGHRAISE CONSTRUCTION AND
CONSULTANT PRIVATE LIMITED**

SAFETY CONSULTANT :

EARL TECHNO
CONSULTANTS PVT. LTD.
EARLTECHNO CONSULTANTS PVT. LTD.

DESIGN CONSULTANT :



CIVILMANTRA
(Delivering Results with Innovative Ideas)

CIVIL MANTRA INFRACON PVT LT.

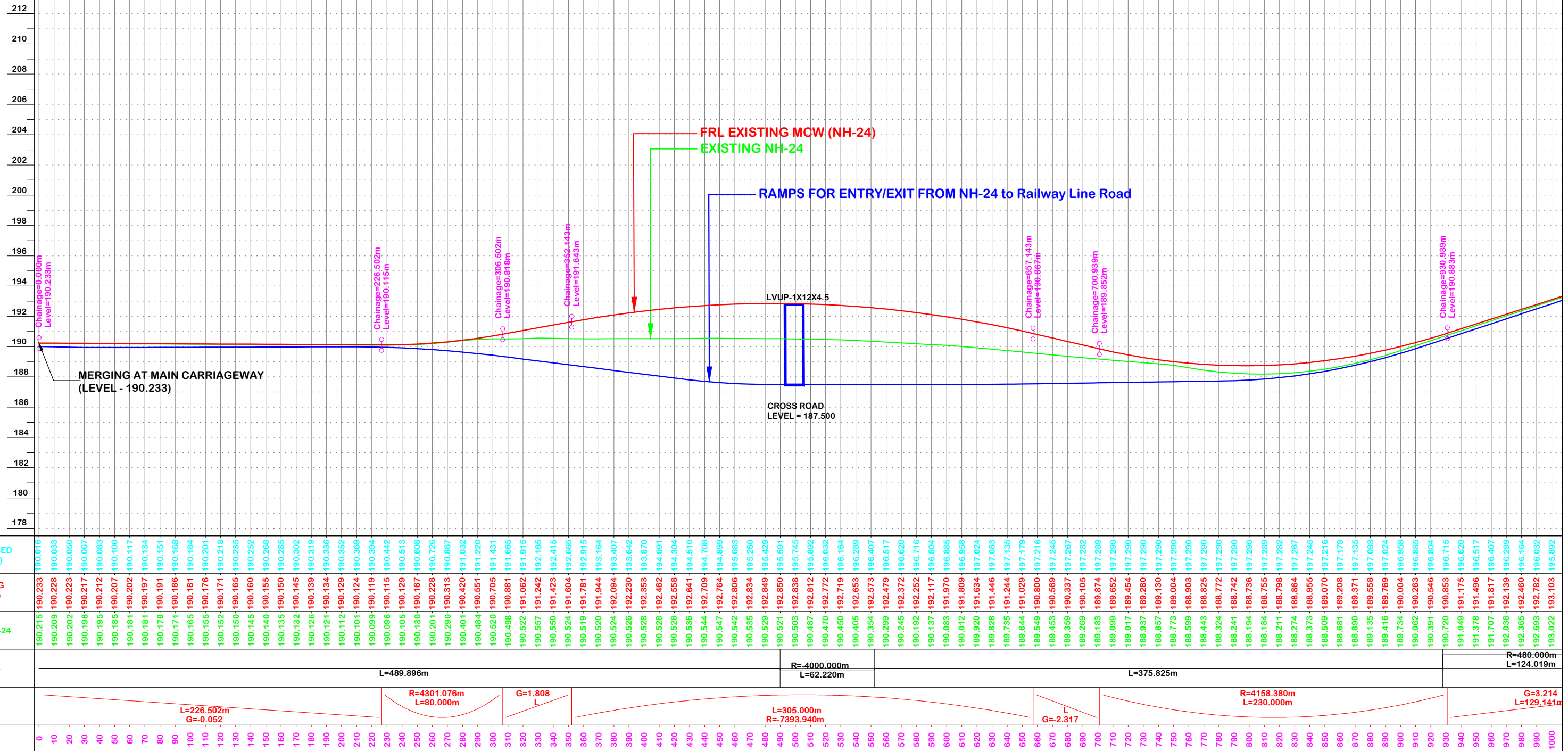
PROJECT :
Construction of Four-lane "Western side sp
of Rampur-Rudrapur section connecting
NH-24 to NH-87 bypassing Rampur town"
(Design Km 00+000 to Km13+700) on EPC
Mode in the state of Uttar Pradesh

