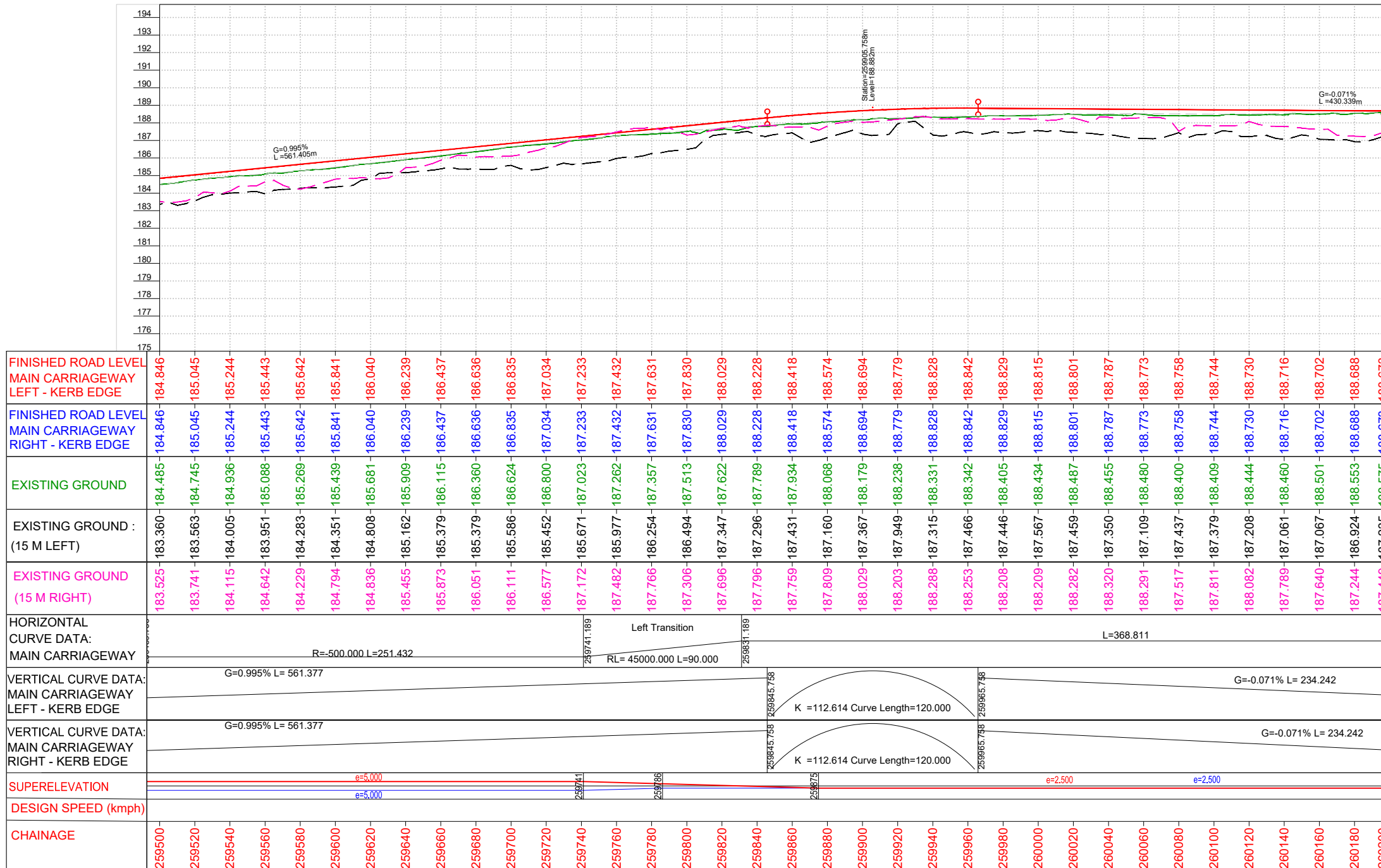
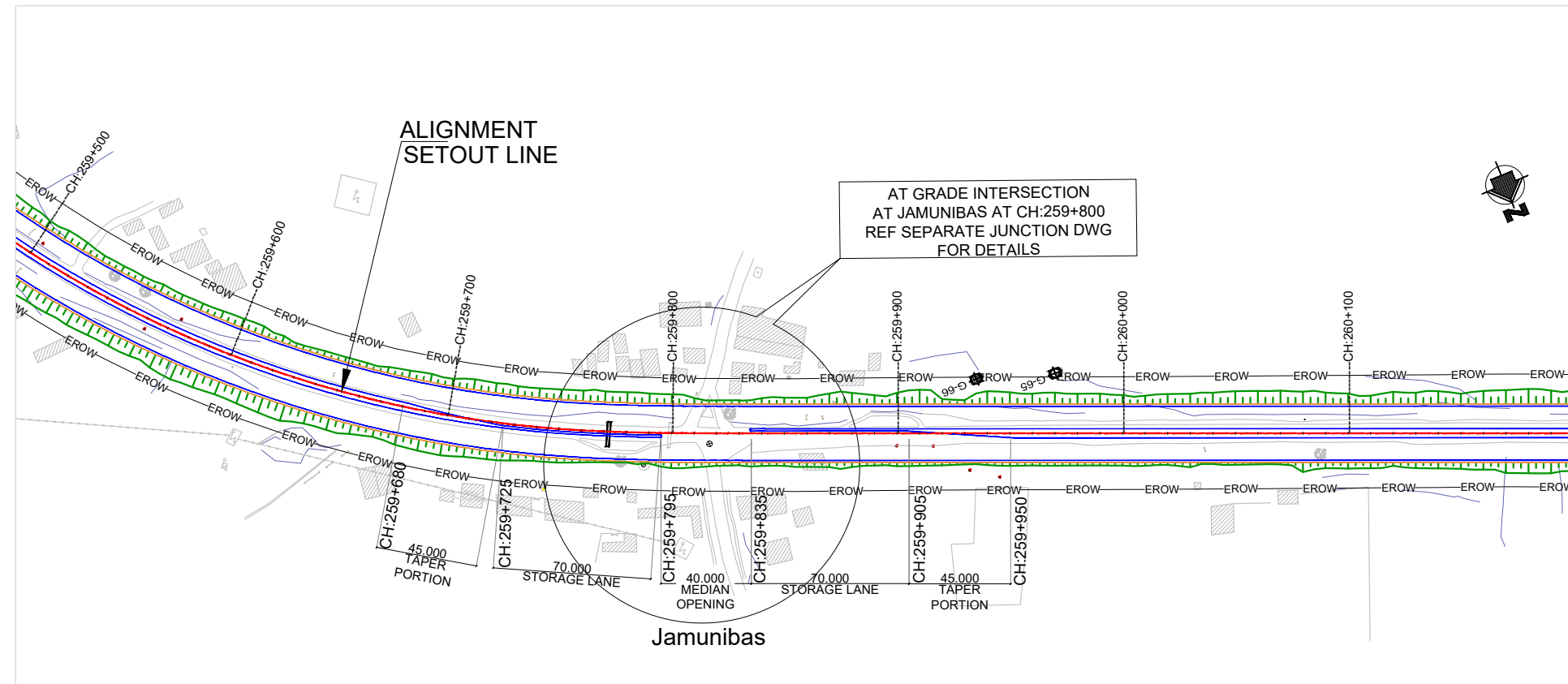


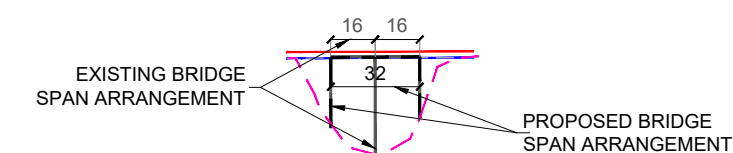
← KAMALA

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.
 - FINISHED ROAD LEVELS ARE MEASURED w.r.t KERB EDGES OF RESPECTIVE CARRIAGEWAYS.
 - SERVICE ROAD PROFILE ARE SET AS AN EXTENDED CROSS FALL OF MAIN ROAD IN ALL SECTIONS EXCEPT AT UNDERPASS SECTIONS.
 - THE RIGHT OF WAY SHOWN IN THE PLAN IS MEASURED SYMMETRICALLY w.r.t EXISTING ROAD CENTRE.
 - MEDIAN OPENINGS, BUSBAYS, LAYBYES, MAJOR JUNCTION LAYOUTS ARE PROVIDED IN SEPARATE DRAWING.
 - SPAN ARRANGEMENTS SHOWN FOR BRIDGES, UNDERPASSES & CULVERTS ARE INDICATIVE. FOR DETAILS, REFER STRUCTURAL DRAWINGS.
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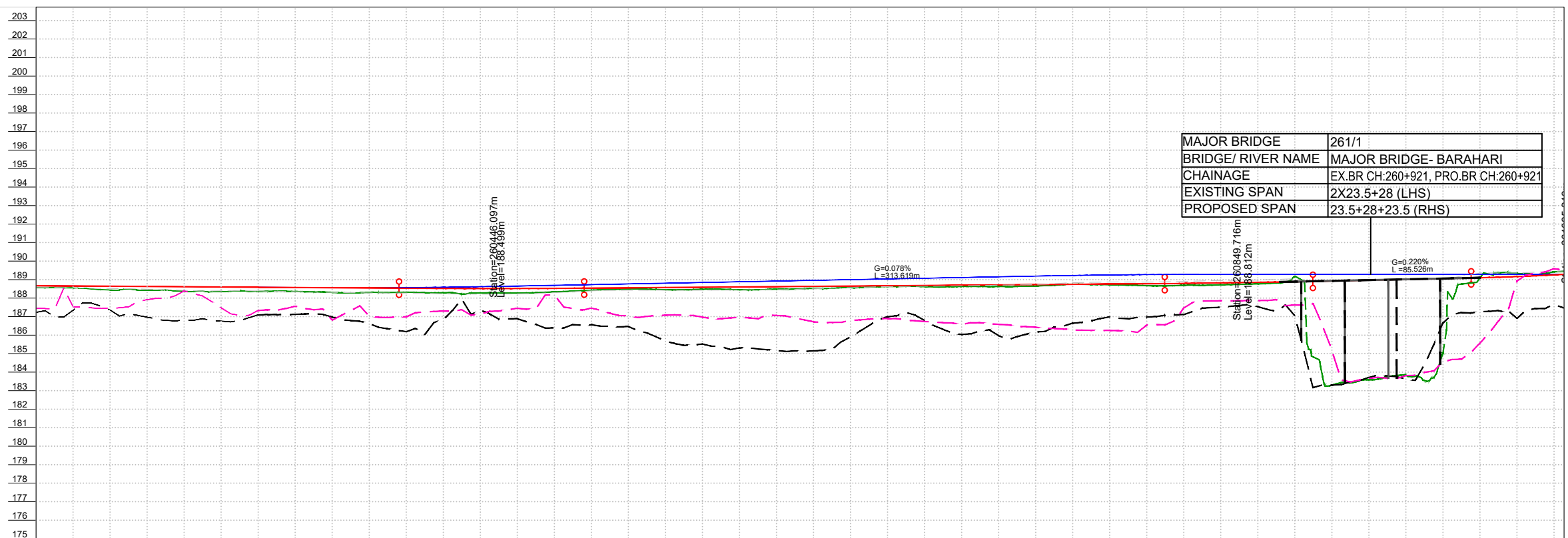
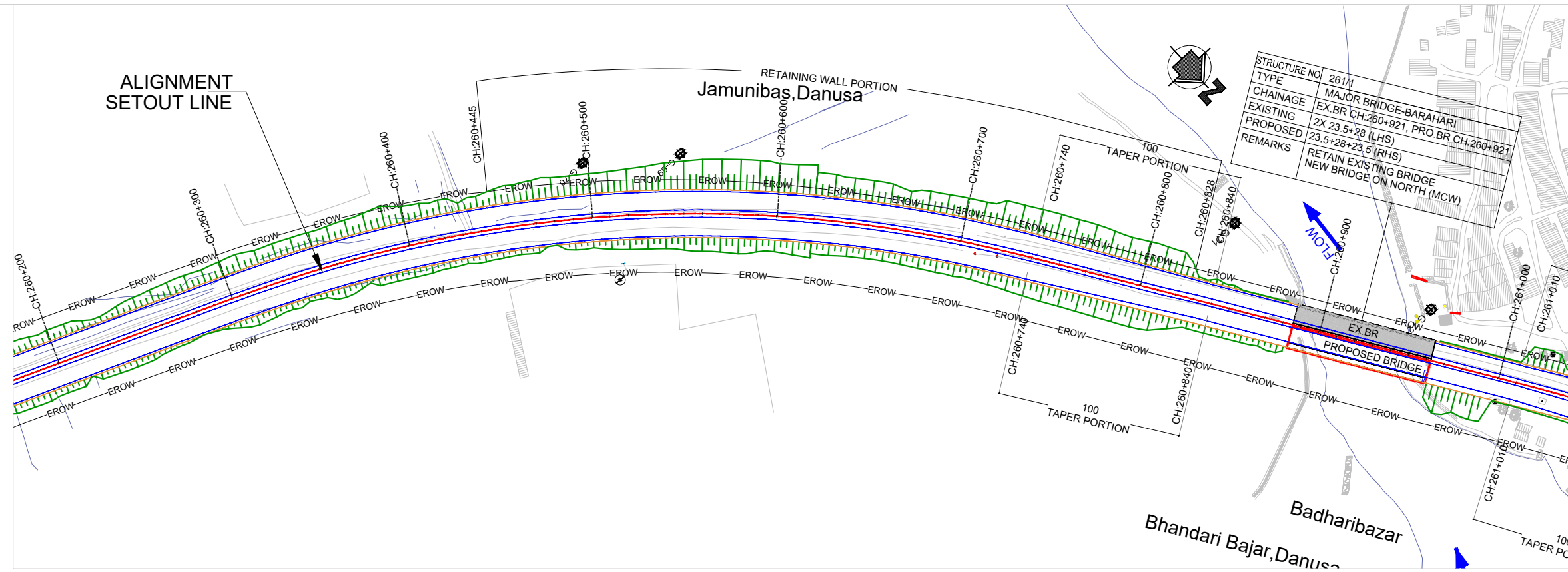
- LEGEND:**
- PROPOSED ALIGNMENT
 - PROPOSED MAIN CARRIAGEWAY
 - PROPOSED SERVICE ROAD
 - PROPOSED CYCLE TRACK
 - PROPOSED EARTHEN SHOULDER
 - EXISTING CARRIAGEWAY
 - EXISTING BRIDGE
 - PROPOSED BRIDGE
 - EXISTING RIGHT OF WAY
 - EROW



EMPLOYER	PROJECT	DESIGN CONSULTANTS	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 Reference Drawings 1.TYPICAL HORIZONTAL CURVE & ATTAINMENT 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 259+500 to km 260+200)	JUNE 2023 Drawing No. KDP/DPR/HIGHWAY/PP-525 R(0) Sheet No.

