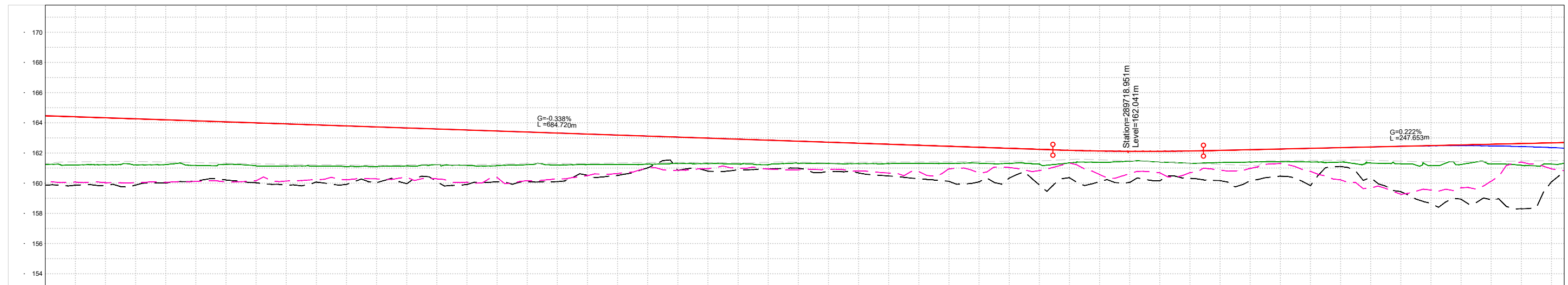
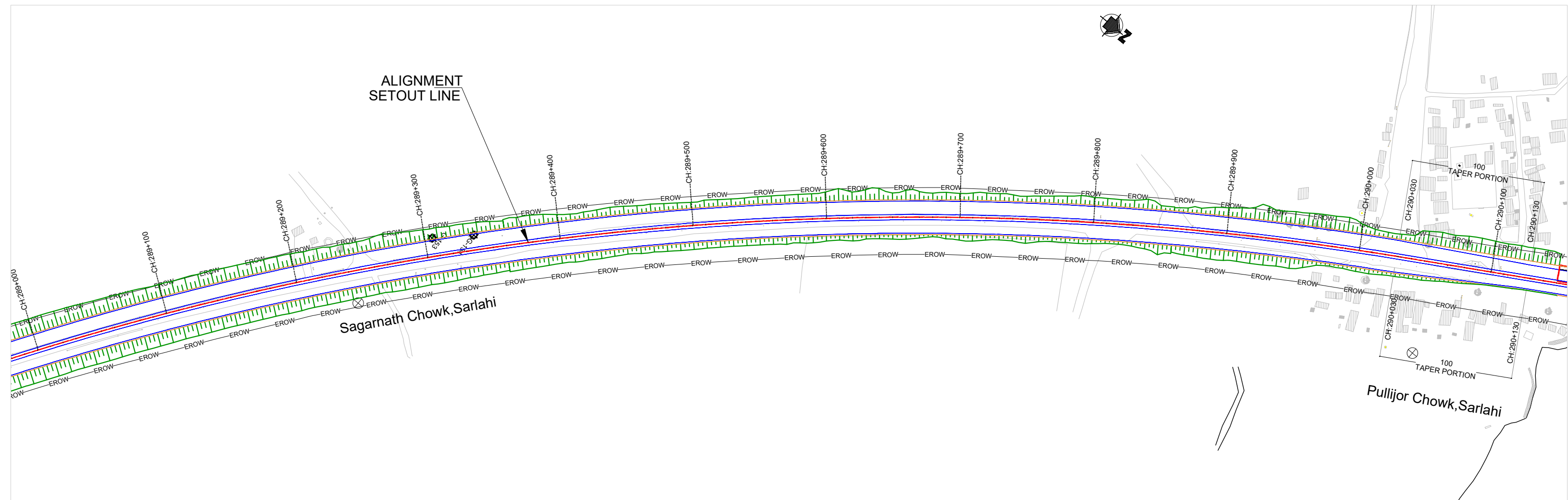


← KAMALA

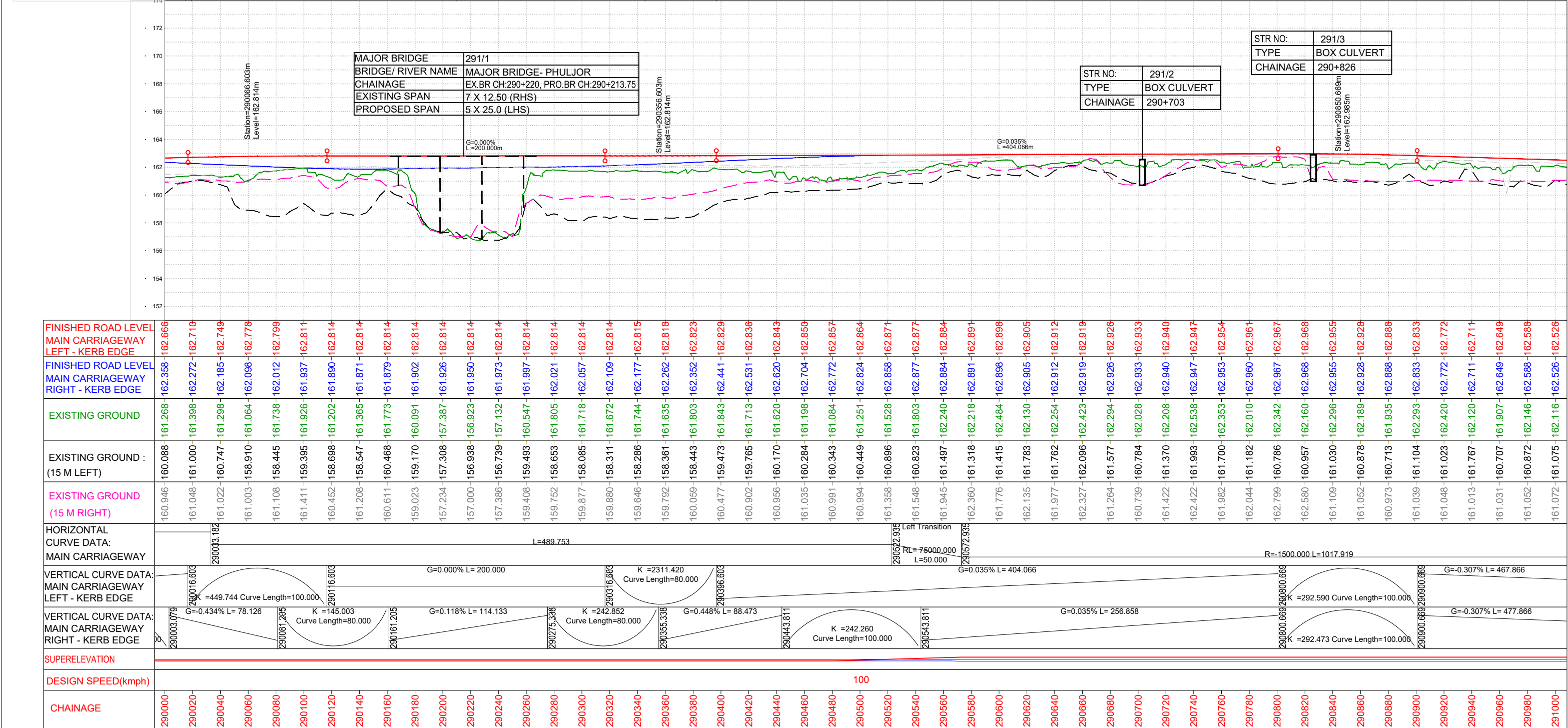
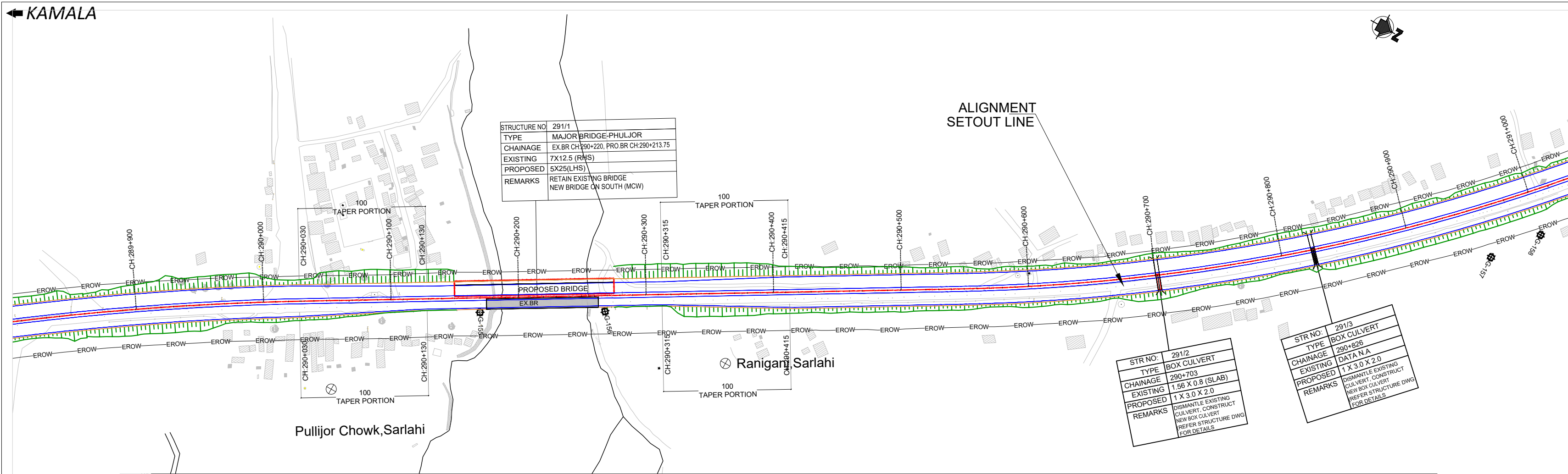
PATHLAIYA →



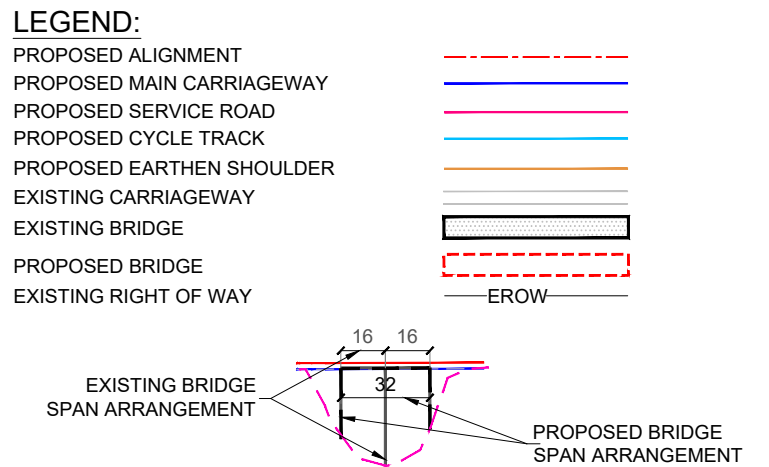
FINISHED ROAD LEVEL MAIN CARRIAGEWAY LEFT - KERB EDGE	164.471	164.471	164.403	164.336	164.268	164.200	164.133	164.065	163.998	163.930	163.862	163.795	163.727	163.660	163.592	163.524	163.457	163.389	163.322	163.254	163.187	163.119	163.051	162.984	162.916	162.849	162.781	162.713	162.646	162.578	162.511	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
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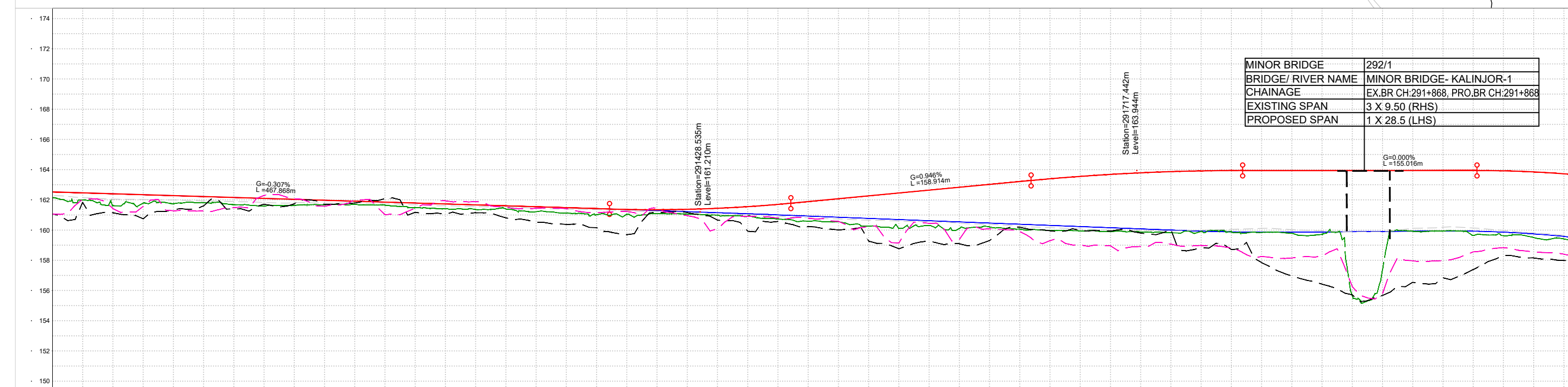
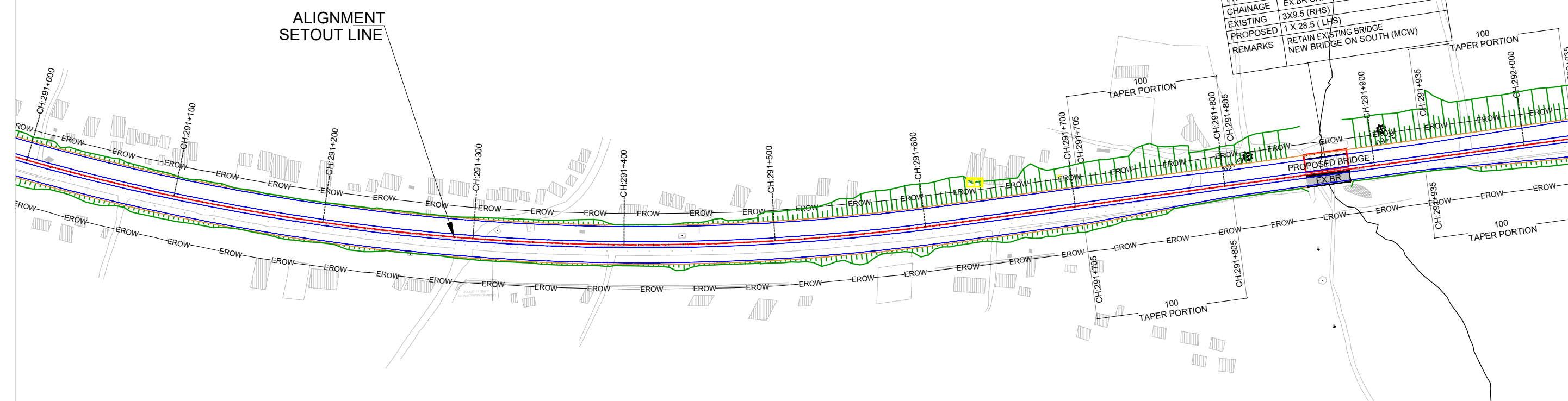
- NOTES:**
1. ALL DIMENSIONS, LEVELS AND CHAINAGES ARE IN METERS UNLESS OTHERWISE INDICATED.
 2. HORIZONTAL GEOMETRY IS DESIGNED WITH RESPECT TO REFERENCE LINE OF ALIGNMENT AS SHOWN IN PLAN.
 3. FINISHED ROAD LEVELS ARE MEASURED w.r.t KERB EDGES OF RESPECTIVE CARRIAGEWAYS.
 4. SERVICE ROAD PROFILE ARE 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 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.



