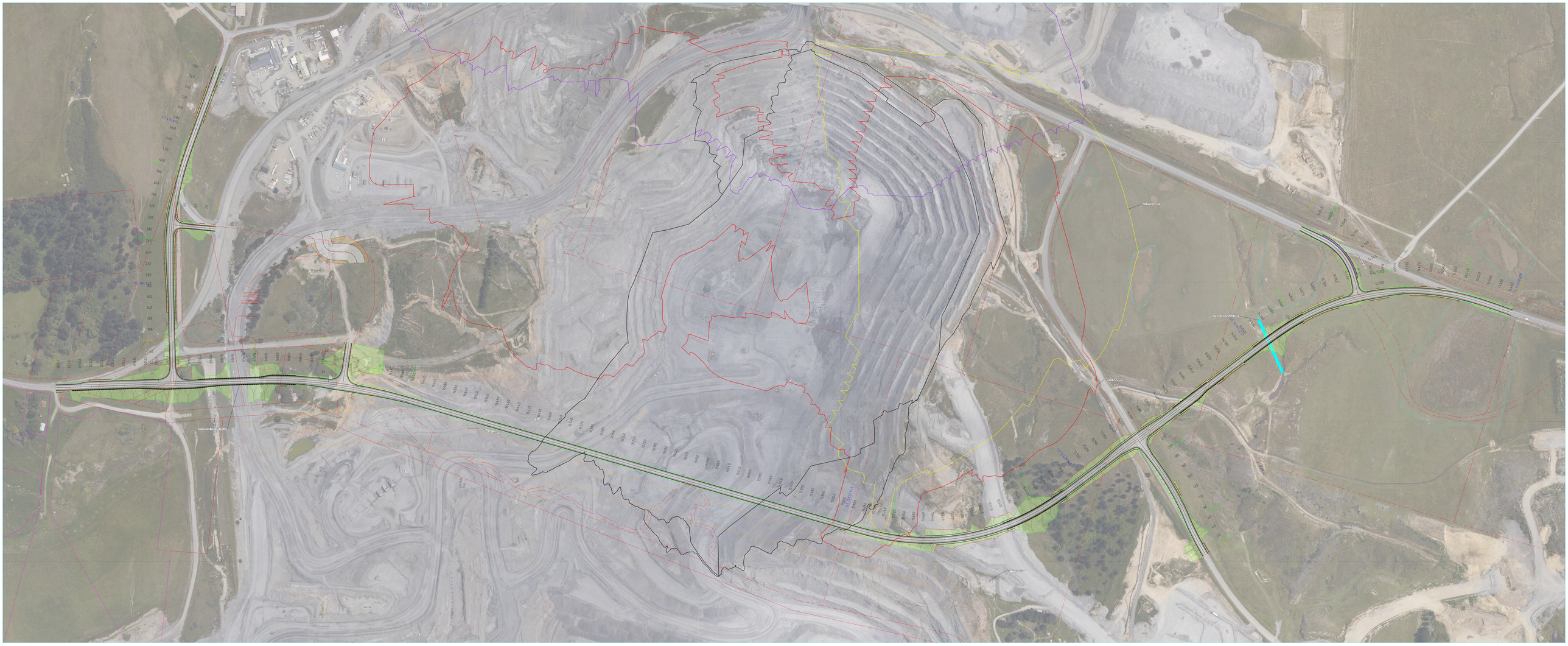
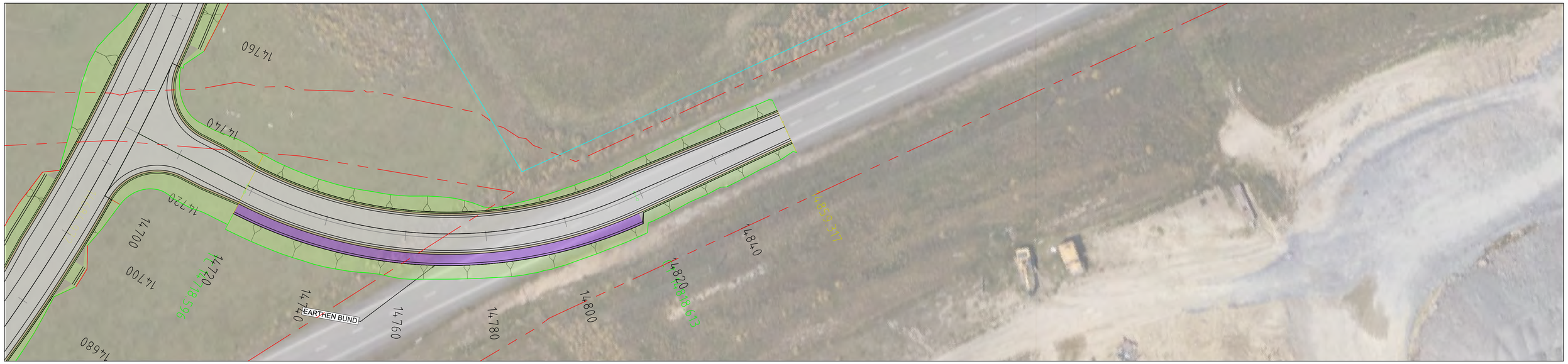
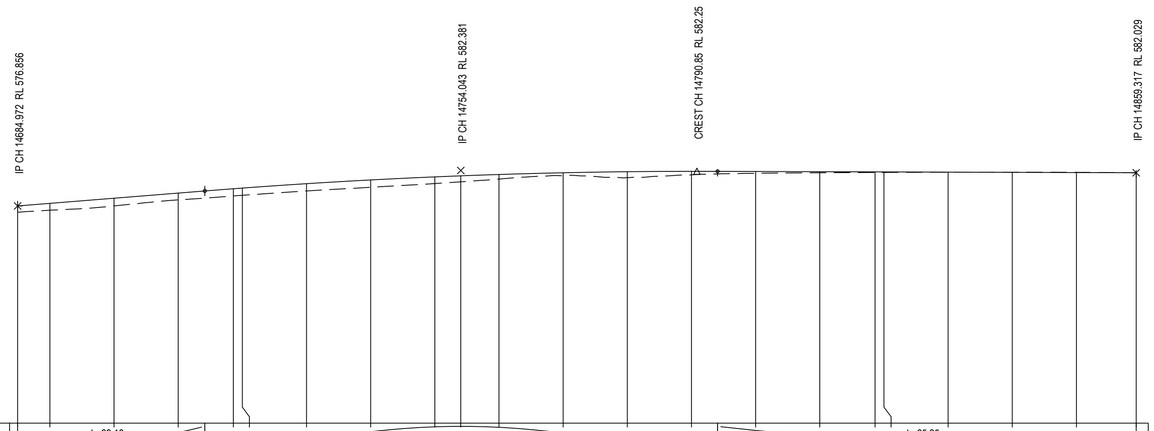