← KAMALA

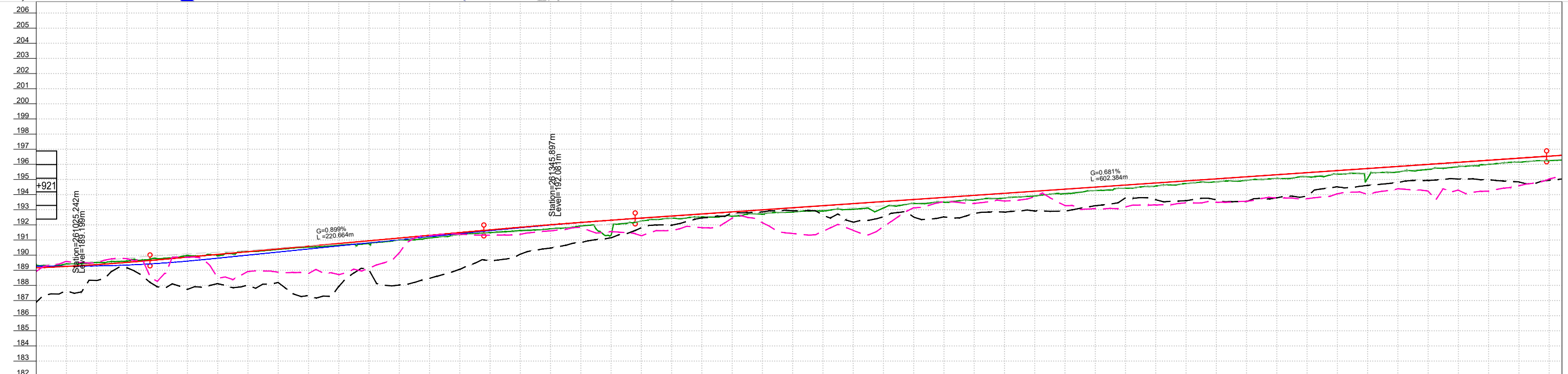
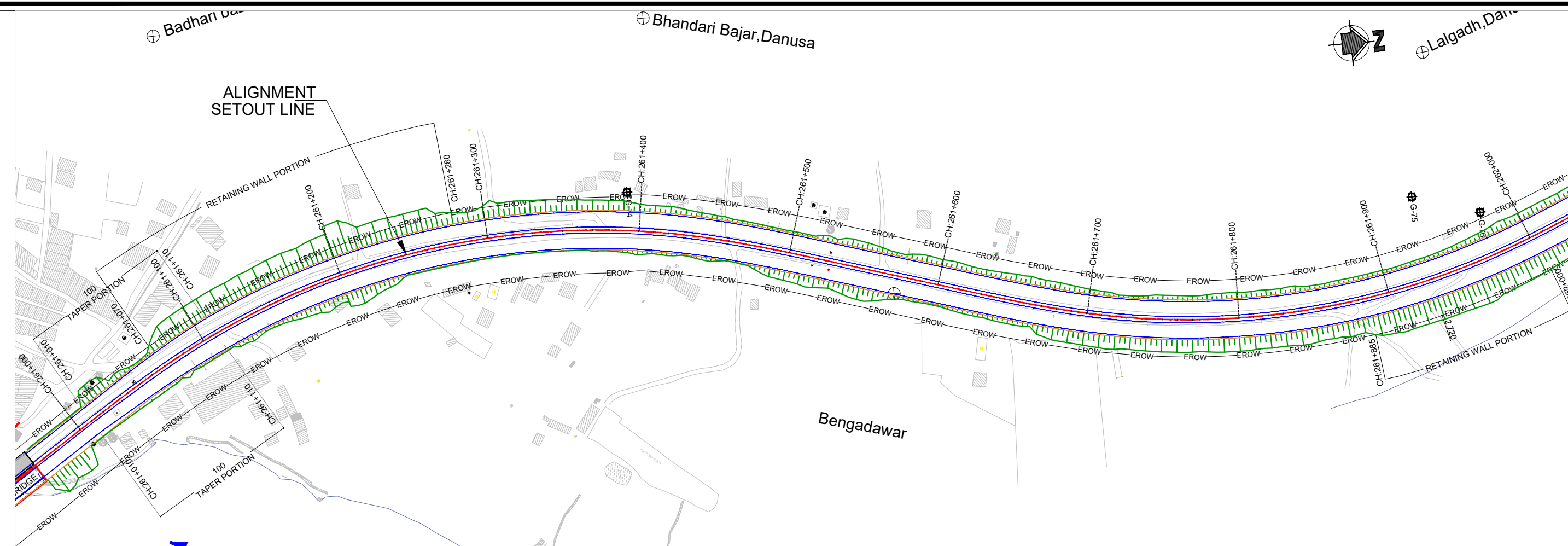
PATHLAIYA →



FINISHED ROAD LEVEL MAIN CARRIAGEWAY LEFT - KERB EDGE	188.673	188.659	188.645	188.631	188.617	188.602	188.588	188.574	188.560	188.546	188.532	188.518	188.504	188.490	188.476	188.462	188.448	188.434	188.420	188.406	188.392	188.378	188.364	188.350	188.336	188.322	188.308	188.294	188.280	188.266	188.252	188.238	188.224	188.210	188.196	188.182	188.168	188.154	188.140	188.126	188.112	188.098	188.084	188.070	188.056	188.042	188.028	188.014	188.000	187.986	187.972	187.958	187.944	187.930	187.916	187.902	187.888	187.874	187.860	187.846	187.832	187.818	187.804	187.790	187.776	187.762	187.748	187.734	187.720	187.706	187.692	187.678	187.664	187.650	187.636	187.622	187.608	187.594	187.580	187.566	187.552	187.538	187.524	187.510	187.496	187.482</
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← KAMALA

PATHLAIYA ➡

[illegible]

- ### NOTES:
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 0. 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

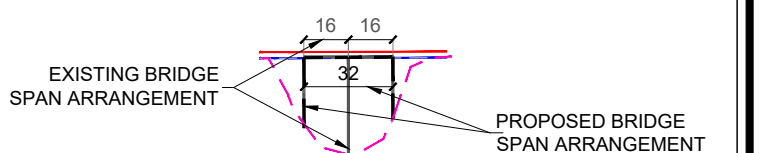
EXISTING CARRIAGEWAY

EXISTING BRIDGE

PROPOSED BRIDGE

EXISTING RIGHT OF WAY

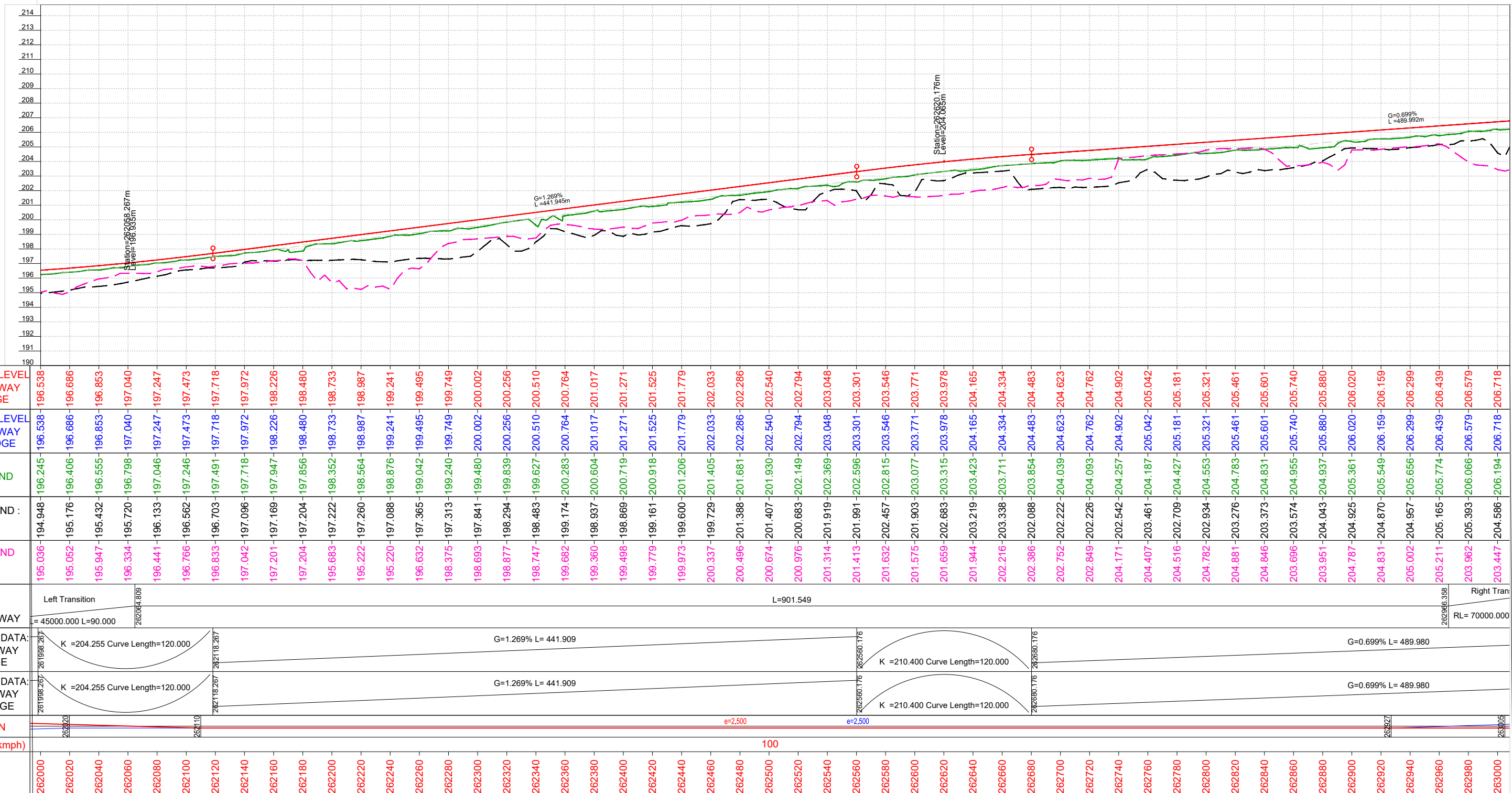
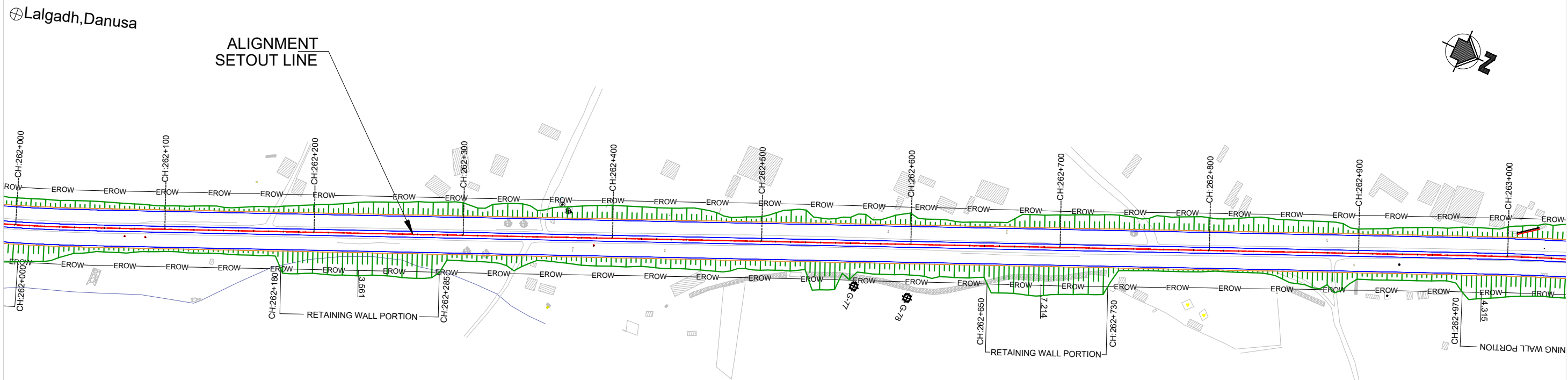
EROW



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	Designed By	PLAN AND PROFILE	<u>PLAN:</u> 1:2500 <u>PROFILE:</u> HOR= 1:2500 VER= 1:250	JUNE 2023				
		 EPTISA Servicios De Ingenieria Madrid, Spain  STUP Consultants Private Limited Kolkatta, India	Nec.No. 6146 Mr. T.V.Rajeev		 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 261+000 to km 262+000)	Drawing No. KDP/DDR/HIGHWAY/PP-527 R(0) Sheet No.	
		In Association With	Checked By		Signature					 Signature
		Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited	Approved By		Mr. Harikrishna Bhavsar Nec.No.					