DRAWING TITLE :
COS VUP PLAN AT CH. 0+500
(MCW,SERVICE ROAD & CROSS ROAD

DRG.NO.CIPL/D1112/HW/DWG/P&P/ 001			
DATE :FEB.- 2026			REV: R0
DESIGNED	DRAWN	CHECKED	APPROVE
PM	YK	AK	SM

TO MORADABAD

TO RUDRAPUR

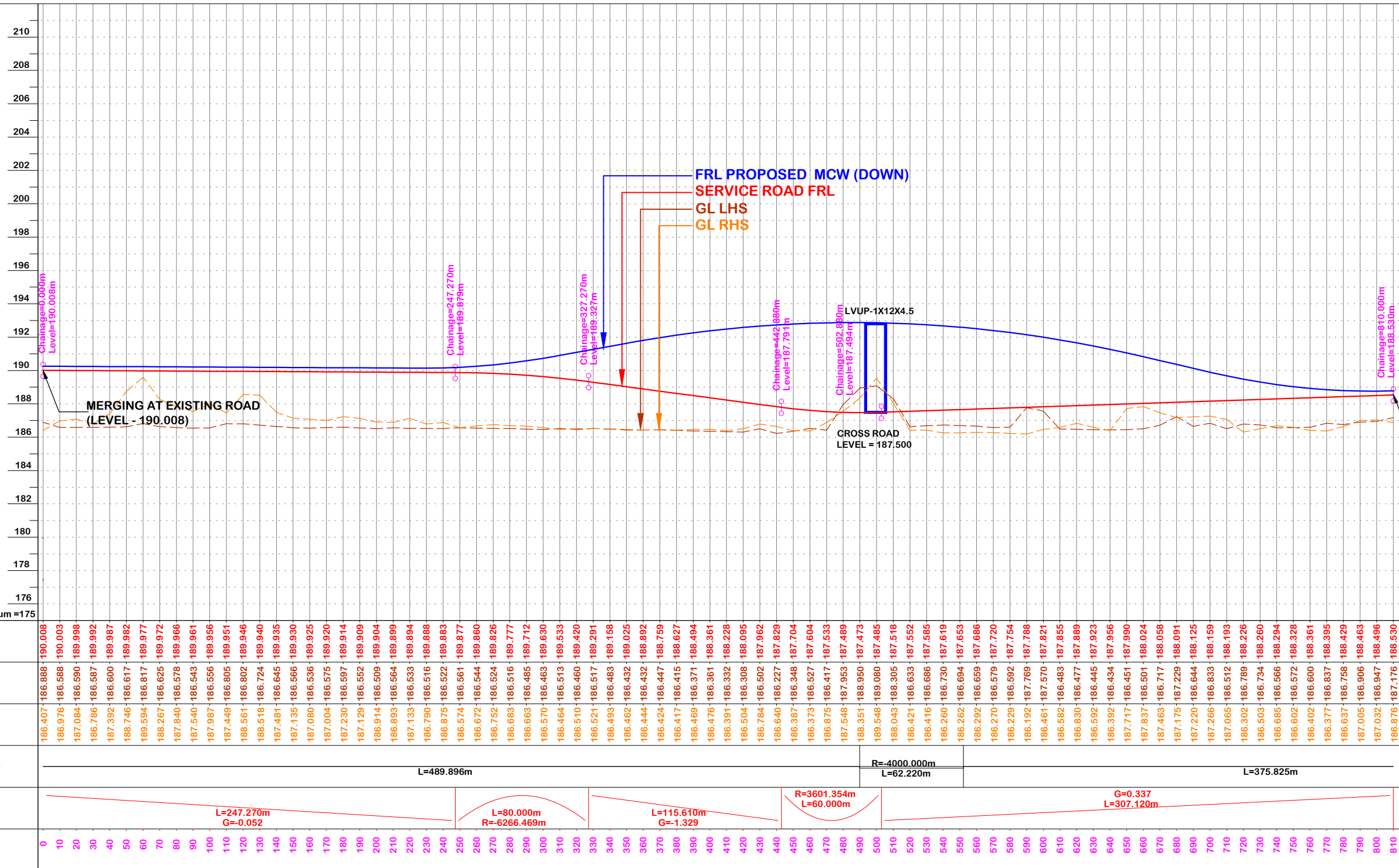
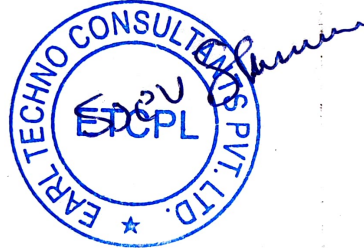