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 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 290+000 to km 291+000)	Date: JUNE 2023 Drawing No. KDP/DPR/HIGHWAY/PP-557 R(0) Sheet No.

← KAMALA

PATHLAIYA ➡



FINISHED ROAD LEVEL MAIN CARRIAGEWAY LEFT - KERB EDGE	162.526	162.526	162.465	162.403	162.342	162.281	162.219	162.158	162.096	162.035	161.973	161.912	161.851	161.789	161.728	161.666	161.605	161.543	161.482	161.421	161.360	161.299	161.238	161.177	161.115	161.054	160.992	160.931	160.870	160.809	160.748	160.687	160.626	160.565	160.504	160.443	160.382	160.321	160.260	160.199	160.138	160.077	160.016	159.955	159.894	159.833	159.772	159.711	159.650	159.589	159.528	159.467	159.406	159.345	159.284	159.223	159.162	159.101	159.040	158.979	158.918	158.857	158.796	158.735	158.674	158.613	158.552	158.491	158.430	158.369	158.308	158.247	158.186	158.125	158.064	158.003	157.942	157.881	157.820	157.759	157.698	157.637	157.576	157.515	157.454	157.393	157.332	157.271	157.210	157.149	157.088	157.027	156.966	156.905	156.844	156.783	156.722	156.661	156.600	156.539	156.478	156.417	156.356	156.295	156.234	156.173	156.112	156.051	155.990	155.929	155.868	155.807	155.746	155.685	155.624	155.563	155.502	155.441	155.380	155.319	155.258	155.197	155.136	155.075	155.014	154.953	154.892	154.831	154.770	154.709	154.648	154.587	154.526	154.465	154.404	154.343	154.282	154.221	154.160	154.099	154.038	153.977	153.916	153.855	153.794	153.733	153.672	153.611	153.550	153.489	153.428	153.367	153.306	153.245	153.184	153.123	153.062	153.001	152.940	152.879	152.818	152.757	152.696	152.635	152.574	152.513	152.452	152.391	152.330	152.269	152.208	152.147	152.086	152.025	151.964	151.903	151.842	151.781	151.720	151.659	151.598	151.537	151.476	151.415	151.354	151.293	151.232	151.171	151.110	151.049	150.988	150.927	150.866	150.805	150.744	150.683	150.622	150.561	150.500	150.439	150.378	150.317	150.256	150.195	150.134	150.073	150.012	149.951	149.890	149.829	149.768	149.707	149.646	149.585	149.524	149.463	149.402	149.341	149.280	149.219	149.158	149.097	149.036	148.975	148.914	148.853	148.792	148.731	148.670	148.609	148.548	148.487	148.426	148.365	148.304	148.243	148.182	148.121	148.060	147.999	147.938	147.877	147.816	147.755	147.694	147.633	147.572	147.511	147.450	147.389	147.328	147.267	147.206	147.145	147.084	147.023	146.962	146.901	146.840	146.779	146.718	146.657	146.596	146.535	146.474	146.413	146.352	146.291	146.230	146.169	146.108	146.047	145.986	145.925	145.864	145.803	145.742	145.681	145.620	145.559	145.498	145.437	145.376	145.315	145.254	145.193	145.132	145.071	145.010	144.949	144.888	144.827	144.766	144.705	144.644	144.583	144.522	144.461	144.400	144.339	144.278	144.217	144.156	144.095	144.034	143.973	143.912	143.851	143.790	143.729	143.668	143.607	143.546	143.485	143.424	143.363	143.302	143.241	143.180	143.119	143.058	142.997	142.936	142.875	142.814	142.753	142.692	142.631	142.570	142.509	142.448	142.387	142.326	142.265	142.204	142.143	142.082	142.021	141.960	141.899	141.838	141.777	141.716	141.655	141.594	141.533	141.472	141.411	141.350	141.289	141.228	141.167	141.106	141.045	140.984	140.923	140.862	140.801	140.740	140.679	140.618	140.557	140.496	140.435	140.374	140.313	140.252	140.191	140.130	140.069	140.008	139.947	139.886	139.825	139.764	139.703	139.642	139.581	139.520	139.459	139.398	139.337	139.276	139.215	139.154	139.093	139.032	138.971	138.910	138.849	138.788	138.727	138.666	138.605	138.544	138.483	138.422	138.361	138.300	138.239	138.178	138.117	138.056	137.995	137.934	137.873	137.812	137.751	137.690	137.629	137.568	137.507	137.446	137.385	137.324	137.263	137.202	137.141	137.080	137.019	136.958	136.897	136.836	136.775	136.714	136.653	136.592	136.531	136.470	136.409	136.348	136.287	136.226	136.165	136.104	136.043	135.982	135.921	135.860	135.799	135.738	135.677	135.616	135.555	135.494	135.433	135.372	135.311	135.250	135.189	135.128	135.067	135.006	134.945	134.884	134.823	134.762	134.701	134.640	134.579	134.518	134.457	134.396	134.335	134.274	134.213	134.152	134.091	134.030	133.969	133.908	133.847	133.786	133.725	133.664	133.603	133.542	133.481	133.420	133.359	133.298	133.237	133.176	133.115	133.054	132.993	132.932	132.871	132.810	132.749	132.688	132.627	132.566	132.505	132.444	132.383	132.322	132.261	132.200	132.139	132.078	132.017	131.956	131.895	131.834	131.773	131.712	131.651	131.590	131.529	131.468	131.407	131.346	131.285	131.224	131.163	131.102	131.041	130.980	130.919	130.858	130.797	130.736	130.675	130.614	130.553	130.492	130.431	130.370	130.309	130.248	130.187	130.126	130.065	130.004	129.943	129.882	129.821	129.760	129.699	129.638	129.577	129.516	129.455	129.394	129.333	129.272	129.211	129.150	129.089	129.028	128.967	128.906	128.845	128.784	128.723	128.662	128.601	128.540	128.479	128.418	128.357	128.296	128.235	128.174	128.113	128.052	127.991	127.930	127.869	127.808	127.747	127.686	127.625	127.564	127.503	127.442	127.381	127.320	127.259	127.198	127.137	127.076	127.015	126.954	126.893	126.832	126.771	126.710	126.649	126.588	126.527	126.466	126.405	126.344	126.283	126.222	126.161	126.100	126.039	125.978	125.917	125.856	125.795	125.734	125.673	125.612	125.551	125.490	125.429	125.368	125.307	125.246	125.185	125.124	125.063	125.002	124.941	124.880	124.819	124.758	124.697	124.636	124.575	124.514	124.453	124.392	124.331	124.270	124.209	124.148	124.087	124.026	123.965	123.904	123.843	123.782	123.721	123.660	123.599	123.538	123.477	123.416	123.355	123.294	123.233	123.172	123.111	123.050	122.989	122.928	122.867	122.806	122.745	122.684	122.623	122.562	122.501	122.440	122.379	122.318	122.257	122.196	122.135	122.074	122.013	121.952	121.891	121.830	121.769	121.708	121.647	121.586	121.525	121.464	121.403	121.342	121.281	121.220	121.159	121.098	121.037	120.976	120.915	120.854	120.793	120.732	120.671	120.610	120.549	120.488	120.427	120.366	120.305	120.244	120.183	120.122	120.061	120.000	119.939	119.878	119.817	119.756	119.695	119.634	119.573	119.512	119.451	119.390	119.329	119.268	119.207	119.146	119.085	119.024	118.963	118.902	118.841	118.780	118.719	118.658	118.597	118.536	118.475	118.414	118.353	118.292	118.231	118.170	118.109	118.048	117.987	117.926	117.865	117.804	117.743	117.682	117.621	117.560	117.499	117.438	117.377	117.316	117.255	117.194	117.133	117.072	117.011	116.950	116.889	116.828	116.767	116.706	116.645	116.584	116.523	116.462	116.401	116.340	116.279	116.218	116.157	116.096	116.035	115.974	115.913	115.852	115.791	115.730	115.669	115.608	115.547	115.486	115.425	115.364	115.303	115.242	115.181	115.120	115.059	114.998	114.937	114.876	114.815	114.754	114.693	114.632	114.571	114.510	114.449	114.388	114.327	114.266	114.205	114.144	114.083	114.022	113.961	113.900	113.839	113.778	113.717	113.656	113.595	113.534	113.473	113.412	113.351	113.290	113.229	113.168	113.107	113.046	112.985	112.924	112.863	112.802	112.741	112.680	112.619	112.558	112.497	112.436	112.375	112.314	112.253	112.192	112.131	112.070	112.009	111.948	111.887	111.826	111.765	111.704	111.643	111.582	111.521	111.460	111.399	111.338	111.277	111.216	111.155	111.094	111.033	110.972	110.911	110.850	110.789	110.728	110.667	110.606	110.545	110.484	110.423	110.362	110.301	110.240	110.179	110.118	110.057	110.000	109.940	109.880	109.820	109.760	109.700	109.640	109.580	109.520	109.460	109.400	109.340	109.280	109.220	109.160	109.100	109.040	108.980	108.920	108.860	108.800	108.740	108.680	108.620	108.560	108.500	108.440	108.380	108.320	108.260	108.200	108.140	108.080	108.020	107.960	107.900	107.840	107.780	107.720	107.660	107.600	107.540	107.480	107.420	107.360	107.300	107.240	107.180	107.120	107.060	107.000	106.940	106.880	106.820	106.760	106.700	106.640	106.580	106.520	106.460	106.400	106.340	106.280	106.220	106.160	106.100	106.040	105.980	105.920	105.860	105.800	105.740	105.680	105.620	105.560	105.500	105.440	105.380	105.320	105.260	105.200	105.140	105.080	105.020	104.960	104.900	104.840	104.780	104.720	104.660	104.600	104.540	104.480	104.420	104.360	104.300	104.240	104.180	104.120	104.060	104.000	103.940	103.880	103.820	103.760	103.700	103.640	103.580	103.520	103.460	103.400	103.340	103.280	103.220	103.160	103.100	103.040	102.980	102.920	102.860	102.800	102.740	102.680	102.620	102.560	102.500	102.440	102.380	102.320	102.260	102.200	102.140	102.080	102.020	101.960	101.900	101.840	101.780	101.720	101.660	101.600	101.540	101.480	101.420	101.360	101.300	101.240	101.180	101.120	101.060	101.000	100.940	100.880	100.820	100.760	100.700	100.640	100.580	100.520	100.460	100.400	100.340	100.280	100.220	100.160	100.100	100.040	100.00
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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 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 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

The diagram illustrates the proposed bridge crossing over the existing bridge. The legend defines the following elements:

- PROPOSED ALIGNMENT:** Indicated by a red dashed line.
- PROPOSED MAIN CARRIAGEWAY:** Indicated by a blue solid line.
- PROPOSED SERVICE ROAD:** Indicated by a magenta solid line.
- PROPOSED CYCLE TRACK:** Indicated by a cyan solid line.
- PROPOSED EARTHEN SHOULDER:** Indicated by an orange solid line.
- EXISTING CARRIAGEWAY:** Indicated by a grey solid line.
- EXISTING BRIDGE:** Indicated by a black hatched rectangle.
- PROPOSED BRIDGE:** Indicated by a red dashed rectangle.
- EXISTING RIGHT OF WAY:** Indicated by a black solid line.