← KAMALA

PATHLAIYA ➡

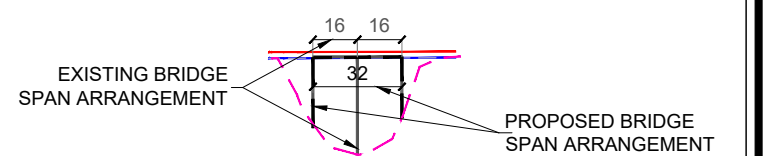


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LEGEND:

Legend for the proposed alignment diagram:

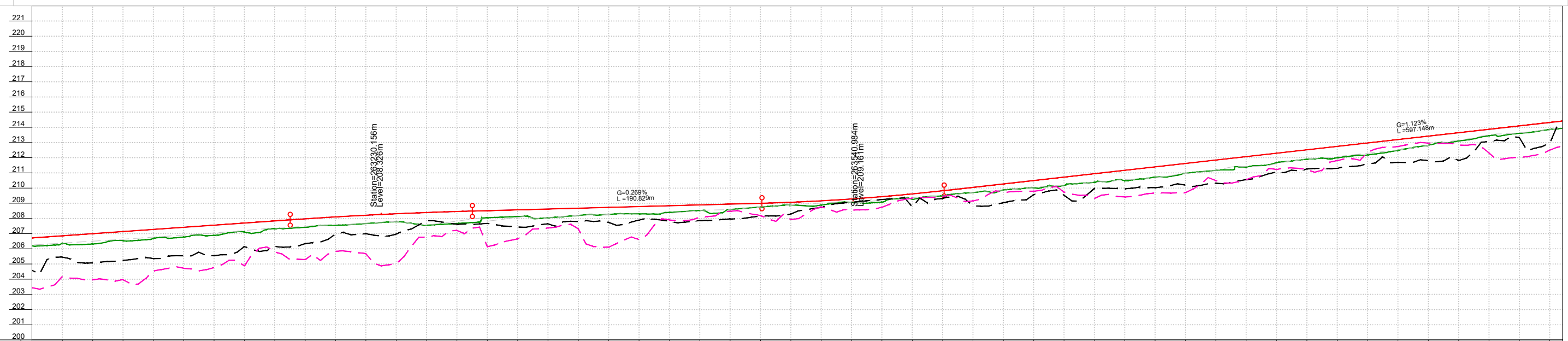
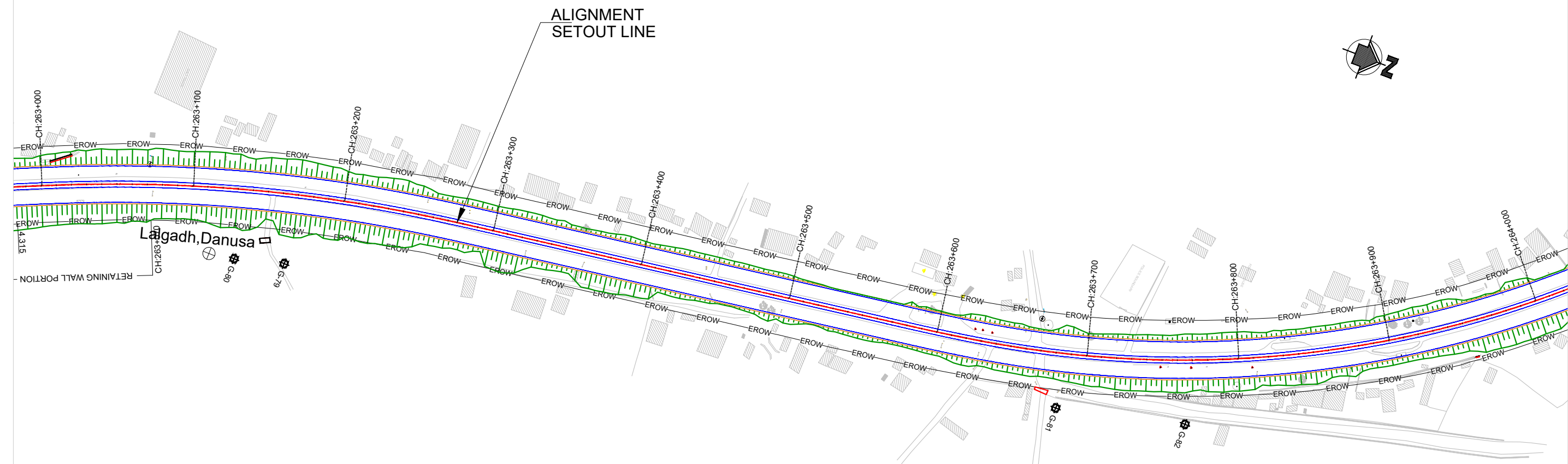
- PROPOSED ALIGNMENT: Red dashed line
- PROPOSED MAIN CARRIAGEWAY: Blue solid line
- PROPOSED SERVICE ROAD: Pink solid line
- PROPOSED CYCLE TRACK: Light blue solid line
- PROPOSED EARTHEN SHOULDER: Orange solid line
- EXISTING CARRIAGEWAY: Grey solid line
- EXISTING BRIDGE: Black rectangle with diagonal hatching
- PROPOSED BRIDGE: Red dashed rectangle
- EXISTING RIGHT OF WAY: Grey solid line with "EROW" label below it



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	PLAN AND PROFILE	PLAN: 1:2500	JUNE 2023	
		 EPTISA Servicios De Ingenieria Madrid, Spain	 STUP Consultants Private Limited Kolkatta, India	Mr. Pushkar Poudel Nec.No. 6146 		Signature		PROFILE: HOR= 1:2500 VER= 1:250
		In Association With Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited		Checked By		T.V. Rajeev Nec.No. Mr. 		Signature
				Approved By			Sheet No.	
				Harikrishna Bhavsar Nec.No. Mr. 				

← *KAMALA*

PATHLAIYA ➡



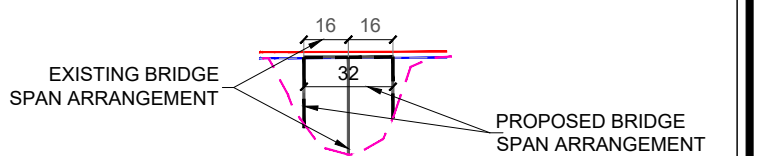
FINISHED ROAD LEVEL MAIN CARRIAGEWAY LEFT - KERB EDGE	206.718	206.858	206.998	207.137	207.277	207.417	207.557	207.696	207.836	207.974	208.099	208.211	208.307	208.390	208.458	208.514	208.567	208.621	208.675	208.729	208.782	208.836	208.890	208.943	208.997	209.064	209.159	209.282	209.434	210.049	210.273	210.498	210.723	210.947	211.172	211.396	211.621	211.846	212.070	212.295	212.520	212.744	212.969	213.194	213.418	213.643	213.868	214.092	214.317
FINISHED ROAD LEVEL MAIN CARRIAGEWAY RIGHT - KERB EDGE	206.718	206.858	206.998	207.137	207.277	207.417	207.557	207.696	207.836	207.974	208.099	208.211	208.307	208.390	208.458	208.514	208.567	208.621	208.675	208.729	208.782	208.836	208.890	208.943	208.997	209.064	209.159	209.282	209.434	210.049	210.273	210.498	210.723	210.947	211.172	211.396	211.621	211.846	212.070	212.295	212								

- ### NOTES:
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LEGEND:

Legend for the proposed road layout:

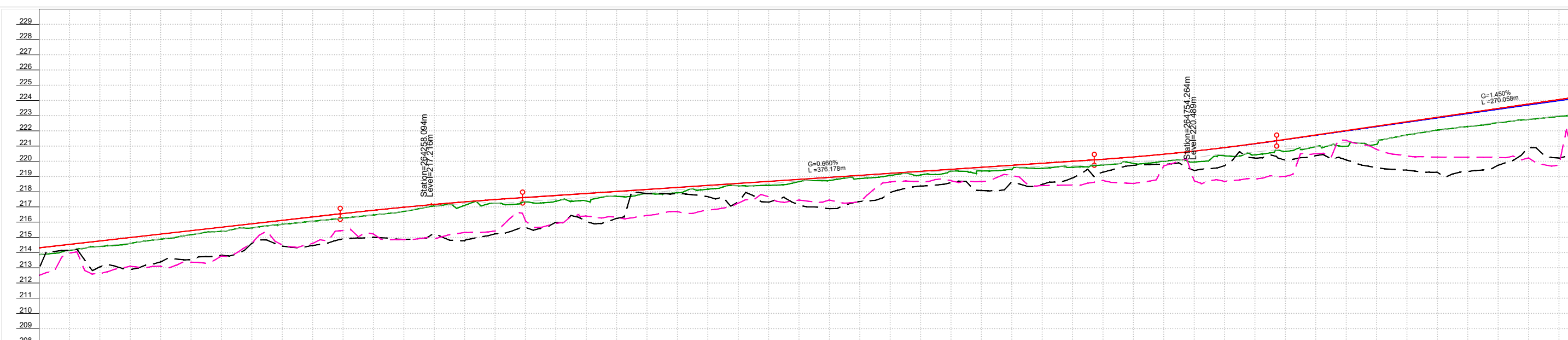
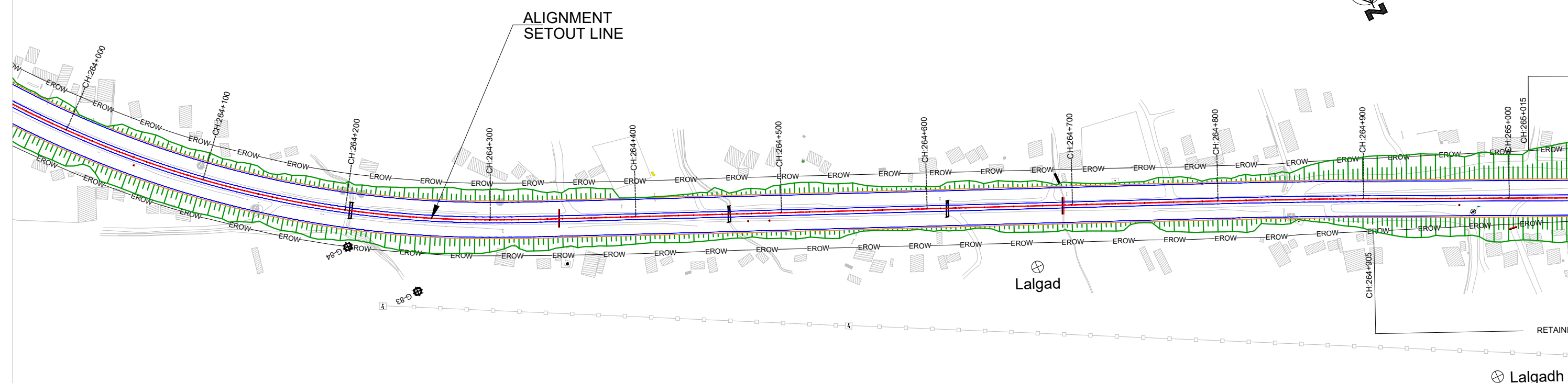
- PROPOSED ALIGNMENT: Dashed red line
- PROPOSED MAIN CARRIAGEWAY: Solid blue line
- PROPOSED SERVICE ROAD: Solid pink line
- PROPOSED CYCLE TRACK: Solid light blue line
- PROPOSED EARTHEN SHOULDER: Solid orange line
- EXISTING CARRIAGEWAY: Solid grey line
- EXISTING BRIDGE: Solid black rectangle
- PROPOSED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



EMPLOYER	PROJECT	DESIGN CONSULTANTS			Mr. Pushkar Poudel	Signature	Drawing Name	Scale: PLAN: 1:2500	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	Nec.No. 6146	Signature	PLAN AND PROFILE	PROFILE: HOR= 1:2500 VER= 1:250	Drawing No.
				Checked By	T.V.Rajeev	Signature		Reference Drawings	Chainage: (km 263+000 to km 264+000)
		Approved By	Haikrishna Bhavsar	Signature	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	Sheet No.			
		In Association With Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited							

