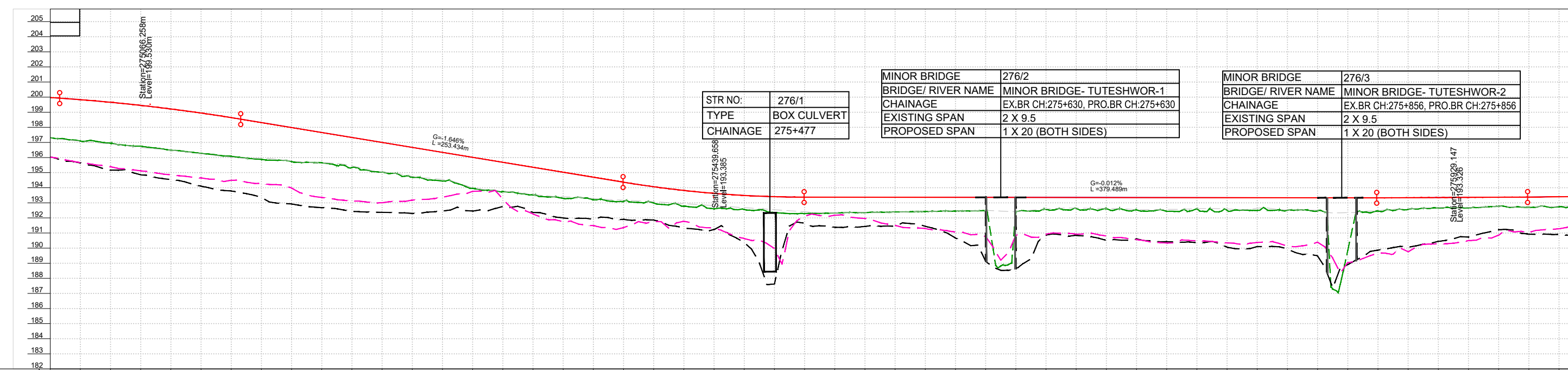
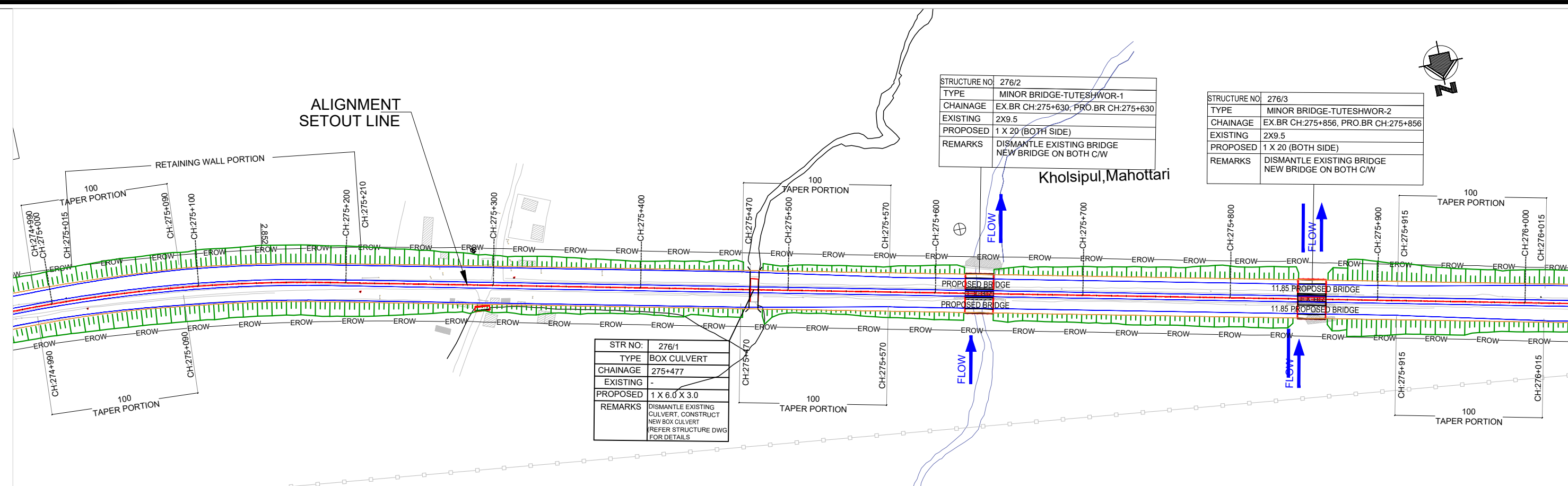


← KAMALA

PATHLAIYA ➡

[illegible]

NOTES:

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10. THE PROPOSAL FOR ALL EXISTING BRIDGES SHALL BE AS PER BRIDGE DESIGN / DRAWINGS.

LEGEND:

PROPOSED ALIGNMENT	
PROPOSED MAIN CARRIAGEWAY	
PROPOSED SERVICE ROAD	
PROPOSED CYCLE TRACK	
PROPOSED EARTHEN SHOULDER	
EXISTING CARRIAGEWAY	
EXISTING BRIDGE	
PROPOSED BRIDGE	
EXISTING RIGHT OF WAY	

— EROW —

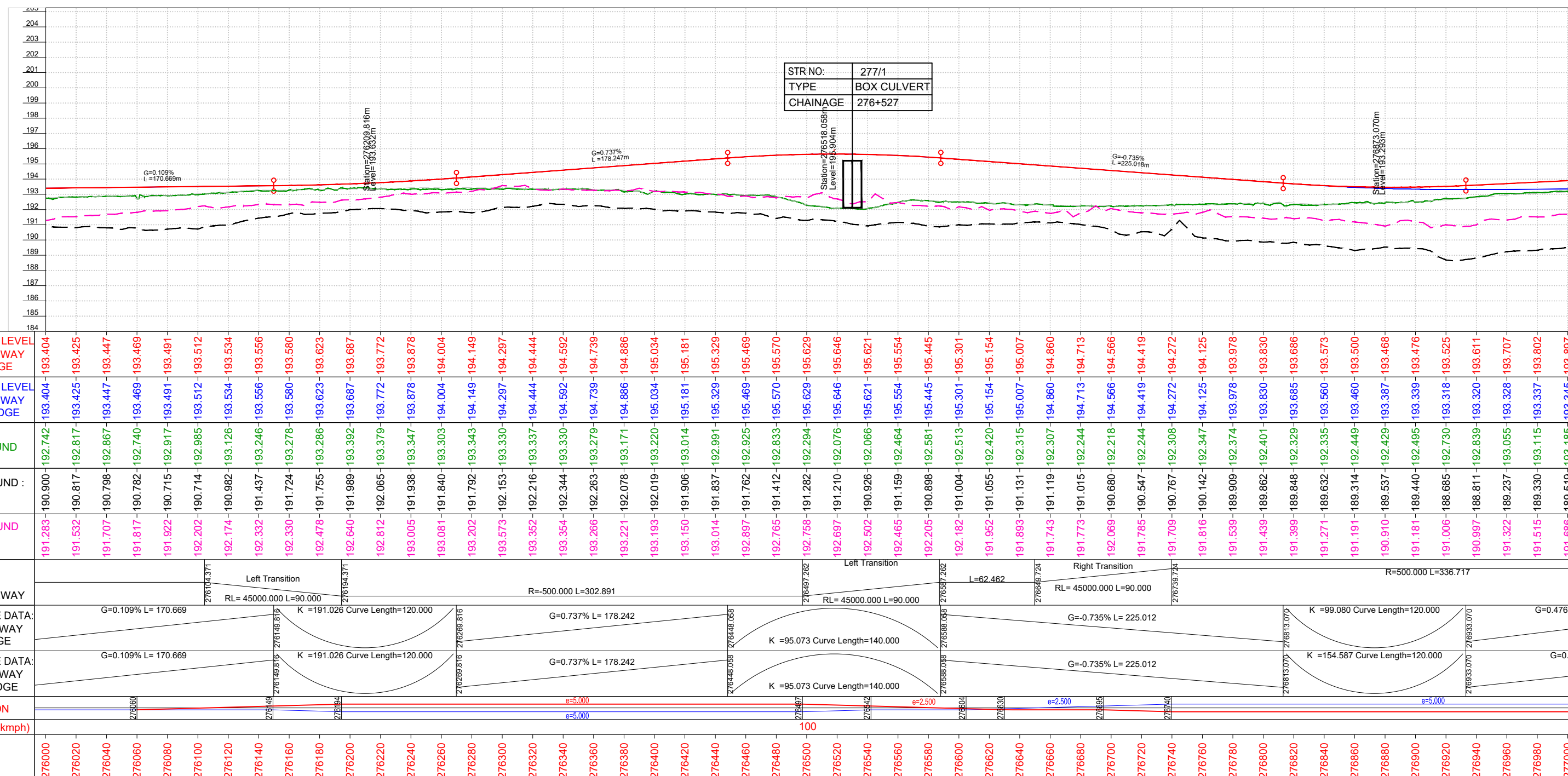
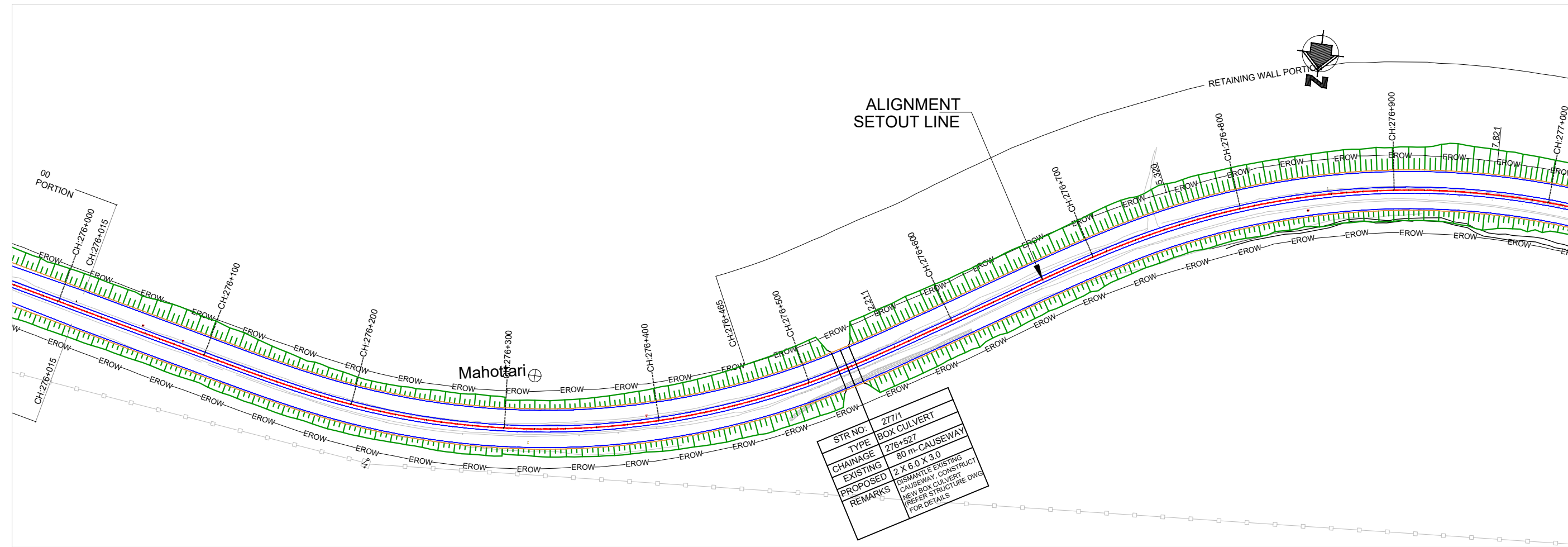
The plan view diagram shows the bridge area with the following details:

- EXISTING BRIDGE SPAN ARRANGEMENT:** Indicated by a black rectangle with horizontal lines, showing two spans of 16m each, totaling 32m.
- PROPOSED BRIDGE SPAN ARRANGEMENT:** Indicated by a red dashed rectangle, showing two spans of 16m each, totaling 32m.
- EXISTING CARRIAGEWAY:** Shown as a grey solid line.
- PROPOSED ALIGNMENT:** Shown as a red dashed line.
- PROPOSED MAIN CARRIAGEWAY:** Shown as a blue solid line.
- PROPOSED SERVICE ROAD:** Shown as a pink solid line.
- PROPOSED CYCLE TRACK:** Shown as a light blue solid line.
- PROPOSED EARTHEN SHOULDER:** Shown as an orange solid line.
- EXISTING RIGHT OF WAY (EROW):** Shown as a black solid line.

EMPLOYER	PROJECT	DESIGN CONSULTANTS		Mr. Pushkar Poudel Nec.No. 6146	Signature	Drawing Name	Scale: PLAN: 1:2500 PROFILE: HOR= 1:2500 VER= 1:250	Date: JUNE 2023	
 Government of Nepal Ministry of Physical Infrastructure and Transport Department of Roads Development Cooperation Implementation Division	Strategic Road Connectivity & Trade Improvement Project (SRCTIP) Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges	 EPTISA Servicios De Ingenieria Madrid, Spain	 STUP Consultants Private Limited Kolkatta, India	Designed By		PLAN AND PROFILE			
				Checked By	Mr. T.V.Rajeev Nec.No.		Signature		
				Approved By	Mr. Harikrishna Bhavsar Nec.No.		Signature		
In Association With Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited						Reference Drawings 1.TYPICAL HORIZONTAL CURVE & ATTAINMENT OF SUPERELEVATION DETAILS- KDP/DDR/HIGHWAY/STD/001 2.HORIZONTAL CURVE DETAILS- KDP/DDR/HIGHWAY/STD/002 TO 009 3.TYPICAL CROSS SECTIONS- KDP/DDR/HIGHWAY/TCS/ 001 TO 004 4.TYPICAL CROSS SECTION SCHEDULE- KDP/DDR/HIGHWAY/TCS/ 005 TO 007	Chainage: (km 275+000 to km 276+000)	Drawing No. KDP/DPR/HIGHWAY/PP-541 R(0) Sheet No.	

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LEGEND:

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- PROPOSED MAIN CARRIAGEWAY
- PROPOSED SERVICE ROAD
- PROPOSED CYCLE TRACK
- PROPOSED EARTHEN SHOULDER
- EXISTING CARRIAGEWAY
- EXISTING BRIDGE
- PROPOSED BRIDGE
- EXISTING RIGHT OF WAY
- EROW

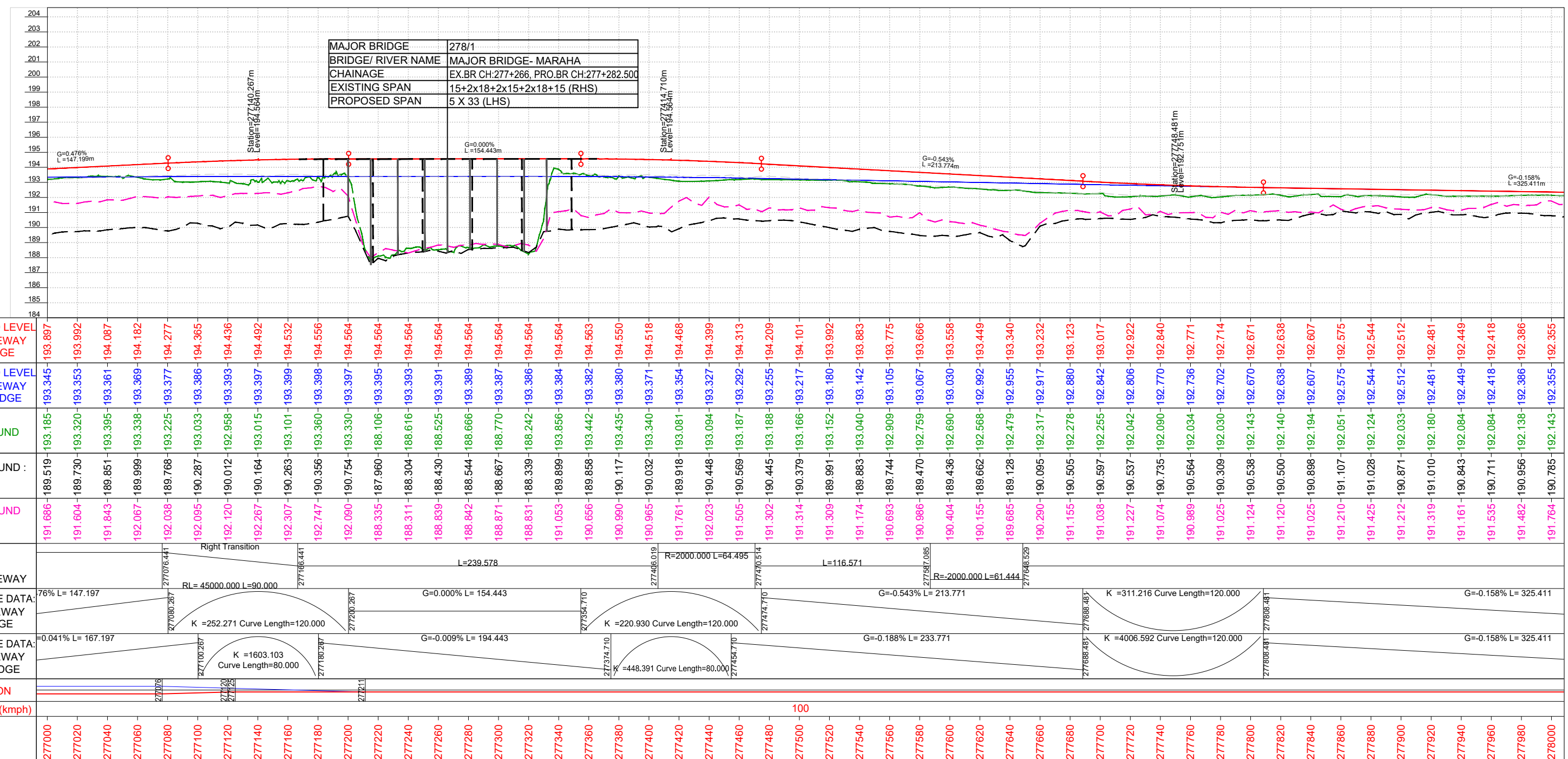
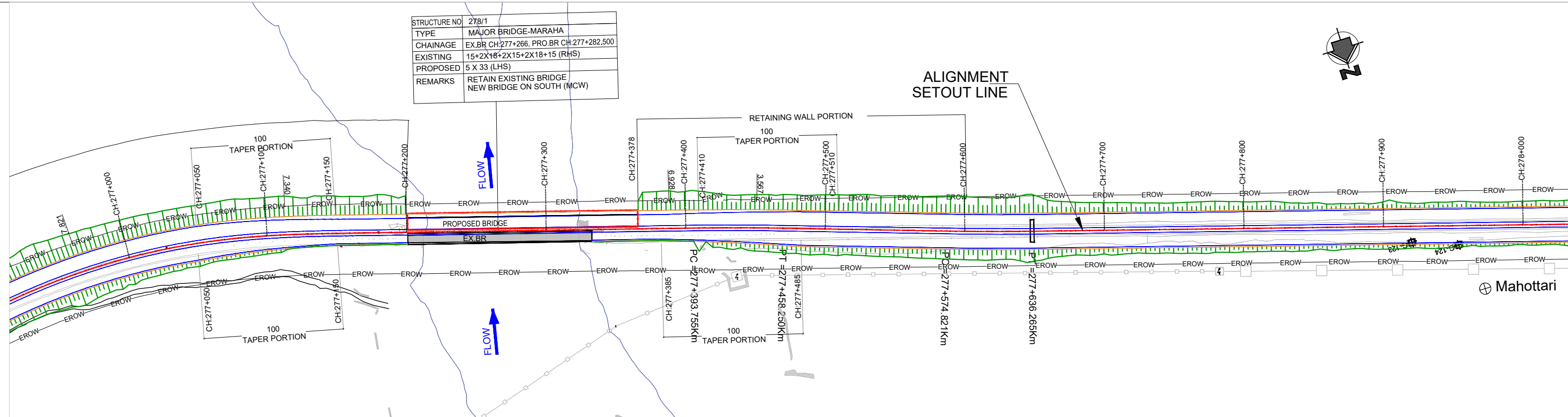
EXISTING BRIDGE SPAN ARRANGEMENT