The plan view shows the bridge crossing with a central span of 32 units and two side spans of 16 units each. The existing bridge is shown as a black hatched rectangle, and the proposed bridge is shown as a red dashed rectangle. The existing right of way is indicated by a black solid line. The proposed alignment is shown as a red dashed line. The proposed main carriageway, service road, cycle track, and earthen shoulder are shown as solid lines of different colors.

EXISTING BRIDGE SPAN ARRANGEMENT

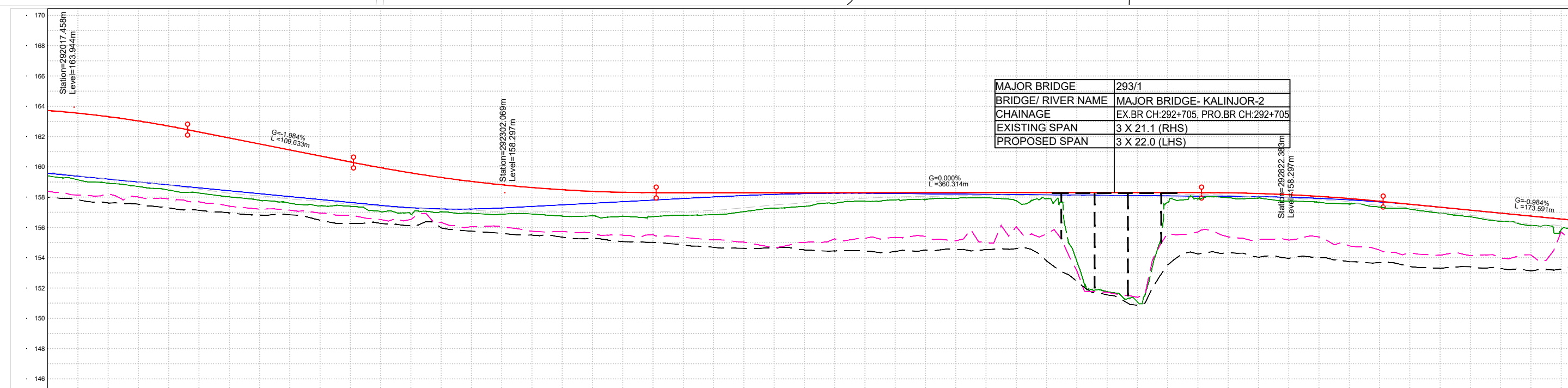
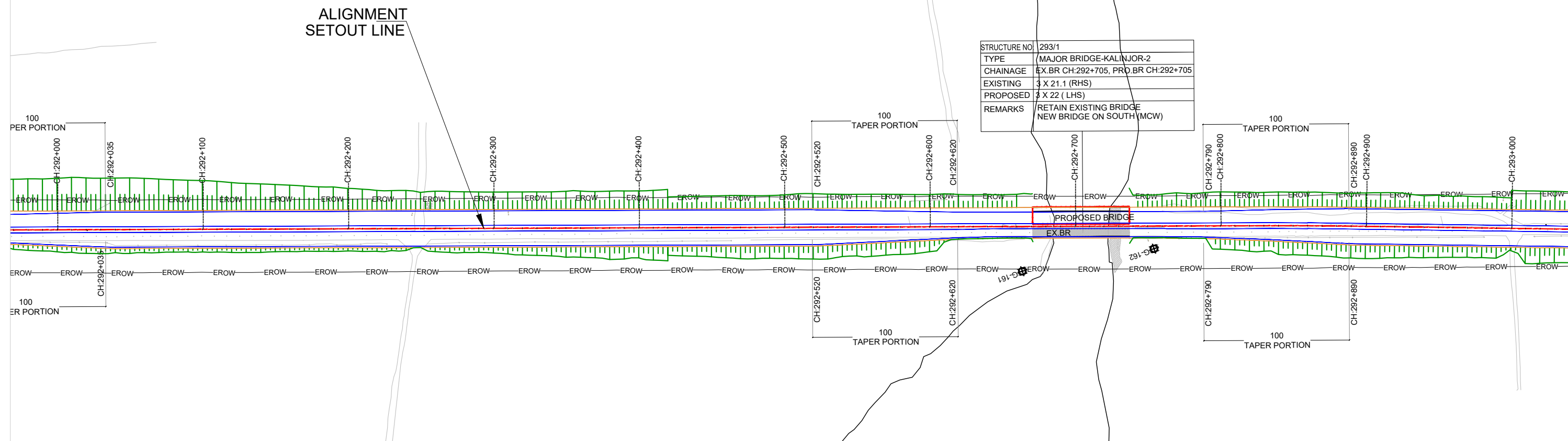
PROPOSED BRIDGE SPAN ARRANGEMENT

—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-Pathaiya 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		PLAN: 1:2500	JUNE 2023		
			Nec.No. 6146	Signature	PROF: 1:2500 VER= 1:250	Drawing No.		
		Checked By		In Association With Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited	Nec.No.	Signature	Chainage:	KDP/DR/HIGHWAY/PP-558 R(0)
		Approved By			Nec.No.	Signature	1.TYPICAL HORIZONTAL CURVE & ATTAINMENT OF SUPERELEVATION DETAILS- KDP/DR/HIGHWAY/STD/001 2.HORIZONTAL CURVE DETAILS- KDP/DR/HIGHWAY/STD/002 TO 009 3.TYPICAL CROSS SECTIONS- KDP/DR/HIGHWAY/TCS/ 001 TO 004 4.TYPICAL CROSS SECTION SCHEDULE- KDP/DR/HIGHWAY/TCS/ 005 TO 007	(km 291+000 to km 292+000)

← KAMALA

PATHLAIYA ➡

[illegible]

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

LEGEND:

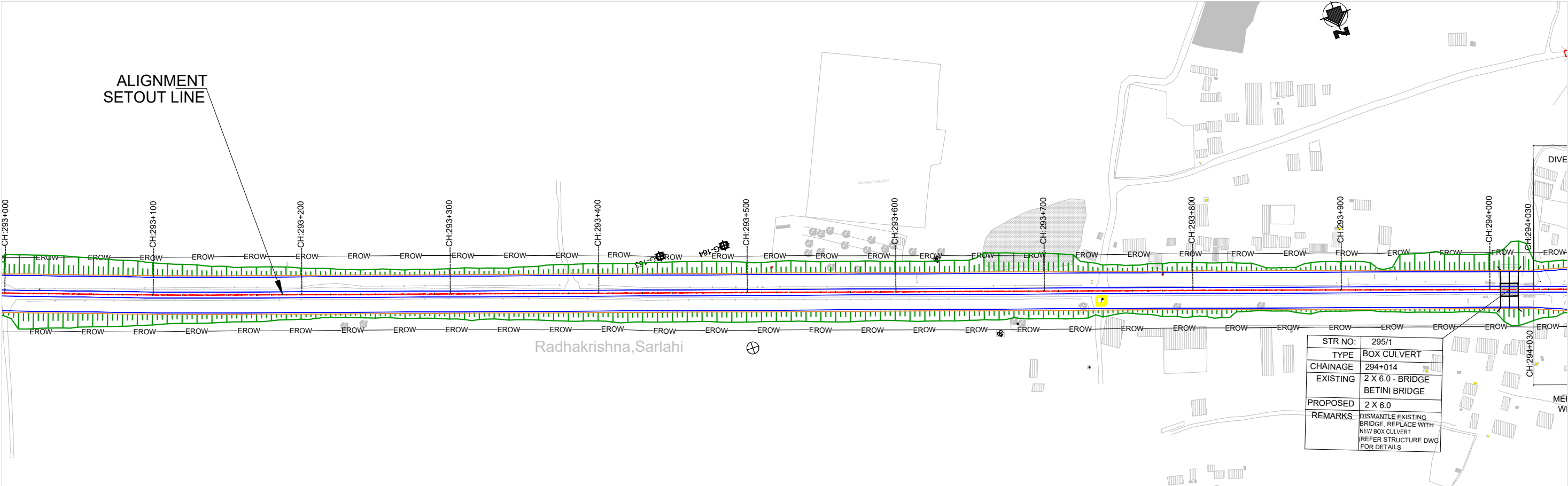
- PROPOSED ALIGNMENT
- PROPOSED MAIN CARRIAGEWAY
- PROPOSED SERVICE ROAD
- PROPOSED CYCLE TRACK
- PROPOSED EARTHEN SHOULDER
- EXISTING CARRIAGEWAY
- EXISTING BRIDGE
- PROPOSED BRIDGE
- EXISTING RIGHT OF WAY

The plan view shows the bridge layout with dimensions. The existing bridge has a central span of 32 and two side spans of 16. The proposed bridge has a central span of 32 and two side spans of 16. The existing bridge is shown in black, and the proposed bridge is shown in red. The existing right of way is shown as a dashed line.

EMPLOYER	PROJECT	DESIGN CONSULTANTS		Designed By	Signature	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 Ingenieria Madrid, Spain	 STUP Consultants Private Limited Kolkatta, India	Mr. Pushkar Poudel		PLAN AND PROFILE	PLAN: 1:2500 PROFILE: HOR= 1:2500 VER= 1:250	JUNE 2023		
		In Association With		Checked By	Signature		Reference Drawings 1.TYPICAL HORIZONTAL CURVE & ATTAINMENT OF SUPERELEVATION DETAILS- KP/IDDR/HIGHWAY/STD/001 2.HORIZONTAL CURVE DETAILS- KP/IDDR/HIGHWAY/STD/002 TO 009 3.TYPICAL CROSS SECTIONS- KP/IDDR/HIGHWAY/TCS/ 001 TO 004 4.TYPICAL CROSS SECTION SCHEDULE- KP/IDDR/HIGHWAY/TCS/ 005 TO 007	(km 292+000 to km 293+000)	Drawing No. KDP/IDDR/HIGHWAY/PP-559 R(0)	Sheet No.
		Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited		Mr. T.V. Rajeev						
				Approved By	Mr. Hanrikishna Bhavsar 					

← KAMALA

PATHLAIYA ➡



HORIZONTAL CURVE DETAILS		
CURVE NUMBER		75
Chainage		293+656.831
DESIGN SPEED		100 Kmph
RADIUS (m)		10000.000
CURVE LENGTH (m)		24.932
Total Deflection		0° 8' 34.254"
TRANSITION LENGTH (m)	LEADING (m)	0.000
	TRAILING (m)	0.000
Crossfall		
Tangent Length		12.466
Es (Apex Distance)		0.008

HORIZONTAL CURVE DETAILS		
CURVE NUMBER		76
Chainage		293+802.978
DESIGN SPEED		100 Kmph
RADIUS (m)		-3000.000
CURVE LENGTH (m)		108.443
Total Deflection		2° 4' 15.993"
TRANSITION LENGTH (m)	LEADING (m)	0.000
	TRAILING (m)	0.000
Crossfall		
Tangent Length		54.227
Es (Apex Distance)		0.490

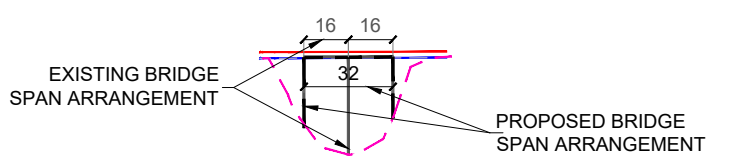
HORIZONTAL CURVE DETAILS		
CURVE NUMBER		77
Chainage		293+943.755
DESIGN SPEED		100 Kmph
RADIUS (m)		2000.000
CURVE LENGTH (m)		72.026
Total Deflection		2° 3' 48.259"
TRANSITION LENGTH (m)	LEADING (m)	0.000
	TRAILING (m)	0.000
Crossfall		
Tangent Length		36.017
Es (Apex Distance)		0.324

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 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:

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



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
156.550	156.590	155.838	153.241	155.702	<					

EMPLOYER

PROJECT

DESIGN CONSULTANTS

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Mr.
Ruehker Beudel

Pr...

Drawing Name

me

Scale:

PLAN: 1:2500

Date:

JUNE 2023

Drawing No.	
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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
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

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Mr.