← KAMALA

PATHLAIYA ➡



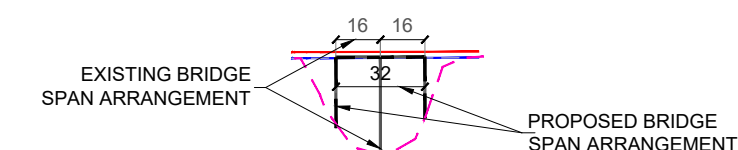
CHAINAGE	DESIGN SPEED (kmph)	SUPERELEVATION	VERTICAL CURVE DATA: MAIN CARRIAGEWAY LEFT - KERB EDGE	VERTICAL CURVE DATA: MAIN CARRIAGEWAY RIGHT - KERB EDGE	HORIZONTAL CURVE DATA: MAIN CARRIAGEWAY	EXISTING GROUND (15 M RIGHT)	EXISTING GROUND : (15 M LEFT)	EXISTING GROUND	FINISHED ROAD LEVEL MAIN CARRIAGEWAY RIGHT - KERB EDGE	FINISHED ROAD LEVEL MAIN CARRIAGEWAY LEFT - KERB EDGE
664000						212.500	212.958	213.859	214.317	214.317
664020						213.973	214.131	214.155	214.542	214.542
664040						212.625	213.056	214.404	214.766	214.766
664060						213.104	212.889	214.604	214.991	214.991
664080						213.093	213.363	214.983	215.216	215.216
664100						213.366	213.518	215.172	215.440	215.440
664120						213.773	213.827	215.394	215.665	215.665
664140						214.623	214.608	215.613	215.889	215.889
664160						214.488	214.427	215.854	216.114	216.114
664180						214.601	214.465	216.057	216.339	216.339
664200						215.437	214.885	216.263	216.563	216.563
664220						215.222	215.009	216.471	216.779	216.779
664240						214.960	214.871	216.705	216.979	216.979
664260						214.880	215.275	217.059	217.163	217.163
664280						215.317	214.777	217.104	217.332	217.332
664300						215.413	215.230	217.234	217.486	217.486
664320						216.080	215.665	217.349	217.624	217.624
664340						215.925	215.990	217.373	217.756	217.756
664360						216.399	216.042	217.391	217.888	217.888
664380						216.321	216.247	217.694	218.020	218.020
664400						216.440	217.884	217.866	218.152	218.152
664420						216.687	217.888	217.924	218.284	218.284
664440						216.798	217.680	218.162	218.416	218.416
664460						217.250	217.319	218.393	218.548	218.548
664480						217.954	217.313	218.417	218.680	218.680
664500						217.450	217.127	218.661	218.812	218.812
664520						217.453	216.884	218.734	218.944	218.944
664540						217.326	217.356	218.864	219.076	219.076
664560						218.642	217.957	219.067	219.208	219.208
664580						218.663	218.374	219.098	219.339	219.339
664600						218.725	218.590	219.359	219.471	219.471
664620						218.670	218.081	219.364	219.603	219.603
664640						219.063	218.643	219.776	219.735	219.735
664660						218.403	218.478	219.539	219.867	219.867
664680						218.442	218.901	219.610	219.999	219.999
664700						218.739	219.288	219.759	220.132	220.132
664720						218.545	219.735	219.860	220.284	220.285
664740						219.703	218.797	220.913	220.461	220.464
664760						218.719	219.394	219.954	220.663	220.669
664780						218.677	219.709	220.361	220.891	220.90

NOTES:

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LEGEND:

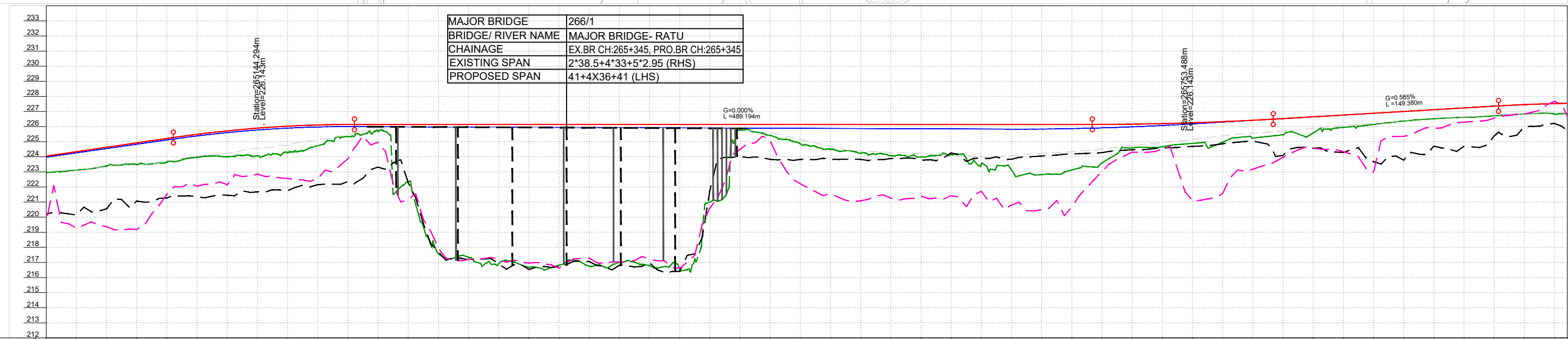
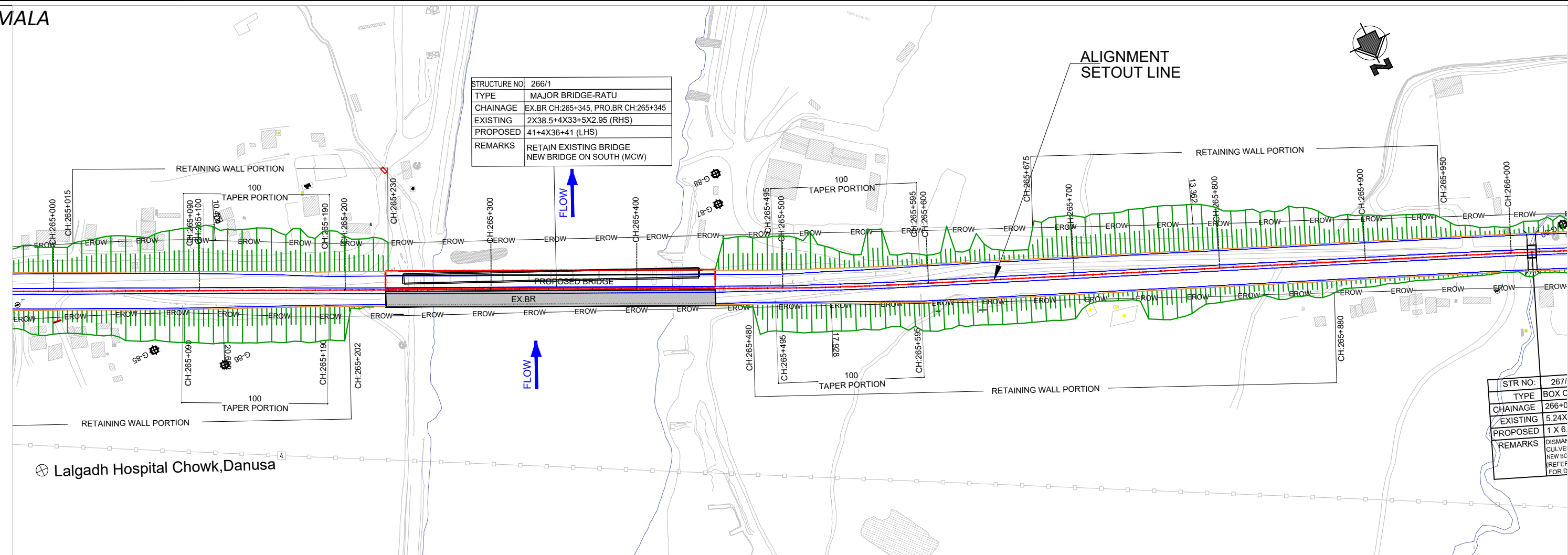
PROPOSED ALIGNMENT	
PROPOSED MAIN CARRIAGEWAY	
PROPOSED SERVICE ROAD	
PROPOSED CYCLE TRACK	
PROPOSED EARTHEN SHOULDER	
EXISTING CARRIAGEWAY	
EXISTING BRIDGE	
PROPOSED BRIDGE	
EXISTING RIGHT OF WAY	



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	Scale: PLAN: 1:2500 PROFILE: HOR= 1:2500 VER= 1:250	JUNE 2023	
		Checked By Nec.No. Mr. Signature	Approved By Nec.No. Mr. Signature		Reference Drawings 1.TYPICAL HORIZONTAL CURVE & ATTAINMENT OF SUPERELEVATION DETAILS- KDP/IDR/HIGHWAY/STD/001 2.HORIZONTAL CURVE DETAILS- KDP/IDR/HIGHWAY/STD/002 to 009 3.TYPICAL CROSS SECTIONS- KDP/IDR/HIGHWAY/TCS/ 001 to 004 4.TYPICAL CROSS SECTION SCHEDULE- KDP/IDR/HIGHWAY/TCS/ 005 to 007	Chainage: (km 264+000 to km 265+000)	Drawing No. KDP/IDR/HIGHWAY/PP-530 R(0)
		In Association With Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited			Sheet No.		

← KAMALA

PATHLAIYA ➡

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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, 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:

PROPOSED ALIGNMENT ————

PROPOSED MAIN CARRIAGEWAY ————

PROPOSED SERVICE ROAD ————

PROPOSED CYCLE TRACK ————

PROPOSED EARTHEN SHOULDER ————

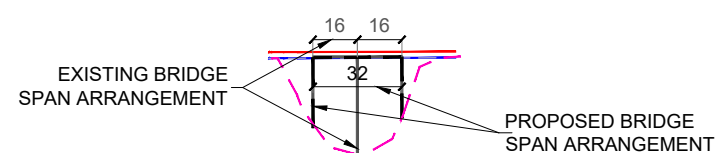
EXISTING CARRIAGEWAY ————

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

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
In Association With Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited			

Designed By	Mr. Pushkar Poudel Nec No. 6146
Checked By	Mr. T.V.Rajeev Nec No.
Approved By	Mr. Harikrishna Bh Nec No.

		Signature
		Signature
ar		Signature

Drawing Name	PLAN AND PROFILE
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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

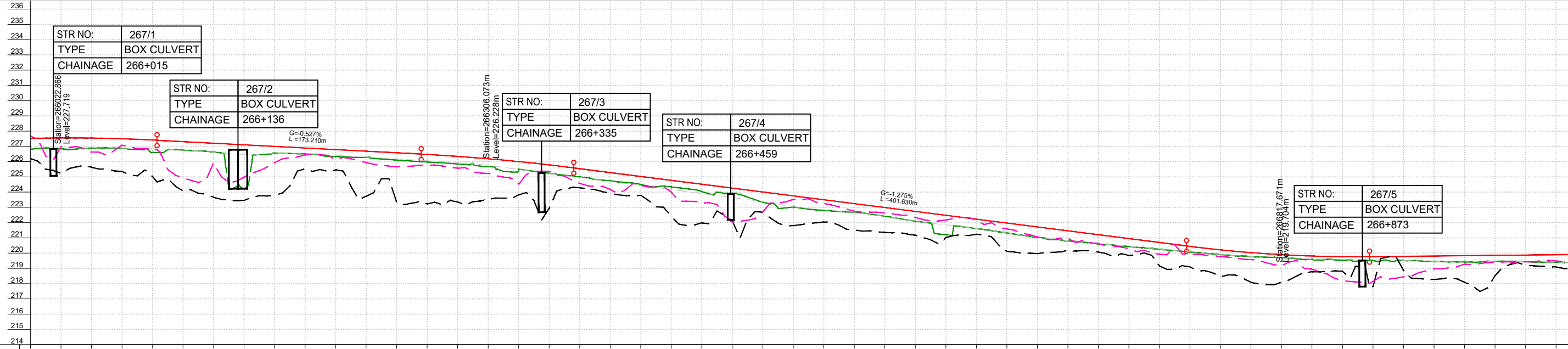
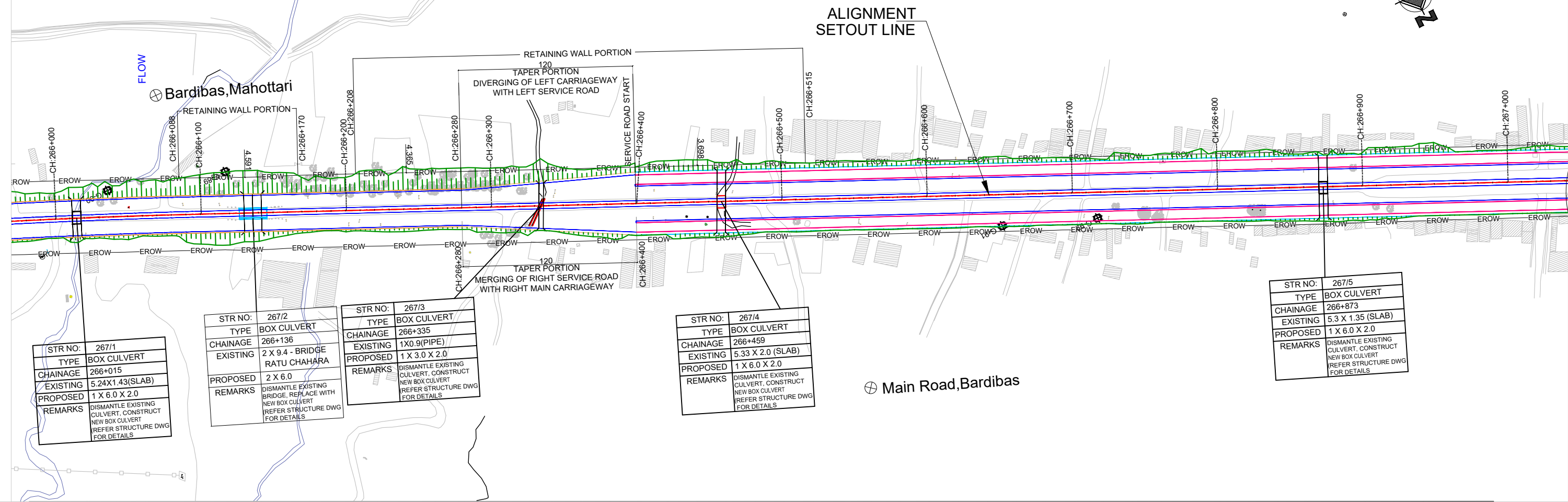
Scale:
PLAN: 1:2500
PROFILE: HOR= 1:2500
 VER= 1:250

Chainage:

Date:	JUNE 2023
Drawing No.	KDP/DPR/HIGHWAY/PP-531 R(0)
Sheet No.	