1Cut Model
Scale 1:1000
Mon Jul 27 11:47:57 2026





DATUM RL. 543.00

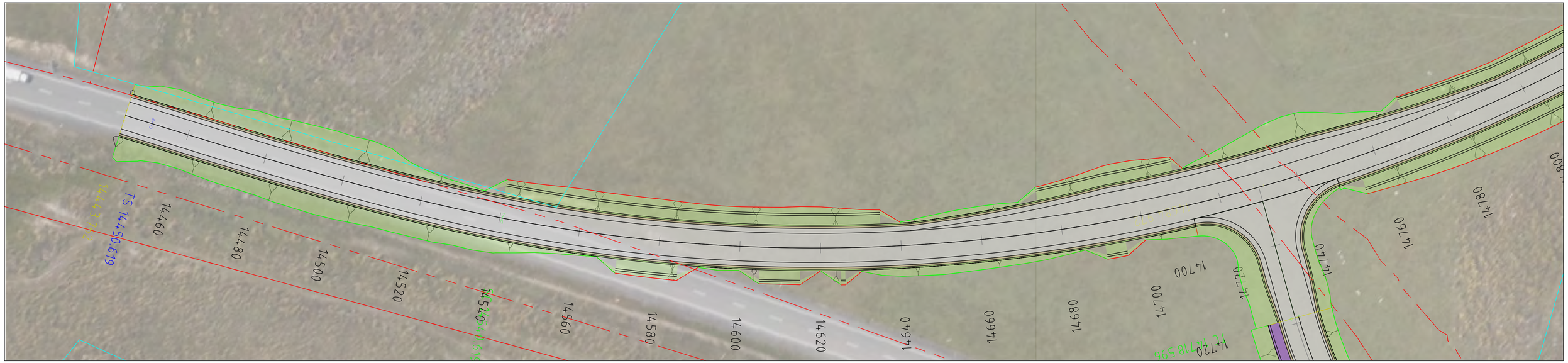
VERTICAL ALIGNMENT	L=29.18m G=8%					K=9.62 L=79.92m										L=65.25m G=-0.33%						
HORIZONTAL ALIGNMENT	L=33.62m					L=100.02m R=-110m										L=40.7m						
LEVEL DIFFERENCE CUT - / FILL +	0.98	1.07	1.20	1.06	1.12	1.12	1.14	1.14	1.04	0.94	0.71	0.46	0.93	0.55	0.29	0.17	0.09	0.08	0.02	-0.02	-0.03	-0.01
DESIGN SURFACE LEVEL	576.856	577.258	578.058	578.858	579.535	579.64	580.326	580.908	581.385	581.548	581.758	582.027	582.192	582.252	582.228	582.194	582.165	582.161	582.127	582.094	582.06	582.029
EXISTING SURFACE LEVEL	575.87	576.19	576.86	577.80	578.42	578.52	579.19	579.76	580.35	580.61	581.04	581.56	581.27	581.70	581.94	582.02	582.07	582.08	582.11	582.11	582.09	582.04
CHAINAGE	14684.97	14690	14700	14710	14718.6	14720	14730	14740	14750	14754.04	14760	14770	14780	14790	14800	14810	14818.61	14820	14830	14840	14850	14859.32
SUPER ELEVATION																						

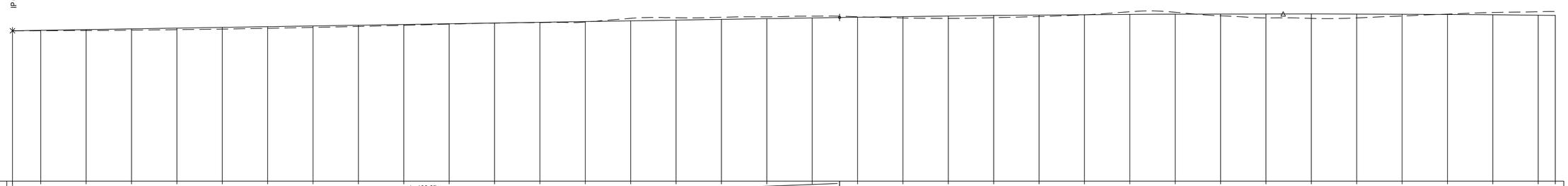
LONGITUDINAL SECTION - ROAD03

HORZ 1:500 VERT 1:500

LONGITUDINAL SECTION

12d Model
Horizontal Scale 1:500
Vertical Scale 1:500
27-Jul-2026 11:45:05





DATUM RL. 540.00

VERTICAL ALIGNMENT: L=182.27m, G=1.61%; K=60.8, L=702.22m

HORIZONTAL ALIGNMENT: L=6.86m; L=314.65m, R=-410m

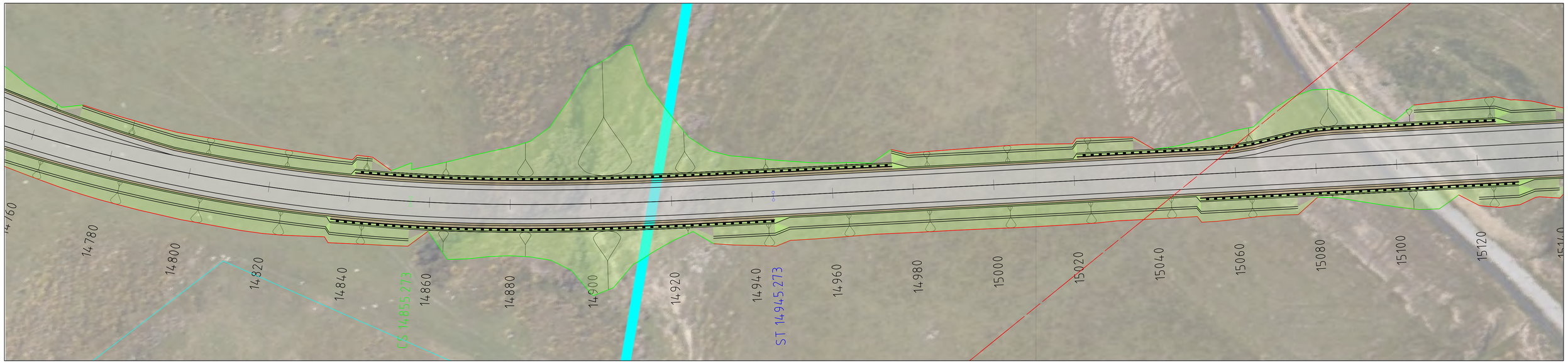
CHAINAGE	LEVEL DIFFERENCE CUT - / FILL +	DESIGN SURFACE LEVEL	EXISTING SURFACE LEVEL	SUPER ELEVATION
14443.76	0.03	573.142	573.11	
14450	0.09	573.242	573.15	
14460	0.19	573.403	573.21	
14470	0.28	573.564	573.28	
14480	0.33	573.725	573.39	
14490	0.37	573.886	573.52	
14500	0.35	574.046	573.69	
14510	0.32	574.207	573.89	
14520	0.27	574.368	574.10	
14530	0.18	574.529	574.35	
14540	0.07	574.69	574.62	
14550	0.01	574.85	574.84	
14560	0.06	575.011	574.95	
14570	0.11	575.172	575.07	
14580	-0.55	575.333	575.89	
14590	-0.52	575.494	576.02	
14600	-0.47	575.654	576.12	
14610	-0.39	575.815	576.20	
14620	-0.39	575.976	576.36	
14630	-0.09	576.135	576.23	
14640	0.32	576.281	575.96	
14650	0.54	576.411	575.87	
14660	0.49	576.524	576.03	
14670	0.34	576.621	576.28	
14680	0.05	576.701	576.65	
14690	-0.57	576.765	577.34	
14700	-0.41	576.812	577.22	
14710	0.40	576.843	576.45	
14720	0.87	576.858	575.99	
14730	0.98	576.856	575.87	
14740	0.86	576.837	575.98	
14750	0.41	576.802	576.39	
14760	-0.06	576.751	576.81	
14770	-0.49	576.683	577.17	
14780	-0.74	576.599	577.34	
14783.76	-0.84	576.563	577.40	