AS-100

Approved By	Harikrishna Bhavsar
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12

3. TYPICAL CROSS SECTION

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

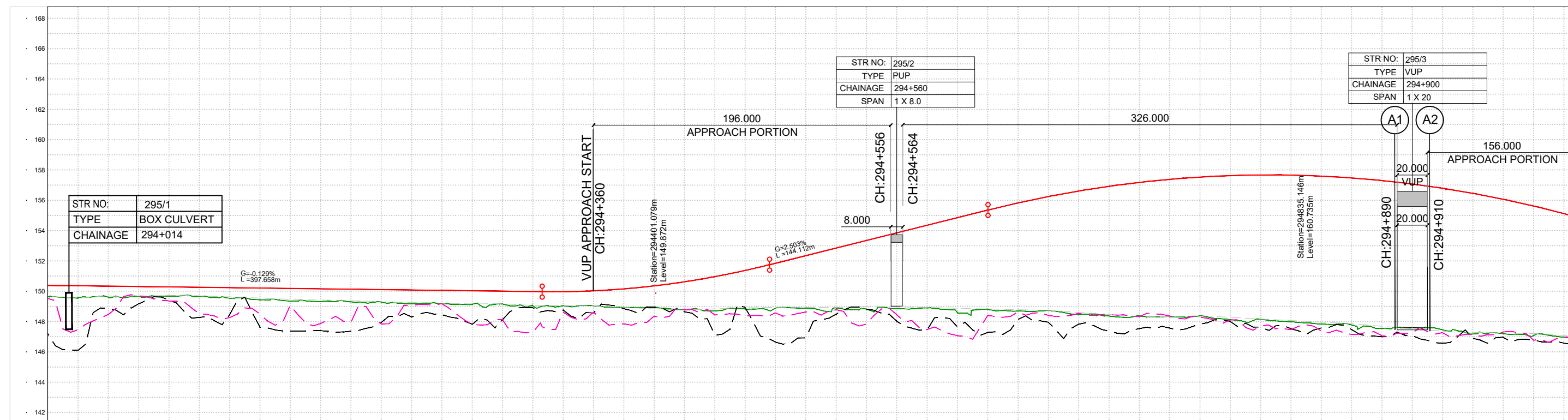
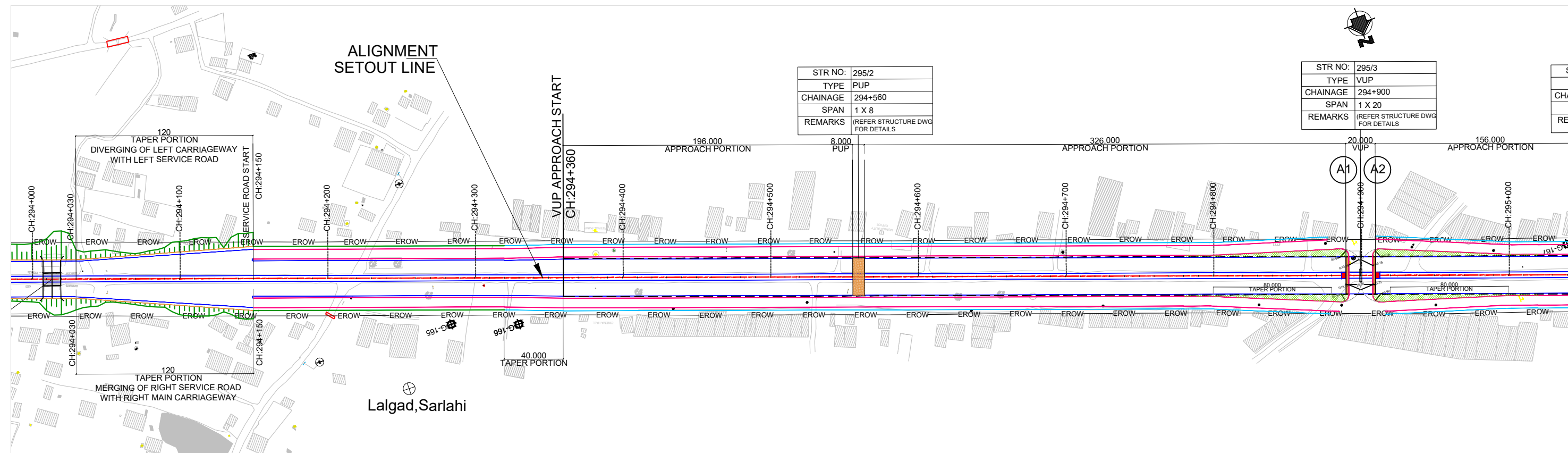
PROF

VER= 1:250

(km 203+000 to km 204+000)

KAMALA

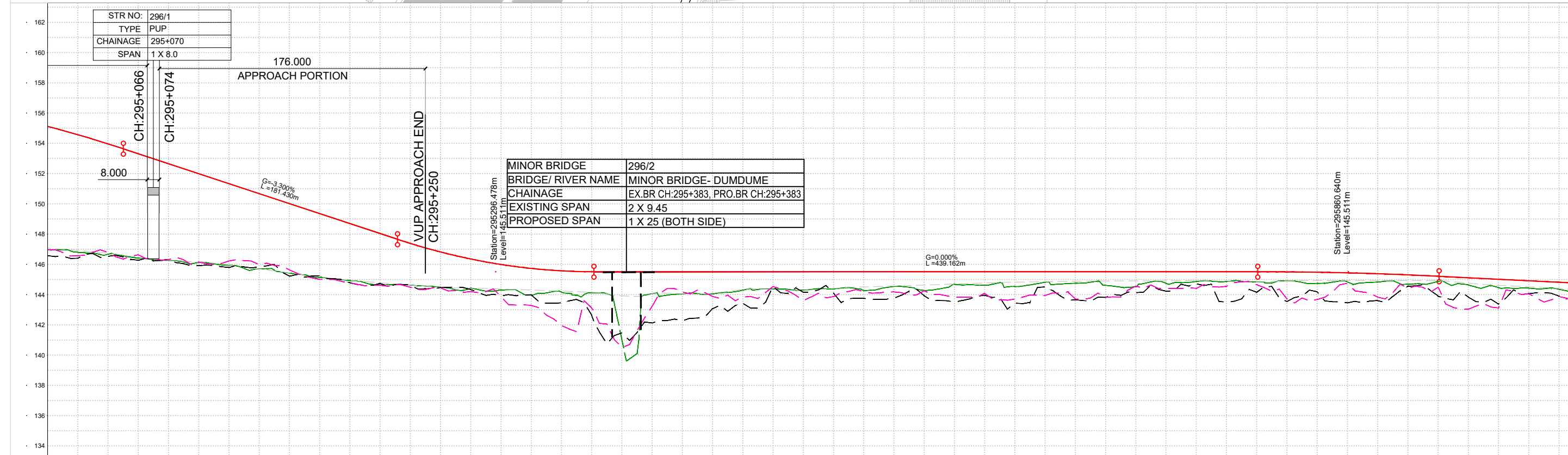
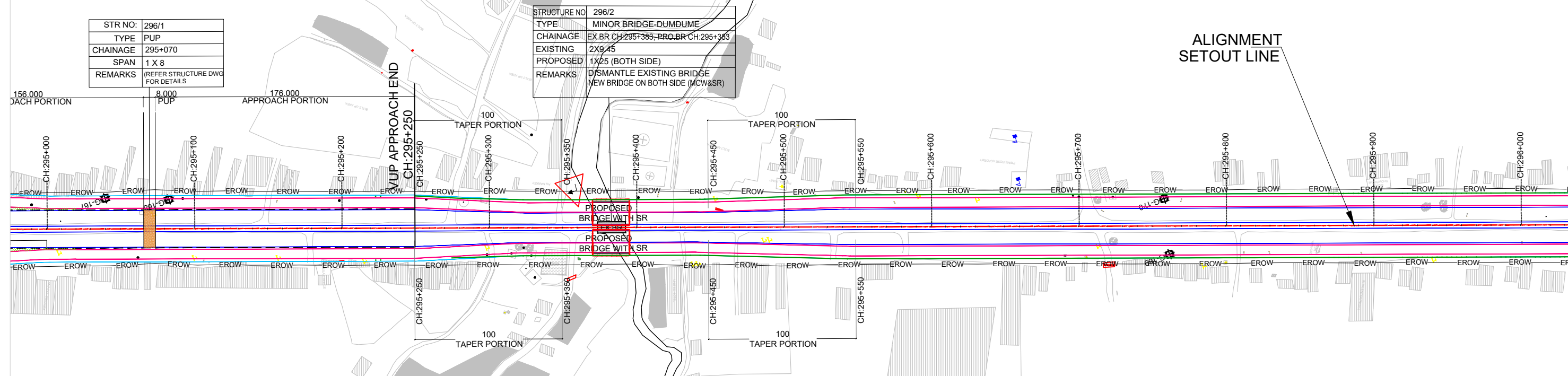
PATHLAIYA



FINISHED ROAD LEVEL MAIN CARRIAGEWAY LEFT - KERB EDGE	150.390	150.390	150.364	150.338	150.312	150.287	150.261	150.235	150.209	150.183	150.158	150.132	150.106	150.080	150.054	150.028	150.003	149.977	149.951	149.925	149.899	149.873	149.847	149.821	149.795	149.769	149.743	149.717	149.691	149.665	149.639	149.613	149.587	149.561	149.535	149.509	149.483	149.457	149.431	149.405	149.379	149.353	149.327	149.301	149.275	149.249	149.223	149.197	149.171	149.145	149.119	149.093	149.067	149.041	149.015	148.989	148.963	148.937	148.911	148.885	148.859	148.833	148.807	148.781	148.755	148.729	148.703	148.677	148.651	148.625	148.599	148.573	148.547	148.521	148.495	148.469	148.443	148.417	148.391	148.365	148.339	148.313	148.287	148.261	148.235	148.209	148.183	148.157	148.131	148.105	148.079	148.053	148.027	148.001	147.975	147.949	147.923	147.897	147.871	147.845	147.819	147.793	147.767	147.741	147.715	147.689	147.663	147.637	147.611	147.585	147.559	147.533	147.507	147.481	147.455	147.429	147.403	147.377	147.351	147.325	147.299	147.273	147.247	147.221	147.195	147.169	147.143	147.117	147.091	147.065	147.039	147.013	146.987	146.961	146.935	146.909	146.883	146.857	146.831	146.805	146.779	146.753	146.727	146.701	146.675	146.649	146.623	146.597	146.571	146.545	146.519	146.493	146.467	146.441	146.415	146.389	146.363	146.337	146.311	146.285	146.259	146.233	146.207	146.181	146.155	146.129	146.103	146.077	146.051	146.025	146.000	145.974	145.948	145.922	145.896	145.870	145.844	145.818	145.792	145.766	145.740	145.714	145.688	145.662	145.636	145.610	145.584	145.558	145.532	145.506	145.480	145.454	145.428	145.402	145.376	145.350	145.324	145.298	145.272	145.246	145.220	145.194	145.168	145.142	145.116	145.090	145.064	145.038	145.012	144.986	144.960	144.934	144.908	144.882	144.856	144.830	144.804	144.778	144.752	144.726	144.700	144.674	144.648	144.622	144.596	144.570	144.544	144.518	144.492	144.466	144.440	144.414	144.388	144.362	144.336	144.310	144.284	144.258	144.232	144.206	144.180	144.154	144.128	144.102	144.076	144.050	144.024	144.000	143.974	143.948	143.922	143.896	143.870	143.844	143.818	143.792	143.766	143.740	143.714	143.688	143.662	143.636	143.610	143.584	143.558	143.532	143.506	143.480	143.454	143.428	143.402	143.376	143.350	143.324	143.298	143.272	143.246	143.220	143.194	143.168	143.142	143.116	143.090	143.064	143.038	143.012	142.986	142.960	142.934	142.908	142.882	142.856	142.830	142.804	142.778	142.752	142.726	142.700	142.674	142.648	142.622	142.596	142.570	142.544	142.518	142.492	142.466	142.440	142.414	142.388	142.362	142.336	142.310	142.284	142.258	142.232	142.206	142.180	142.154	142.128	142.102	142.076	142.050	142.024	142.000	141.974	141.948	141.922	141.896	141.870	141.844	141.818	141.792	141.766	141.740	141.714	141.688	141.662	141.636	141.610	141.584	141.558	141.532	141.506	141.480	141.454	141.428	141.402	141.376	141.350	141.324	141.298	141.272	141.246	141.220	141.194	141.168	141.142	141.116	141.090	141.064	141.038	141.012	140.986	140.960	140.934	140.908	140.882	140.856	140.830	140.804	140.778	140.752	140.726	140.700	140.674	140.648	140.622	140.596	140.570	140.544	140.518	140.492	140.466	140.440	140.414	140.388	140.362	140.336	140.310	140.284	140.258	140.232	140.206	140.180	140.154	140.128	140.102	140.076	140.050	140.024	140.000	139.974	139.948	139.922	139.896	139.870	139.844	139.818	139.792	139.766	139.740	139.714	139.688	139.662	139.636	139.610	139.584	139.558	139.532	139.506	139.480	139.454	139.428	139.402	139.376	139.350	139.324	139.298	139.272	139.246	139.220	139.194	139.168	139.142	139.116	139.090	139.064	139.038	139.012	138.986	138.960	138.934	138.908	138.882	138.856	138.830	138.804	138.778	138.752	138.726	138.700	138.674	138.648	138.622	138.596	138.570	138.544	138.518	138.492	138.466	138.440	138.414	138.388	138.362	138.336	138.310	138.284	138.258	138.232	138.206	138.180	138.154	138.128	138.102	138.076	138.050	138.024	138.000	137.974	137.948	137.922	137.896	137.870	137.844	137.818	137.792	137.766	137.740	137.714	137.688	137.662	137.636	137.610	137.584	137.558	137.532	137.506	137.480	137.454	137.428	137.402	137.376	137.350	137.324	137.298	137.272	137.246	137.220	137.194	137.168	137.142	137.116	137.090	137.064	137.038	137.012	136.986	136.960	136.934	136.908	136.882	136.856	136.830	136.804	136.778	136.752	136.726	136.700	136.674	136.648	136.622	136.596	136.570	136.544	136.518	136.492	136.466	136.440	136.414	136.388	136.362	136.336	136.310	136.284	136.258	136.232	136.206	136.180	136.154	136.128	136.102	136.076	136.050	136.024	136.000	135.974	135.948	135.922	135.896	135.870	135.844	135.818	135.792	135.766	135.740	135.714	135.688	135.662	135.636	135.610	135.584	135.558	135.532	135.506	135.480	135.454	135.428	135.402	135.376	135.350	135.324	135.298	135.272	135.246	135.220	135.194	135.168	135.142	135.116	135.090	135.064	135.038	135.012	134.986	134.960	134.934	134.908	134.882	134.856	134.830	134.804	134.778	134.752	134.726	134.700	134.674	134.648	134.622	134.596	134.570	134.544	134.518	134.492	134.466	134.440	134.414	134.388	134.362	134.336	134.310	134.284	134.258	134.232	134.206	134.180	134.154	134.128	134.102	134.076	134.050	134.024	134.000	133.974	133.948	133.922	133.896	133.870	133.844	133.818	133.792	133.766	133.740	133.714	133.688	133.662	133.636	133.610	133.584	133.558	133.532	133.506	133.480	133.454	133.428	133.402	133.376	133.350	133.324	133.298	133.272	133.246	133.220	133.194	133.168	133.142	133.116	133.090	133.064	133.038	133.012	132.986	132.960	132.934	132.908	132.882	132.856	132.830	132.804	132.778	132.752	132.726	132.700	132.674	132.648	132.622	132.596	132.570	132.544	132.518	132.492	132.466	132.440	132.414	132.388	132.362	132.336	132.310	132.284	132.258	132.232	132.206	132.180	132.154	132.128	132.102	132.076	132.050	132.024	132.000	131.974	131.948	131.922	131.896	131.870	131.844	131.818	131.792	131.766	131.740	131.714	131.688	131.662	131.636	131.610	131.584	131.558	131.532	131.506	131.480	131.454	131.428	131.402	131.376	131.350	131.324	131.298	131.272	131.246	131.220	131.194	131.168	131.142	131.116	131.090	131.064	131.038	131.012	130.986	130.960	130.934	130.908	130.882	130.856	130.830	130.804	130.778	130.752	130.726	130.700	130.674	130.648	130.622	130.596	130.570	130.544	130.518	130.492	130.466	130.440	130.414	130.388	130.362	130.336	130.310	130.284	130.258	130.232	130.206	130.180	130.154	130.128	130.102	130.076	130.050	130.024	130.000	129.974	129.948	129.922	129.896	129.870	129.844	129.818	129.792	129.766	129.740	129.714	129.688	129.662	129.636	129.610	129.584	129.558	129.532	129.506	129.480	129.454	129.428	129.402	129.376	129.350	129.324	129.298	129.272	129.246	129.220	129.194	129.168	129.142	129.116	129.090	129.064	129.038	129.012	128.986	128.960	128.934	128.908	128.882	128.856	128.830	128.804	128.778	128.752	128.726	128.700	128.674	128.648	128.622	128.596	128.570	128.544	128.518	128.492	128.466	128.440	128.414	128.388	128.362	128.336	128.310	128.284	128.258	128.232	128.206	128.180	128.154	128.128	128.102	128.076	128.050	128.024	128.000	127.974	127.948	127.922	127.896	127.870	127.844	127.818	127.792	127.766	127.740	127.714	127.688	127.662	127.636	127.610	127.584	127.558	127.532	127.506	127.480	127.454	127.428	127.402	127.376	127.350	127.324	127.298	127.272	127.246	127.220	127.194	127.168	127.142	127.116	127.090	127.064	127.038	127.012	126.986	126.960	126.934	126.908	126.882	126.856	126.830	126.804	126.778	126.752	126.726	126.700	126.674	126.648	126.622	126.596	126.570	126.544	126.518	126.492	126.466	126.440	126.414	126.388	126.362	126.336	126.310	126.284	126.258	126.232	126.206	126.180	126.154	126.128	126.102	126.076	126.050	126.024	126.000	125.974	125.948	125.922	125.896	125.870	125.844	125.818	125.792	125.766	125.740	125.714	125.688	125.662	125.636	125.610	125.584	125.558	125.532	125.506	125.480	125.454	125.428	125.402	125.376	125.350	125.324	125.298	125.272	125.246	125.220	125.194	125.168	125.142	125.116	125.090	125.064	125.038	125.012	124.986	124.960	124.934	124.908	124.882
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← KAMALA