KAMALA

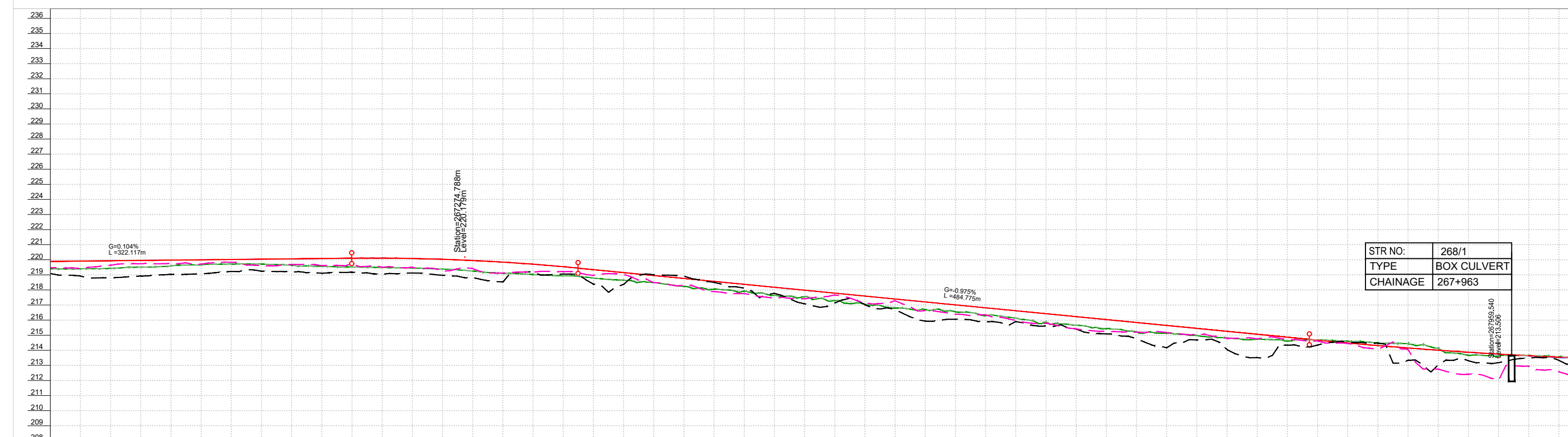
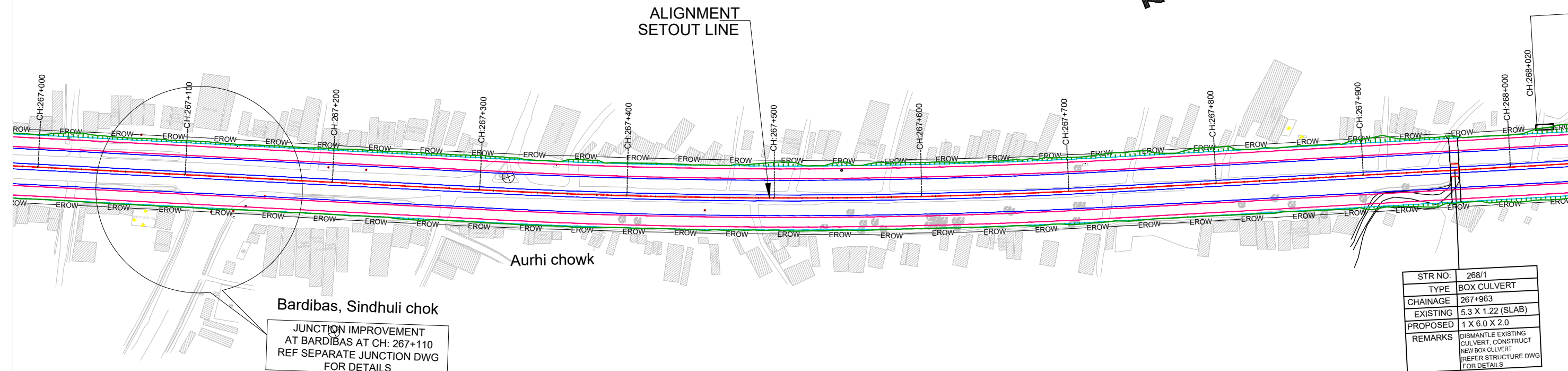
PATHLAIYA



FINISHED ROAD LEVEL MAIN CARRIAGEWAY LEFT - KERB EDGE	227.522	227.522	227.551	227.551	227.544	227.500	227.500	227.418	227.313	227.208	227.102	226.997	226.892	226.786	226.681	226.576	226.470	226.364	226.258	226.152	226.046	225.940	225.834	225.728	225.622	225.516	225.410	225.304	225.198	225.092	224.986	224.880	224.774	224.668	224.562	224.456	224.350	224.244	224.138	224.032	223.926	223.820	223.714	223.608	223.502	223.396	223.290	223.184	223.078	222.972	222.866	222.760	222.654	222.548	222.442	222.336	222.230	222.124	222.018	221.912	221.806	221.700	221.594	221.488	221.382	221.276	221.170	221.064	220.958	220.852	220.746	220.640	220.534	220.428	220.322	220.216	220.110	220.004	219.898	219.792	219.686	219.580	219.474	219.368	219.262	219.156	219.050	218.944	218.838	218.732	218.626	218.520	218.414	218.308	218.202	218.096	217.990	217.884	217.778	217.672	217.566	217.460	217.354	217.248	217.142	217.036	216.930	216.824	216.718	216.612	216.506	216.400	216.294	216.188	216.082	215.976	215.870	215.764	215.658	215.552	215.446	215.340	215.234	215.128	215.022	214.916	214.810	214.704	214.598	214.492	214.386	214.280	214.174	214.068	213.962	213.856	213.750	213.644	213.538	213.432	213.326	213.220	213.114	213.008	212.902	212.796	212.690	212.584	212.478	212.372	212.266	212.160	212.054	211.948	211.842	211.736	211.630	211.524	211.418	211.312	211.206	211.100	210.994	210.888	210.782	210.676	210.570	210.464	210.358	210.252	210.146	210.040	209.934	209.828	209.722	209.616	209.510	209.404	209.298	209.192	209.086	208.980	208.874	208.768	208.662	208.556	208.450	208.344	208.238	208.132	208.026	207.920	207.814	207.708	207.602	207.496	207.390	207.284	207.178	207.072	206.966	206.860	206.754	206.648	206.542	206.436	206.330	206.224	206.118	206.012	205.906	205.800	205.694	205.588	205.482	205.376	205.270	205.164	205.058	204.952	204.846	204.740	204.634	204.528	204.422	204.316	204.210	204.104	204.000	203.894	203.788	203.682	203.576	203.470	203.364	203.258	203.152	203.046	202.940	202.834	202.728	202.622	202.516	202.410	202.304	202.198	202.092	201.986	201.880	201.774	201.668	201.562	201.456	201.350	201.244	201.138	201.032	200.926	200.820	200.714	200.608	200.502	200.396	200.290	200.184	200.078	199.972	199.866	199.760	199.654	199.548	199.442	199.336	199.230	199.124	199.018	198.912	198.806	198.700	198.594	198.488	198.382	198.276	198.170	198.064	197.958	197.852	197.746	197.640	197.534	197.428	197.322	197.216	197.110	197.004	196.898	196.792	196.686	196.580	196.474	196.368	196.262	196.156	196.050	195.944	195.838	195.732	195.626	195.520	195.414	195.308	195.202	195.096	194.990	194.884	194.778	194.672	194.566	194.460	194.354	194.248	194.142	194.036	193.930	193.824	193.718	193.612	193.506	193.400	193.294	193.188	193.082	192.976	192.870	192.764	192.658	192.552	192.446	192.340	192.234	192.128	192.022	191.916	191.810	191.704	191.598	191.492	191.386	191.280	191.174	191.068	190.962	190.856	190.750	190.644	190.538	190.432	190.326	190.220	190.114	190.008	189.902	189.796	189.690	189.584	189.478	189.372	189.266	189.160	189.054	188.948	188.842	188.736	188.630	188.524	188.418	188.312	188.206	188.100	187.994	187.888	187.782	187.676	187.570	187.464	187.358	187.252	187.146	187.040	186.934	186.828	186.722	186.616	186.510	186.404	186.298	186.192	186.086	185.980	185.874	185.768	185.662	185.556	185.450	185.344	185.238	185.132	185.026	184.920	184.814	184.708	184.602	184.496	184.390	184.284	184.178	184.072	183.966	183.860	183.754	183.648	183.542	183.436	183.330	183.224	183.118	183.012	182.906	182.800	182.694	182.588	182.482	182.376	182.270	182.164	182.058	181.952	181.846	181.740	181.634	181.528	181.422	181.316	181.210	181.104	181.000	180.894	180.788	180.682	180.576	180.470	180.364	180.258	180.152	180.046	179.940	179.834	179.728	179.622	179.516	179.410	179.304	179.198	179.092	178.986	178.880	178.774	178.668	178.562	178.456	178.350	178.244	178.138	178.032	177.926	177.820	177.714	177.608	177.502	177.396	177.290	177.184	177.078	176.972	176.866	176.760	176.654	176.548	176.442	176.336	176.230	176.124	176.018	175.912	175.806	175.700	175.594	175.488	175.382	175.276	175.170	175.064	174.958	174.852	174.746	174.640	174.534	174.428	174.322	174.216	174.110	174.004	173.898	173.792	173.686	173.580	173.474	173.368	173.262	173.156	173.050	172.944	172.838	172.732	172.626	172.520	172.414	172.308	172.202	172.096	171.990	171.884	171.778	171.672	171.566	171.460	171.354	171.248	171.142	171.036	170.930	170.824	170.718	170.612	170.506	170.400	170.294	170.188	170.082	169.976	169.870	169.764	169.658	169.552	169.446	169.340	169.234	169.128	169.022	168.916	168.810	168.704	168.598	168.492	168.386	168.280	168.174	168.068	167.962	167.856	167.750	167.644	167.538	167.432	167.326	167.220	167.114	167.008	166.902	166.796	166.690	166.584	166.478	166.372	166.266	166.160	166.054	165.948	165.842	165.736	165.630	165.524	165.418	165.312	165.206	165.100	164.994	164.888	164.782	164.676	164.570	164.464	164.358	164.252	164.146	164.040	163.934	163.828	163.722	163.616	163.510	163.404	163.298	163.192	163.086	162.980	162.874	162.768	162.662	162.556	162.450	162.344	162.238	162.132	162.026	161.920	161.814	161.708	161.602	161.496	161.390	161.284	161.178	161.072	160.966	160.860	160.754	160.648	160.542	160.436	160.330	160.224	160.118	160.012	159.906	159.800	159.694	159.588	159.482	159.376	159.270	159.164	159.058	158.952	158.846	158.740	158.634	158.528	158.422	158.316	158.210	158.104	158.000	157.894	157.788	157.682	157.576	157.470	157.364	157.258	157.152	157.046	156.940	156.834	156.728	156.622	156.516	156.410	156.304	156.198	156.092	155.986	155.880	155.774	155.668	155.562	155.456	155.350	155.244	155.138	155.032	154.926	154.820	154.714	154.608	154.502	154.396	154.290	154.184	154.078	153.972	153.866	153.760	153.654	153.548	153.442	153.336	153.230	153.124	153.018	152.912	152.806	152.700	152.594	152.488	152.382	152.276	152.170	152.064	151.958	151.852	151.746	151.640	151.534	151.428	151.322	151.216	151.110	151.004	150.898	150.792	150.686	150.580	150.474	150.368	150.262	150.156	150.050	149.944	149.838	149.732	149.626	149.520	149.414	149.308	149.202	149.096	148.990	148.884	148.778	148.672	148.566	148.460	148.354	148.248	148.142	148.036	147.930	147.824	147.718	147.612	147.506	147.400	147.294	147.188	147.082	146.976	146.870	146.764	146.658	146.552	146.446	146.340	146.234	146.128	146.022	145.916	145.810	145.704	145.598	145.492	145.386	145.280	145.174	145.068	144.962	144.856	144.750	144.644	144.538	144.432	144.326	144.220	144.114	144.008	143.902	143.796	143.690	143.584	143.478	143.372	143.266	143.160	143.054	142.948	142.842	142.736	142.630	142.524	142.418	142.312	142.206	142.100	141.994	141.888	141.782	141.676	141.570	141.464	141.358	141.252	141.146	141.040	140.934	140.828	140.722	140.616	140.510	140.404	140.298	140.192	140.086	139.980	139.874	139.768	139.662	139.556	139.450	139.344	139.238	139.132	139.026	138.920	138.814	138.708	138.602	138.496	138.390	138.284	138.178	138.072	137.966	137.860	137.754	137.648	137.542	137.436	137.330	137.224	137.118	137.012	136.906	136.800	136.694	136.588	136.482	136.376	136.270	136.164	136.058	135.952	135.846	135.740	135.634	135.528	135.422	135.316	135.210	135.104	135.000	134.894	134.788	134.682	134.576	134.470	134.364	134.258	134.152	134.046	133.940	133.834	133.728	133.622	133.516	133.410	133.304	133.198	133.092	132.986	132.880	132.774	132.668	132.562	132.456	132.350	132.244	132.138	132.032	131.926	131.820	131.714	131.608	131.502	131.396	131.290	131.184	131.078	130.972	130.866	130.760	130.654	130.548
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← *KAMALA*