DESIGNED: FEB - 2026			DRAWN: FEB - 2026			CHECKED: FEB - 2026			APPROVED: FEB - 2026		
SUBMISSION OF PLAN & PROFILE			SUBMISSION OF PLAN & PROFILE			SUBMISSION OF PLAN & PROFILE			SUBMISSION OF PLAN & PROFILE		
DESCRIPTION			DESCRIPTION			DESCRIPTION			DESCRIPTION		
A			B			C			D		

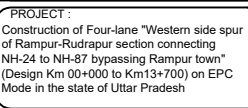
CLIENT:	AUTHORITY:	EPC CONTRACTOR:	PROOF CONSULTANT:	SAFETY CONSULTANT:	DESIGN CONSULTANT:	PROJECT:	DRAWING TITLE:	DRG.NO.CIPL/D1112/HW/DWG/P&P/ 002
NATIONAL HIGHWAYS AUTHORITY OF INDIA	ARTEFACT PROJECTS LTD.	DEV YASH PROJECTS & INFRASTRUCTURE PVT LTD	HCC HIGHRAISE CONSTRUCTION AND CONSULTANT PRIVATE LIMITED	EARL TECHNO CONSULTANTS PVT. LTD	CIVILMANTRA INFRACON PVT LTD	Construction of Four-lane "Western side spur of Rampur-Rudrapur section connecting NH-24 to NH-87 bypassing Rampur town" (Design Km 0+000 to Km13+700) on EPC Mode in the state of Uttar Pradesh	COS MCW PROFILE	DATE :FEB.- 2026
SCALE: AS SHOWN			PAPER SIZE : A3			REV: R0		
PM			YK			AK		
SM			SM			SM		