PROPOSED BRIDGE SPAN ARRANGEMENT

EMPLOYER		PROJECT		DESIGN CONSULTANTS		Designed By		Checked By		Approved By		Drawing Name		Scale:		Date:	
 Government of Nepal Ministry of Physical Infrastructure and Transport Department of Roads Development Cooperation Implementation Division		Strategic Road Connectivity & Trade Improvement Project (SRCTIP) Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges		Joint Venture of  EPTISA Servicios De Ingenieria Madrid, Spain  STUP Consultants Private Limited Kolkata, India		Mr. Pushkar Poudel Nec.No. 6146 Signature		Mr. T.V. Rajeev Nec.No. Signature		Mr. Harikrishna Bhavsar Nec.No. Signature		PLAN AND PROFILE		Scale: PLAN: 1:2500 PROFILE: HOR= 1:2500 VER= 1:250		JUNE 2023	
				In Association With Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited								Reference Drawings 1.TYPICAL HORIZONTAL CURVE & ATTAINMENT OF SUPERELEVATION DETAILS- KDP/DDR/HIGHWAY/STD/001 2.HORIZONTAL CURVE DETAILS- KDP/DDR/HIGHWAY/STD/002 TO 009 3.TYPICAL CROSS SECTIONS- KDP/DDR/HIGHWAY/TCS/ 001 TO 004 4.TYPICAL CROSS SECTION SCHEDULE- KDP/DDR/HIGHWAY/TCS/ 005 TO 007		Chainage: (km 276+000 to km 277+000)		Drawing No. KDP/DPR/HIGHWAY/PP-542 R(0)	
																Sheet No.	

← KAMALA

PATHLAIYA →

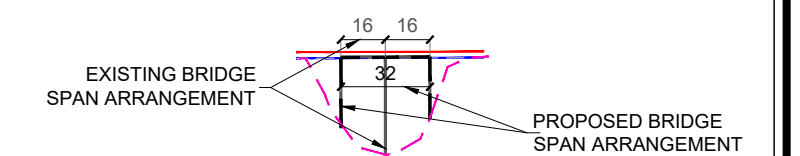


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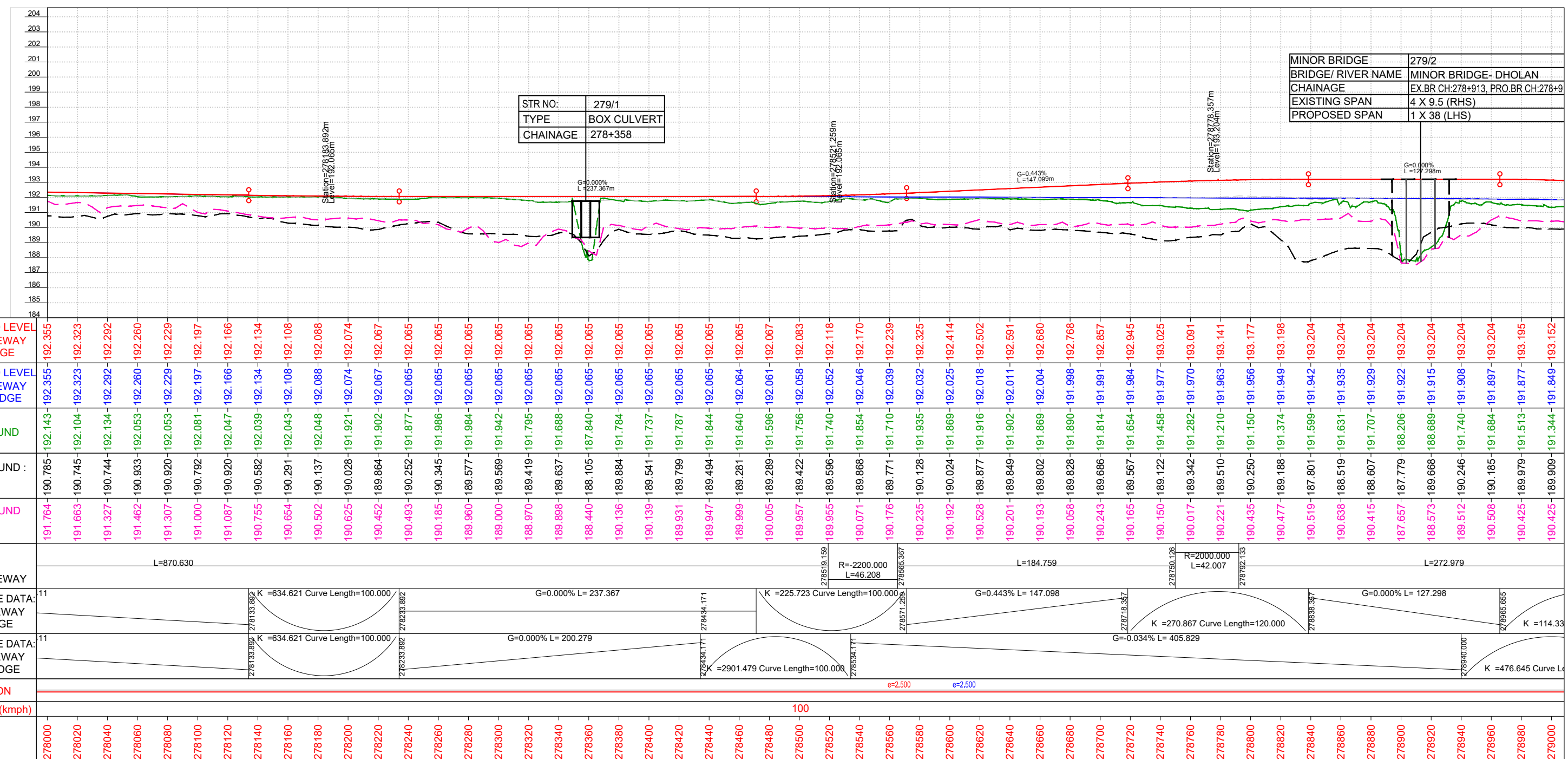
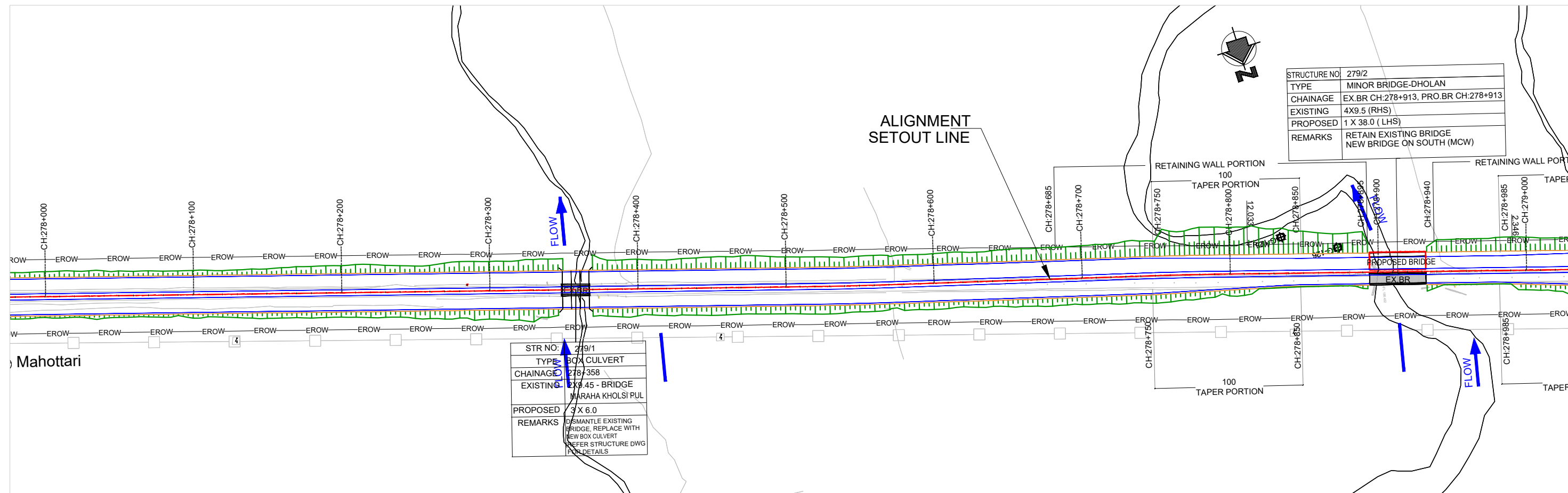
- PROPOSED ALIGNMENT
- PROPOSED MAIN CARRIAGEWAY
- PROPOSED SERVICE ROAD
- PROPOSED CYCLE TRACK
- PROPOSED EARTHEN SHOULDER
- EXISTING CARRIAGEWAY
- EXISTING BRIDGE
- PROPOSED BRIDGE
- EXISTING RIGHT OF WAY
- EROW



EMPLOYER	PROJECT	DESIGN CONSULTANTS	Designed By	Checked By	Approved By	Drawing Name	Scale:	Date:
 Government of Nepal Ministry of Physical Infrastructure and Transport Department of Roads Development Cooperation Implementation Division	Strategic Road Connectivity & Trade Improvement Project (SRCTIP) Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges	 EPTISA Servicios De Ingeniera Madrid, Spain  STUP Consultants Private Limited Kolkatta, India In Association With Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited	Mr. Pushkar Poudel Nec.No. 6146 Signature	Mr. T.V. Rajeev Nec.No. Signature	Mr. Harikrishna Bhavsar Nec.No. Signature	PLAN AND PROFILE	PLAN: 1:2500 PROFILE: HOR= 1:2500 VER= 1:250	JUNE 2023
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PATHLAIYA →



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- PROPOSED MAIN CARRIAGEWAY
- PROPOSED SERVICE ROAD
- PROPOSED CYCLE TRACK
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- EXISTING CARRIAGEWAY
- EXISTING BRIDGE
- PROPOSED BRIDGE
- EXISTING RIGHT OF WAY
- EROW

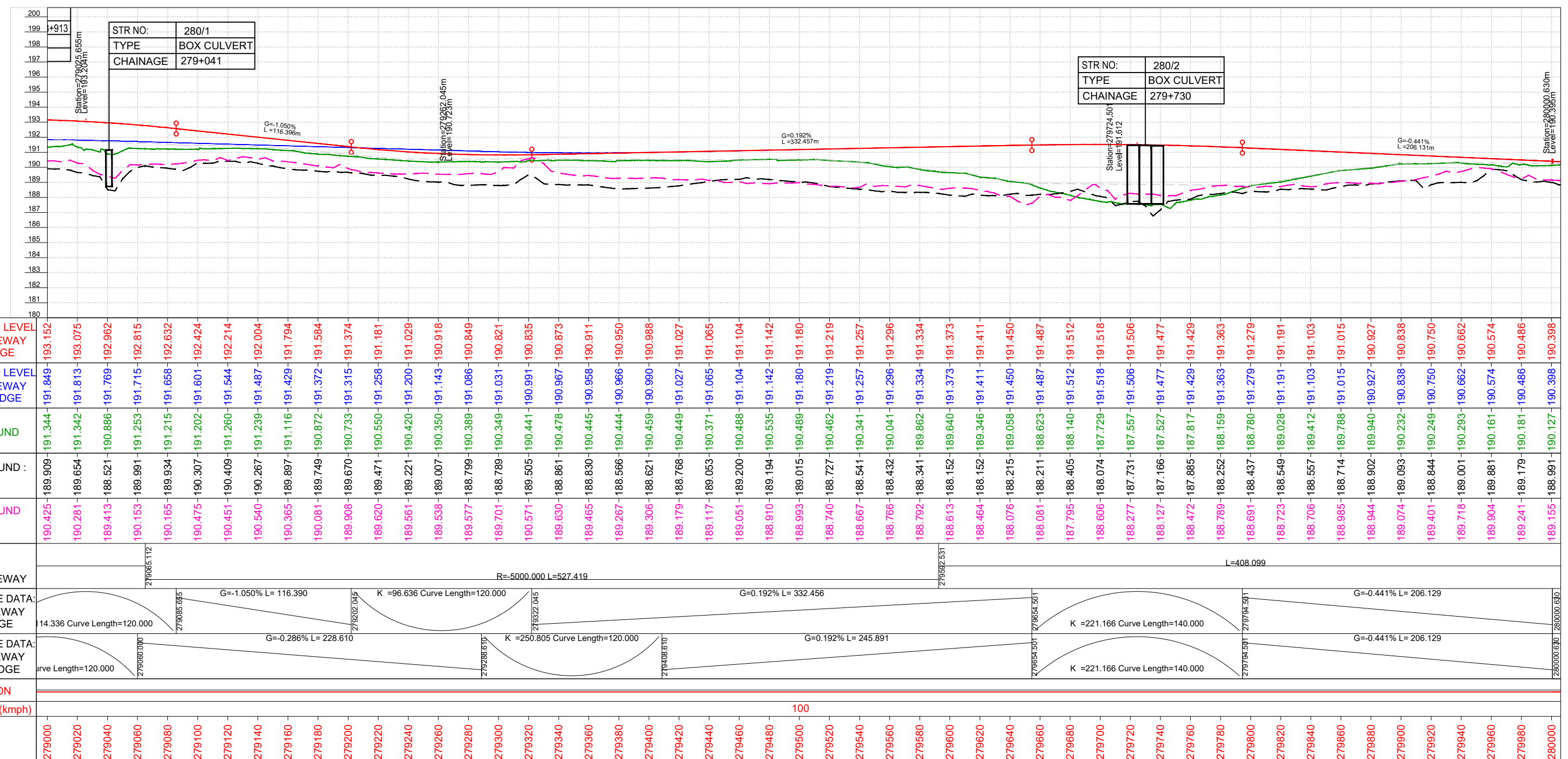
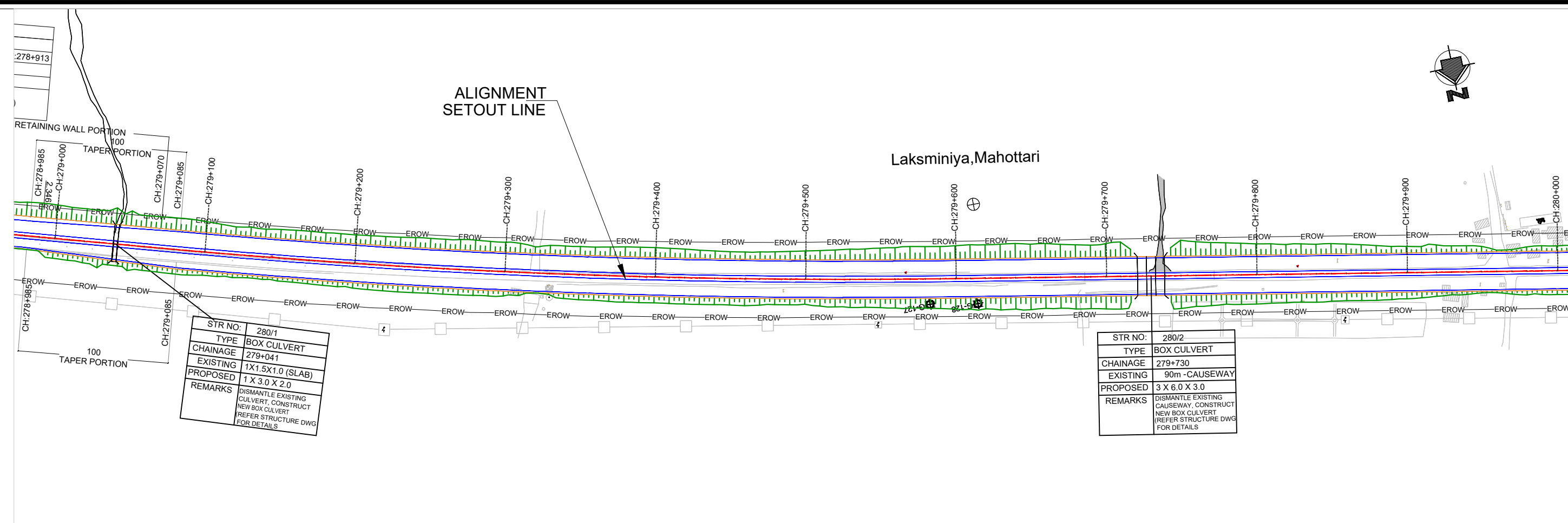
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PROPOSED BRIDGE SPAN ARRANGEMENT