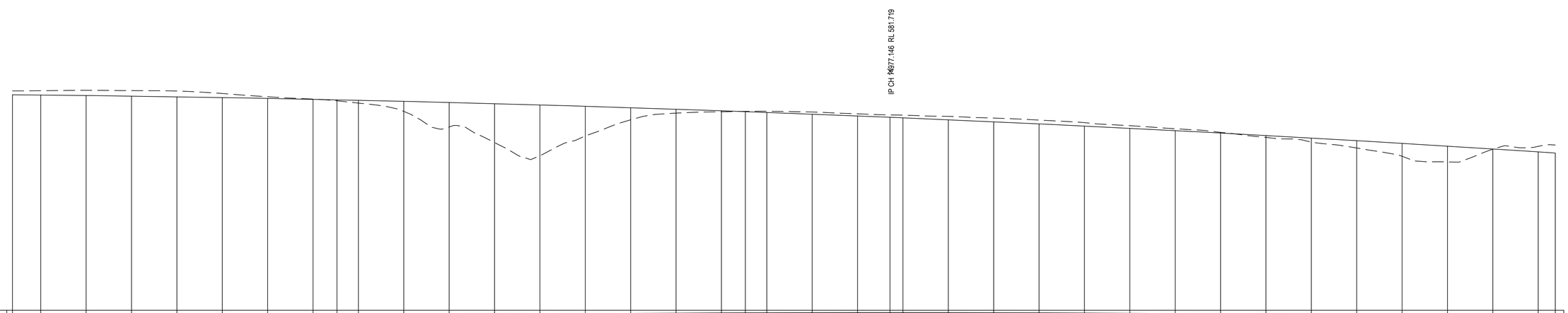
LONGITUDINAL SECTION - ROAD04

HORZ 1:500 VERT 1:500

LONGITUDINAL SECTION

12d Model
Horizontal Scale 1:500
Vertical Scale 1:500
27-Jul-2026 11:45:09





DATUM RL. 529.00

VERTICAL ALIGNMENT: K=60.8, L=702.22m

HORIZONTAL ALIGNMENT: L=314.65m, R=-410m; L=397.03m

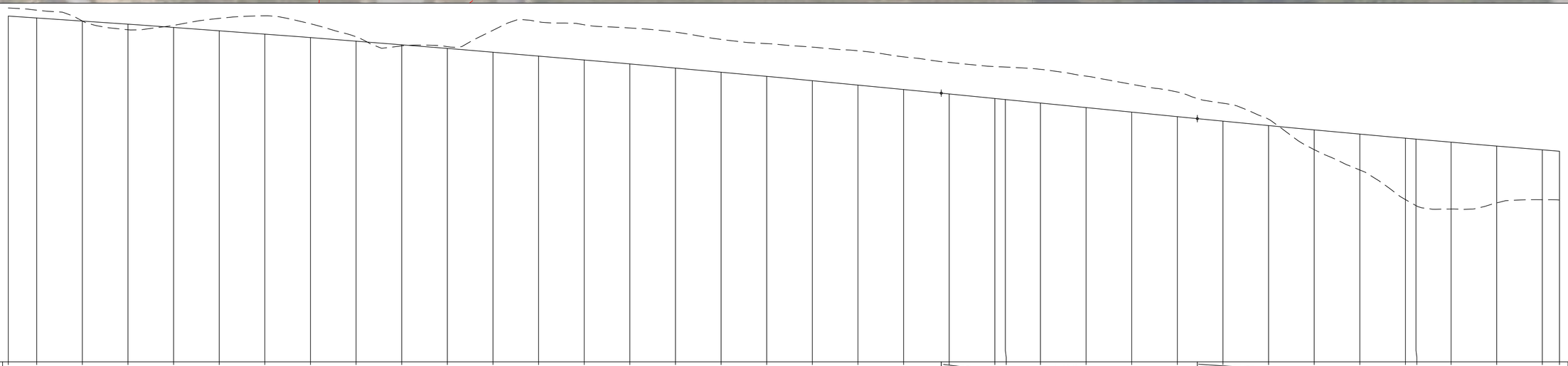
CHAINAGE	LEVEL DIFFERENCE CUT - / FILL +	DESIGN SURFACE LEVEL	EXISTING SURFACE LEVEL	SUPER ELEVATION
14783.76	-0.84	576.563	577.40	
14790	-0.94	576.498	577.44	
14800	-1.15	576.381	577.53	
14810	-1.22	576.248	577.46	
14820	-1.26	576.098	577.36	
14830	-0.89	575.931	576.82	
14840	-0.36	575.748	576.11	
14850	-0.05	575.549	575.60	
14855.27	0.23	575.437	575.21	
14860	0.63	575.333	574.71	
14870	2.22	575.101	572.88	
14880	5.42	574.852	569.44	
14890	8.60	574.587	565.99	
14900	11.20	574.306	563.10	
14910	6.56	574.008	567.45	
14920	2.67	573.693	571.02	
14930	0.86	573.382	572.50	
14940	0.23	573.015	572.78	
14945.27	-0.06	572.825	572.88	
14950	-0.26	572.651	572.91	
14960	-0.47	572.271	572.74	
14970	-0.47	571.874	572.34	
14977.15	-0.51	571.581	572.09	
14980	-0.59	571.461	572.05	
14990	-0.75	571.031	571.78	
15000	-0.82	570.585	571.40	
15010	-0.83	570.123	570.96	
15020	-0.75	569.644	570.39	
15030	-0.58	569.148	569.72	
15040	-0.41	568.637	569.04	
15050	-0.15	568.108	568.25	
15060	0.43	567.564	567.13	
15070	0.90	567.002	566.10	
15080	1.62	566.425	564.80	
15090	2.86	565.831	562.97	
15100	3.49	565.22	561.73	
15110	0.07	564.593	564.52	
15120	-1.22	563.95	565.16	
15123.76	-1.76	563.703	565.46	

