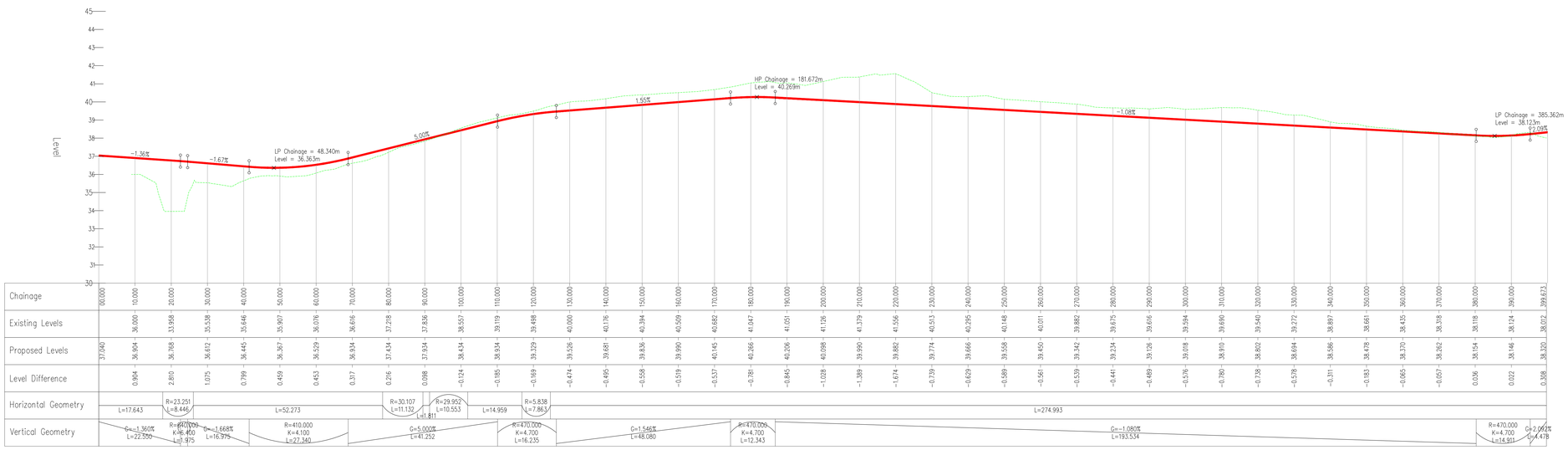
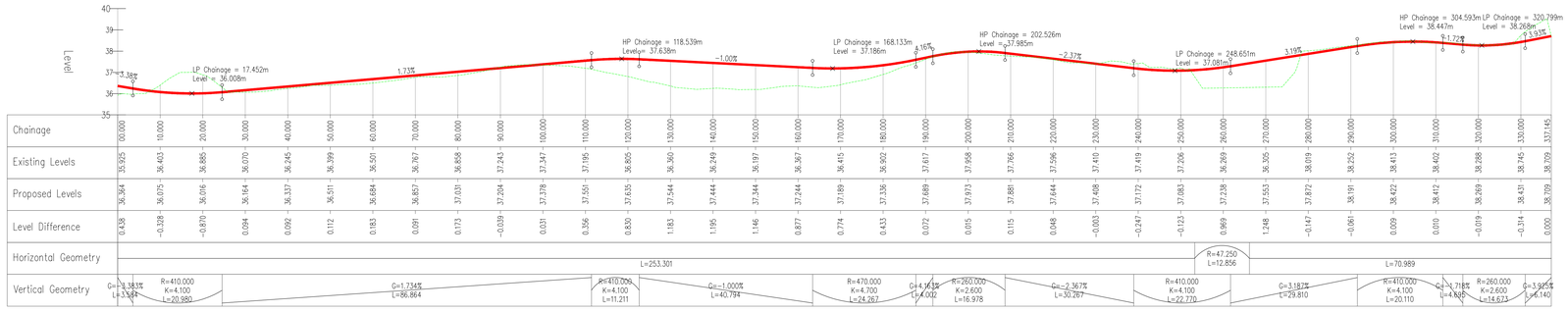