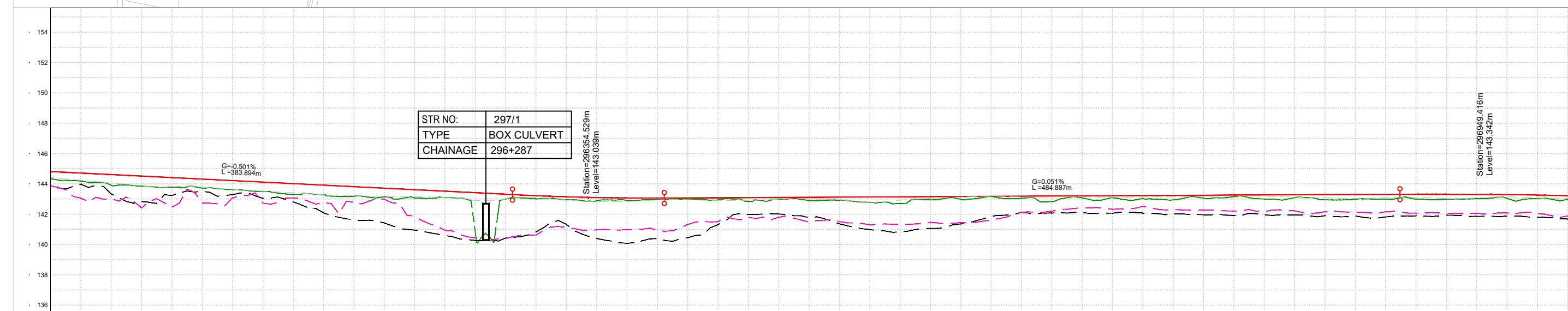
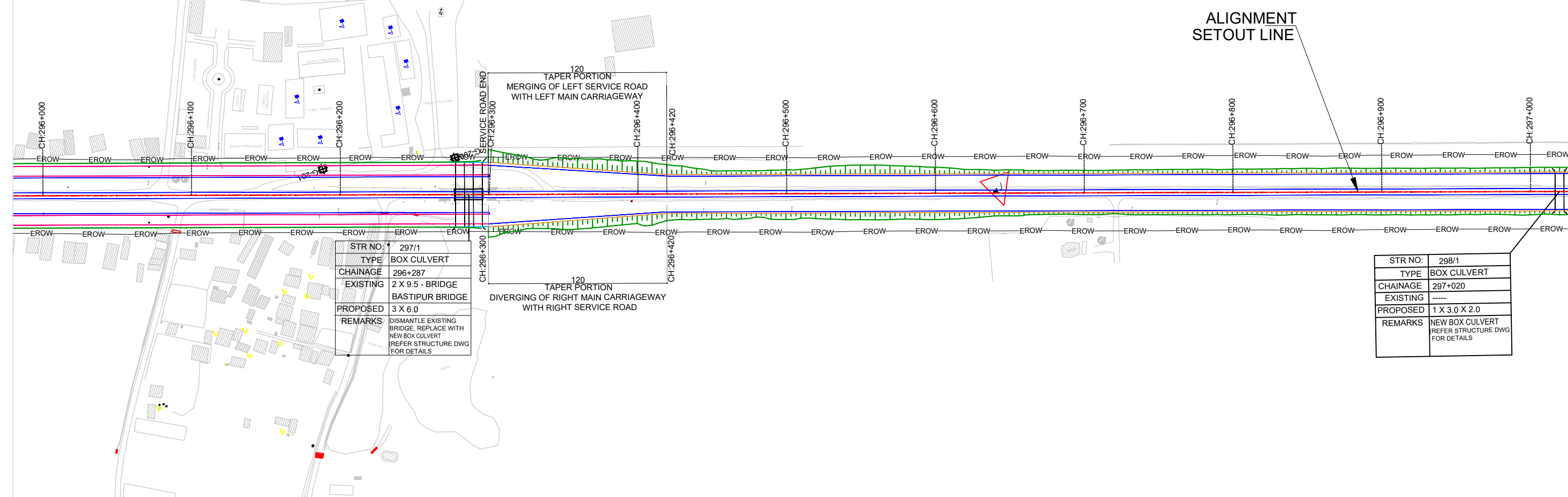
PATHLAIYA →