EMPLOYER	PROJECT	DESIGN CONSULTANTS	Designed By	Checked By	Approved By	Drawing Name	Scale:	Date:
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KAMALA

PATHLAIYA



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PROPOSED EARTHEN SHOULDER
EXISTING CARRIAGEWAY
EXISTING BRIDGE
PROPOSED BRIDGE
EXISTING RIGHT OF WAY
- EXISTING BRIDGE SPAN ARRANGEMENT
PROPOSED BRIDGE SPAN ARRANGEMENT



Government of Nepal
Ministry of Physical Infrastructure and Transport
Department of Roads
Development Cooperation Implementation
Division

Strategic Road Connectivity & Trade Improvement Project
(SRCTIP)
Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya
Road Section (130 KM) of Mahendra Highway and Bridges

DESIGN CONSULTANTS
Joint Venture of
ep4sa EPTISA Servicios De Ingenieria
Madrid, Spain
STUP Consultants Private Limited
Kolkatta, India
In Association With
Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays
Consultant Private Limited

Designed By
Mr. Pushkar Poudel
Nec.No. 6146
Signature
Checked By
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Nec.No.
Signature
Approved By
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Nec.No.
Signature

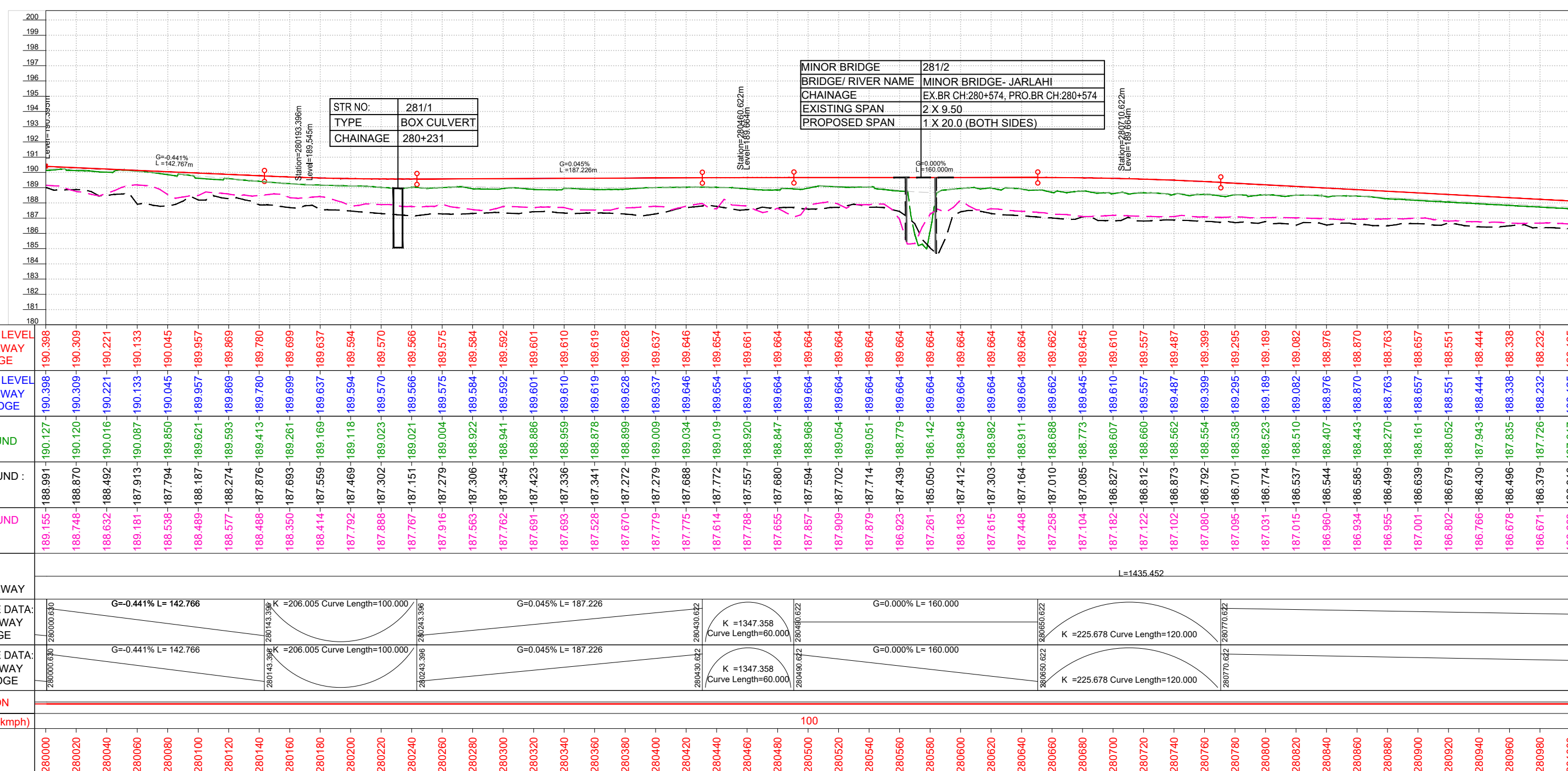
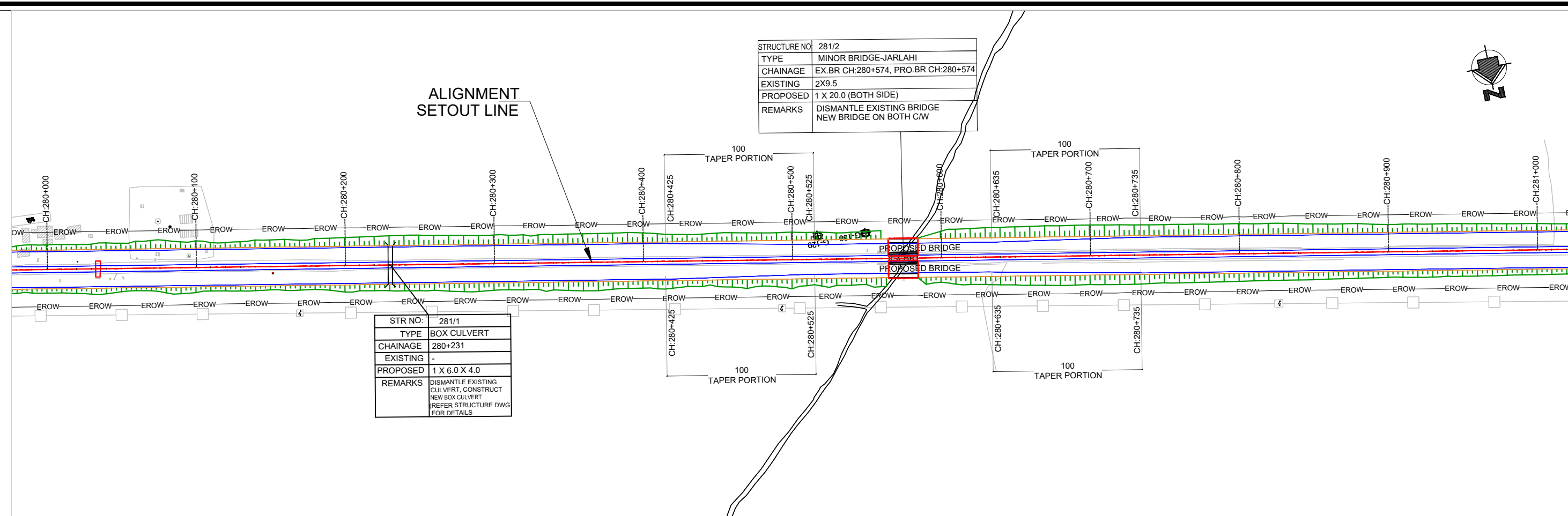
Drawing Name
PLAN AND PROFILE
Reference Drawings
1. TYPICAL HORIZONTAL CURVE & ATTAINMENT
OF SUPERELEVATION DETAILS- KDP/DDR/HIGHWAY/STD/001
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Scale:
PLAN: 1:2500
PROFILE: HOR= 1:2500
VER= 1:250
Chainage:
(km 279+000 to km 280+000)

Date:
JUNE 2023
Drawing No.
KDP/DPR/HIGHWAY/PP-545 R(0)
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LEGEND:

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PROPOSED MAIN CARRIAGEWAY

PROPOSED SERVICE ROAD

PROPOSED CYCLE TRACK

PROPOSED EARTHEN SHOULDER

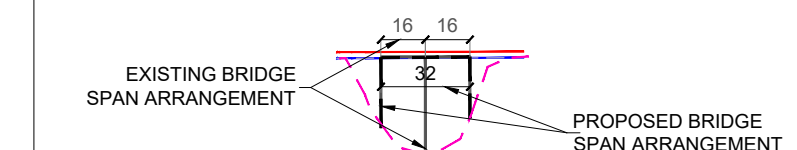
EXISTING CARRIAGEWAY

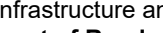
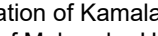
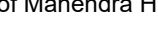
EXISTING BRIDGE

PROPOSED BRIDGE

EXISTING RIGHT OF WAY

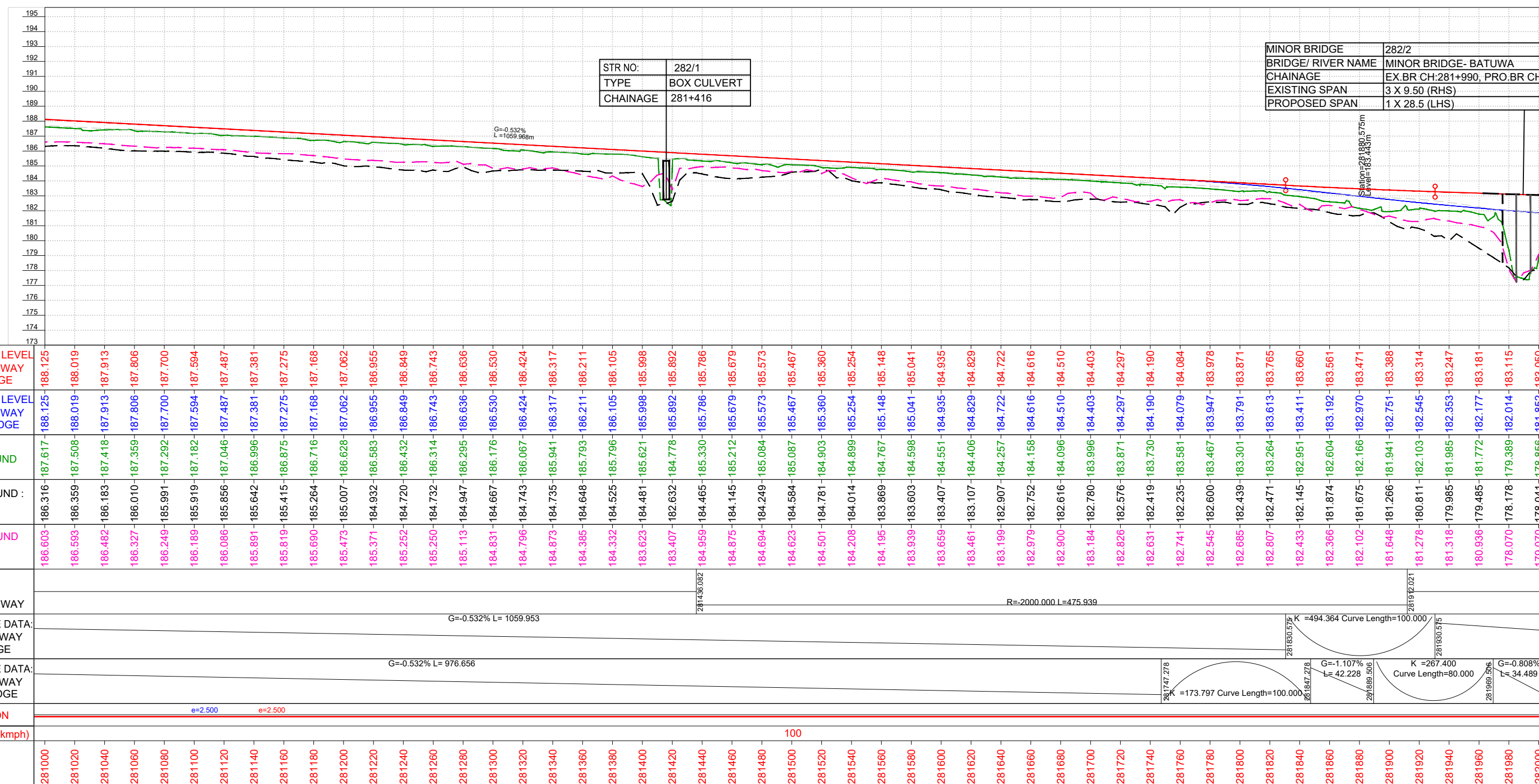
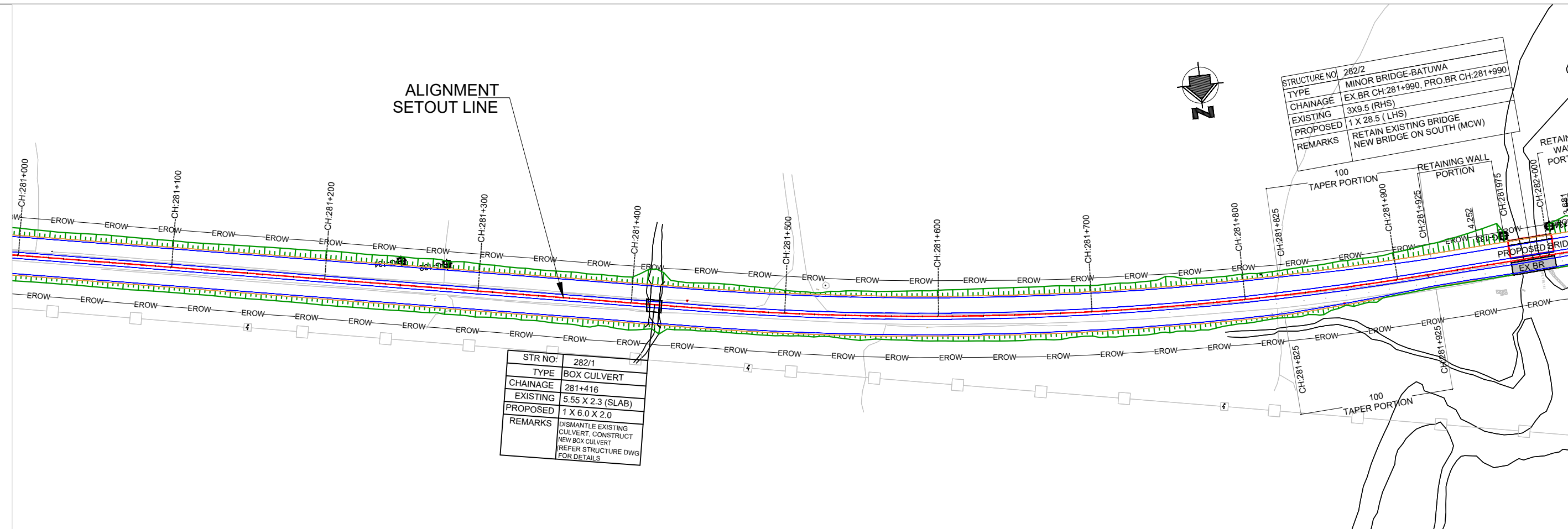
EROW