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NOTES:

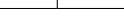
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LEGEND:

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

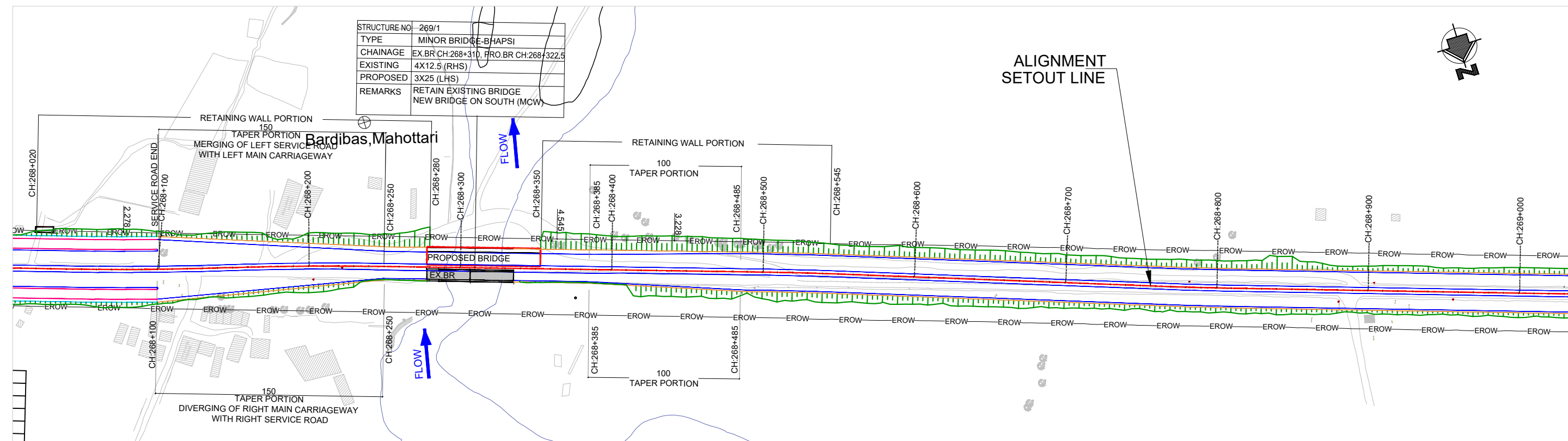
EXISTING BRIDGE SPAN ARRANGEMENT

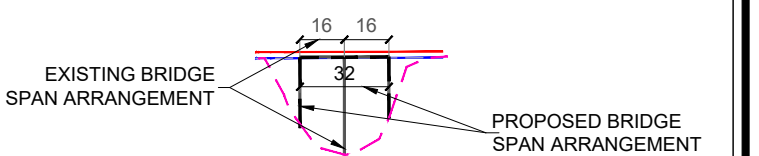
PROPOSED BRIDGE SPAN ARRANGEMENT

EMPLOYER		PROJECT		DESIGN CONSULTANTS		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 Nec.No. 6146 Signature 	PLAN AND PROFILE	PLAN: 1:2500 PROFILE: HOR= 1:2500 VER= 1:250	JUNE 2023	
		 EPTISA Servicios De Ingenieria Madrid, Spain	 STUP Consultants Private Limited Kolkatta, India	Checked By	Mr. T.V. Rajeev Signature 				
		In Association With		Approved By	Mr. Hari Krishna Bhavsar Signature 				
		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 267+000 to km 268+000)	Drawing No. KDP/DDR/HIGHWAY/PP-533 R(0)		
								Sheet No.	

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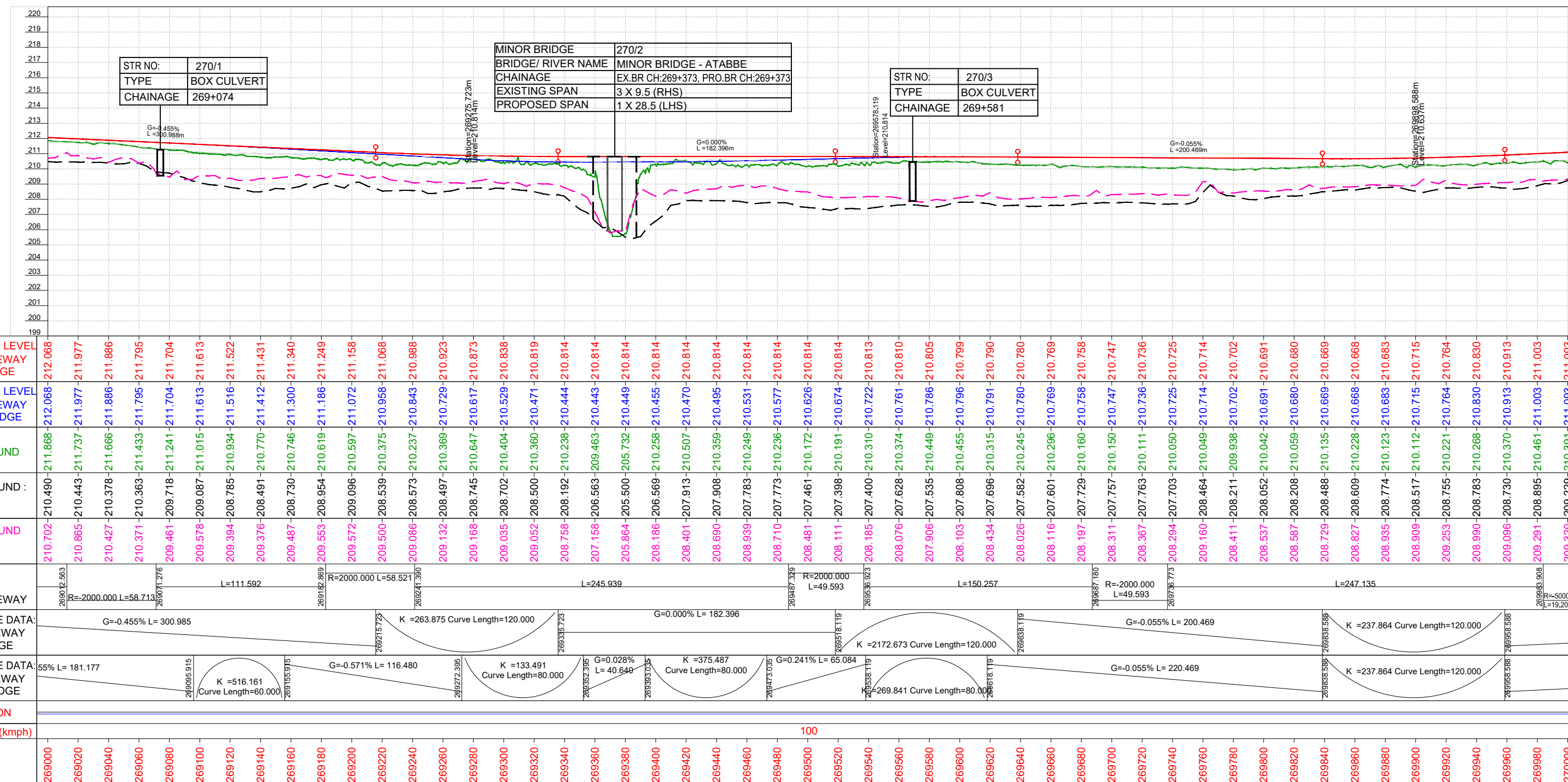
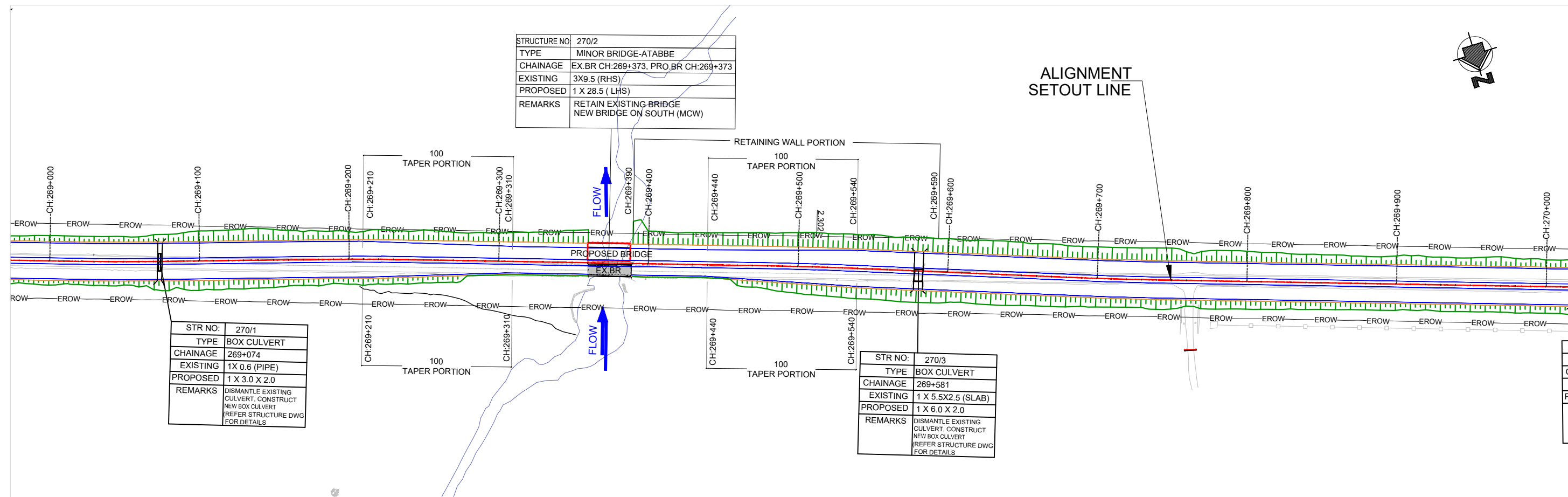
PATHLAIYA ➡





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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.
- FINISHED ROAD LEVELS ARE MEASURED w.r.t KERB EDGES OF RESPECTIVE CARRIAGEWAYS.
- SERVICE ROAD PROFILE ARE SET AS AN EXTENDED CROSS FALL OF MAIN ROAD IN ALL SECTIONS EXCEPT AT UNDERPASS SECTIONS.
- THE RIGHT OF WAY SHOWN IN THE PLAN IS MEASURED SYMMETRICALLY w.r.t EXISTING ROAD CENTRE.
- MEDIAN OPENINGS, BUSBAYS, LAYBYES, MAJOR JUNCTION LAYOUTS ARE PROVIDED IN SEPARATE DRAWING.
- SPAN ARRANGEMENTS SHOWN FOR BRIDGES, UNDERPASSES & CULVERTS ARE INDICATIVE. FOR DETAILS, REFER STRUCTURAL DRAWINGS.
- EARTHWORK SLOPES SHOWN IN PLAN FOR URBAN SECTION ARE INDICATIVE AND FOR ILLUSTRATION ONLY.
- THE LOCATION AND EXTEND OF EARTH RETAINING STRUCTURE BEYOND ROW SHOWN IN THE DRAWING SHALL BE ASCERTAINED BASED ON SITE SET OUT.
- 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