FINISHED ROAD LEVEL MAIN CARRIAGEWAY LEFT - KERB EDGE	155.125	155.125	154.573	154.573	153.968	153.968	153.315	153.315	152.655	152.655	151.995	151.995	151.335	151.335	150.675	150.675	150.015	150.015	149.355	149.355	148.695	148.695	148.035	148.035	147.384	147.384	146.724	146.724	146.064	146.064	145.404	145.404	144.744	144.744	144.084	144.084	143.424	143.424	142.764	142.764	142.104	142.104	141.444	141.444	140.784	140.784	140.124	140.124	139.464	139.464	138.804	138.804	138.144	138.144	137.484	137.484	136.824	136.824	136.164	136.162	135.504	135.504	134.844	134.844	134.184	134.184	133.524	133.524	132.864	132.864	132.204	132.204	131.544	131.544	130.884	130.884	130.224	130.224	129.564	129.564	128.904	128.904	128.244	128.244	127.584	127.584	126.924	126.924	126.264	126.264	125.604	125.604	124.944	124.944	124.284	124.284	123.624	123.624	122.964	122.964	122.304	122.304	121.644	121.644	120.984	120.984	120.324	120.324	119.664	119.664	119.004	119.004	118.344	118.344	117.684	117.684	117.024	117.024	116.364	116.364	115.704	115.704	115.044	115.044	114.384	114.384	113.724	113.724	113.064	113.064	112.404	112.404	111.744	111.744	111.084	111.084	110.424	110.424	109.764	109.764	109.104	109.104	108.444	108.444	107.784	107.784	107.124	107.124	106.464	106.464	105.804	105.804	105.144	105.144	104.484	104.484	103.824	103.824	103.164	103.164	102.504	102.504	101.844	101.844	101.184	101.184	100.524	100.524	99.864	99.864	99.204	99.204	98.544	98.544	97.884	97.884	97.224	97.224	96.564	96.564	95.904	95.904	95.244	95.244	94.584	94.584	93.924	93.924	93.264	93.264	92.604	92.604	91.944	91.944	91.284	91.284	90.624	90.624	89.964	89.964	89.304	89.304	88.644	88.644	87.984	87.984	87.324	87.324	86.664	86.664	86.004	86.004	85.344	85.344	84.684	84.684	84.024	84.024	83.364	83.364	82.704	82.704	82.044	82.044	81.384	81.384	80.724	80.724	80.064	80.064	79.404	79.404	78.744	78.744	78.084	78.084	77.424	77.424	76.764	76.764	76.104	76.104	75.444	75.444	74.784	74.784	74.124	74.124	73.464	73.464	72.804	72.804	72.144	72.144	71.484	71.484	70.824	70.824	70.164	70.164	69.504	69.504	68.844	68.844	68.184	68.184	67.524	67.524	66.864	66.864	66.204	66.204	65.544	65.544	64.884	64.884	64.224	64.224	63.564	63.564	62.904	62.904	62.244	62.244	61.584	61.584	60.924	60.924	60.264	60.264	59.604	59.604	58.944	58.944	58.284	58.284	57.624	57.624	56.964	56.964	56.304	56.304	55.644	55.644	54.984	54.984	54.324	54.324	53.664	53.664	53.004	53.004	52.344	52.344	51.684	51.684	51.024	51.024	50.364	50.364	49.704	49.704	49.044	49.044	48.384	48.384	47.724	47.724	47.064	47.064	46.404	46.404	45.744	45.744	45.084	45.084	44.424	44.424	43.764	43.764	43.104	43.104	42.444	42.444	41.784	41.784	41.124	41.124	40.464	40.464	39.804	39.804	39.144	39.144	38.484	38.484	37.824	37.824	37.164	37.164	36.504	36.504	35.844	35.844	35.184	35.184	34.524	34.524	33.864	33.864	33.204	33.204	32.544	32.544	31.884	31.884	31.224	31.224	30.564	30.564	29.904	29.904	29.244	29.244	28.584	28.584	27.924	27.924	27.264	27.264	26.604	26.604	25.944	25.944	25.284	25.284	24.624	24.624	23.964	23.964	23.304	23.304	22.644	22.644	21.984	21.984	21.324	21.324	20.664	20.664	20.004	20.004	19.344	19.344	18.684	18.684	18.024	18.024	17.364	17.364	16.704	16.704	16.044	16.044	15.384	15.384	14.724	14.724	14.064	14.064	13.404	13.404	12.744	12.744	12.084	12.084	11.424	11.424	10.764	10.764	10.104	10.104	9.444	9.444	8.784	8.784	8.124	8.124	7.464	7.464	6.804	6.804	6.144	6.144	5.484	5.484	4.824	4.824	4.164	4.164	3.504	3.504	2.844	2.844	2.184	2.184	1.524	1.524	0.864	0.864	0.204	0.204	-0.464	-0.464	-1.124	-1.124	-1.784	-1.784	-2.444	-2.444	-3.104	-3.104	-3.764	-3.764	-4.424	-4.424	-5.084	-5.084	-5.744	-5.744	-6.404	-6.404	-7.064	-7.064	-7.724	-7.724	-8.384	-8.384	-9.044	-9.044	-9.704	-9.704	-10.364	-10.364	-11.024	-11.024	-11.684	-11.684	-12.344	-12.344	-13.004	-13.004	-13.664	-13.664	-14.324	-14.324	-14.984	-14.984	-15.644	-15.644	-16.304	-16.304	-16.964	-16.964	-17.624	-17.624	-18.284	-18.284	-18.944	-18.944	-19.604	-19.604	-20.264	-20.264	-20.924	-20.924	-21.584	-21.584	-22.244	-22.244	-22.904	-22.904	-23.564	-23.564	-24.224	-24.224	-24.884	-24.884	-25.544	-25.544	-26.204	-26.204	-26.864	-26.864	-27.524	-27.524	-28.184	-28.184	-28.844	-28.844	-29.504	-29.504	-30.164	-30.164	-30.824	-30.824	-31.484	-31.484	-32.144	-32.144	-32.804	-32.804	-33.464	-33.464	-34.124	-34.124	-34.784	-34.784	-35.444	-35.444	-36.104	-36.104	-36.764	-36.764	-37.424	-37.424	-38.084	-38.084	-38.744	-38.744	-39.404	-39.404	-40.064	-40.064	-40.724	-40.724	-41.384	-41.384	-42.044	-42.044	-42.704	-42.704	-43.364	-43.364	-44.024	-44.024	-44.684	-44.684	-45.344	-45.344	-46.004	-46.004	-46.664	-46.664	-47.324	-47.324	-47.984	-47.984	-48.644	-48.644	-49.304	-49.304	-49.964	-49.964	-50.624	-50.624	-51.284	-51.284	-51.944	-51.944	-52.604	-52.604	-53.264	-53.264	-53.924	-53.924	-54.584	-54.584	-55.244	-55.244	-55.904	-55.904	-56.564	-56.564	-57.224	-57.224	-57.884	-57.884	-58.544	-58.544	-59.204	-59.204	-59.864	-59.864	-60.524	-60.524	-61.184	-61.184	-61.844	-61.844	-62.504	-62.504	-63.164	-63.164	-63.824	-63.824	-64.484	-64.484	-65.144	-65.144	-65.804	-65.804	-66.464	-66.464	-67.124	-67.124	-67.784	-67.784	-68.444	-68.444	-69.104	-69.104	-69.764	-69.764	-70.424	-70.424	-71.084	-71.084	-71.744	-71.744	-72.404	-72.404	-73.064	-73.064	-73.724	-73.724	-74.384	-74.384	-75.044	-75.044	-75.704	-75.704	-76.364	-76.364	-77.024	-77.024	-77.684	-77.684	-78.344	-78.344	-79.004	-79.004	-79.664	-79.664	-80.324	-80.324	-80.984	-80.984	-81.644	-81.644	-82.304	-82.304	-82.964	-82.964	-83.624	-83.624	-84.284	-84.284	-84.944	-84.944	-85.604	-85.604	-86.264	-86.264	-86.924	-86.924	-87.584	-87.584	-88.244	-88.244	-88.904	-88.904	-89.564	-89.564	-90.224	-90.224	-90.884	-90.884	-91.544	-91.544	-92.204	-92.204	-92.864	-92.864	-93.524	-93.524	-94.184	-94.184	-94.844	-94.844	-95.504	-95.504	-96.164	-96.164	-96.824	-96.824	-97.484	-97.484	-98.144	-98.144	-98.804	-98.804	-99.464	-99.464	-100.124	-100.124	-100.784	-100.784	-101.444	-101.444	-102.104	-102.104	-102.764	-102.764	-103.424	-103.424	-104.084	-104.084	-104.744	-104.744	-105.404	-105.404	-106.064	-106.064	-106.724	-106.724	-107.384	-107.384	-108.044	-108.044	-108.704	-108.704	-109.364	-109.364	-110.024	-110.024	-110.684	-110.684	-111.344	-111.344	-112.004	-112.004	-112.664	-112.664	-113.324	-113.324	-113.984	-113.984	-114.644	-114.644	-115.304	-115.304	-115.964	-115.964	-116.624	-116.624	-117.284	-117.284	-117.944	-117.944	-118.604	-118.604	-119.264	-119.264	-119.924	-119.924	-120.584	-120.584	-121.244	-121.244	-121.904	-121.904	-122.564	-122.564	-123.224	-123.224	-123.884	-123.884	-124.544	-124.544	-125.204	-125.204	-125.864	-125.864	-126.524	-126.524	-127.184	-127.184	-127.844	-127.844	-128.504	-128.504	-129.164	-129.164	-129.824	-129.824	-130.484	-130.484	-131.144	-131.144	-131.804	-131.804	-132.464	-132.464	-133.124	-133.124	-133.784	-133.784	-134.444	-134.444	-135.104	-135.104	-135.764	-135.764	-136.424	-136.424	-137.084	-137.084	-137.744	-137.744	-138.404	-138.404	-139.064	-139.064	-139.724	-139.724	-140.384	-140.384	-141.044	-141.044	-141.704	-141.704	-142.364	-142.364	-143.024	-143.024	-143.684	-143.684	-144.344	-144.344	-145.004	-145.004	-145.664	-145.664	-146.324	-146.324	-146.984	-146.984	-147.644	-147.644	-148.304	-148.304	-148.964	-148.964	-149.624	-149.624	-150.284	-150.284	-150.944	-150.944	-151.604	-151.604	-152.264	-152.264	-152.924	-152.924	-153.584	-153.584	-154.244	-154.244	-154.904	-154.904	-155.564	-155.564	-156.224	-156.224	-156.884	-156.884	-157.544	-157.544	-158.204	-158.204	-158.864	-158.864	-159.524	-159.524	-160.184	-160.184	-160.844	-160.844	-161.504	-161.504	-162.164	-162.164	-162.824	-162.824	-163.484	-163.484	-164.144	-164.144	-164.804	-164.804	-165.464	-165.464	-166.124	-166.124	-166.784	-166.784	-167.444	-167.444	-168.104	-168.104	-168.764	-168.764	-169.424	-169.424	-170.084	-170.084	-170.744	-170.744	-171.404	-171.404	-172.064	-172.064	-172.724	-172.724	-173.384	-173.384	-174.044	-174.044	-174.704
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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 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 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:

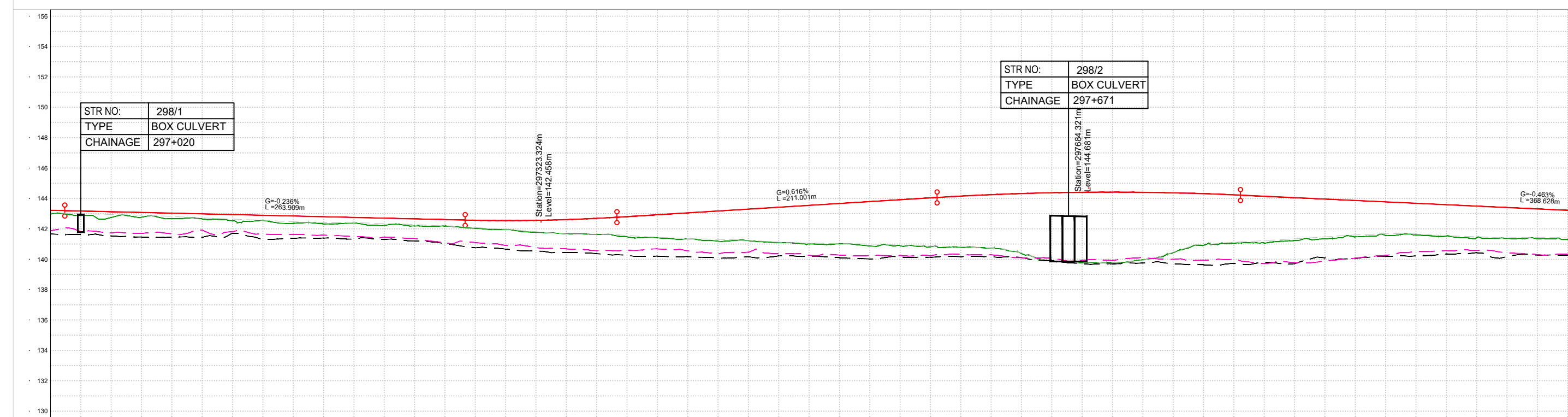
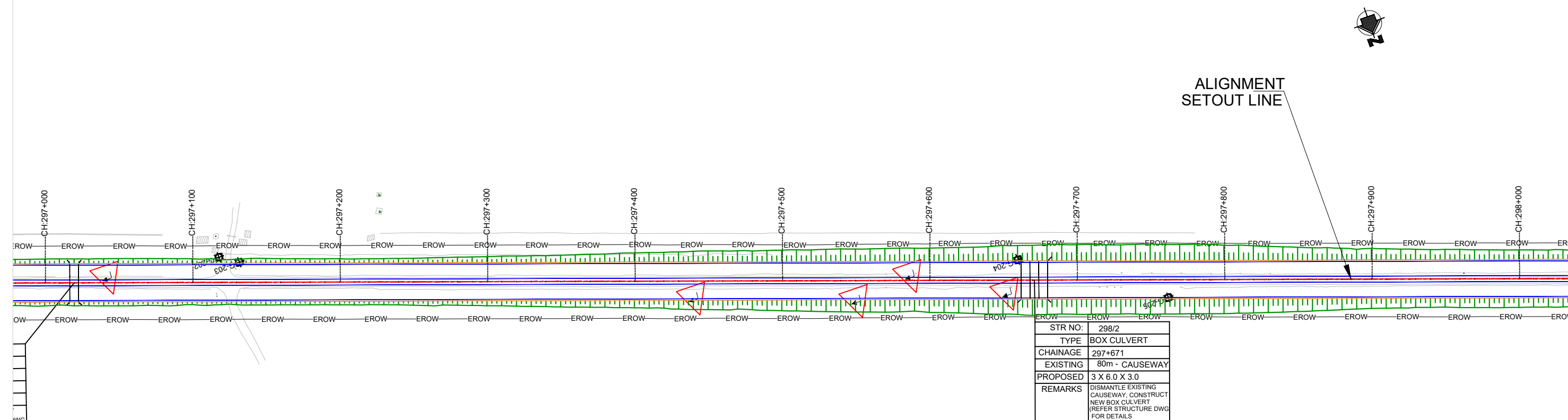
- PROPOSED ALIGNMENT
- PROPOSED MAIN CARRIAGEWAY
- PROPOSED SERVICE ROAD
- PROPOSED CYCLE TRACK
- PROPOSED EARTHEN SHOULDER
- EXISTING CARRIAGEWAY
- EXISTING BRIDGE
- PROPOSED BRIDGE
- EXISTING RIGHT OF WAY

The plan view diagram shows a bridge crossing with a central rectangular area labeled '32'. Above this area, two horizontal arrows indicate a width of 16 units on each side. The diagram includes various colored lines and patterns corresponding to the legend: a red dashed line for the proposed alignment, a blue line for the proposed main carriageway, a magenta line for the proposed service road, a cyan line for the proposed cycle track, an orange line for the proposed earthen shoulder, a grey hatched rectangle for the existing bridge, a solid black rectangle for the proposed bridge, and a red dashed line for the existing right of way. Labels 'EXISTING BRIDGE' and 'PROPOSED BRIDGE' point to their respective rectangles. Labels 'EXISTING RIGHT OF WAY' and 'PROPOSED ALIGNMENT' point to their respective lines. The number '32' is centered within the bridge area.