EMPLOYER	PROJECT	DESIGN CONSULTANTS			Mr. Pushkar Poudel		Drawing Name	Scale:	Date:
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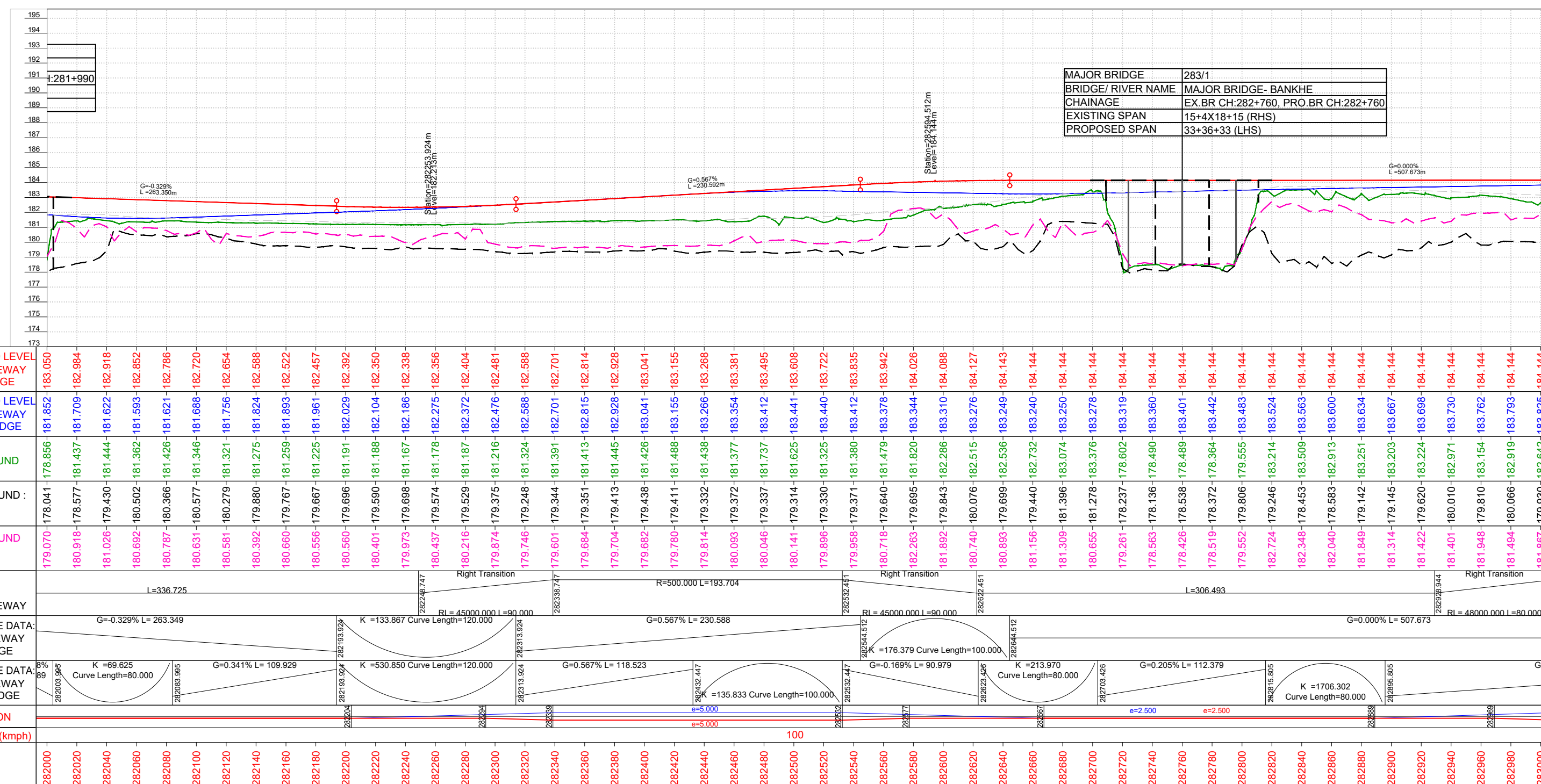
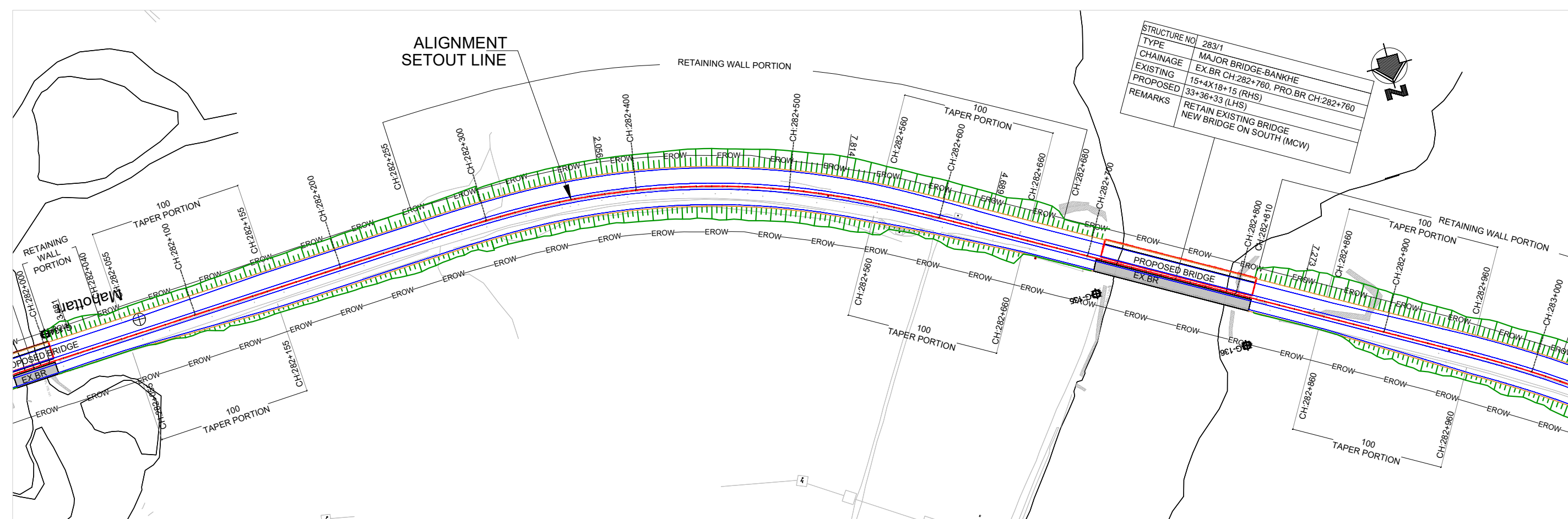
KAMALA

PATHLAIYA



← KAMALA

PATHLAIYA ➡

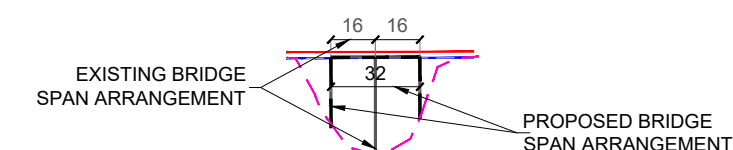


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LEGEND:

PROPOSED ALIGNMENT
PROPOSED MAIN CARRIAGEWAY
PROPOSED SERVICE ROAD
PROPOSED CYCLE TRACK
PROPOSED EARTHEN SHOULDER
EXISTING CARRIAGEWAY
EXISTING BRIDGE
PROPOSED BRIDGE
EXISTING RIGHT OF WAY



EMPLOYER

PROJECT

DESIGN CONSULTANTS

--	--

Drawing Name

PLAN AND PROFILE

Scale:

Date:

Drawing No.

Sheet No.



Government of Nepal
Ministry of Physical Infrastructure and Transport
Department of Roads
Development Cooperation Implementation
Division

Strategic Road Connectivity & Trade Improvement Project
(SRCTIP)
Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya

 EPTISA Servicios De Ingenieria Madrid, Spain	 STUP Consultants Private Limited Kolkatta, India
In Association With Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited	

Checked By	Nec.No. 6146 Mr.
Approved By	T.V.Rajeev Nec.No. Mr. Harikrishna Bhavs Nec.No.

	Signature
	 Signature
ar	 Signature

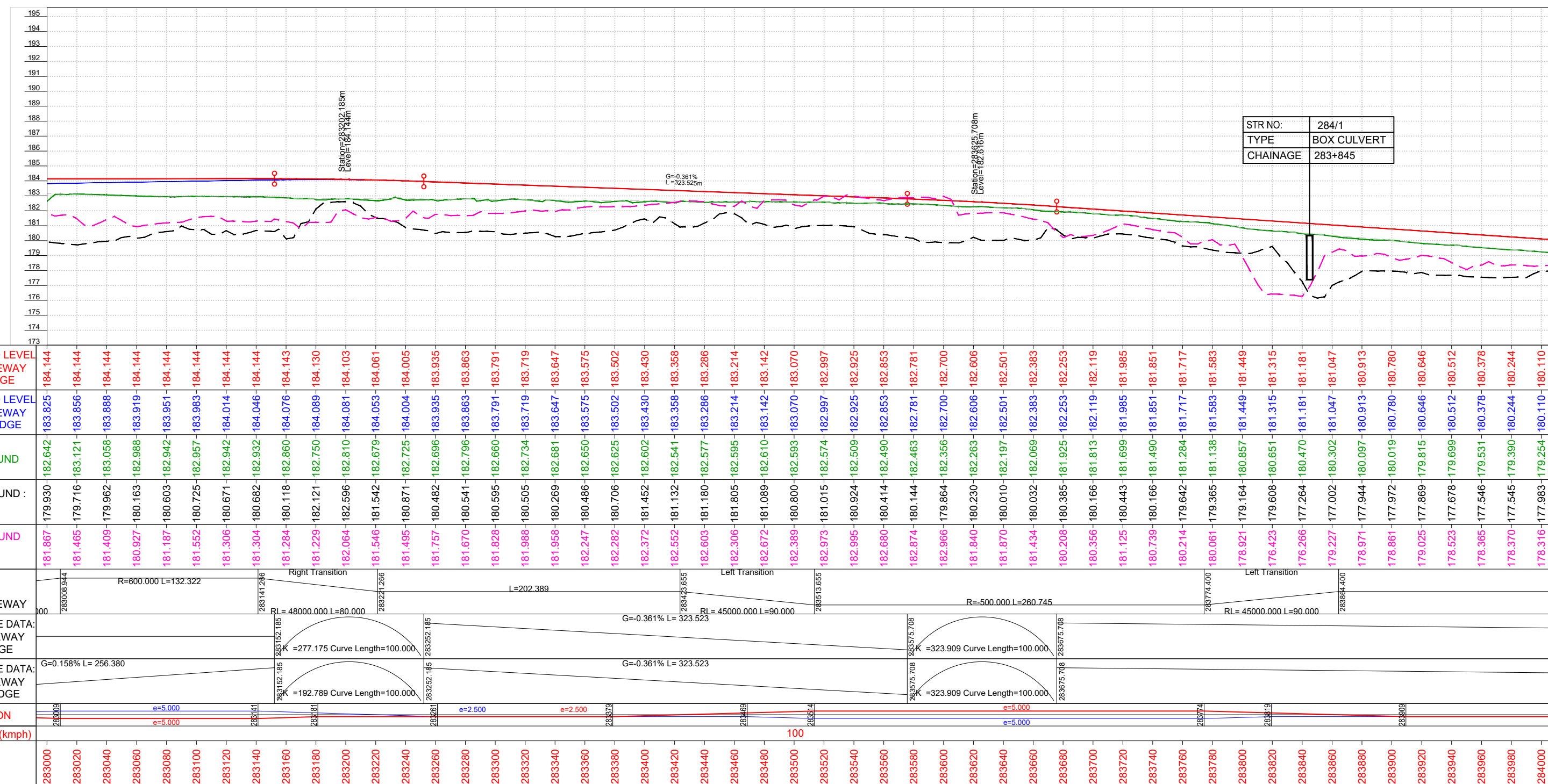
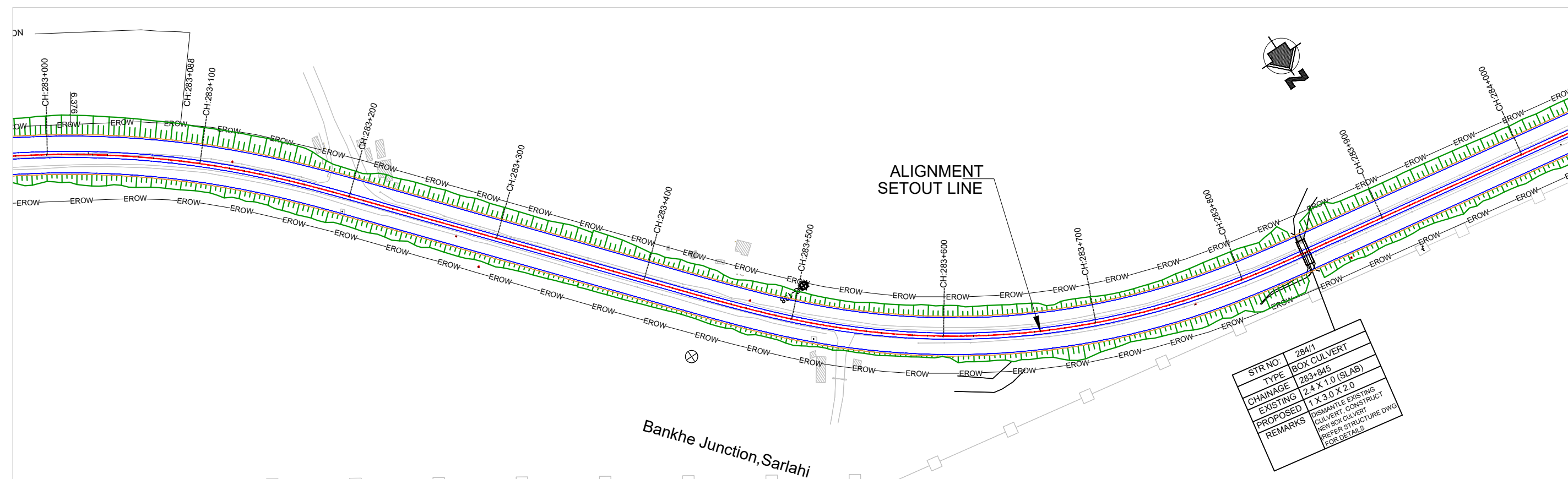
	PLAN AND PROFILE
	Reference Drawings 1.TYPICAL HORIZONTAL CURVE & ATTAINMENT OF SUPERELEVATION DETAILS- KDP/DDR/HIGHWAY/STD/001 2.HORIZONTAL CURVE DETAILS- KDP/DDR/HIGHWAY/STD/002 TO 004 3.TYPICAL CROSS SECTIONS- KDP/DDR/HIGHWAY/TCS/ 001 TO 004 4.TYPICAL CROSS SECTION SCHEDULE- KDP/DDR/HIGHWAY/TCS/ 005 TO 007

PROFILE:	HOR= 1:2500 VER= 1:250
Chainage:	

Drawing No.	KDP/DPR/HIGHWAY/PP-548 R(0)
Sheet No.	

← *KAMALA*

PATHLAIYA ➡

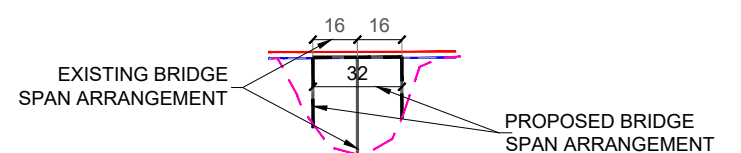


NOTES:

1. ALL DIMENSIONS, LEVELS AND CHAINAGES ARE IN METERS UNLESS OTHERWISE INDICATED.
2. HORIZONTAL GEOMETRY IS DESIGNED WITH RESPECT TO REFERENCE LINE OF ALIGNMENT AS SHOWN IN PLAN.
3. FINISHED ROAD LEVELS ARE MEASURED w.r.t KERB EDGES OF RESPECTIVE CARRIAGEWAYS.
4. SERVICE ROAD PROFILE ARE SET AS AN EXTENDED CROSS FALL OF MAIN ROAD IN ALL SECTIONS EXCEPT AT UNDERPASS SECTIONS.
5. THE RIGHT OF WAY SHOWN IN THE PLAN IS MEASURED SYMETRICALLY w.r.t EXISTING ROAD CENTRE.
6. MEDIAN OPENINGS, BUSBAYS, LAYBYES, MAJOR JUNCTION LAYOUTS ARE PROVIDED IN SEPARATE DRAWING.
7. SPAN ARRANGEMENTS SHOWN FOR BRIDGES, UNDERPASSES & CULVERTS ARE INDICATIVE. FOR DETAILS, REFER STRUCTURAL DRAWINGS.
8. EARTHWORK SLOPES SHOWN IN PLAN FOR URBAN SECTION ARE INDICATIVE AND FOR ILLUSTRATION ONLY.
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LEGEND:

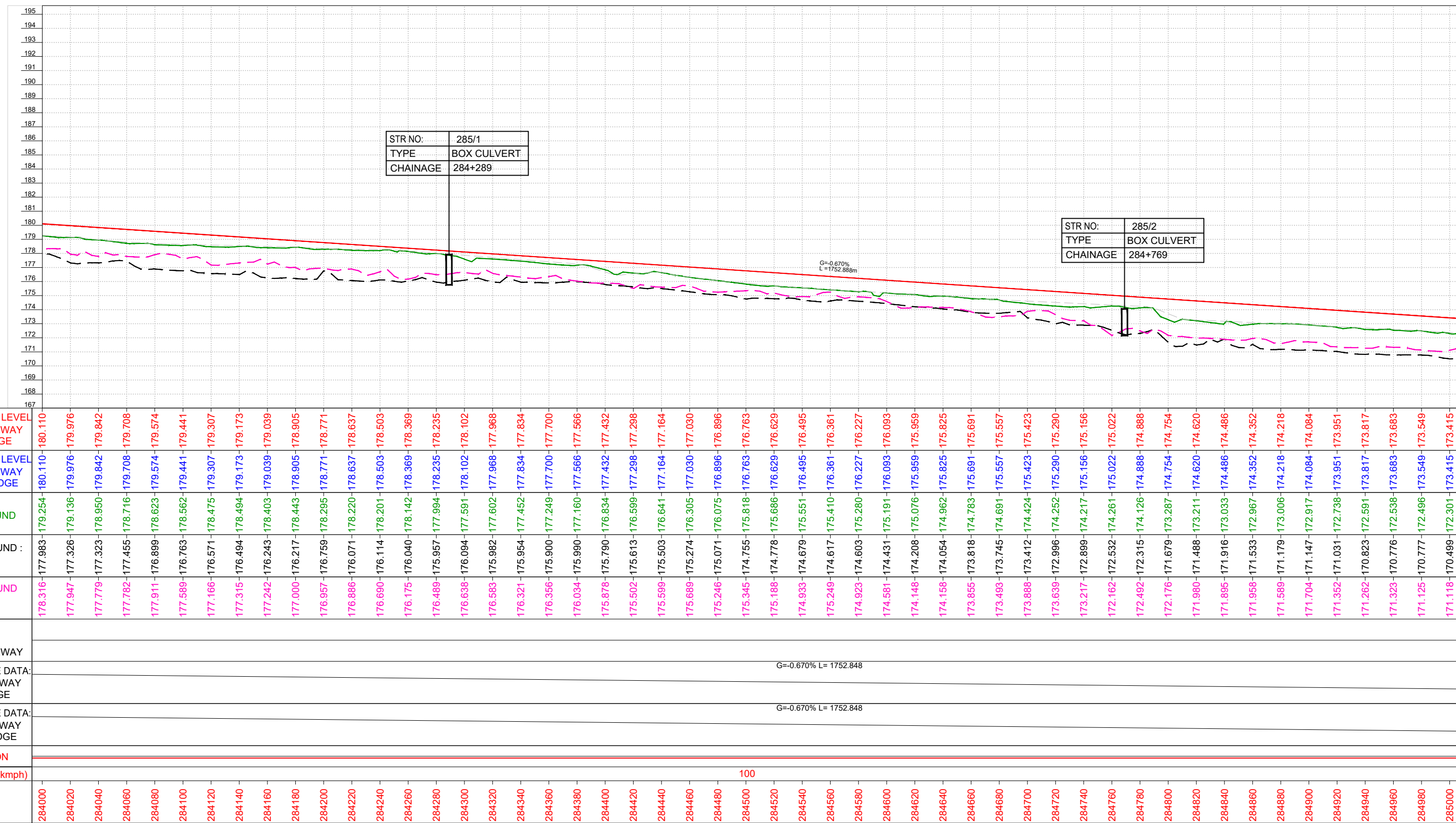
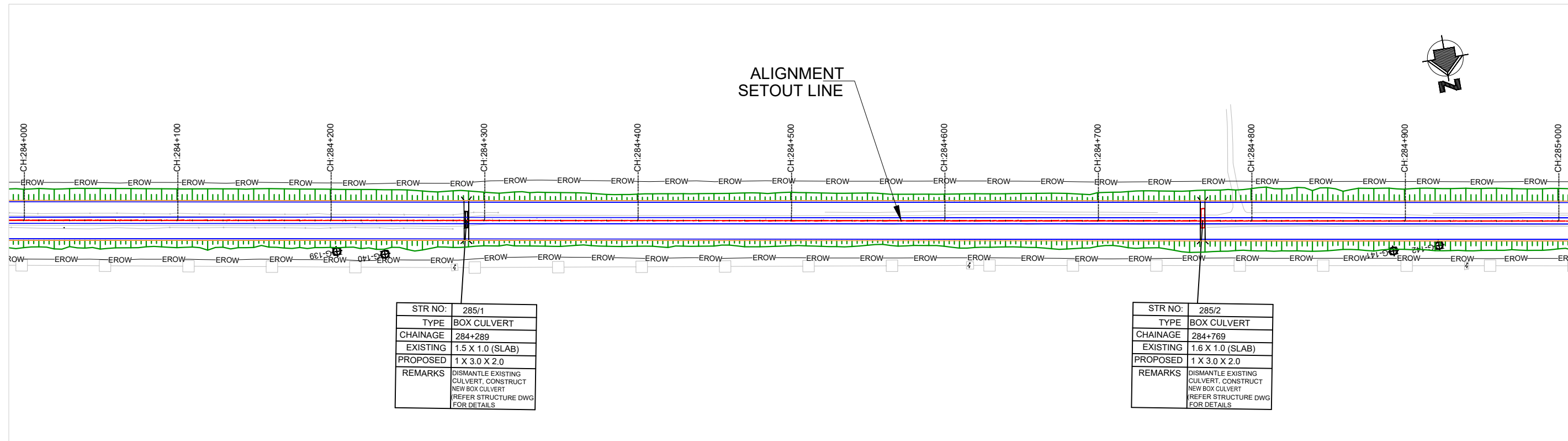
PROPOSED ALIGNMENT
PROPOSED MAIN CARRIAGEWAY
PROPOSED SERVICE ROAD
PROPOSED CYCLE TRACK
PROPOSED EARTHEN SHOULDER
EXISTING CARRIAGEWAY
EXISTING BRIDGE
PROPOSED BRIDGE
EXISTING RIGHT OF WAY



EMPLOYER		PROJECT		DESIGN CONSULTANTS		Drawing Name		Scale:	Date:
 Government of Nepal Ministry of Physical Infrastructure and Transport Department of Roads Development Cooperation Implementation Division	Strategic Road Connectivity & Trade Improvement Project (SRCTIP) Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges	Joint Venture of		Designed By	Mr. Pushkar Poudel	 Signature	PLAN AND PROFILE	PLAN: 1:2500	JUNE 2023
		 EPTISA Servicios De Ingenieria Madrid, Spain	 STUP Consultants Private Limited Kolkatta, India	Nec.No. 6146	Mr.			PROFILE: HOR= 1:2500 VER= 1:250	
		In Association With		Checked By	T.V.Rajeev	 Signature	Reference Drawings 1.TYPICAL HORIZONTAL CURVE & ATTAINMENT OF SUPERELEVATION DETAILS- KDP/DDR/HIGHWAY/STD/002/001 2.HORIZONTAL CURVE DETAILS- KDP/DDR/HIGHWAY/STD/002/002 TO 009 3.TYPICAL CROSS SECTIONS- KDP/DDR/HIGHWAY/TC/001 TO 004 4.TYPICAL CROSS SECTION SCHEDULE- KDP/DDR/HIGHWAY/TC/005 TO 007	Chainage: (km 283+000 to km 284+000)	Drawing No.
		Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited		Approved By	Mr. Harikrishna Bhavsar	 Signature			KDP/DDR/HIGHWAY/PP-549 R(0)
					Nec.No.			Sheet No.	

← KAMALA

PATHLAIYA →



NOTES:

- ALL DIMENSIONS, LEVELS AND CHAINAGES ARE IN METERS UNLESS OTHERWISE INDICATED.
- HORIZONTAL GEOMETRY IS DESIGNED WITH RESPECT TO REFERENCE LINE OF ALIGNMENT AS SHOWN IN PLAN.
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LEGEND:

- PROPOSED ALIGNMENT
- PROPOSED MAIN CARRIAGEWAY
- PROPOSED SERVICE ROAD
- PROPOSED CYCLE TRACK
- PROPOSED EARTHEN SHOULDER
- EXISTING CARRIAGEWAY
- EXISTING BRIDGE
- PROPOSED BRIDGE
- EXISTING RIGHT OF WAY

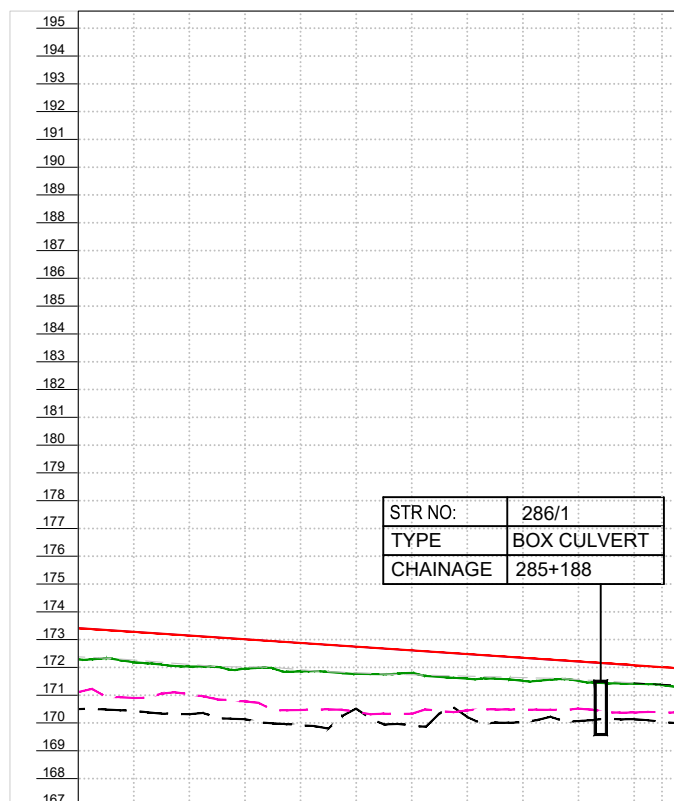
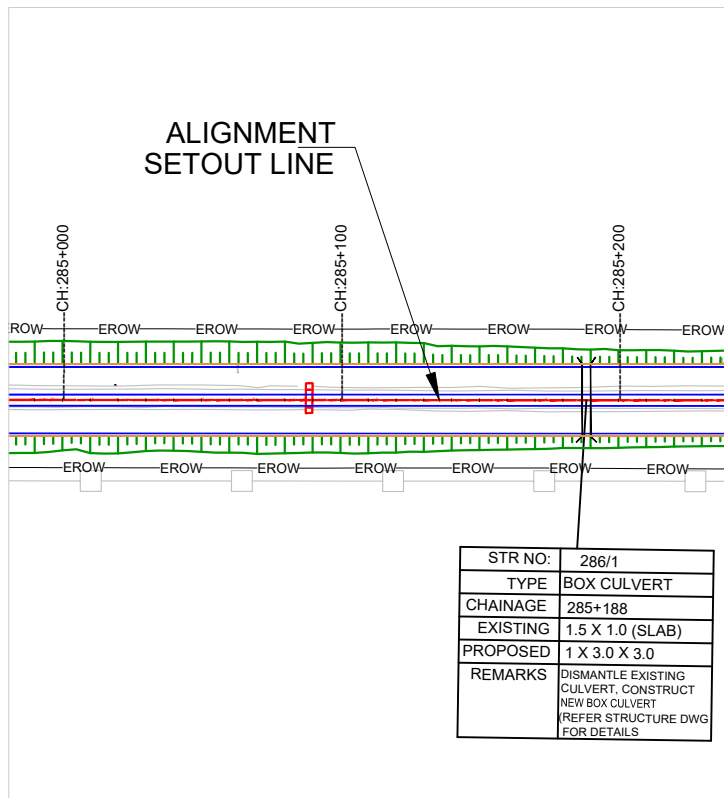
EXISTING BRIDGE SPAN ARRANGEMENT

PROPOSED BRIDGE SPAN ARRANGEMENT

 Government of Nepal Ministry of Physical Infrastructure and Transport Department of Roads Development Cooperation Implementation Division	PROJECT Strategic Road Connectivity & Trade Improvement Project (SRCTIP) Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges	DESIGN CONSULTANTS Joint Venture of  EPTISA Servicios De Ingenieria Madrid, Spain  STUP Consultants Private Limited Kolkata, India In Association With Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited		Designed By Mr. Pushkar Poudel Nec.No. 6146 Signature	Drawing Name PLAN AND PROFILE Reference Drawings 1.TYPICAL HORIZONTAL CURVE & ATTAINMENT OF SUPERELEVATION DETAILS- KDP/DDR/HIGHWAY/STD/001 2.HORIZONTAL CURVE DETAILS- KDP/DDR/HIGHWAY/STD/002 TO 009 3.TYPICAL CROSS SECTIONS- KDP/DDR/HIGHWAY/TCS/ 001 TO 004 4.TYPICAL CROSS SECTION SCHEDULE- KDP/DDR/HIGHWAY/TCS/ 005 TO 007	Scale: PLAN: 1:2500 PROFILE: HOR= 1:2500 VER= 1:250 Chainage: (km 284+000 to km 285+000)	Date: JUNE 2023 Drawing No. KDP/DPR/HIGHWAY/PP-550 R(0) Sheet No.
		Checked By Mr. T.V. Rajeev Nec.No. Signature	Approved By Mr. Harikrishna Bhavsar Nec.No. Signature				

← KAMALA

PATHLAIYA →



FINISHED ROAD LEVEL MAIN CARRIAGEWAY LEFT - KERB EDGE	173.415	173.281	173.147	173.013	172.879	172.745	172.612	172.478	172.344	172.210	172.076	172.009
FINISHED ROAD LEVEL MAIN CARRIAGEWAY RIGHT - KERB EDGE	173.415	173.281	173.147	173.013	172.879	172.745	172.612	172.478	172.344	172.210	172.076	172.009
EXISTING GROUND	172.301	172.185	172.034	171.952	171.856	171.766	171.800	171.592	171.515	171.512	171.371	171.239
EXISTING GROUND : (15 M LEFT)	170.499	170.437	170.315	170.140	169.916	170.514	169.914	170.214	170.029	170.067	170.140	170.043
EXISTING GROUND (15 M RIGHT)	171.118	170.896	171.031	170.775	170.466	170.404	170.334	170.455	170.481	170.519	170.378	170.391
HORIZONTAL CURVE DATA: MAIN CARRIAGEWAY												
VERTICAL CURVE DATA: MAIN CARRIAGEWAY LEFT - KERB EDGE												
VERTICAL CURVE DATA: MAIN CARRIAGEWAY RIGHT - KERB EDGE												
SUPERELEVATION												
DESIGN SPEED (kmph)												
CHAINAGE	285000	285020	285040	285060	285080	285100	285120	285140	285160	285180	285200	285210

NOTES:

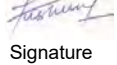
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LEGEND:

PROPOSED ALIGNMENT
PROPOSED MAIN CARRIAGEWAY
PROPOSED SERVICE ROAD
PROPOSED CYCLE TRACK
PROPOSED EARTHEN SHOULDER
EXISTING CARRIAGEWAY
EXISTING BRIDGE
PROPOSED BRIDGE
EXISTING RIGHT OF WAY

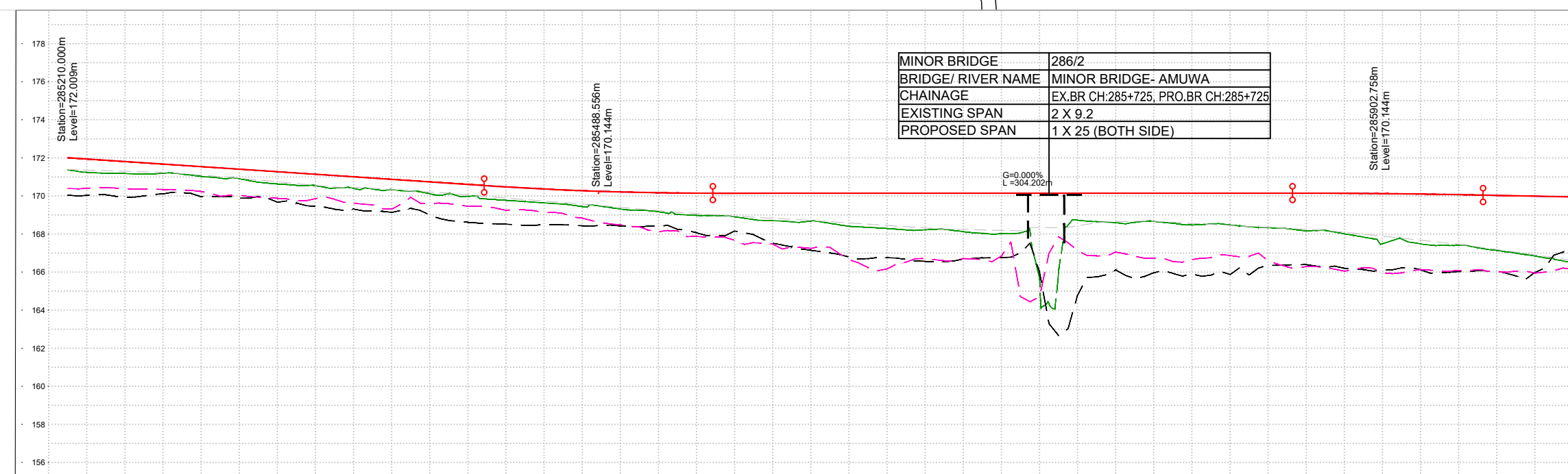
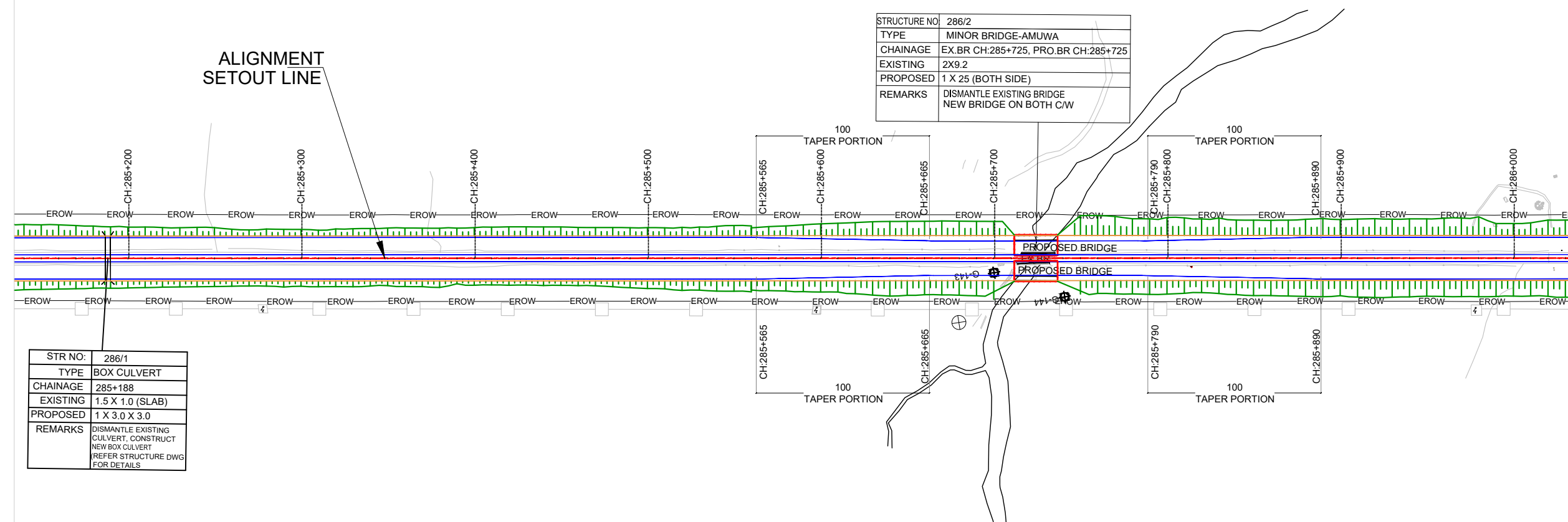
EXISTING BRIDGE
SPAN ARRANGEMENT