LONGITUDINAL SECTION - ROAD04

HORZ 1:500 VERT 1:500

LONGITUDINAL SECTION

12d Model
Horizontal Scale 1:500
Vertical Scale 1:500
27-Jul-2026 11:45:11



DATUM RL. 488.00

VERTICAL ALIGNMENT: K=60.8 L=702.22m; L=56.13m G=-9.94%; K=42 L=417.65m

HORIZONTAL ALIGNMENT: L=397.03m; L=290.04m R=410m

CHAINAGE	LEVEL DIFFERENCE CUT - / FILL +	DESIGN SURFACE LEVEL	EXISTING SURFACE LEVEL
15123.76	-1.76	563.703	565.46
15130	-1.69	563.29	564.98
15140	-0.00	562.613	562.62
15150	1.23	561.921	560.69
15160	-0.45	561.211	561.66
15170	-2.70	560.486	563.18
15180	-4.01	559.744	563.75
15190	-3.01	558.985	562.00
15200	-0.94	558.21	559.15
15210	0.26	557.419	557.16
15220	-0.38	556.611	556.99
15230	-4.79	555.786	560.57
15240	-7.50	554.946	562.44
15250	-7.68	554.088	561.77
15260	-7.86	553.215	561.08
15270	-7.84	552.325	560.16
15280	-7.16	551.418	558.58
15290	-7.16	550.495	557.66
15300	-7.34	549.556	556.89
15310	-7.49	548.6	556.09
15320	-7.13	547.627	554.76
15330	-6.89	546.639	553.53
15340	-6.98	545.644	552.63
15342.3	-7.11	545.415	552.53
15350	-7.38	544.65	552.03
15360	-6.89	543.656	550.54
15370	-6.09	542.662	548.75
15380	-5.39	541.668	547.06
15390	-3.94	540.677	544.61
15400	-1.40	539.708	541.11
15410	4.32	538.763	534.44
15420	7.85	537.842	529.99
15430	13.43	536.945	523.51
15432.3	14.54	536.741	522.20
15440	14.62	536.071	521.45
15450	12.42	535.221	522.81
15460	10.91	534.395	523.48
15463.76	10.67	534.09	523.42

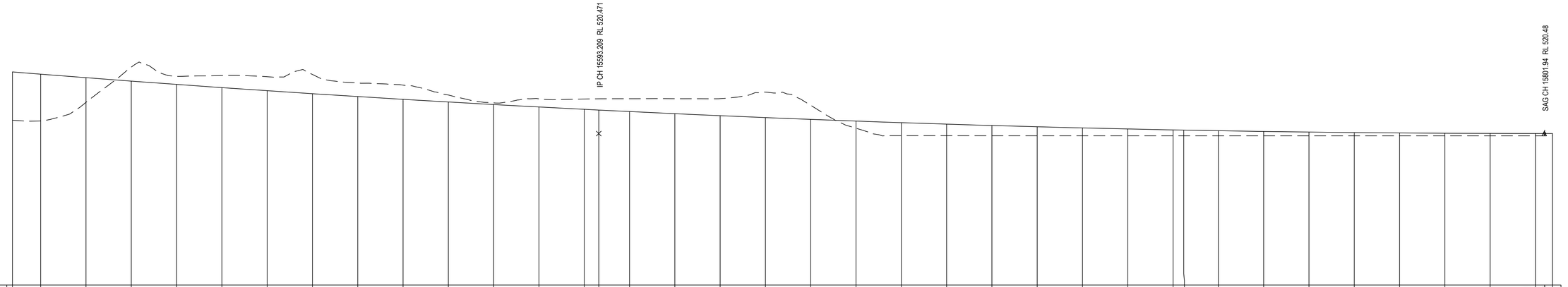
SUPER ELEVATION

LONGITUDINAL SECTION - ROAD04

HORZ 1:500 VERT 1:500

LONGITUDINAL SECTION

12d Model
Horizontal Scale 1:500
Vertical Scale 1:500
27-Jul-2026 11:45:14



DATUM RL. 487.00

VERTICAL ALIGNMENT: K=42, L=417.65m; L=1003.79m, G=0%

HORIZONTAL ALIGNMENT: L=290.04m, R=410m

CHAINAGE	LEVEL DIFFERENCE CUT - / FILL +	DESIGN SURFACE LEVEL	EXISTING SURFACE LEVEL
15463.76	10.67	534.09	523.42
15470	10.32	533.593	523.27
15480	5.44	532.814	527.37
15490	-3.11	532.06	535.17
15500	-1.80	531.329	533.13
15510	-2.66	530.622	533.29
15520	-3.10	529.939	533.04
15530	-4.26	529.279	533.54
15540	-3.00	528.644	531.65
15550	-3.14	528.032	531.18
15560	-1.55	527.444	528.99
15570	-0.38	526.88	527.26
15580	-1.81	526.34	528.15
15590	-2.29	525.823	528.11
15593.21	-2.49	525.662	528.16
15600	-2.84	525.33	528.18
15610	-3.32	524.862	528.18
15620	-3.78	524.416	528.20
15630	-5.63	523.995	529.63
15640	-3.13	523.598	526.73
15650	1.98	523.224	521.64
15660	2.87	522.874	520.00
15670	2.55	522.548	520.00
15680	2.25	522.246	519.99
15690	1.98	521.968	519.99
15700	1.73	521.713	519.99
15710	1.50	521.482	519.98
15720	1.29	521.275	519.98
15722.35	1.25	521.23	519.98
15730	1.11	521.092	519.98
15740	0.95	520.933	519.98
15750	0.82	520.797	519.98
15760	0.71	520.685	519.98
15770	0.62	520.597	519.98
15780	0.56	520.533	519.98
15790	0.52	520.493	519.98
15800	0.50	520.476	519.98
15803.76	0.50	520.476	519.98