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	 Signature	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		Reference Drawings	Chainage:	Drawing No.
		In Association With			Mr. Hari Krishna 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	(km 296+000 to km 297+000)	KDP/DPR/HIGHWAY/PP-563 R(0)
		Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited			Approved By				

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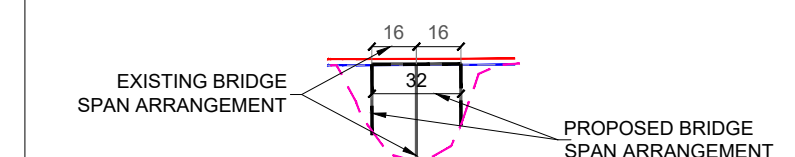
FINISHED ROAD LEVEL MAIN CARRIAGEWAY LEFT - KERB EDGE	143.221	143.175	143.128	143.081	143.033	142.986	142.939	142.891	142.844	142.797	142.750	142.702	142.655	142.608	142.562	142.515	142.468	142.421	142.374	142.327	142.280	142.233	142.186	142.139	142.092	142.045	141.998	141.951	141.904	141.857	141.810	141.763	141.716	141.669	141.622	141.575	141.528	141.481	141.434	141.387	141.340	141.293	141.246	141.199	141.152	141.105	141.058	141.011	140.964	140.917	140.870	140.823	140.776	140.729	140.682	140.635	140.588	140.541	140.494	140.447	140.400	140.353	140.306	140.259	140.212	140.165	140.118	140.071	140.024	139.977	139.930	139.883	139.836	139.789	139.742	139.695	139.648	139.601	139.554	139.507	139.460	139.413	139.366	139.319	139.272	139.225	139.178	139.131	139.084	139.037	138.990	138.943	138.896	138.849	138.802	138.755	138.708	138.661	138.614	138.567	138.520	138.473	138.426	138.379	138.332	138.285	138.238	138.191	138.144	138.097	138.050	137.903	137.856	137.809	137.762	137.715	137.668	137.621	137.574	137.527	137.480	137.433	137.386	137.339	137.292	137.245	137.198	137.151	137.104	137.057	137.010	136.963	136.916	136.869	136.822	136.775	136.728	136.681	136.634	136.587	136.540	136.493	136.446	136.399	136.352	136.305	136.258	136.211	136.164	136.117	136.070	136.023	135.976	135.929	135.882	135.835	135.788	135.741	135.694	135.647	135.600	135.553	135.506	135.459	135.412	135.365	135.318	135.271	135.224	135.177	135.130	135.083	135.036	134.989	134.942	134.895	134.848	134.801	134.754	134.707	134.660	134.613	134.566	134.519	134.472	134.425	134.378	134.331	134.284	134.237	134.190	134.143	134.096	134.049	134.002	133.955	133.908	133.861	133.814	133.767	133.720	133.673	133.626	133.579	133.532	133.485	133.438	133.391	133.344	133.297	133.250	133.203	133.156	133.109	133.062	133.015	132.968	132.921	132.874	132.827	132.780	132.733	132.686	132.639	132.592	132.545	132.498	132.451	132.404	132.357	132.310	132.263	132.216	132.169	132.122	132.075	132.028	131.981	131.934	131.887	131.840	131.793	131.746	131.699	131.652	131.605	131.558	131.511	131.464	131.417	131.370	131.323	131.276	131.229	131.182	131.135	131.088	131.041	130.994	130.947	130.900	130.853	130.806	130.759	130.712	130.665	130.618	130.571	130.524	130.477	130.430	130.383	130.336	130.289	130.242	130.195	130.148	130.101	130.054	130.007	129.960	129.913	129.866	129.819	129.772	129.725	129.678	129.631	129.584	129.537	129.490	129.443	129.396	129.349	129.302	129.255	129.208	129.161	129.114	129.067	129.020	128.973	128.926	128.879	128.832	128.785	128.738	128.691	128.644	128.597	128.550	128.503	128.456	128.409	128.362	128.315	128.268	128.221	128.174	128.127	128.080	128.033	127.986	127.939	127.892	127.845	127.798	127.751	127.704	127.657	127.610	127.563	127.516	127.469	127.422	127.375	127.328	127.281	127.2
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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 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 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:

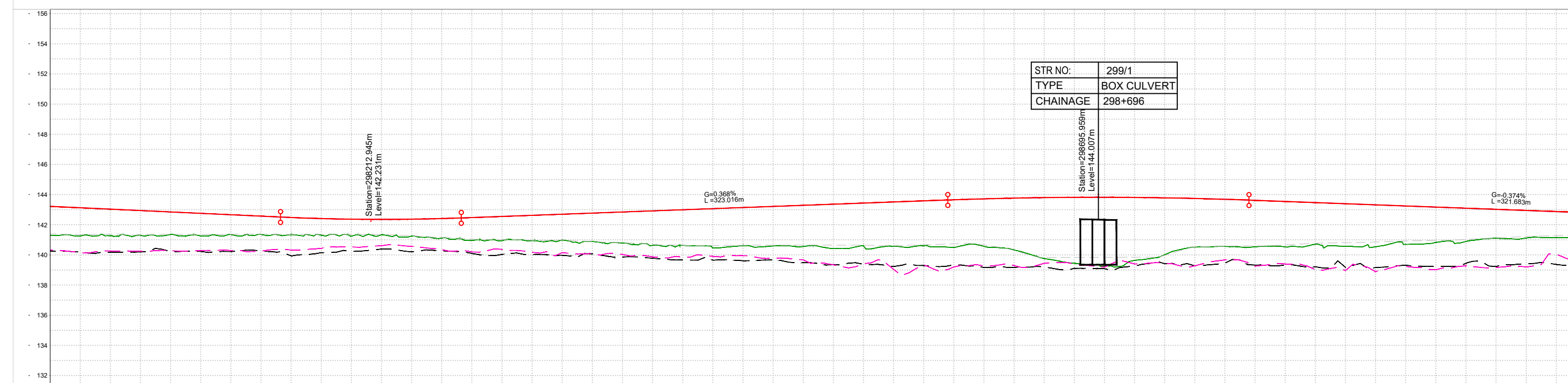
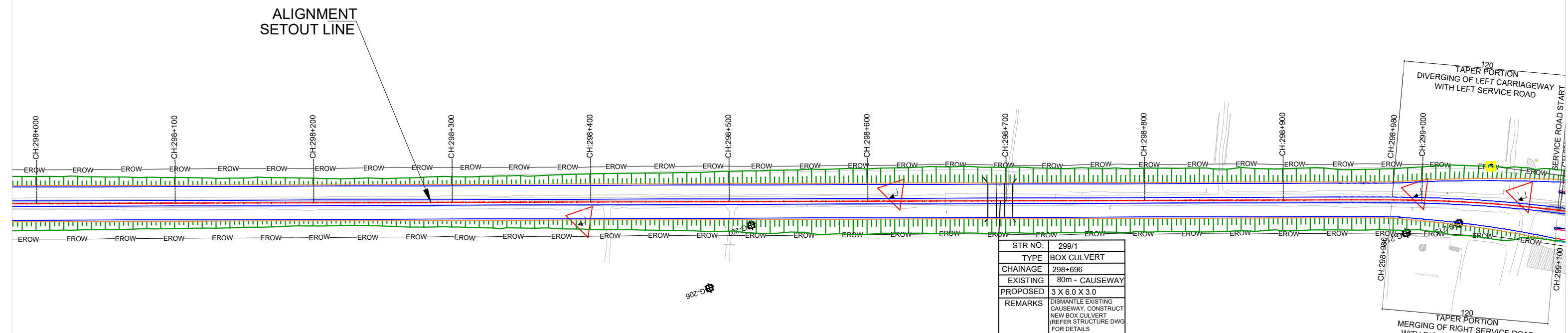
PROPOSED ALIGNMENT	---
PROPOSED MAIN CARRIAGEWAY	---
PROPOSED SERVICE ROAD	---
PROPOSED CYCLE TRACK	---
PROPOSED EARTHEN SHOULDER	---
EXISTING CARRIAGEWAY	---
EXISTING BRIDGE	---
PROPOSED BRIDGE	---
EXISTING RIGHT OF WAY	---



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 SCALE: 1:2500 PROFILE: HOR= 1:2500 VER= 1:250		JUNE 2023	
				 EPTISA Servicios De Ingenieria Madrid, Spain	 STUP Consultants Private Limited Kolkatta, India	Mr. Pushkar Poudel Nec.No. 6146 Signature	Signature				
				In Association With		Checked By		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 297+000 to km 298+000)	
				Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited		Mr. T.V. Rajeev Nec.No. Signature	Signature				
				Approved By		Mr. Hanrikishna Bhavsar Nec.No. Signature	Signature			Drawing No. KDP/DRP/HIGHWAY/PP-564 R(0) Sheet No.	

← *KAMALA*

PATHLAIYA ➡



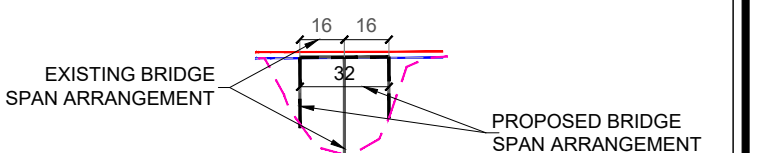
FINISHED ROAD LEVEL MAIN CARRIAGEWAY LEFT - KERB EDGE	143.216
FINISHED ROAD LEVEL MAIN CARRIAGEWAY RIGHT - KERB EDGE	143.218
EXISTING GROUND	141.307
EXISTING GROUND : (15 M LEFT)	140.266
EXISTING GROUND (15 M RIGHT)	140.314
HORIZONTAL CURVE DATA: MAIN CARRIAGEWAY	
VERTICAL CURVE DATA: MAIN CARRIAGEWAY LEFT - KERB EDGE	
VERTICAL CURVE DATA: MAIN CARRIAGEWAY RIGHT - KERB EDGE	
SUPERELEVATION	
DESIGN SPEED(kmph)	
CHAINAGE	

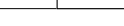
- ### NOTES:
1. ALL DIMENSIONS, LEVELS AND CHAINAGES ARE IN METERS UNLESS OTHERWISE INDICATED.
 2. HORIZONTAL GEOMETRY IS DESIGNED WITH RESPECT TO REFERENCE LINE OF ALIGNMENT AS SHOWN IN PLAN.
 3. FINISHED ROAD LEVELS ARE MEASURED w.r.t KERB EDGES OF RESPECTIVE CARRIAGEWAYS.
 4. SERVICE ROAD PROFILE ARE SET AS AN EXTENDED CROSS FALL OF MAIN ROAD IN ALL SECTIONS EXCEPT AT UNDERPASS SECTIONS.
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 10. THE PROPOSAL FOR ALL EXISTING BRIDGES SHALL BE AS PER BRIDGE DESIGN / DRAWINGS.

LEGEND:

Legend for the proposed alignment diagram:

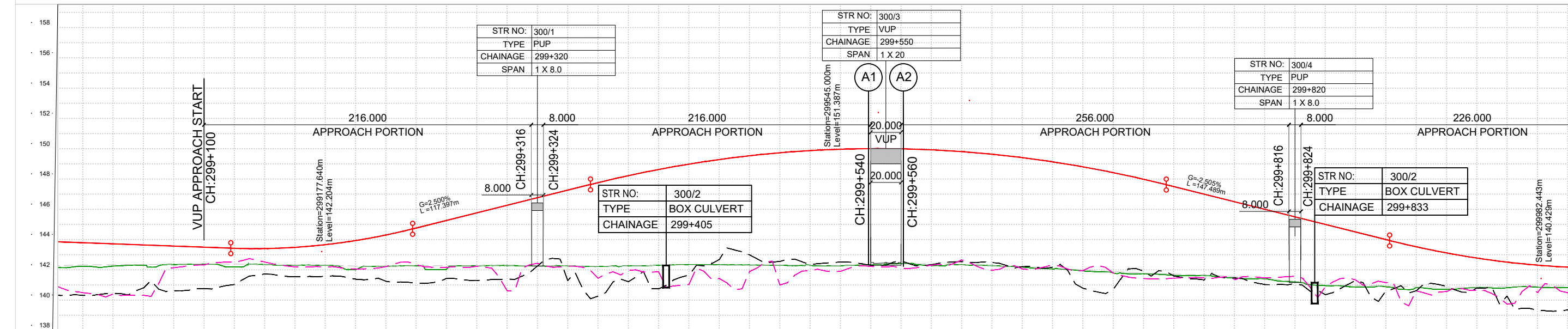
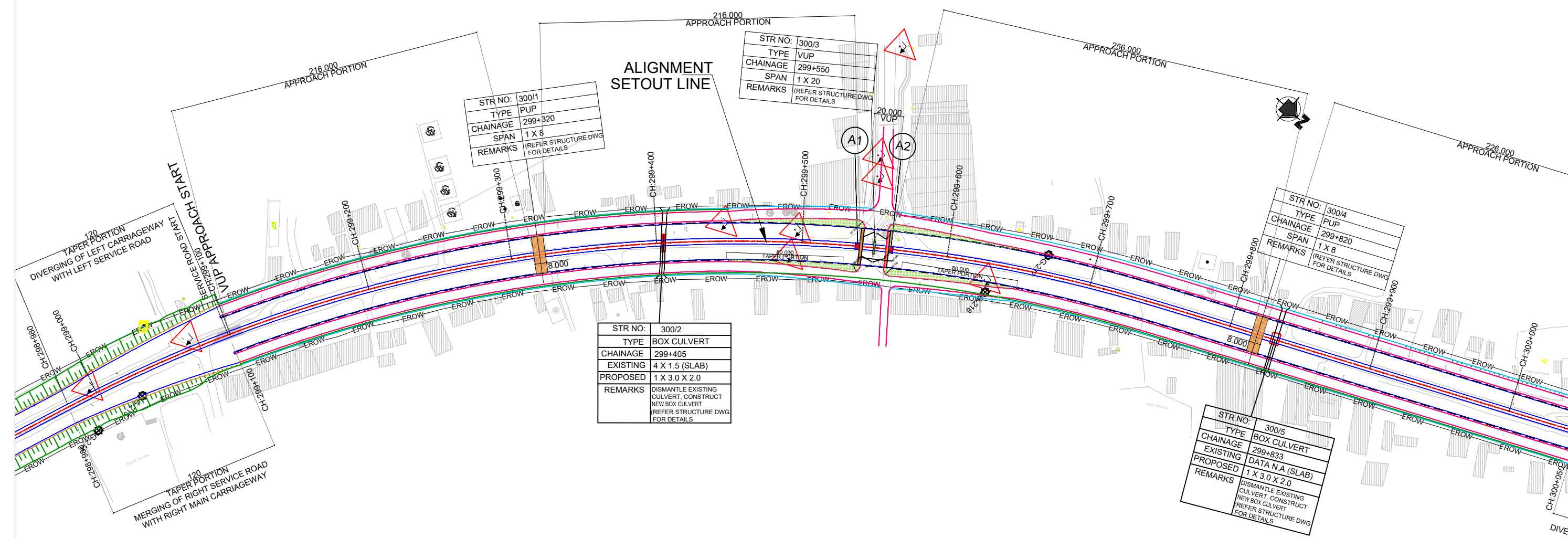
- PROPOSED ALIGNMENT: Red dashed line
- PROPOSED MAIN CARRIAGEWAY: Blue solid line
- PROPOSED SERVICE ROAD: Pink solid line
- PROPOSED CYCLE TRACK: Light blue solid line
- PROPOSED EARTHEN SHOULDER: Orange solid line
- EXISTING CARRIAGEWAY: Grey solid line
- EXISTING BRIDGE: Black rectangle with diagonal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



 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 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 	Drawing Name PLAN AND PROFILE	Scale: PLAN: 1:2500 PROFILE: HOR= 1:2500 VER= 1:250	Date: JUNE 2023
			Checked By 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 298+000 to km 299+000)	Drawing No. KDP/DDR/HIGHWAY/PP-565 R(0)
			Approved By Mr. Hari Krishna Bhavsar Signature 			Sheet No.