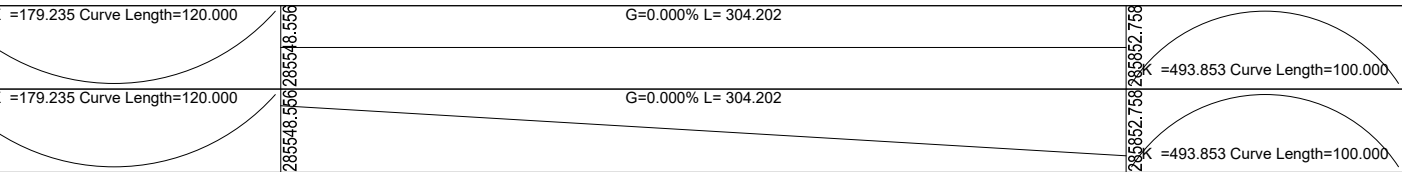
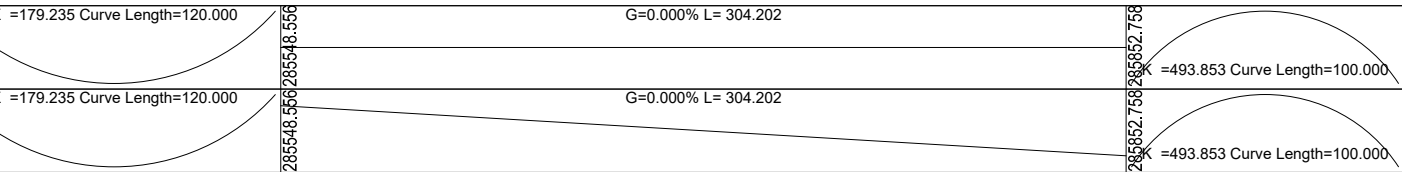
PROPOSED BRIDGE
SPAN ARRANGEMENT

EMPLOYER		PROJECT		DESIGN CONSULTANTS		Designed By Mr. Pushkar Poudel Nec.No. 6146  Signature	Drawing Name PLAN AND PROFILE	Scale: PLAN: 1:2500 PROFILE: HOR= 1:2500 VER= 1:250 Chainage: (km 285+000 to km 285+210)	Date: JUNE 2023			
 Government of Nepal Ministry of Physical Infrastructure and Transport Department of Roads Development Cooperation Implementation Division	Strategic Road Connectivity & Trade Improvement Project (SRCTIP) Detailed Design of Upgradation of Mahamala-Dhalekebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges	Joint Venture of		Checked By Mr. T.V.Rajeev Nec.No.  Signature	Approved By Mr. Harikrishna Bhavsar Nec.No.  Signature					Reference Drawings 1.TYPICAL HORIZONTAL CURVE & ATTAINMENT OF SUPERELEVATION DETAILS- KDP/DDR/HIGHWAY/STD/001 2.HORIZONTAL CURVE DETAILS- KDP/DDR/HIGHWAY/STD/002 TO 009 3.TYPICAL CROSS SECTIONS- KDP/DDR/HIGHWAY/TCS/ 001 TO 004 4.TYPICAL CROSS SECTION SCHEDULE- KDP/DDR/HIGHWAY/TCS/ 005 TO 007	Drawing No. KDP/DPR/HIGHWAY/PP-551 R(0)	Sheet No.
		 EPTISA Servicios De Ingenieria Madrid, Spain	 STUP Consultants Private Limited Kolkatta, India									
		In Association With Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited										

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FINISHED ROAD LEVEL MAIN CARRIAGEWAY LEFT - KERB EDGE		FINISHED ROAD LEVEL MAIN CARRIAGEWAY RIGHT - KERB EDGE		EXISTING GROUND		EXISTING GROUND : (15 M LEFT)		EXISTING GROUND (15 M RIGHT)		HORIZONTAL CURVE DATA: MAIN CARRIAGEWAY		VERTICAL CURVE DATA: MAIN CARRIAGEWAY LEFT - KERB EDGE		VERTICAL CURVE DATA: MAIN CARRIAGEWAY RIGHT - KERB EDGE		SUPERELEVATION		DESIGN SPEED(kmph)		CHAINAGE	
												G=-0.670% L= 1752.848		G=-0.670% L= 1752.848				100			
																					

- ## NOTES:
1. ALL DIMENSIONS, LEVELS AND CHAINAGES ARE IN METERS UNLESS OTHERWISE INDICATED.
 2. HORIZONTAL GEOMETRY IS DESIGNED WITH RESPECT TO REFERENCE LINE OF ALIGNMENT AS SHOWN IN PLAN.
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LEGEND:

PROPOSED ALIGNMENT

PROPOSED MAIN CARRIAGEWAY

PROPOSED SERVICE ROAD

PROPOSED CYCLE TRACK

PROPOSED EARTHEN SHOULDER

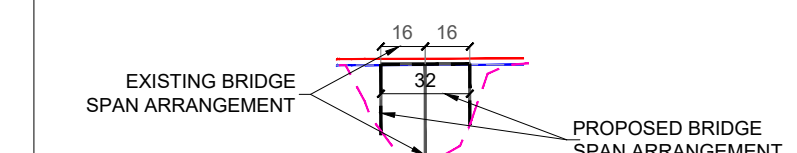
EXISTING CARRIAGEWAY

EXISTING BRIDGE

PROPOSED BRIDGE

EXISTING RIGHT OF WAY

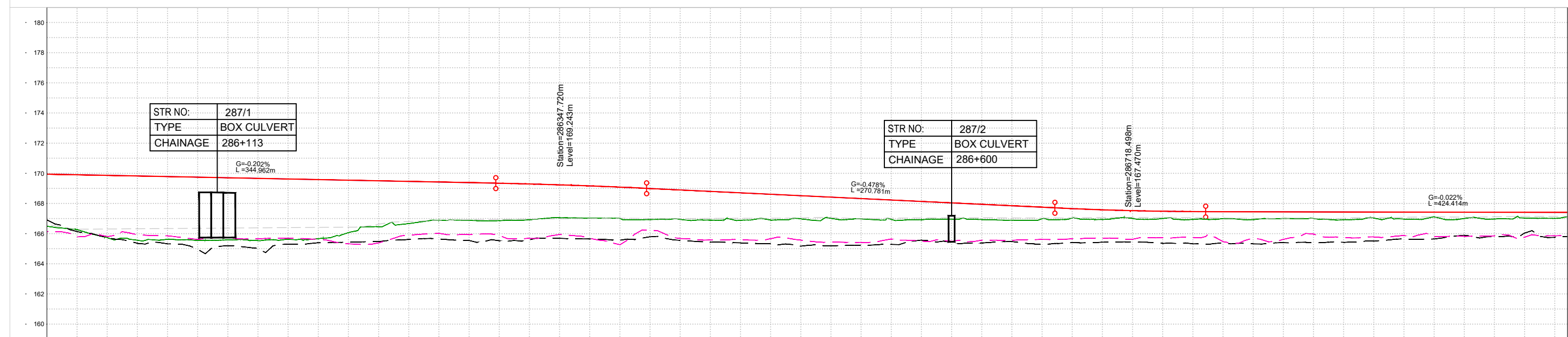
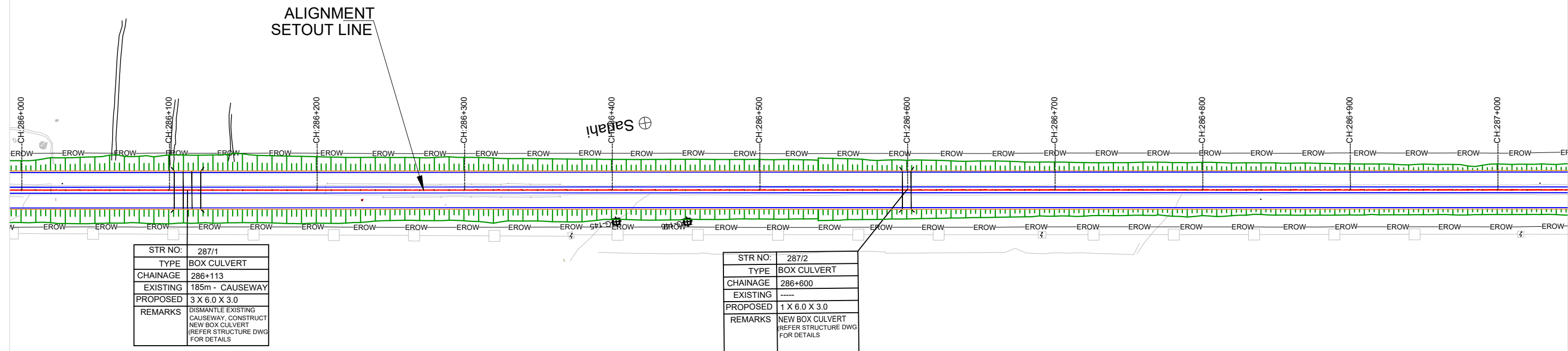
EROW



EMPLOYER	PROJECT	DESIGN CONSULTANTS	Mr. Pushkar Poudel	Drawing Name	Scale:	Date:	
 Government of Nepal Ministry of Physical Infrastructure and Transport Department of Roads Development Cooperation Implementation Division	Strategic Road Connectivity & Trade Improvement Project (SRCTIP) Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges	Joint Venture of  EPTISA Servicios De Ingenieria Madrid, Spain  STUP Consultants Private Limited Kolkatta, India	Designed By Nec.No. 6146 Signature 	PLAN AND PROFILE	PLAN: 1:2500	JUNE 2023	
		Checked By Mr. T.V. Rajeev Nec.No. Signature 	Reference Drawings 1.TYPICAL HORIZONTAL CURVE & ATTAINMENT OF SUPERELEVATION DETAILS- KDP/DDR/HIGHWAY/STD/001 2.HORIZONTAL CURVE DETAILS- KDP/DDR/HIGHWAY/STD/002 TO 009 3.TYPICAL CROSS SECTIONS- KDP/DDR/HIGHWAY/TCS/ 001 TO 004 4.TYPICAL CROSS SECTION SCHEDULE- KDP/DDR/HIGHWAY/TCS/ 005 TO 007		Chainage: (km 285+210 to km 286+000)		Drawing No. KDP/DPR/HIGHWAY/PP-552 R(0)
		Approved By Mr. Hanrikrishna Bhavsar Nec.No. Signature 	In Association With Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited		Sheet No.		