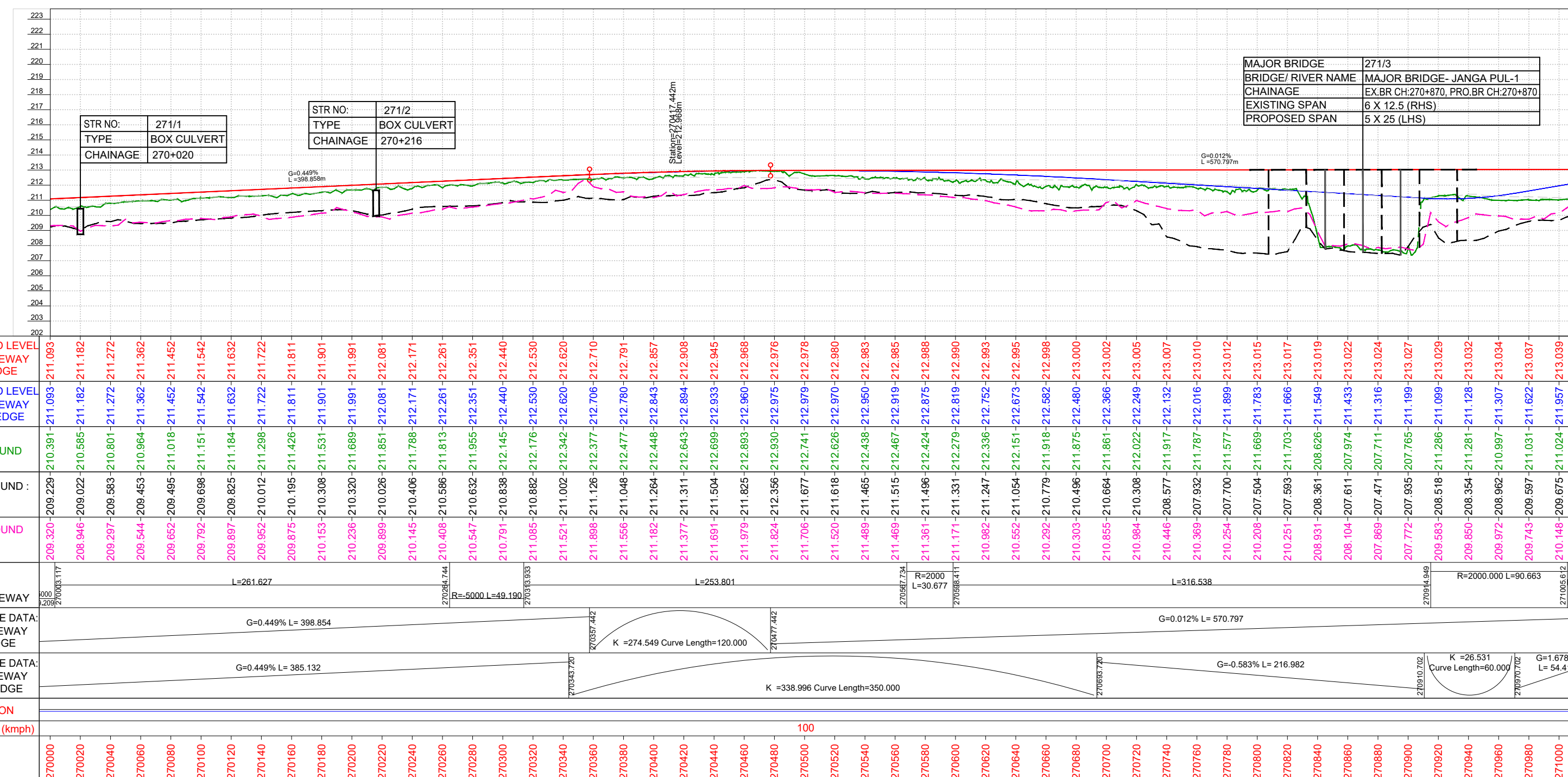
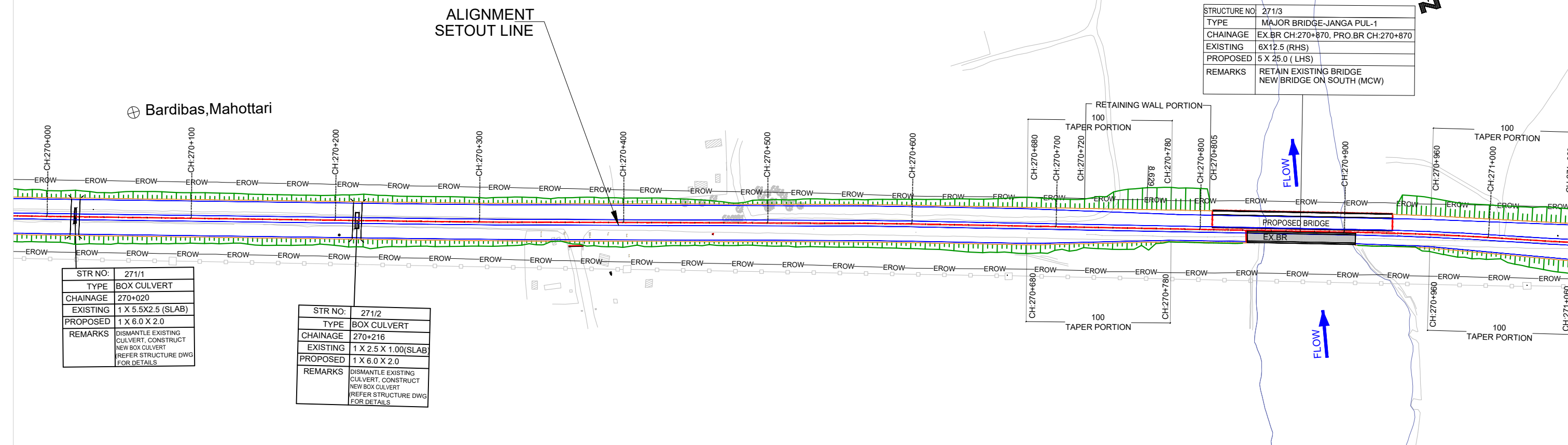
EXISTING BRIDGE SPAN ARRANGEMENT

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		Designed By Mr. Pushkar Poudel Nec.No. 6146 Checked By Mr. T.V. Rajeev Nec.No. Approved By Mr. Harikrishna Bhavsar Nec.No.	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 269+000 to km 270+000)	Date: JUNE 2023 Drawing No. KDP/DPR/HIGHWAY/PP-535 R(0) Sheet No.
		Joint Venture of					
		 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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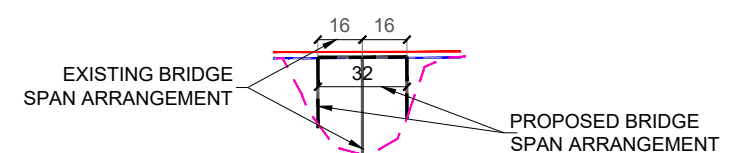
PATHLAIYA ➡



- ## NOTES:
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 2. HORIZONTAL GEOMETRY IS DESIGNED WITH RESPECT TO REFERENCE LINE OF ALIGNMENT AS SHOWN IN PLAN.
 3. FINISHED ROAD LEVELS ARE SET AS W.r.t KERB

LEGEND:

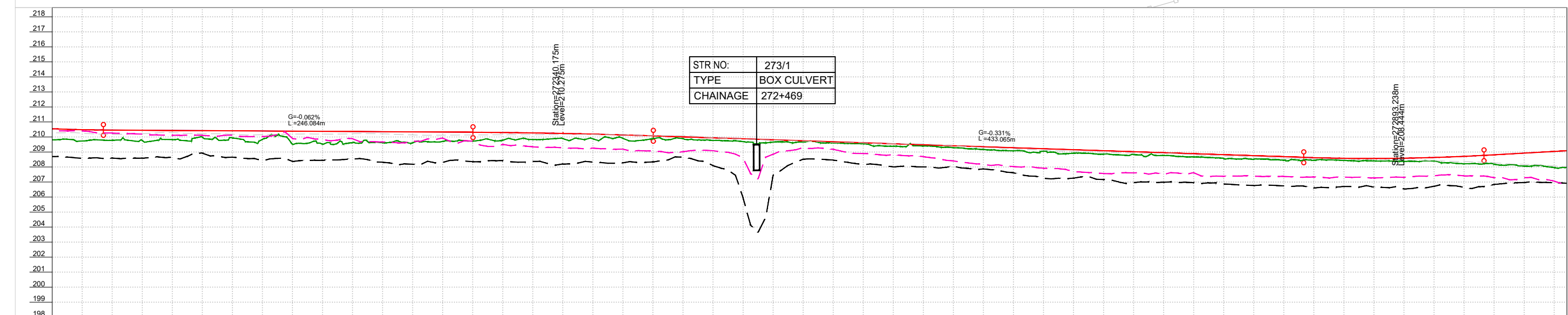
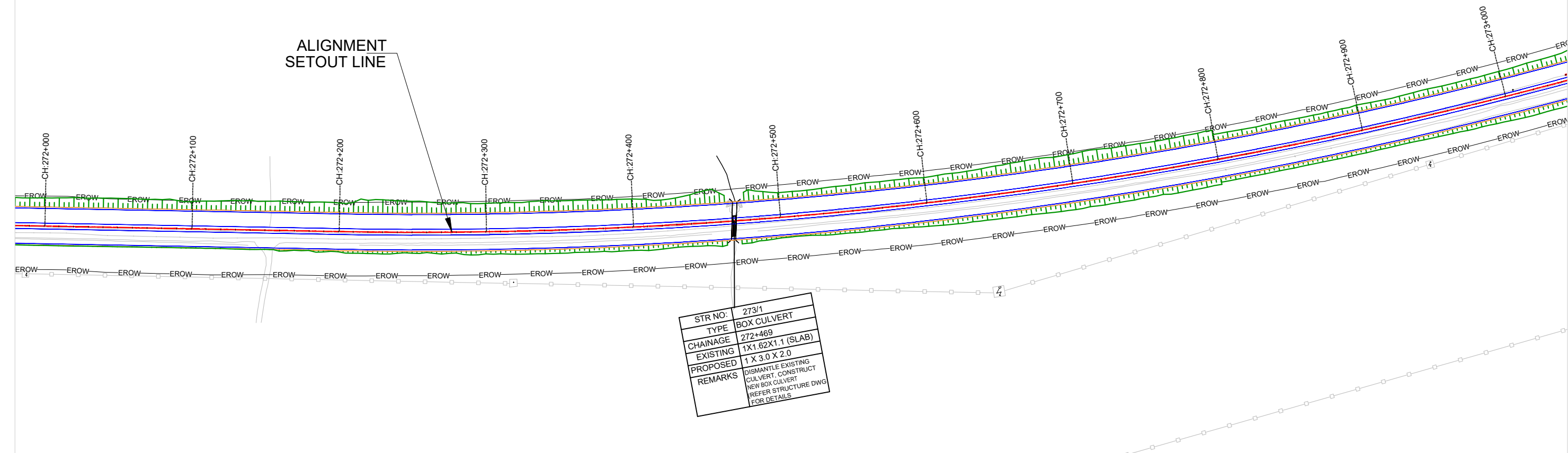
PROPOSED ALIGNMENT	---
PROPOSED MAIN CARRIAGEWAY	---
PROPOSED SERVICE ROAD	---
PROPOSED CYCLE TRACK	---
PROPOSED EARTHEN SHOULDER	---