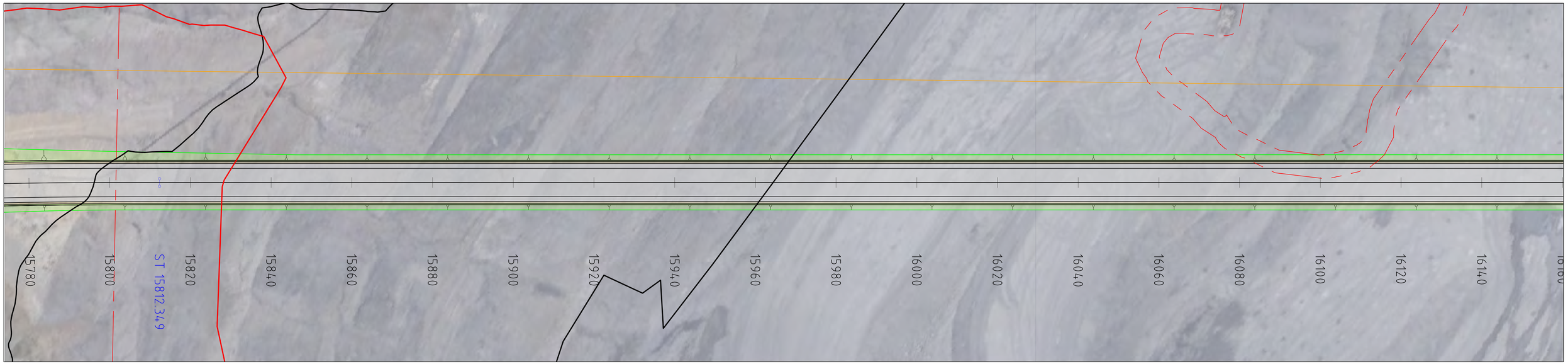
SUPER ELEVATION

LONGITUDINAL SECTION - ROAD04

HORZ 1:500 VERT 1:500

LONGITUDINAL SECTION

12d Model
Horizontal Scale 1:500
Vertical Scale 1:500
27-Jul-2026 11:45:17



DATUM RL. 487.00

VERTICAL ALIGNMENT: L=1003.79m, G=0%

HORIZONTAL ALIGNMENT: L=829.05m

CHAINAGE	LEVEL DIFFERENCE CUT - / FILL +	DESIGN SURFACE LEVEL	EXISTING SURFACE LEVEL	SUPER ELEVATION
15803.76	0.50	520.476	519.98	
15810	0.50	520.476	519.98	
15812.35	0.50	520.476	519.98	
15820	0.50	520.476	519.98	
15830	0.50	520.476	519.98	
15840	0.50	520.477	519.98	
15850	0.50	520.477	519.98	
15860	0.50	520.477	519.98	
15870	0.50	520.477	519.98	
15880	0.50	520.478	519.98	
15890	0.50	520.478	519.98	
15900	0.50	520.478	519.98	
15910	0.50	520.478	519.98	
15920	0.50	520.479	519.98	
15930	0.50	520.479	519.98	
15940	0.50	520.479	519.98	
15950	0.50	520.479	519.98	
15960	0.50	520.479	519.98	
15970	0.50	520.48	519.98	
15980	0.50	520.48	519.98	
15990	0.50	520.48	519.98	
16000	0.50	520.48	519.98	
16010	0.50	520.481	519.98	
16020	0.50	520.481	519.98	
16030	0.50	520.481	519.98	
16040	0.50	520.481	519.98	
16050	0.50	520.482	519.98	
16060	0.50	520.482	519.98	
16070	0.50	520.482	519.98	
16080	0.50	520.482	519.98	
16090	0.50	520.482	519.98	
16100	0.50	520.483	519.98	
16110	0.50	520.483	519.98	
16120	0.50	520.483	519.98	
16130	0.50	520.483	519.98	
16140	0.50	520.484	519.98	
16143.76	0.50	520.484	519.98	

LONGITUDINAL SECTION - ROAD04

HORZ 1:500 VERT 1:500

LONGITUDINAL SECTION

12d Model
Horizontal Scale 1:500
Vertical Scale 1:500
27-Jul-2026 11:45:19

DATUM RL. 487.00

VERTICAL ALIGNMENT: L=1003.79m, G=0%

HORIZONTAL ALIGNMENT: L=829.05m

CHAINAGE	LEVEL DIFFERENCE CUT - / FILL +	DESIGN SURFACE LEVEL	EXISTING SURFACE LEVEL
16143.76	0.50	520.484	519.98
16150	0.50	520.484	519.98
16160	0.50	520.484	519.98
16170	0.51	520.484	519.98
16180	0.51	520.485	519.98
16190	0.51	520.485	519.98
16200	0.51	520.485	519.98
16210	0.51	520.485	519.98
16220	0.51	520.485	519.98
16230	0.51	520.486	519.98
16240	0.51	520.486	519.98
16250	0.51	520.486	519.98
16260	0.51	520.486	519.98
16270	0.51	520.487	519.98
16280	0.51	520.487	519.98
16290	0.51	520.487	519.98
16300	0.51	520.487	519.98
16310	0.51	520.488	519.98
16320	0.51	520.488	519.98
16330	0.51	520.488	519.98
16340	0.51	520.488	519.98
16350	0.51	520.488	519.98
16360	0.51	520.489	519.98
16370	0.51	520.489	519.98
16380	0.51	520.489	519.98
16390	0.51	520.489	519.98
16400	0.51	520.49	519.98
16410	0.51	520.49	519.98
16420	0.51	520.49	519.98
16430	0.51	520.49	519.98
16440	0.51	520.491	519.99
16450	0.50	520.491	519.99
16460	0.50	520.491	519.99
16470	0.50	520.491	519.99
16480	0.50	520.491	519.99
16483.76	0.50	520.492	519.99