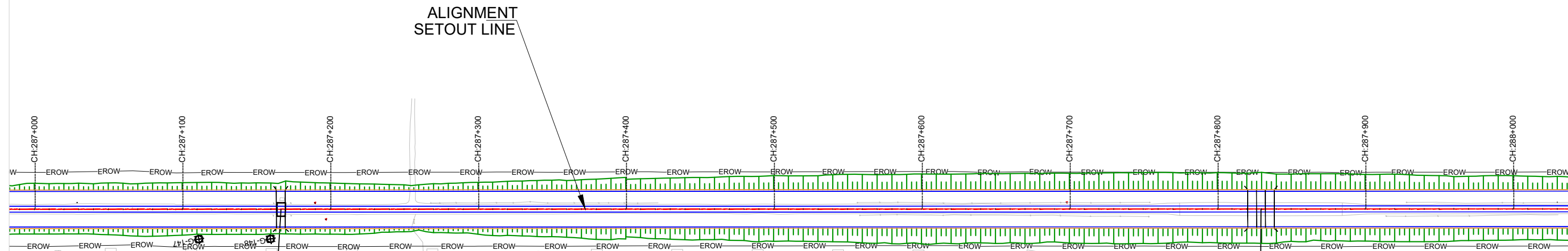
KAMALA

PATHLAIYA



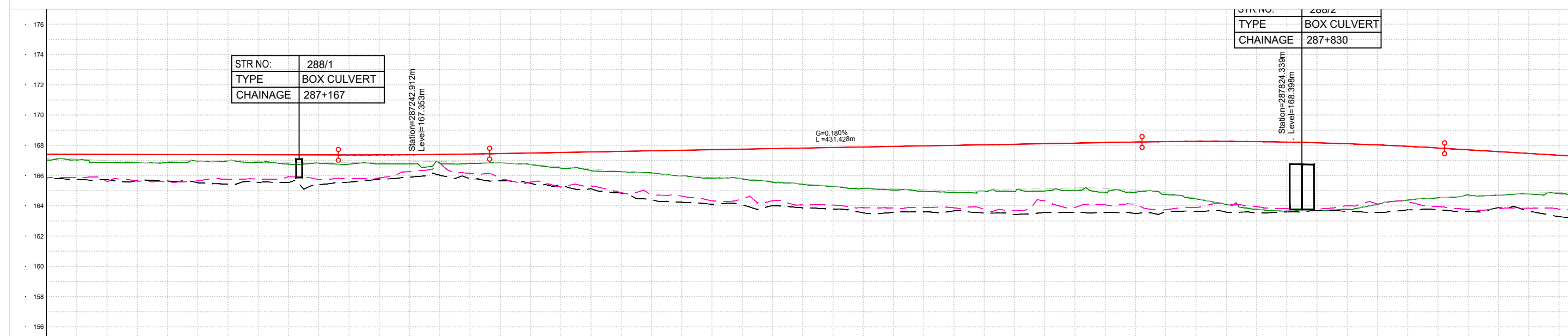
FINISHED ROAD LEVEL MAIN CARRIAGEWAY LEFT - KERB EDGE	169.947	169.947	169.907	169.866	169.826	169.785	169.745	169.704	169.664	169.623	169.583	169.542	169.502	169.461	169.421	169.380	169.340	169.299	169.259	169.218	169.178	169.137	169.097	169.056	169.016	168.975	168.935	168.894	168.854	168.813	168.773	168.732	168.692	168.651	168.611	168.570	168.530	168.489	168.449	168.408	168.368	168.327	168.287	168.246	168.206	168.165	168.125	168.084	168.044	168.003	167.963	167.922	167.882	167.841	167.801	167.760	167.720	167.679	167.639	167.598	167.558	167.517	167.477	167.436	167.396	167.355	167.315	167.274	167.234	167.193	167.153	167.112	167.072	167.031	166.991	166.950	166.910	166.869	166.829	166.788	166.748	166.707	166.667	166.626	166.586	166.545	166.505	166.464	166.424	166.383	166.343	166.302	166.262	166.221	166.181	166.140	166.100	166.059	166.019	165.978	165.938	165.897	165.857	165.816	165.776	165.735	165.695	165.654	165.614	165.573	165.533	165.492	165.452	165.411	165.371	165.330	165.290	165.249	165.209	165.168	165.128	165.087	165.047	165.006	164.966	164.925	164.885	164.845	164.804	164.764	164.723	164.683	164.642	164.602	164.561	164.521	164.480	164.440	164.399	164.359	164.318	164.278	164.237	164.197	164.156	164.116	164.075	164.035	163.994	163.954	163.913	163.873	163.832	163.792	163.751	163.711	163.670	163.630	163.589	163.549	163.508	163.468	163.427	163.387	163.346	163.306	163.265	163.225	163.184	163.144	163.103	163.063	163.022	162.982	162.941	162.901	162.860	162.820	162.779	162.739	162.698	162.658	162.617	162.577	162.536	162.496	162.455	162.415	162.374	162.334	162.293	162.253	162.212	162.172	162.131	162.091	162.050	162.010	161.969	161.928	161.888	161.847	161.807	161.766	161.726	161.685	161.645	161.604	161.564	161.523	161.483	161.442	161.402	161.361	161.321	161.280	161.240	161.199	161.159	161.118	161.078	161.037	160.997	160.956	160.916	160.875	160.835	160.794	160.754	160.713	160.673	160.632	160.592	160.551	160.511	160.470	160.430	160.389	160.349	160.308	160.268	160.227	160.187	160.146	160.106	160.065	160.025	160.000																																																																																																																																																															
FINISHED ROAD LEVEL MAIN CARRIAGEWAY RIGHT - KERB EDGE	169.947	169.947	169.907	169.866	169.826	169.785	169.745	169.704	169.664	169.623	169.583	169.542	169.502	169.461	169.421	169.380	169.340	169.299	169.259	169.218	169.178	169.137	169.097	169.056	169.016	168.975	168.935	168.894	168.854	168.813	168.773	168.732	168.692	168.651	168.611	168.570	168.530	168.489	168.449	168.408	168.368	168.327	168.287	168.246	168.206	168.165	168.125	168.084	168.044	168.003	167.963	167.922	167.882	167.841	167.801	167.760	167.720	167.679	167.639	167.598	167.558	167.517	167.477	167.436	167.396	167.355	167.315	167.274	167.234	167.193	167.153	167.112	167.072	167.031	166.991	166.950	166.910	166.869	166.829	166.788	166.748	166.707	166.667	166.626	166.586	166.545	166.505	166.464	166.424	166.383	166.343	166.302	166.262	166.221	166.181	166.140	166.100	166.059	166.019	165.978	165.938	165.897	165.857	165.816	165.776	165.735	165.695	165.654	165.614	165.573	165.533	165.492	165.452	165.411	165.371	165.330	165.290	165.249	165.209	165.168	165.128	165.087	165.047	165.006	164.966	164.925	164.885	164.845	164.804	164.764	164.723	164.683	164.642	164.602	164.561	164.521	164.480	164.440	164.399	164.359	164.318	164.278	164.237	164.197	164.156	164.116	164.075	164.035	163.994	163.954	163.913	163.873	163.832	163.792	163.751	163.711	163.670	163.630	163.589	163.549	163.508	163.468	163.427	163.387	163.346	163.306	163.265	163.225	163.184	163.144	163.103	163.063	163.022	162.982	162.941	162.901	162.860	162.820	162.779	162.739	162.698	162.658	162.617	162.577	162.536	162.496	162.455	162.415	162.374	162.334	162.293	162.253	162.212	162.172	162.131	162.091	162.050	162.010	161.969	161.928	161.888	161.847	161.807	161.766	161.726	161.685	161.645	161.604	161.564	161.523	161.483	161.442	161.402	161.361	161.321	161.280	161.240	161.199	161.159	161.118	161.078	161.037	160.997	160.956	160.916	160.875	160.835	160.794	160.754	160.713	160.673	160.632	160.592	160.551	160.511	160.470	160.430	160.389	160.349	160.308	160.268	160.227	160.187	160.146	160.106	160.065	160.025	160.000																																																																																																																																																															
EXISTING GROUND	166.495	166.495	166.454	166.413	166.372	166.331	166.290	166.249	166.208	166.167	166.126	166.085	166.044	166.003	165.962	165.921	165.880	165.839	165.798	165.757	165.716	165.675	165.634	165.593	165.552	165.511	165.470	165.429	165.388	165.347	165.306	165.265	165.224	165.183	165.142	165.101	165.060	165.019	164.978	164.937	164.896	164.855	164.814	164.773	164.732	164.691	164.650	164.609	164.568	164.527	164.486	164.445	164.404	164.363	164.322	164.281	164.240	164.199	164.158	164.117	164.076	164.035	163.994	163.953	163.912	163.871	163.830	163.789	163.748	163.707	163.666	163.625	163.584	163.543	163.502	163.461	163.420	163.379	163.338	163.297	163.256	163.215	163.174	163.133	163.092	163.051	163.010	162.969	162.928	162.887	162.846	162.805	162.764	162.723	162.682	162.641	162.600	162.559	162.518	162.477	162.436	162.395	162.354	162.313	162.272	162.231	162.190	162.149	162.108	162.067	162.026	161.985	161.944	161.903	161.862	161.821	161.780	161.739	161.698	161.657	161.616	161.575	161.534	161.493	161.452	161.411	161.370	161.329	161.288	161.247	161.206	161.165	161.124	161.083	161.042	161.001	160.960	160.919	160.878	160.837	160.796	160.755	160.714	160.673	160.632	160.591	160.550	160.509	160.468	160.427	160.386	160.345	160.304	160.263	160.222	160.181	160.140	160.100	160.059	160.019	159.978	159.938	159.897	159.857	159.816	159.776	159.735	159.695	159.654	159.614	159.573	159.533	159.492	159.452	159.411	159.371	159.330	159.290	159.249	159.209	159.168	159.128	159.087	159.047	159.006	158.966	158.925	158.885	158.845	158.804	158.764	158.723	158.683	158.642	158.602	158.561	158.521	158.480	158.440	158.399	158.359	158.318	158.278	158.237	158.197	158.156	158.116	158.075	158.035	157.994	157.954	157.913	157.873	157.832	157.792	157.751	157.711	157.670	157.630	157.589	157.548	157.507	157.466	157.425	157.384	157.343	157.302	157.261	157.220	157.179	157.138	157.097	157.056	157.015	156.974	156.933	156.892	156.851	156.810	156.769	156.728	156.687	156.646	156.605	156.564	156.523	156.483	156.442	156.402	156.361	156.321	156.280	156.240	156.199	156.159	156.118	156.078	156.037	155.997	155.956	155.916	155.875	155.835	155.794	155.753	155.712	155.671	155.630	155.589	155.548	155.507	155.466	155.425	155.384	155.343	155.302	155.261	155.220	155.179	155.138	155.097	155.056	155.015	154.974	154.933	154.892	154.851	154.810	154.769	154.728	154.687	154.646	154.605	154.564	154.523	154.483	154.442	154.402	154.361	154.321	154.280	154.240	154.199	154.159	154.118	154.078	154.037	153.997	153.956	153.916	153.875	153.835	153.794	153.754	153.713	153.673	153.632	153.592	153.551	153.511	153.470	153.430	153.389	153.349	153.308	153.268	153.227	153.187	153.146	153.106	153.065	153.025	152.984	152.944	152.903	152.862	152.822	152.781	152.740	152.699	152.659	152.618	152.577	152.537	152.496	152.455	152.415	152.374	152.334	152.293	152.253	152.212	152.172	152.131	152.091	152.050	152.010	151.969	151.928	151.888	151.847	151.807	151.766	151.726	151.685	151.645	151.604	151.564	151.523	151.483	151.442	151.402	151.361	151.321	151.280	151.240	151.199	151.159	151.118	151.078	151.037	150.997	150.956	150.916	150.875	150.835	150.794	150.754	150.713	150.673	150.632	150.592	150.551	150.511	150.470	150.430	150.389	150.349	150.308	150.268	150.227	150.187	150.146	150.106	150.065	150.025	150.000
EXISTING GROUND : (15 M LEFT)	166.919	166.919	166.137	166.286	166.732	166.919	166.360	166.858	166.320	166.617	164.967	165.547	165.745	165.745	165.745	165.745	165.745	165.745	165.745	165.745	165.745	165.745	165.745	165.745	165.745	165.745	165.745	165.745	165.745	165.745	165.745	165.745	165.745	165.745	165.745	165.745	165.745	165.745	165.745	165.745	165.745	165.745	165.745	165.745	165.745	165.745	165.745	165.745	165.745	165.745	165.745	165.745	165.745	165.745	165.745	165.745	165.745	165.745	165.745	165.745	165.745	165.745	165.745	165.745	165.745	165.745	165.745	165.745	165.745	165.745	165.745	165																																																																																																																																																																																																																																																																																																																																															

ALIGNMENT
SETOUT LINE



STR NO:	288/1
TYPE	BOX CULVERT
CHAINAGE	287+167
EXISTING	2.0 X 0.9 (PIPE)
PROPOSED	1 X 6.0 X 3.0
REMARKS	DISMANTLE EXISTING CULVERT, CONSTRUCT NEW BOX CULVERT (REFER STRUCTURE DWG FOR DETAILS)

STR NO:	288/2
TYPE	BOX CULVERT
CHAINAGE	287+830
EXISTING	115m - CAUSEWAY
PROPOSED	3 X 6.0 X 3.0
REMARKS	DISMANTLE EXISTING CAUSEWAY, CONSTRUCT NEW BOX CULVERT (REFER STRUCTURE DWG FOR DETAILS



STR NO:	288/1
TYPE	BOX CULVERT
CHAINAGE	287+167

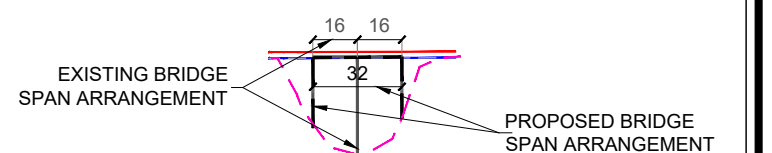
STR. NO.	200/2
TYPE	BOX CULVER
CHAINAGE	287+830

FINISHED ROAD LEVEL MAIN CARRIAGEWAY LEFT - KERB EDGE	167.407	167.403	167.398	167.394	167.389	167.385	167.380	167.376	167.371	167.367	167.363	167.366	167.376	167.395	167.421	167.456	167.492	167.527	167.563	167.599	167.635	167.671	167.707	167.743	167.779	167.815	167.851	167.887	167.923	167.959	167.995	168.031	168.067	168.103	168.139	168.175	168.210	168.242	168.257	168.259	168.242	168.211	168.211	168.165	168.102	168.024	167.931	167.821	167.701	167.581	167.460	167.340		
FINISHED ROAD LEVEL MAIN CARRIAGEWAY RIGHT - KERB EDGE	167.407	167.403	167.398	167.394	167.389	167.385	167.380	167.376	167.371	167.367	167.363	167.366	167.376	167.395	167.421	167.456	167.492	167.527	167.563	167.599	167.635	167.671	167.707	167.743	167.779	167.815	167.851	167.887	167.923	167.959	167.995	168.031	168.067	168.103	168.139	168.175	168.210	168.242	168.257	168.259	168.242	168.211	168.211	168.165	168.102	168.024	167.931	167.821	167.701	167.581	167.460	167.340		
EXISTING GROUND	165.748	165.750	165.732	165.660	165.643	165.525	165.422	165.547	165.532	165.394	165.559	165.762	165.889	166.017	165.777	165.662	165.493	165.398	165.322	165.134	164.841	164.416	164.231	164.103	164.069	164.013	163.864	163.791	163.531	163.560	163.610	163.662	163.525	163.433	163.560	163.570	163.552	163.482	163.620	163.630	163.580	163.511	163.591	163.682	163.631	163.559	163.733	163.744	163.646	163.880	163.647	163.280	164.815	167.340
EXISTING GROUND : (15 M LEFT)	165.748	165.750	165.732	165.660	165.643	165.525	165.422	165.547	165.532	165.394	165.559	165.762	165.889	166.017	165.777	165.662	165.493	165.398	165.322	165.134	164.841	164.416	164.231	164.103	164.069	164.013	163.864	163.791	163.531	163.560	163.610	163.662	163.525	163.433	163.560	163.570	163.552	163.482	163.620	163.630	163.580	163.511	163.591	163.682	163.631	163.559	163.733	163.744	163.646	163.880	163.647	163.280	164.815	167.340
EXISTING GROUND (15 M RIGHT)	165.856	165.866	165.594	165.629	165.544	165.646	165.741	165.770	165.927	165.729	165.805	165.843	166.256	166.826	166.136	165.771	165.564	165.236	165.322	165.134	164.841	164.416	164.231	164.103	164.069	164.013	164.080	164.057	163.875	163.858	163.892	163.696	164.326	163.888	164.069	164.111	163.741	163.877	164.131	163.957	163.814	163.793	164.004	164.101	164.251	165.956	163.785	163.798	163.839	163.794	164.815	167.340		
HORIZONTAL CURVE DATA: MAIN CARRIAGEWAY																																																						
VERTICAL CURVE DATA: MAIN CARRIAGEWAY LEFT - KERB EDGE	G=-0.022% L= 424.414 G=0.180% L= 431.427 287024.336287024.336 287024.336287024.336 287024.3362870																																																					

1. ALL DIMENSIONS, LEVELS AND CHAINAGES ARE IN METERS UNLESS OTHERWISE INDICATED.
2. HORIZONTAL GEOMETRY IS DESIGNED WITH RESPECT TO REFERENCE LINE OF ALIGNMENT AS SHOWN IN PLAN.
3. FINISHED ROAD LEVELS ARE MEASURED W.R.T KERB EDGES OF RESPECTIVE CARRIAGEWAYS.
4. SERVICE ROAD PROFILE ARE SET AS AN EXTENDED CROSS FALL OF MAIN ROAD IN ALL SECTIONS EXCEPT AT UNDERPASS SECTIONS.
5. THE RIGHT OF WAY SHOWN IN THE PLAN IS MEASURED SYMMETRICALLY W.R.T EXISTING ROAD CENTRE.
6. MEDIAN OPENINGS, BUSBAYS, LAYBYES, MAJOR JUNCTION LAYOUTS ARE PROVIDED IN SEPARATE DRAWING.
7. SPAN ARRANGEMENTS SHOWN FOR BRIDGES, UNDERPASSES & CULVERTS ARE INDICATIVE. FOR DETAILS, REFER STRUCTURAL DRAWINGS.
8. EARTHWORK SLOPES SHOWN IN PLAN FOR URBAN SECTION ARE INDICATIVE AND FOR ILLUSTRATION ONLY.
9. THE LOCATION AND EXTEND OF EARTH RETAINING STRUCTURE BEYOND ROW SHOWN IN THE DRAWING SHALL BE ASCERTAINED BASED ON SITE SET OUT.
10. THE PROPOSAL FOR ALL EXISTING BRIDGES SHALL BE AS PER BRIDGE DESIGN / DRAWINGS.

Legend for the proposed road layout:

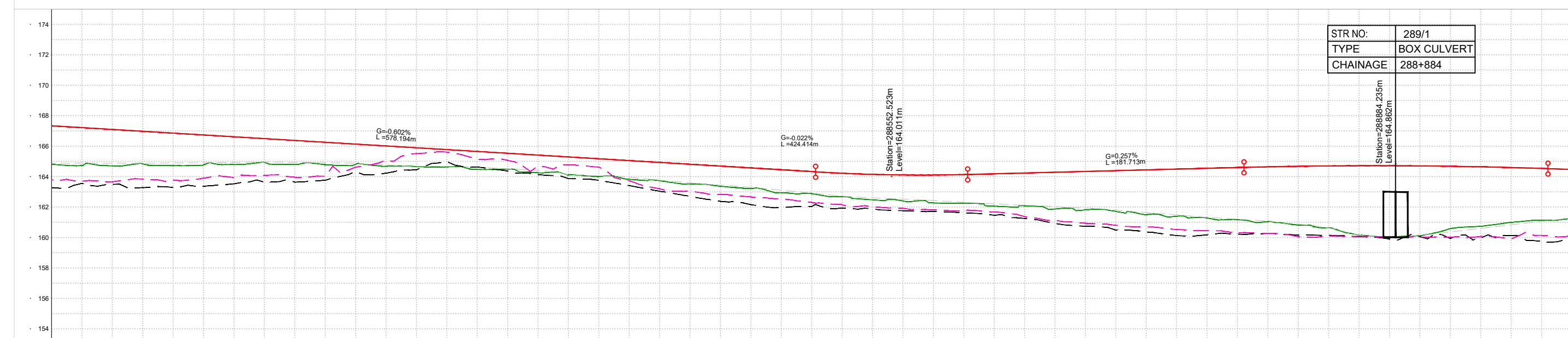
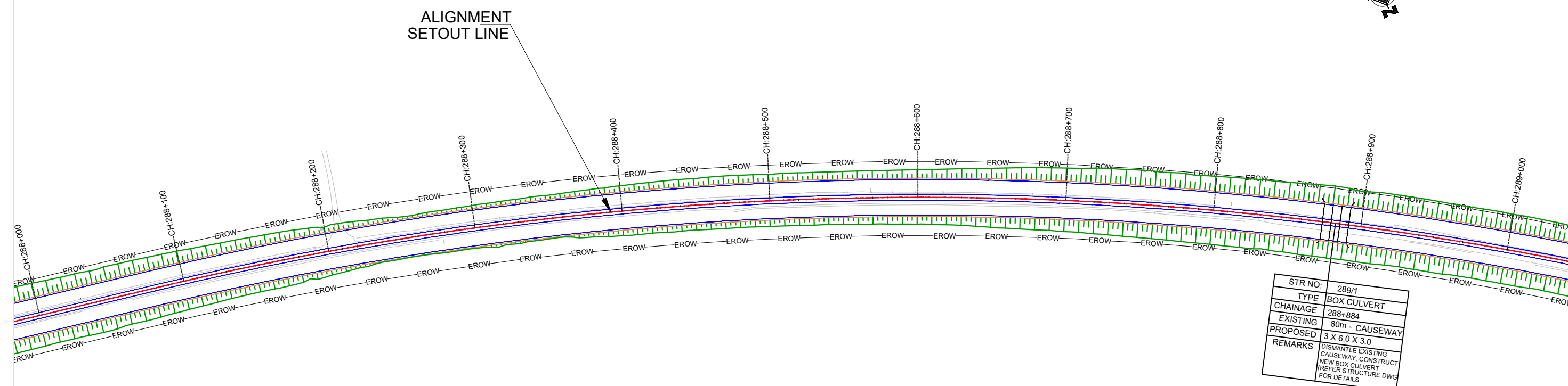
- PROPOSED ALIGNMENT: Dashed red line
- PROPOSED MAIN CARRIAGEWAY: Solid blue line
- PROPOSED SERVICE ROAD: Solid pink line
- PROPOSED CYCLE TRACK: Solid light blue line
- PROPOSED EARTHEN SHOULDER: Solid orange line
- EXISTING CARRIAGEWAY: Solid grey line
- EXISTING BRIDGE: Solid black line with a hatched pattern
- PROPOSED BRIDGE: Dashed red line with a hatched pattern
- EXISTING RIGHT OF WAY: Solid grey line with the label "EROW" below it



 Government of Nepal Ministry of Physical Infrastructure and Transport Department of Roads Development Cooperation Implementation Division	Strategic Road Connectivity & Trade Improvement Project (SRCTIP) Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges	DESIGN CONSULTANTS		Designed By	Mr. Pushkar Poudel	 Signature	Drawing Name	Scale: PLAN: 1:2500	Date: JUNE 2023
		 EPTISA Servicios De Ingenieria Madrid, Spain	 STUP Consultants Private Limited Kolkatta, India	Checked By	Mr. T.V. Rajeev		 Signature	PLAN AND PROFILE	PROFILE: HOR= 1:2500 VER= 1:250
		In Association With Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited		Approved By	Mr. Hari Krishna Bhavsar	 Signature		Reference Drawings 1.TYPICAL HORIZONTAL CURVE & ATTAINMENT OF SUPERELEVATION DETAILS- KDP/DDR/HIGHWAY/STD/001 2.HORIZONTAL CURVE DETAILS- KDP/DDR/HIGHWAY/STD/002 TO 009 3.TYPICAL CROSS SECTIONS- KDP/DDR/HIGHWAY/TCS/ 001 TO 004 4.TYPICAL CROSS SECTION SCHEDULE- KDP/DDR/HIGHWAY/TCS/ 005 TO 007	Chainage: (km 287+000 to km 288+000)

← KAMALA

PATHLAIYA ➡



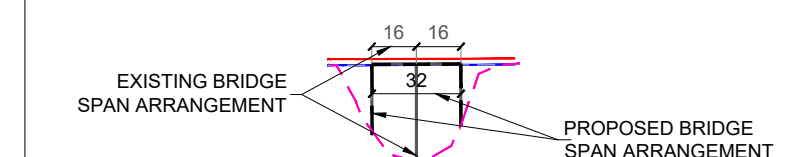
FINISHED ROAD LEVEL MAIN CARRIAGEWAY LEFT - KERB EDGE	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340	167.340</
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NOTES:

1. ALL DIMENSIONS, LEVELS AND CHAINAGES ARE IN METERS UNLESS OTHERWISE INDICATED.
2. HORIZONTAL GEOMETRY IS DESIGNED WITH RESPECT TO REFERENCE LINE OF ALIGNMENT AS SHOWN IN PLAN.
3. FINISHED ROAD LEVELS ARE MEASURED w.r.t KERB EDGES OF RESPECTIVE CARRIAGEWAYS.
4. SERVICE ROAD PROFILE ARE SET AS AN EXTENDED CROSS FALL OF MAIN ROAD IN ALL SECTIONS EXCEPT AT UNDERPASS SECTIONS.
5. THE RIGHT OF WAY SHOWN IN THE PLAN IS MEASURED SYMETRICALLY w.r.t EXISTING ROAD CENTRE.
6. MEDIAN OPENINGS, BUSBAYS, LAYBYS, MAJOR JUNCTION LAYOUTS ARE PROVIDED IN SEPARATE DRAWING.
7. SPAN ARRANGEMENTS SHOWN FOR BRIDGES, UNDERPASSES & CULVERTS ARE INDICATIVE. FOR DETAILS, REFER STRUCTURAL DRAWINGS.
8. EARTHWORK SLOPES SHOWN IN PLAN FOR URBAN SECTION ARE INDICATIVE AND FOR ILLUSTRATION ONLY.
9. THE LOCATION AND EXTEND OF EARTH RETAINING STRUCTURE BEYOND ROAD SHOWN IN THE DRAWING SHALL BE ASCERTAINED BASED ON SITE SET OUT.
10. THE PROPOSAL FOR ALL EXISTING BRIDGES SHALL BE AS PER BRIDGE DESIGN / DRAWINGS.