EMPLOYER	PROJECT	DESIGN CONSULTANTS		Mr. Pushkar Poudel Nec.No. 6146	Signature	Drawing Name	Scale: PLAN: 1:2500 PROFILE: HOR= 1:2500 VER
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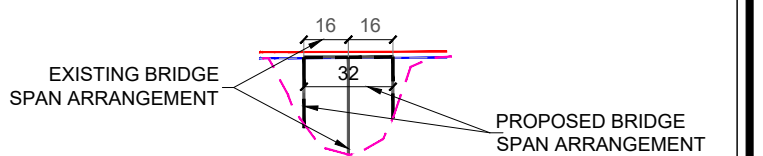
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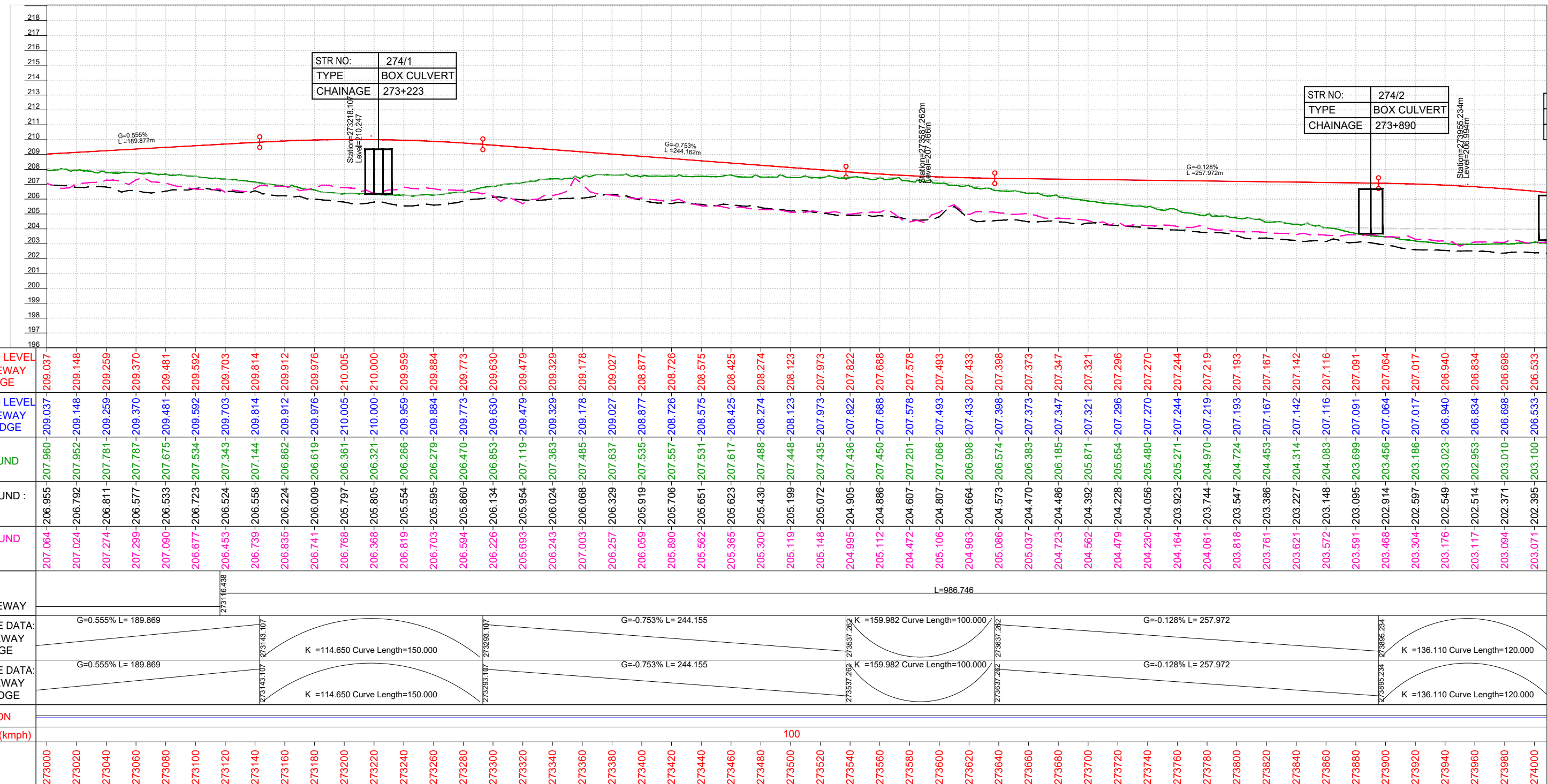
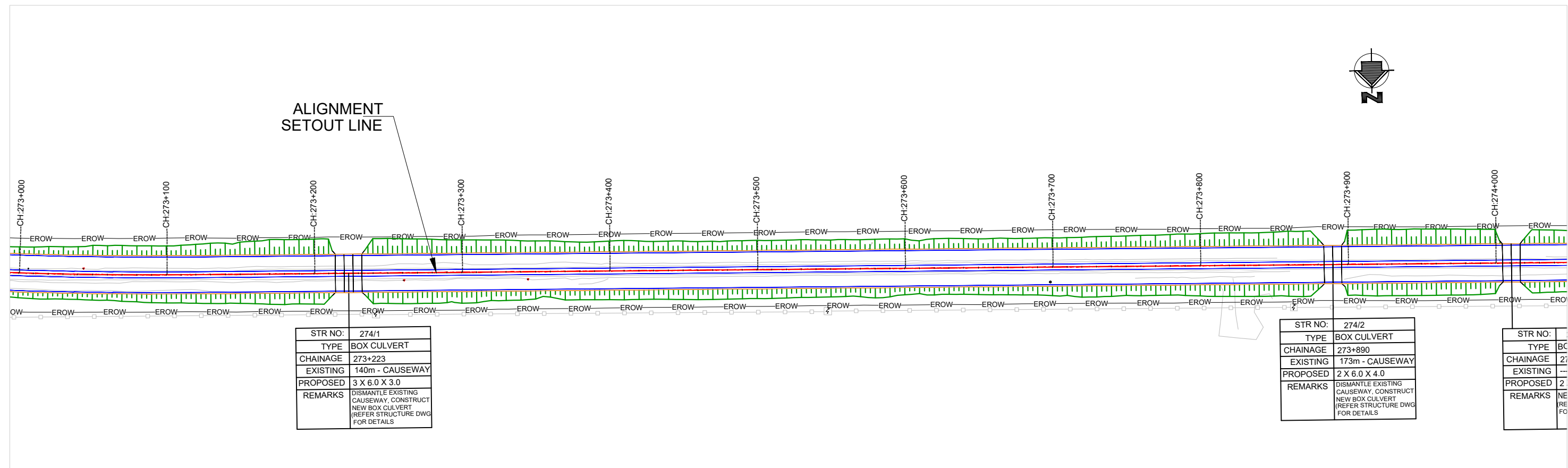
PROPOSED ALIGNMENT	---
PROPOSED MAIN CARRIAGEWAY	—
PROPOSED SERVICE ROAD	—
PROPOSED CYCLE TRACK	—
PROPOSED EARTHEN SHOULDER	—
EXISTING CARRIAGEWAY	—
EXISTING BRIDGE	
PROPOSED BRIDGE	
EXISTING RIGHT OF WAY	— EROW



EMPLOYER		PROJECT		DESIGN CONSULTANTS		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	Mr. Pushkar Poudel Nec.No. 6146  Signature	PLAN AND PROFILE	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		Checked By	Mr. T.V. Rajeev Nec.No.  Signature		Chainage: (km 272+000 to km 273+000)	Drawing No. KDP/DPR/HIGHWAY/PP-538 R(0)
						Approved By	Mr. Haikrishna 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	Sheet No.

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PATHLAIYA →



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- EXISTING CARRIAGEWAY
- EXISTING BRIDGE
- PROPOSED BRIDGE
- EXISTING RIGHT OF WAY

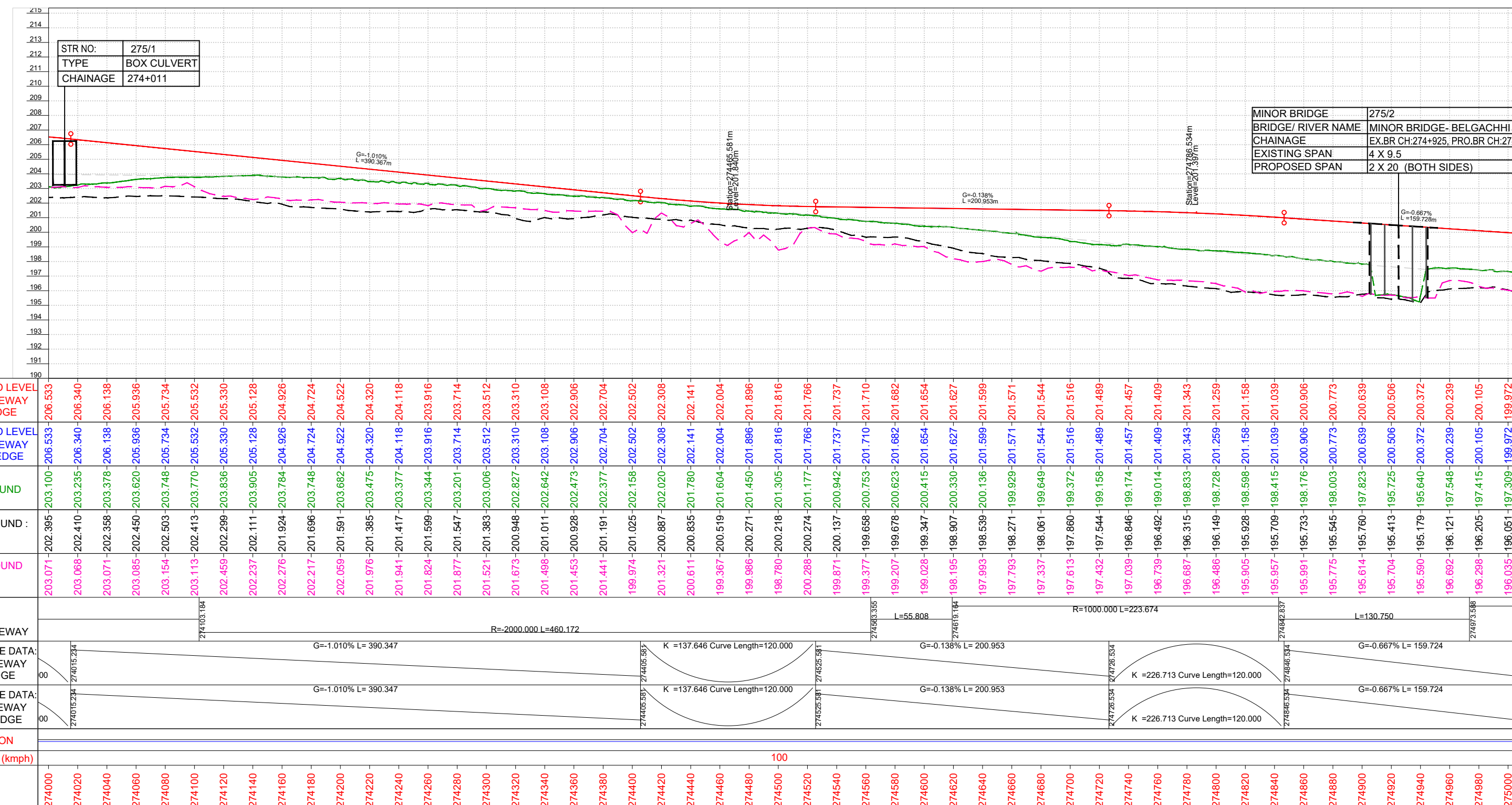
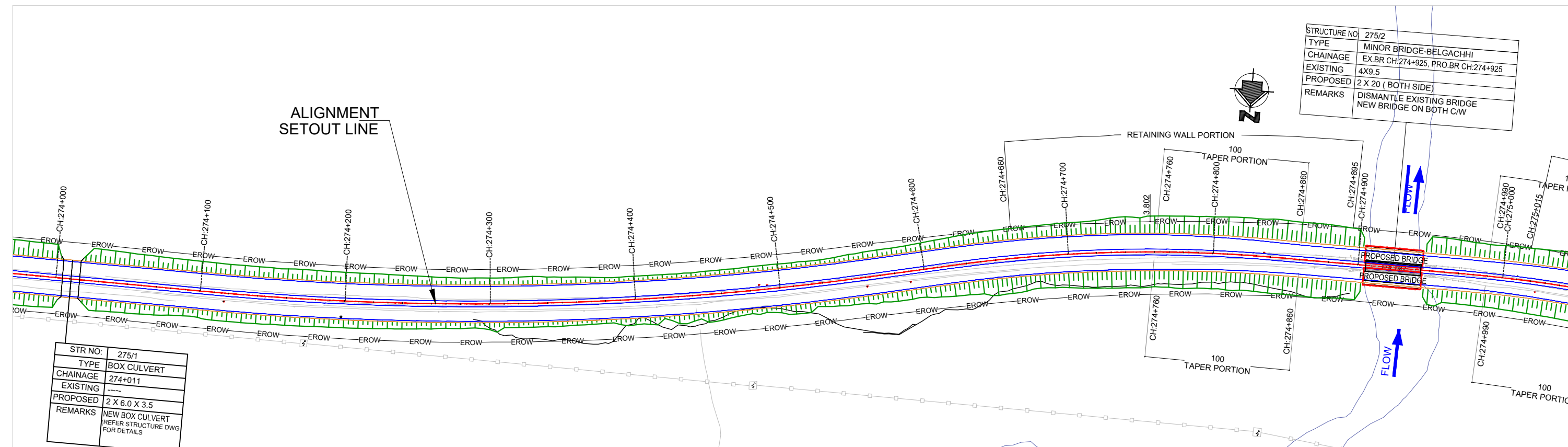
EXISTING BRIDGE
SPAN ARRANGEMENT

PROPOSED BRIDGE
SPAN ARRANGEMENT

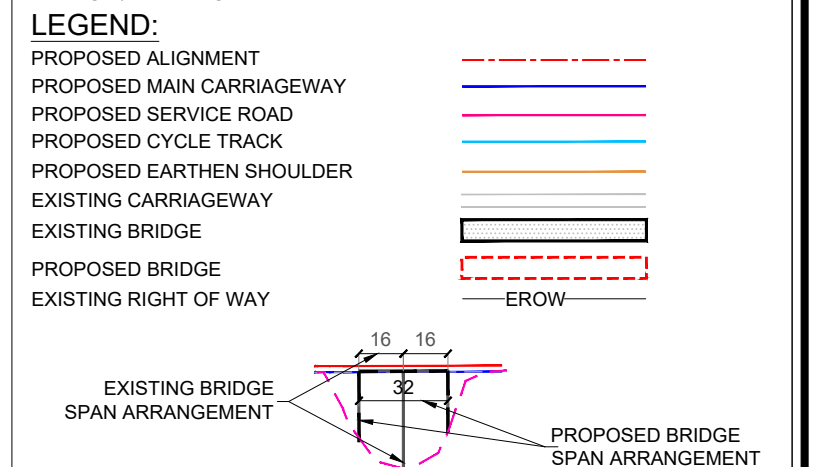
 Government of Nepal Ministry of Physical Infrastructure and Transport Department of Roads Development Cooperation Implementation Division	Strategic Road Connectivity & Trade Improvement Project (SRCTIP) Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges	 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	Designed By Mr. Pushkar Poudel Nec.No. 6146 Checked By Mr. T.V. Rajeev Nec.No. Approved By Mr. Harikrishna Bhavsar Nec.No.	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 273+000 to km 274+000)	Date: JUNE 2023 Drawing No. KDP/DPR/HIGHWAY/PP-539 R(0) Sheet No.
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PATHLAIYA



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	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						In Association With Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited
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