TO MORADABAD

TO RUDRAPUR



REV	DATE	DESCRIPTION	A	B	C
RD	FEB - 2026	SUBMISSION OF PLAN & PROFILE			
REV	DATE	DESCRIPTION	A	B	C

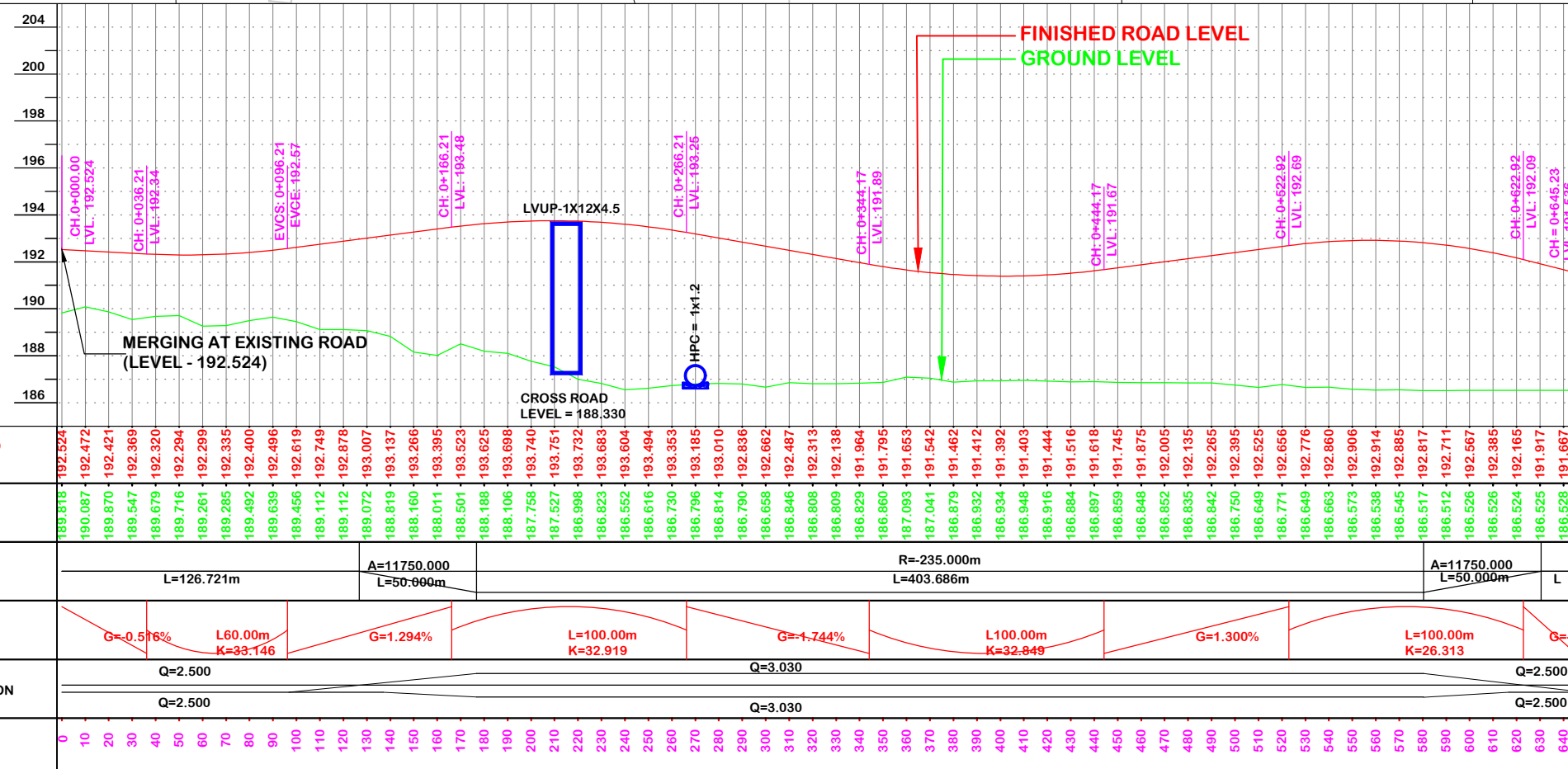
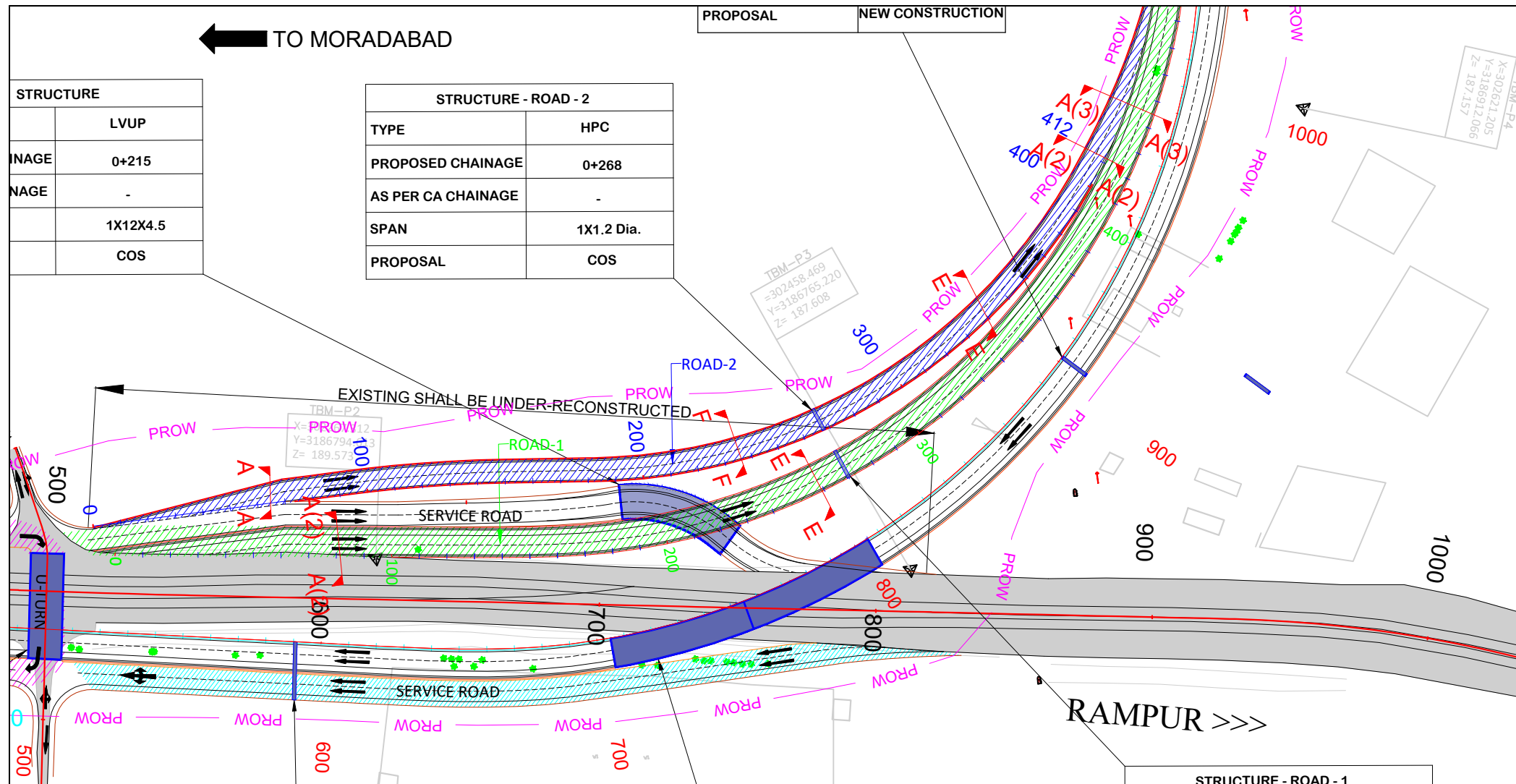