← KAMALA

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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)	
2990000-	142.869	142.869	142.869	140.045	139.366	140.045	139.366	140.045	139.366
2990020-	142.794	142.794	142.794	139.432	139.311	139.432	139.311	139.432	139.311
2990040-	142.719	142.719	142.719	139.404	139.448	139.404	139.448	139.404	139.448
2990060-	142.644	142.644	142.644	139.321	139.603	139.321	139.603	139.321	139.603
2990080-	142.569	142.569	142.569	141.140	139.626	141.140	139.626	141.140	139.626
2990100-	142.495	142.495	142.495	141.320	139.759	141.320	139.759	141.320	139.759
2990120-	142.420	142.420	142.420	141.497	140.028	141.497	140.028	141.497	140.028
2990140-	142.405	142.405	142.405	141.519	140.727	141.519	140.727	141.519	140.727
2990160-	142.485	142.485	142.485	141.188	140.543	141.188	140.543	141.188	140.543
2990180-	142.661	142.661	142.661	141.176	140.577	141.176	140.577	141.176	140.577
2990200-	142.933	142.933	142.933	141.060	140.384	141.060	140.384	141.060	140.384
2990220-	143.300	143.300	143.300	141.208	140.249	141.208	140.249	141.208	140.249
2990240-	143.763	143.763	143.763	141.344	140.128	141.344	140.128	141.344	140.128
2990260-	144.263	144.263	144.263	141.155	140.432	141.155	140.432	141.155	140.432
2990280-	144.763	144.763	144.763	141.233	140.302	141.233	140.302	141.233	140.302
2990300-	145.263	145.263	145.263	139.615	140.400	139.615	140.400	139.615	140.400
2990320-	145.763	145.763	145.763	141.430	141.249	141.430	141.249	141.430	141.249
2990340-	146.263	146.263	146.263	141.258	140.287	141.258	140.287	141.258	140.287
2990360-	146.761	146.761	146.761	140.445	139.258	140.445	139.258	140.445	139.258
2990380-	147.221	147.221	147.221	140.970	140.216	140.970	140.216	140.970	140.216
2990400-	147.629	147.629	147.629	140.865	139.740	140.865	139.740	140.865	139.740
2990420-	147.984	147.984	147.984	140.033	140.647	140.033	140.647	140.033	140.647
2990440-	148.287	148.287	148.287	140.428	141.673	140.428	141.673	140.428	141.673
2990460-	148.536	148.536	148.536	140.892	141.989	140.892	141.989	140.892	141.989
2990480-	148.733	148.733	148.733	140.002	141.557	140.002	141.557	140.002	141.557
2990500-	148.878	148.878	148.878	140.936	141.342	140.936	141.342	140.936	141.342
2990520-	148.969	148.969	148.969	140.901	141.524	140.901	141.524	140.901	141.524
2990540-	149.008	149.008	149.008	141.224	141.300	141.224	141.300	141.224	141.300
2990560-	148.995	148.995	148.995	141.088	141.599	141.088	141.599	141.088	141.

NOTES:

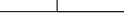
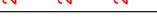
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LEGEND:

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

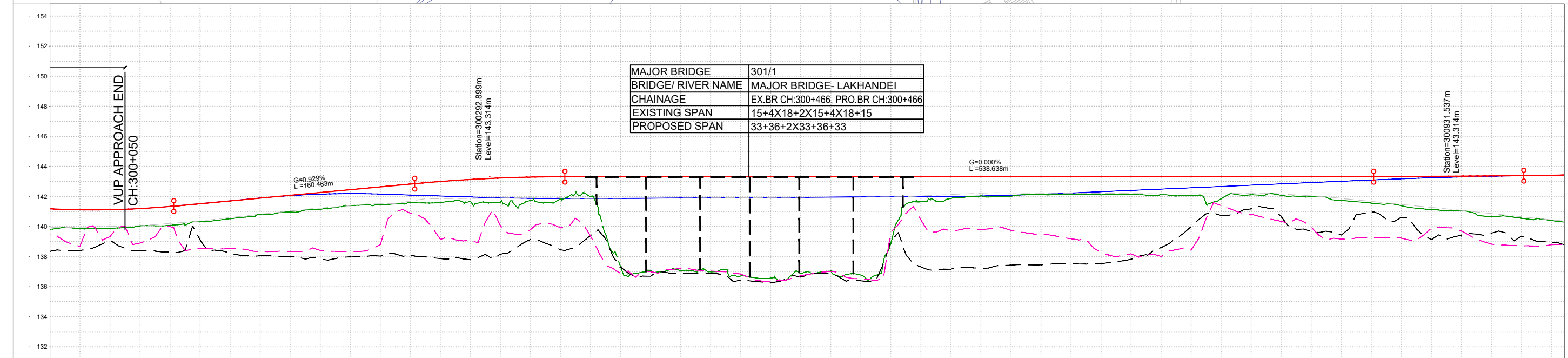
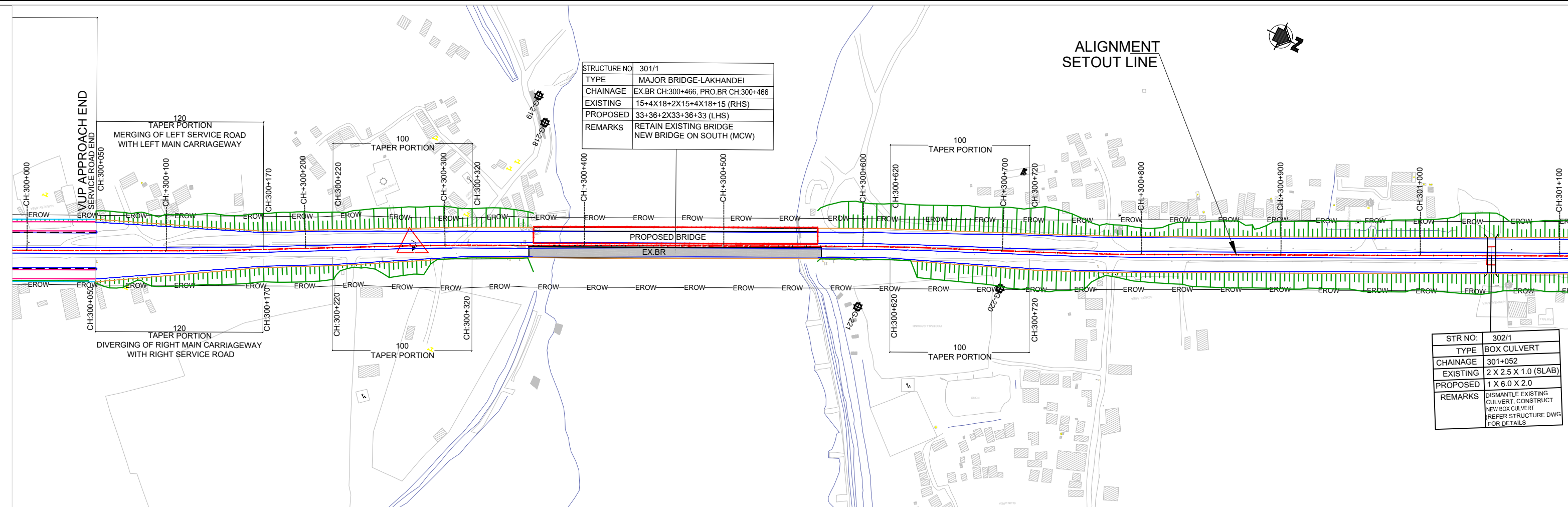
EXISTING BRIDGE SPAN ARRANGEMENT

PROPOSED BRIDGE SPAN ARRANGEMENT

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	PLAN: 1:2500 PROFILE: HOR= 1:2500 VER= 1:250	JUNE 2023	
		 EPTISA Servicios De Ingenieria Madrid, Spain	 STUP Consultants Private Limited Kolkatta, India	Mr. T.V Rajeev Checked By		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 299+000 to km 300+000)
		In Association With Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited		Mr. Hanurikrishna Bhavsar Approved By	Signature	Sheet No.		

← KAMALA

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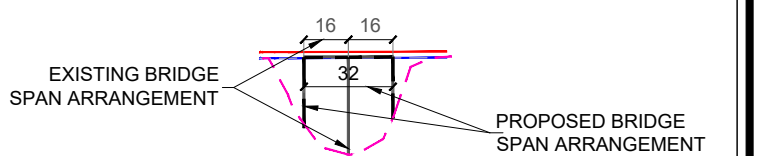
FINISHED ROAD LEVEL MAIN CARRIAGEWAY LEFT - KERB EDGE	FINISHED ROAD LEVEL MAIN CARRIAGEWAY RIGHT - KERB EDGE	EXISTING GROUND	EXISTING GROUND : (15 M LEFT)	EXISTING GROUND (15 M RIGHT)	HORIZONTAL CURVE DATA: MAIN CARRIAGEWAY	VERTICAL CURVE DATA: MAIN CARRIAGEWAY LEFT - KERB EDGE	VERTICAL CURVE DATA: MAIN CARRIAGEWAY RIGHT - KERB EDGE	SUPERELEVATION	DESIGN SPEED(kmph)	CHAINAGE
339.826	339.826	339.826	338.353	339.487					100	300000-
339.881	339.881	339.881	338.417	339.687						300020-
339.895	339.895	339.895	339.095	339.331						300040-
340.046	340.046	340.046	338.378	338.899						300060-
341.336	341.336	341.336	338.294	339.998						300080-
341.521	341.521	341.521	339.125	338.558						300100-
341.707	341.707	341.707	338.214	338.530						300120-
341.893	341.893	341.893	338.047	338.328						300140-
342.079	342.079	342.079	337.987	338.335						300160-
342.265	342.265	342.265	337.829	338.409						300180-
342.451	342.451	342.451	337.972	338.340						300200-
342.637	342.637	342.637	338.030	338.794						300220-
342.822	342.822	342.822	338.077	340.675						300240-
342.995	342.995	342.995	337.870	339.150						300260-
343.136	343.136	343.136	337.791	339.089						300280-
343.228	343.228	343.228	338.167	340.047						300300-
343.299	343.299	343.299	339.139	337.991						300320-
343.314	343.314	343.314	338.451	339.910						300340-
343.314	343.314	343.314	339.392	338.688						300360-
343.314	343.314	343.314	337.309	336.878						300380-
343.314	343.314	343.314	336.694	336.999						300400-
343.314	343.314	343.314	336.881	337.235						300420-
343.314	343.314	343.314	337.041	337.041						300440-
343.314	343.314	343.314	336.878	336.878						300460-
343.314	343.314	343.314	336.427	336.839						300480-
343.314	343.314	343.314	336.277	336.331						300500-
343.314	343.314	343.314	336.633	336.731						300520-
343.314	343.314	343.314	336.888	337.023						300540-
343.314	343.314	343.314	336.392	336.517						300560-
343.314	343.314	343.314	339.010	336.630						300580-
343.314	343.314	343.314	337.315	340.454						300600-
343.314	343.314	343.314	337.160	336.698						300620-
343.314	343.314	343.314	337.210	339.790						300640-
343.314	343.314	343.314	337.430	339.739						300660-
343.314	343.314	343.314	337.450	339.479						300680-
343.314	343.314	343.314	337.546	339.193						300690-
343.314	343.314	343.314	337.539	338.265						300700-
343.314	343.314	343.314	337.819	338.182						300720-
343.314	343.314	343.314	338.601	337.993						300740-
343.314	343.314	343.314	339.992	338.442						300760-

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 SYMMETRICALLY w.r.t EXISTING ROAD CENTRE.
6. MEDIAN OPENINGS, BUSBAYS, LAYBAYS, 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.
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	Nec.No. 6146		PLAN AND PROFILE	PLAN: 1:2500	JUNE 2023
		 EPTISA Servicios De Ingenieria Madrid, Spain	 STUP Consultants Private Limited Kolkatta, India	Checked By	T.V. Rajeev			PROFILE: HOR= 1:2500 VER= 1:250	
		In Association With		Approved By	Mr. Harikrishna Bhavsar		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 300+000 to km 301+000)	KDP/DPR/HIGHWAY/PP-567 R(0)
		Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited			Nec.No.				Sheet No.