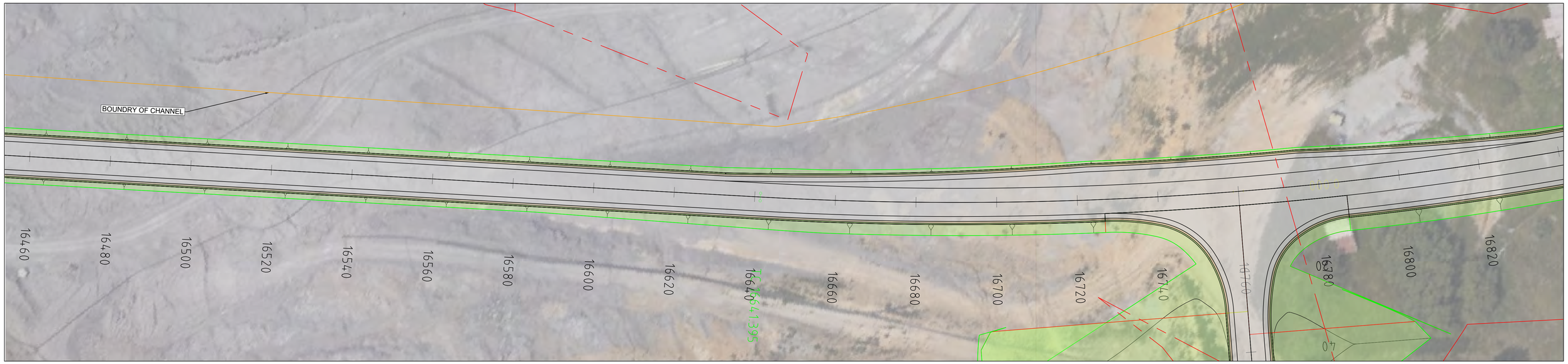
SUPER ELEVATION

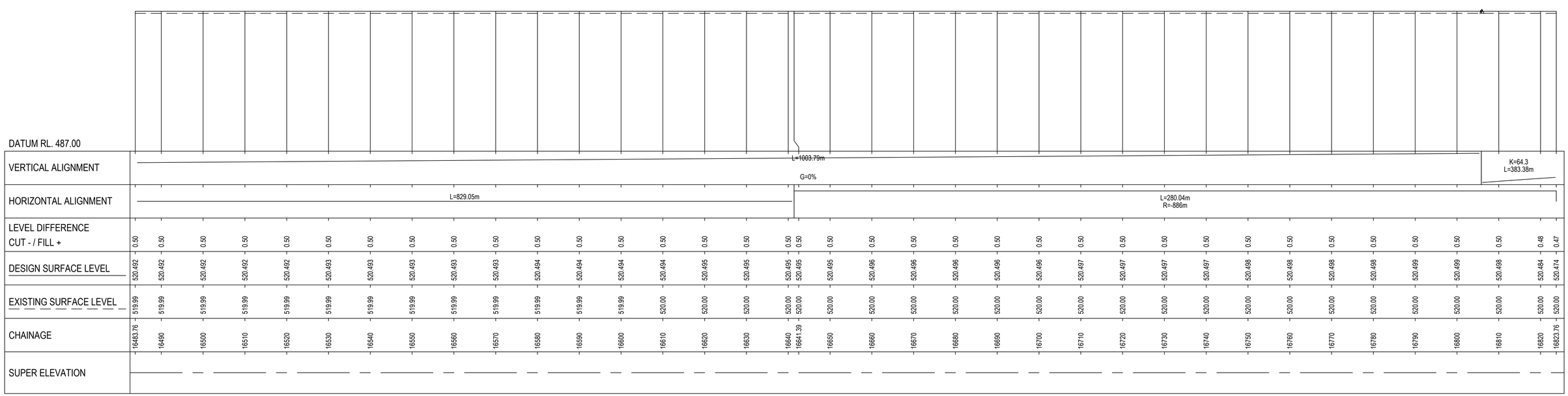
LONGITUDINAL SECTION - ROAD04

HORZ 1:500 VERT 1:500

LONGITUDINAL SECTION

12d Model
Horizontal Scale 1:500
Vertical Scale 1:500
27-Jul-2026 11:45:22



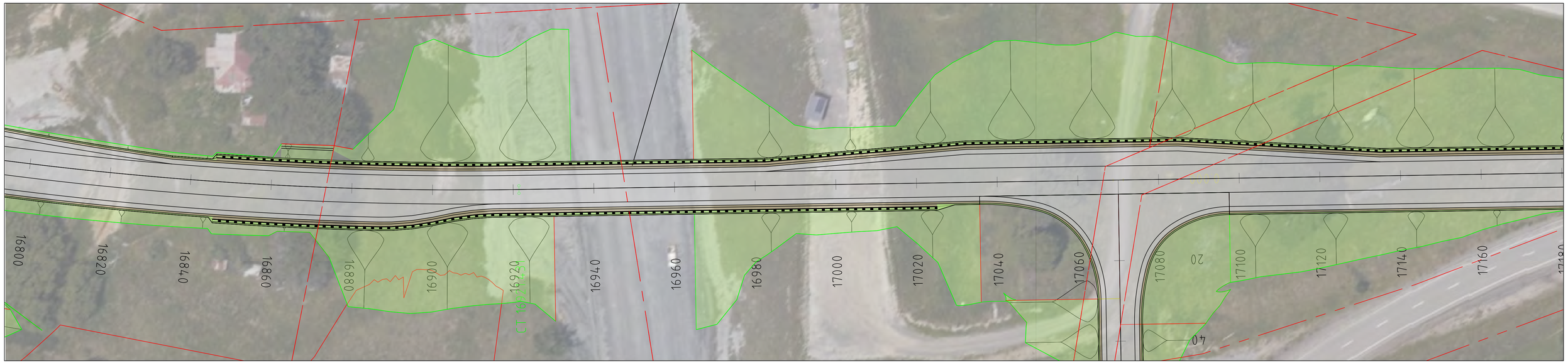


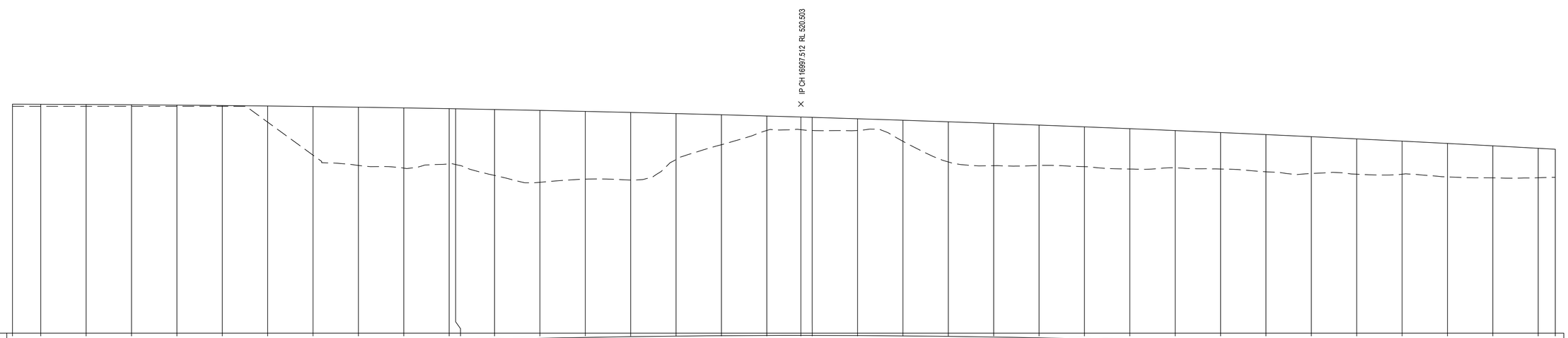
LONGITUDINAL SECTION - ROAD04

HORZ 1:500 VERT 1:500

LONGITUDINAL SECTION

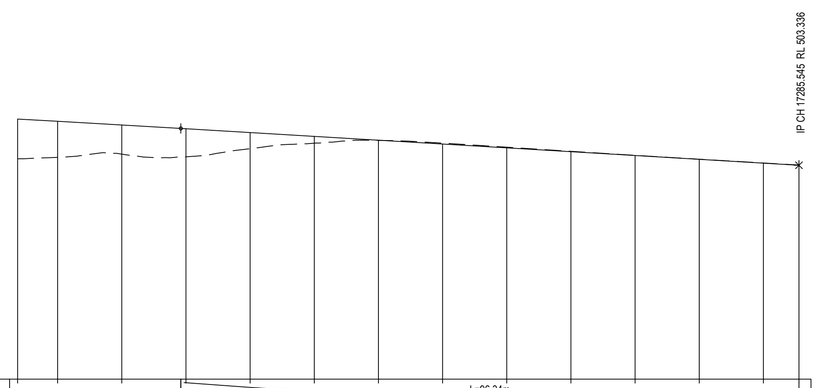
12d Model
Horizontal Scale 1:500
Vertical Scale 1:500
27-Jul-2026 11:45:25





DATUM RL. 470.00

| | | |



DATUM RL. 470.00

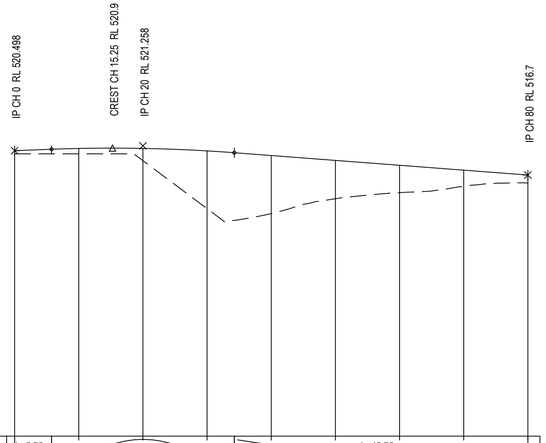
VERTICAL ALIGNMENT	K=64.3 L=383.38m				L=96.34m G=-5.96%									
HORIZONTAL ALIGNMENT	L=364.11m													
LEVEL DIFFERENCE CUT - / FILL +	6.20	5.62	4.55	4.38	2.52	1.06	0.03	-0.14	-0.11	-0.06	-0.02	-0.02	-0.02	-0.04
DESIGN SURFACE LEVEL	510.544	510.194	509.62	509.031	508.435	507.839	507.243	506.647	506.051	505.455	504.859	504.263	503.667	503.336
EXISTING SURFACE LEVEL	504.35	504.57	505.07	504.65	505.92	506.78	507.22	506.79	506.16	505.51	504.88	504.28	503.69	503.37
CHAINAGE	17163.76	17170	17180	17190	17200	17210	17220	17230	17240	17250	17260	17270	17280	17285.54
SUPER ELEVATION														