DRG.NO.CIPL/D1112/HW/DWG/P&P/ 003	REV: R0
DATE :FEB.- 2026	
DESIGNED: PM	DRAWN: YK
CHECKED: AK	APPROVED: SM



STRUCTURE	
	LVUP
NAGE	0+215
NAGE	-
	1X12X4.5
	COS

STRUCTURE - ROAD - 2	
TYPE	HPC
PROPOSED CHAINAGE	0+268
AS PER CA CHAINAGE	-
SPAN	1X1.2 Dia.
PROPOSAL	COS



MERGING AT MAIN CARRIAGEWAY
(LEVEL - 191.536)



RD	FEB.- 2026	SUBMISSION OF PLAN & PROFILE			
REV	DATE	DESCRIPTION	A	B	C

CLIENT:



NATIONAL HIGHWAYS
AUTHORITY OF INDIA

AUTHORITY :
 ARTEFACT PROJECTS LTD.

EPC CONTRACTOR :

 DEV YASH PROJECTS &
INFRASTRUCTURE PVT LTD

PROOF CONSULTANT :

 HIGHRAISE CONSTRUCTION AND
 CONSULTANT PRIVATE LIMITED

SAFETY CONSULTANT :
EARL TECHNO
CONSULTANTS PVT. LTD.
EARL TECHNO CONSULTANTS PVT. LTD.

DESIGN CONSULTANT :

CIVIL MANTRA INFRACON PVT LTD

PROJECT :
Construction of Four-lane "Western side spur
of Rampur-Rudrapur section connecting
NH-24 to NH-87 bypassing Rampur town"
(Design Km 00+000 to Km13+700) on EPC
Mode in the state of Uttar Pradesh

DRAWING TITLE :

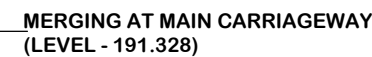
ROAD-1 PLAN & PROFILE

SCALE : AS SHOWN

PAPER SIZE : A3

DRG.NO.CIPL/D1112/HW/DWG/P&P/ 004			
DATE :FEB.- 2026			REV: R0
DESIGNED	DRAWN	CHECKED	APPROVE
PM	YK	AK	SM

TO RUDRAPUR ➡



							CLIENT:  NATIONAL HIGHWAYS AUTHORITY OF INDIA		AUTHORITY :  ARTEFACT PROJECTS LTD.		EPC CONTRACTOR :  DEV YASH PROJECTS & INFRASTRUCTURE PVT LTD		PROOF CONSULTANT :  HIGHRAISE CONSTRUCTION AND CONSULTANT PRIVATE LIMITED		SAFETY CONSULTANT :  EARL TECHNO CONSULTANTS PVT. LTD		DESIGN CONSULTANT :  CIVIL MANTRA INFRACON PVT LTD.		PROJECT : Construction of Four-lane "Western side spur of Rampur-Rudrapur section connecting NH-24 to NH-87 bypassing Rampur town" (Design Km 00+000 to Km13+700) on EPC Mode in the state of Uttar Pradesh		DRAWING TITLE : ROAD-2 PROFILE		DRG.NO.CIPL/D1112/HW/DWG/P&P/ 005 DATE :FEB.- 2026 REV: R0							
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RO	FEB.- 2026	SUBMISSION OF PLAN & PROFILE																												
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