LEGEND:

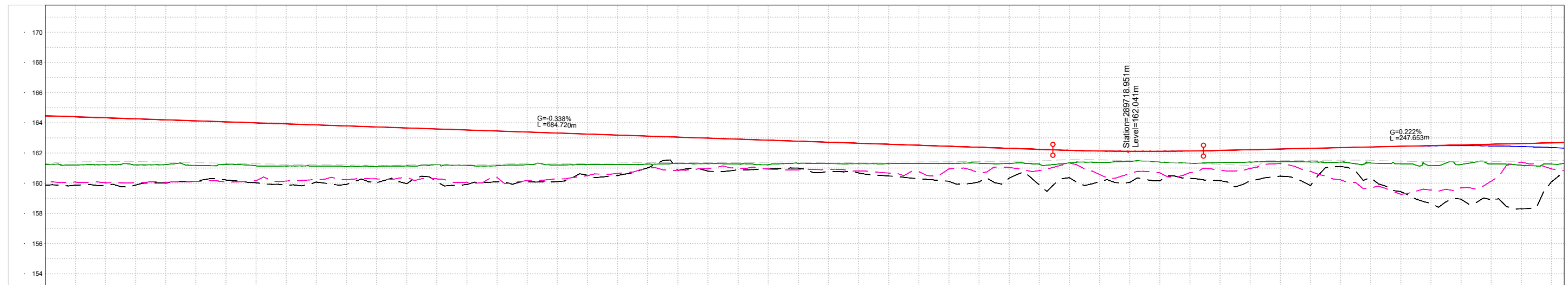
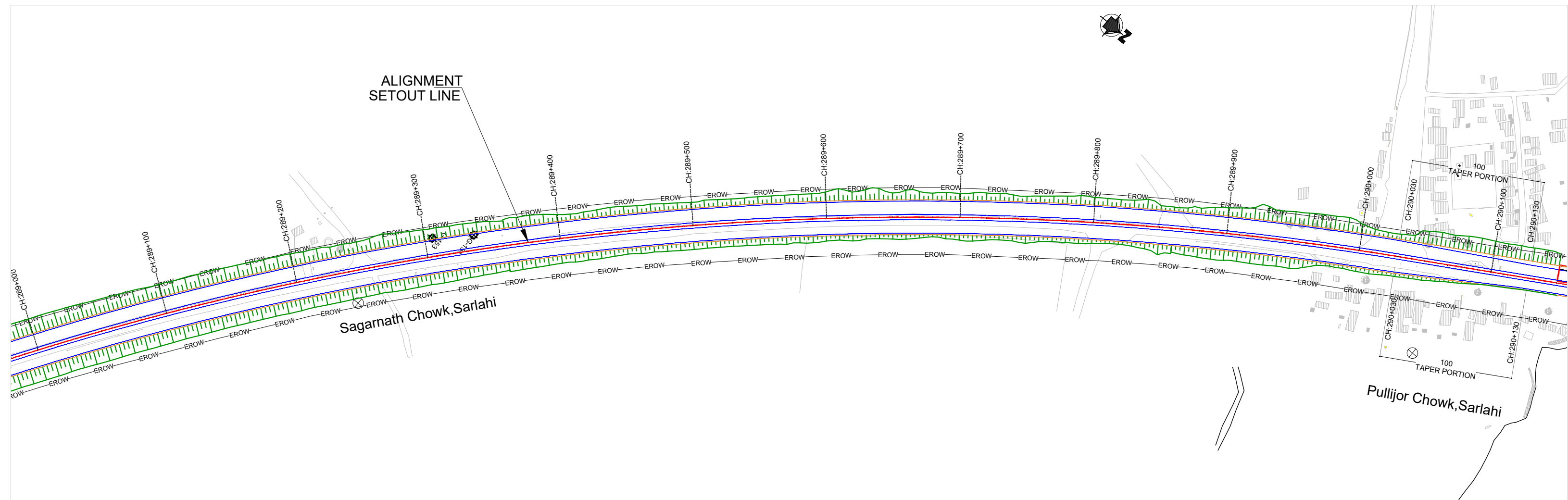
PROPOSED ALIGNMENT	— — — — —
PROPOSED MAIN CARRIAGEWAY	—————
PROPOSED SERVICE ROAD	—————
PROPOSED CYCLE TRACK	—————
PROPOSED EARTHEN SHOULDER	—————
EXISTING CARRIAGEWAY	—————
EXISTING BRIDGE	
PROPOSED BRIDGE	
EXISTING RIGHT OF WAY	— EROW —



 Government of Nepal Ministry of Physical Infrastructure and Transport Department of Roads Development Cooperation Implementation Division	EMPLOYER	PROJECT Strategic Road Connectivity & Trade Improvement Project (SRCTIP) Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges	DESIGN CONSULTANTS Joint Venture of			Designed By Mr. Pushkar Poudel Nec.No. 6146 Signature	Drawing Name PLAN AND PROFILE	Scale: PLAN: 1:2500 PROFILE: HOR= 1:2500 VER= 1:250	Date: JUNE 2023	
			 EPTISA Servicios De Ingenieria Madrid, Spain	 STUP Consultants Private Limited Kolkatta, India	Checked By Mr. T.V.Rajeev Nec.No. Signature					
			In Association With Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited							Approved By Mr. Hanrikrishna Bhavsar Nec.No. Signature
			Reference Drawings 1.TYPICAL HORIZONTAL CURVE & ATTAINMENT OF SUPERELEVATION DETAILS- KDP/DDR/HIGHWAY/STD/001 2.HORIZONTAL CURVE DETAILS- KDP/DDR/HIGHWAY/STD/002 TO 009 3.TYPICAL CROSS SECTIONS- KDP/DDR/HIGHWAY/TCS/ 001 TO 004 4.TYPICAL CROSS SECTION SCHEDULE- KDP/DDR/HIGHWAY/TCS/ 005 TO 007			Chainage: (km 288+000 to km 289+000)	Drawing No. KDP/DPR/HIGHWAY/PP-555 R(0)	Sheet No.		

← KAMALA

PATHLAIYA →



FINISHED ROAD LEVEL MAIN CARRIAGEWAY LEFT - KERB EDGE	164.471	164.471	164.403	164.336	164.268	164.200	164.133	164.065	163.998	163.930	163.862	163.795	163.727	163.660	163.592	163.524	163.457	163.389	163.322	163.254	163.187	163.119	163.051	162.984	162.916	162.849	162.781	162.713	162.646	162.578	162.511	162.443	162.375	162.308	162.240	162.176	162.109	162.041	161.973	161.905	161.837	161.769	161.701	161.633	161.565	161.497	161.429	161.361	161.293	161.225	161.157	161.089	161.021	160.953	160.885	160.817	160.749	160.681	160.613	160.545	160.477	160.409	160.341	160.273	160.205	160.137	160.069	160.001	159.933	159.865	159.797	159.729	159.661	159.593	159.525	159.457	159.389	159.321	159.253	159.185	159.117	159.049	158.981	158.913	158.845	158.777	158.709	158.641	158.573	158.505	158.437	158.369	158.301	158.233	158.165	158.097	158.029	157.961	157.893	157.825	157.757	157.689	157.621	157.553	157.485	157.417	157.349	157.281	157.213	157.145	157.077	157.009	156.941	156.873	156.805	156.737	156.669	156.601	156.533	156.465	156.397	156.329	156.261	156.193	156.125	156.057	155.989	155.921	155.853	155.785	155.717	155.649	155.581	155.513	155.445	155.377	155.309	155.241	155.173	155.105	155.037	154.969	154.901	154.833	154.765	154.697	154.629	154.561	154.493	154.425	154.357	154.289	154.221	154.153	154.085	154.017	153.949	153.881	153.813	153.745	153.677	153.609	153.541	153.473	153.405	153.337	153.269	153.201	153.133	153.065	152.997	152.929	152.861	152.793	152.725	152.657	152.589	152.521	152.453	152.385	152.317	152.249	152.181	152.113	152.045	151.977	151.909	151.841	151.773	151.705	151.637	151.569	151.501	151.433	151.365	151.297	151.229	151.161	151.093	151.025	150.957	150.889	150.821	150.753	150.685	150.617	150.549	150.481	150.413	150.345	150.277	150.209	150.141	150.073	150.005	149.937	149.869	149.801	149.733	149.665	149.597	149.529	149.461	149.393	149.325	149.257	149.189	149.121	149.053	148.985	148.917	148.849	148.781	148.713	148.645	148.577	148.509	148.441	148.373	148.305	148.237	148.169	148.101	148.033	147.965	147.897	147.829	147.761	147.693	147.625	147.557	147.489	147.421	147.353	147.285	147.217	147.149	147.081	147.013	146.945	146.877	146.809	146.741	146.673	146.605	146.537	146.469	146.401	146.333	146.265	146.197	146.129	146.061	145.993	145.925	145.857	145.789	145.721	145.653	145.585	145.517	145.449	145.381	145.313	145.245	145.177	145.109	145.041	144.973	144.905	144.837	144.769	144.701	144.633	144.565	144.497	144.429	144.361	144.293	144.225	144.157	144.089	144.021	143.953	143.885	143.817	143.749	143.681	143.613	143.545	143.477	143.409	143.341	143.273	143.205	143.137	143.069	143.001	142.933	142.865	142.797	142.729	142.661	142.593	142.525	142.457	142.389	142.321	142.253	142.185	142.117	142.049	141.981	141.913	141.845	141.777	141.709	141.641	141.573	141.505	141.437	141.369	141.301	141.233	141.165	141.097	141.029	140.961	140.893	140.825	140.757	140.689	140.621	140.553	140.485	140.417	140.349	140.281	140.213	140.145	140.077	140.009	139.941	139.873	139.805	139.737	139.669	139.601	139.533	139.465	139.397	139.329	139.261	139.193	139.125	139.057	138.989	138.921	138.853	138.785	138.717	138.649	138.581	138.513	138.445	138.377	138.309	138.241	138.173	138.105	138.037	137.969	137.901	137.833	137.765	137.697	137.629	137.561	137.493	137.425	137.357	137.289	137.221	137.153	137.085	137.017	136.949	136.881	136.813	136.745	136.677	136.609	136.541	136.473	136.405	136.337	136.269	136.201	136.133	136.065	135.997	135.929	135.861	135.793	135.725	135.657	135.589	135.521	135.453	135.385	135.317	135.249	135.181	135.113	135.045	134.977	134.909	134.841	134.773	134.705	134.637	134.569	134.501	134.433	134.365	134.297	134.229	134.161	134.093	134.025	133.957	133.889	133.821	133.753	133.685	133.617	133.549	133.481	133.413	133.345	133.277	133.209	133.141	133.073	133.005	132.937	132.869	132.801	132.733	132.665	132.597	132.529	132.461	132.393	132.325	132.257	132.189	132.121	132.053	131.985	131.917	131.849	131.781	131.713	131.645	131.577	131.509	131.441	131.373	131.305	131.237	131.169	131.101	131.033	130.965	130.897	130.829	130.761	130.693	130.625	130.557	130.489	130.421	130.353	130.285	130.217	130.149	130.081	130.013	129.945	129.877	129.809	129.741	129.673	129.605	129.537	129.469	129.401	129.333	129.265	129.197	129.129	129.061	128.993	128.925	128.857	128.789	128.721	128.653	128.585	128.517	128.449	128.381	128.313	128.245	128.177	128.109	128.041	127.973	127.905	127.837	127.769	127.701	127.633	127.565	127.497	127.429	127.361	127.293	127.225	127.157	127.089	127.021	126.953	126.885	126.817	126.749	126.681	126.613	126.545	126.477	126.409	126.341	126.273	126.205	126.137	126.069	126.001	125.933	125.865	125.797	125.729	125.661	125.593	125.525	125.457	125.389	125.321	125.253	125.185	125.117	125.049	124.981	124.913	124.845	124.777	124.709	124.641	124.573	124.505	124.437	124.369	124.301	124.233	124.165	124.097	124.029	123.961	123.893	123.825	123.757	123.689	123.621	123.553	123.485	123.417	123.349	123.281	123.213	123.145	123.077	123.009	122.941	122.873	122.805	122.737	122.669	122.601	122.533	122.465	122.397	122.329	122.261	122.193	122.125	122.057	121.989	121.921	121.853	121.785	121.717	121.649	121.581	121.513	121.445	121.377	121.309	121.241	121.173	121.105	121.037	120.969	120.901	120.833	120.765	120.697	120.629	120.561	120.493	120.425	120.357	120.289	120.221	120.153	120.085	120.017	119.949	119.881	119.813	119.745	119.677	119.609	119.541	119.473	119.405	119.337	119.269	119.201	119.133	119.065	118.997	118.929	118.861	118.793	118.725	118.657	118.589	118.521	118.453	118.385	118.317	118.249	118.181	118.113	118.045	117.977	117.909	117.841	117.773	117.705	117.637	117.569	117.501	117.433	117.365	117.297	117.229	117.161	117.093	117.025	116.957	116.889	116.821	116.753	116.685	116.617	116.549	116.481	116.413	116.345	116.277	116.209	116.141	116.073	116.005	115.937	115.869	115.801	115.733	115.665	115.597	115.529	115.461	115.393	115.325	115.257	115.189	115.121	115.053	114.985	114.917	114.849	114.781	114.713	114.645	114.577	114.509	114.441	114.373	114.305	114.237	114.169	114.101	114.033	113.965	113.897	113.829	113.761	113.693	113.625	113.557	113.489	113.421	113.353	113.285	113.217	113.149	113.081	113.013	112.945	112.877	112.809	112.741	112.673	112.605	112.537	112.469	112.401	112.333	112.265	112.197	112.129	112.061	111.993	111.925	111.857	111.789	111.721	111.653	111.585	111.517	111.449	111.381	111.313	111.245	111.177	111.109	111.041	110.973	110.905	110.837	110.769	110.701	110.633	110.565	110.497	110.429	110.361	110.293	110.225	110.157	110.089	110.021	109.953	109.885	109.817	109.749	109.681	109.613	109.545	109.477	109.409	109.341	109.273	109.205	109.137	109.069	109.001	108.933	108.865	108.797	108.729	108.661	108.593	108.525	108.457	108.389	108.321	108.253	108.185	108.117	108.049	107.981	107.913	107.845	107.777	107.709	107.641	107.573	107.505	107.437	107.369	107.301	107.233	107.165	107.097	107.029	106.961	106.893	106.825	106.757	106.689	106.621	106.553	106.485	106.417	106.349	106.281	106.213	106.145	106.077	106.009	105.941	105.873	105.805	105.737	105.669	105.601	105.533	105.465	105.397	105.329	105.261	105.193	105.125	105.057	104.989	104.921	104.853	104.785	104.717	104.649	104.581	104.513	104.445	104.377	104.309	104.241	104.173	104.105	104.037	103.969	103.901	103.833	103.765	103.697	103.629	103.561	103.493	103.425	103.357	103.289	103.221	103.153	103.085	103.017	102.949	102.881	102.813	102.745	102.677	102.609	102.541	102.473	102.405	102.337	102.269	102.201	102.133	102.065	101.997	101.929	101.861	101.793	101.725	101.657	101.589	101.521	101.453	101.385	101.317	101.249	101.181	101.113	101.045	100.977	100.909	100.841	100.773	100.705	100.637	100.569	100.501	100.433	100.365
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