LONGITUDINAL SECTION - ROAD04

HORZ 1:500 VERT 1:500

LONGITUDINAL SECTION

12d Model
Horizontal Scale 1:500
Vertical Scale 1:500
27-Jul-2026 11:45:30



DATUM RL. 476.00

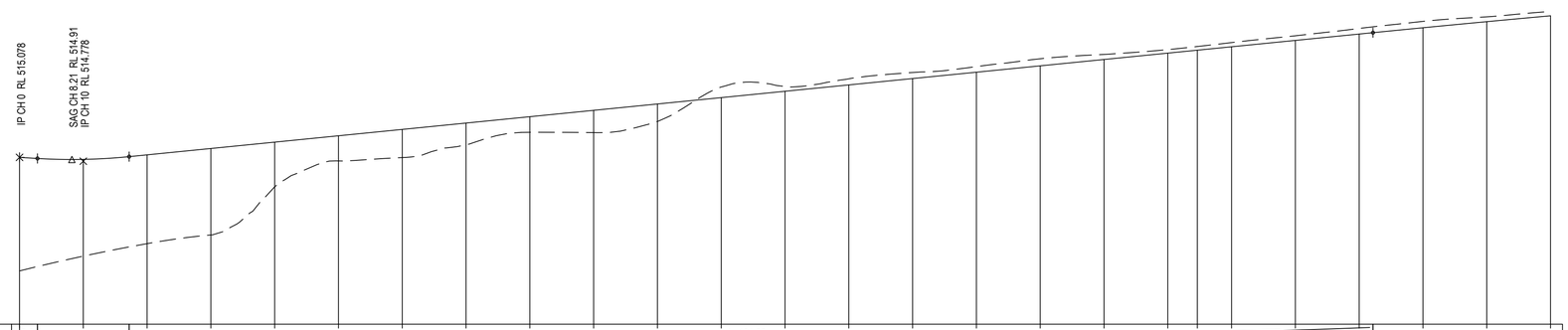
VERTICAL ALIGNMENT	L=5.75m G=3.8%		K=2.5 L=28.49m		L=45.75m G=-7.6%				
HORIZONTAL ALIGNMENT	L=80m								
LEVEL DIFFERENCE CUT - / FILL +	0.50	0.84	1.91	9.00	9.05	5.97	4.26	2.52	1.23
DESIGN SURFACE LEVEL	520.498	520.842	520.852	520.462	519.738	518.979	518.219	517.459	516.7
EXISTING SURFACE LEVEL	520.00	520.00	518.94	511.46	510.69	513.01	513.95	514.94	515.47
CHAINAGE	0	10	20	30	40	50	60	70	80
SUPER ELEVATION									

LONGITUDINAL SECTION - ROAD05

HORZ 1:500 VERT 1:500

LONGITUDINAL SECTION

12d Model
Horizontal Scale 1:500
Vertical Scale 1:500
27-Jul-2026 11:45:34



DATUM RL. 502.00

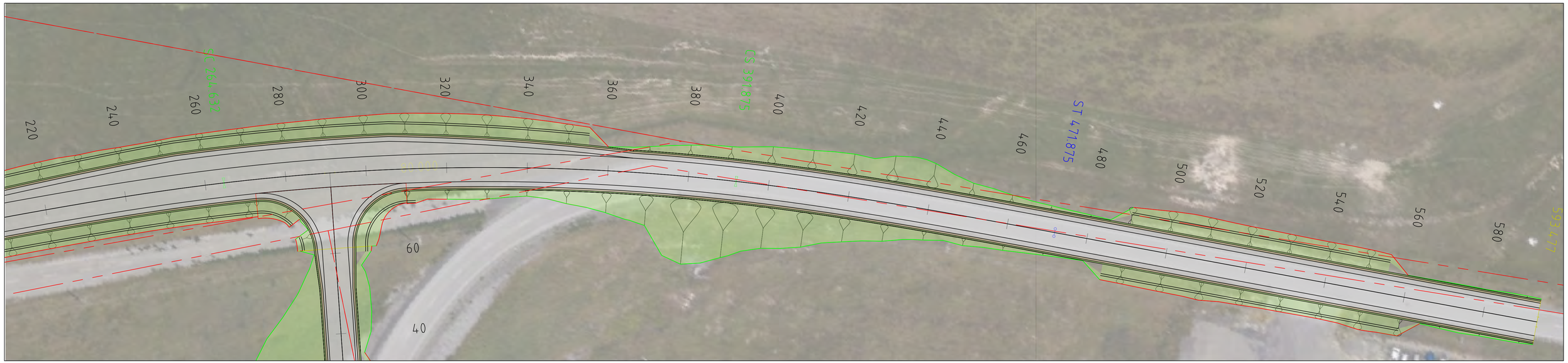
VERTICAL ALIGNMENT	L=2.81m G=-3%	K=1.8 L=14.37m	L=194.98m G=4.99%																						K=60.8 L=99.87m	
HORIZONTAL ALIGNMENT	L=80m												L=104.63m													
LEVEL DIFFERENCE CUT - / FILL +	8.90	7.59	6.96	6.78	3.51	1.97	2.21	1.70	1.22	1.75	1.37	-0.83	-0.37	-0.48	-0.48	-0.44	-0.55	-0.40	-0.28	-0.29	-0.33	-0.36	-0.44	-0.51	-0.39	-0.34
DESIGN SURFACE LEVEL	515.078	514.921	515.277	515.775	516.274	516.772	517.271	517.769	518.268	518.766	519.265	519.763	520.262	520.76	521.259	521.757	522.256	522.754	523.253	523.484	523.751	524.25	524.746	525.242	525.719	526.18
EXISTING SURFACE LEVEL	506.17	507.34	508.31	508.99	512.77	514.80	515.06	516.07	517.04	517.02	517.90	520.60	520.63	521.24	521.73	522.20	522.81	523.15	523.53	523.77	524.08	524.61	525.19	525.75	526.11	526.52
CHAINAGE	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	184.63	190	200	210	220	230	240
SUPER ELEVATION																										

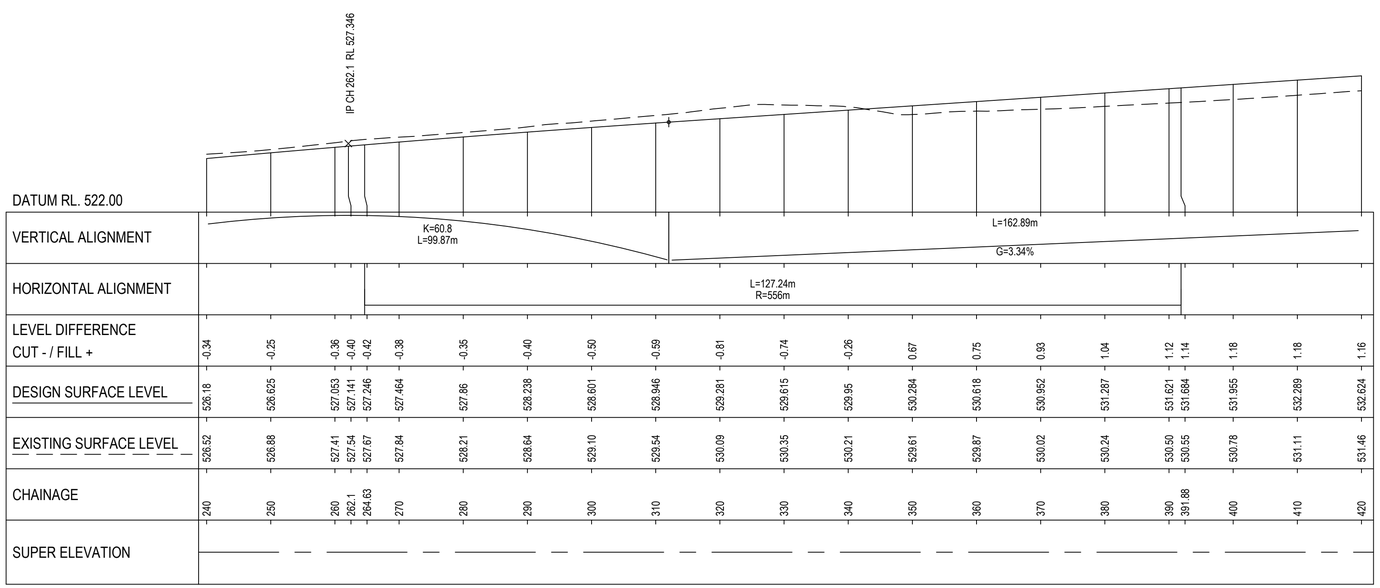
LONGITUDINAL SECTION - ROAD06

HORZ 1:500 VERT 1:250

LONGITUDINAL SECTION

12d Model
Horizontal Scale 1:500
Vertical Scale 1:250
27-Jul-2026 11:45:37



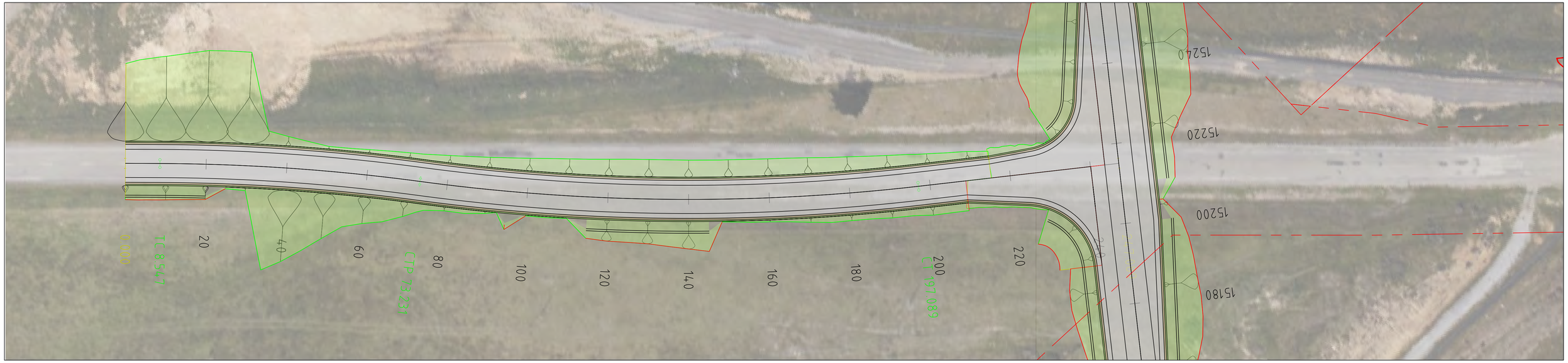


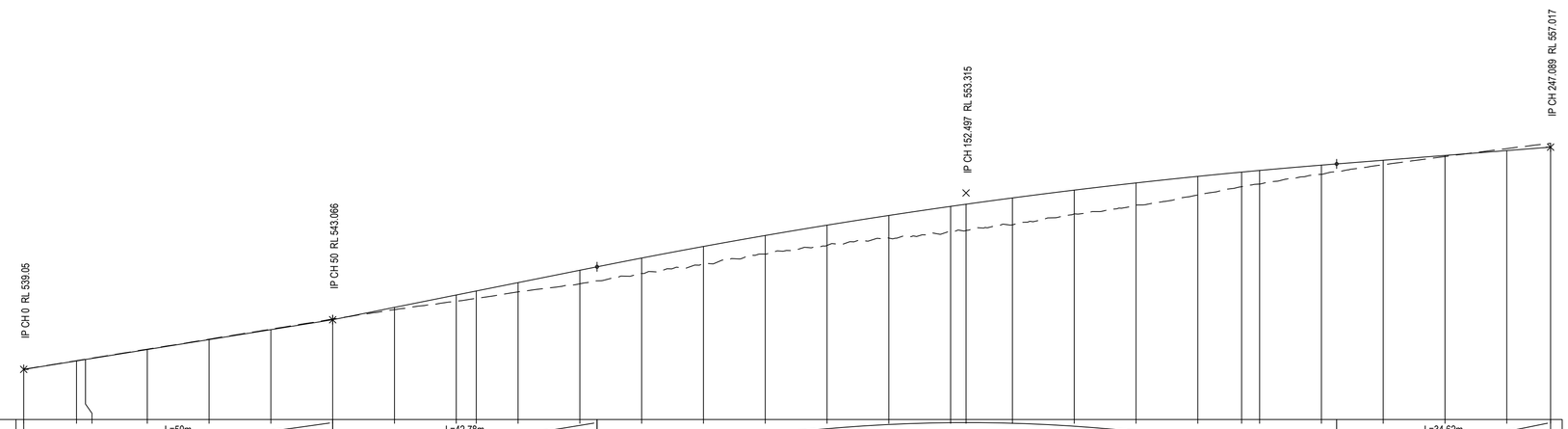
LONGITUDINAL SECTION - ROAD06

HORZ 1:500 VERT 1:250

LONGITUDINAL SECTION

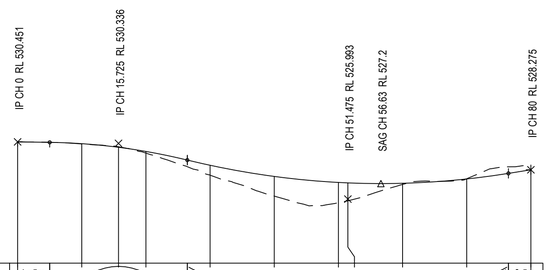
12d Model
Horizontal Scale 1:500
Vertical Scale 1:250
27-Jul-2026 11:45:40





DATUM RL. 535.00

| | | |



DATUM RL. 521.00

VERTICAL ALIGNMENT											
HORIZONTAL ALIGNMENT	L=80m										
LEVEL DIFFERENCE CUT - / FILL +	0.00	0.02	-0.04	0.13	0.77	1.53	1.58	1.40	0.09	-0.02	-0.43
DESIGN SURFACE LEVEL	530.451	530.311	530.03	529.706	528.627	527.757	527.289	527.254	527.223	527.56	528.275
EXISTING SURFACE LEVEL	530.45	530.29	530.07	529.58	527.86	526.22	525.71	525.86	527.13	527.58	528.70
CHAINAGE	0	10	15.72	20	30	40	50	51.47	60	70	80
SUPER ELEVATION											

LONGITUDINAL SECTION - ROAD08

HORZ 1:500 VERT 1:250

LONGITUDINAL SECTION

12d Model
Horizontal Scale 1:500
Vertical Scale 1:250
27-Jul-2026 11:45:47