Chainage	00.000	10.000	20.000	30.000	40.000	50.000	60.000	70.000	80.000	90.000	100.000	110.000	120.000	130.000	140.000	150.000	160.000	170.000	180.000	190.000	200.000	210.000	220.000	230.000	240.000	250.000	260.000	270.000	280.000	290.000	300.000	310.000	320.000	330.000	340.000	350.000	360.000	370.000	380.000	390.000	399.673
Existing Levels	36.000	33.958	35.538	35.646	35.907	36.076	36.616	37.278	37.836	38.557	39.119	39.498	40.000	40.176	40.394	40.509	40.682	41.047	41.126	41.051	41.126	41.379	41.566	40.513	40.295	40.148	40.011	39.882	39.675	39.616	39.594	39.699	39.540	39.272	38.897	38.661	38.435	38.318	38.118	38.124	38.072	38.020
Proposed Levels	37.040	36.904	36.768	36.672	36.445	36.367	36.529	36.934	37.434	37.934	38.434	38.934	39.129	39.328	39.526	39.681	39.836	39.990	40.145	40.266	40.206	40.098	39.990	39.782	39.774	39.666	39.558	39.450	39.342	39.234	39.126	39.018	38.910	38.802	38.694	38.586	38.478	38.370	38.262	38.154	38.146	38.320
Level Difference		0.904	2.810	1.075	0.799	0.459	0.453	0.317	0.216	0.098	-0.124	-0.185	-0.169	-0.474	-0.495	-0.558	-0.519	-0.537	-0.781	-0.845	-1.028	-1.389	-1.674	-0.739	-0.629	-0.589	-0.561	-0.539	-0.441	-0.489	-0.576	-0.780	-0.738	-0.578	-0.311	-0.183	-0.065	-0.057	0.036	0.022	-0.308
Horizontal Geometry		L=17.643	R=23.251 L=8.446	L=52.273					R=30.107 L=11.132	R=29.952 L=10.553 L=1.811	L=14.959	R=5.838 L=7.863	L=274.993																													
Vertical Geometry		G=-1.360% L=22.550	R=470.000 K=6.400 L=1.975	G=-1.668% L=16.975	R=410.000 K=4.100 L=27.340				G=5.000% L=41.252			R=470.000 K=4.700 L=16.235		G=1.546% L=48.080			R=470.000 K=4.700 L=12.343																								R=470.000 K=4.700 L=14.911	G=2.092% L=4.478

ROAD 01 – LONGSECTION

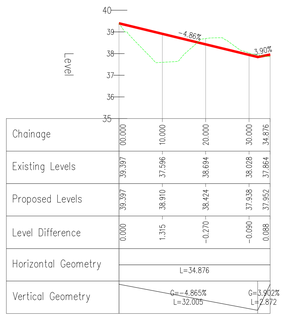
SCALE: H 1:500,V 1:100. DATUM: 30.000



Chainage	00.000	10.000	20.000	30.000	40.000	50.000	60.000	70.000	80.000	90.000	100.000	110.000	120.000	130.000	140.000	150.000	160.000	170.000	180.000	190.000	200.000	210.000	220.000	230.000	240.000	250.000	260.000	270.000	280.000	290.000	300.000	310.000	320.000	330.000	337.145
Existing Levels	35.925	36.403	36.885	36.070	36.245	36.399	36.501	36.767	36.858	37.243	37.347	37.195	36.805	36.360	36.249	36.197	36.367	36.415	36.902	37.617	37.958	37.766	37.596	37.410	37.419	37.206	36.269	36.305	38.019	38.252	38.413	38.402	38.412	38.269	38.431
Proposed Levels	36.364	36.075	36.016	36.164	36.337	36.511	36.684	36.857	37.031	37.284	37.378	37.551	37.635	37.544	37.444	37.344	37.244	37.189	37.336	37.617	37.973	37.881	37.644	37.408	37.172	37.083	37.238	37.553	37.872	38.191	38.422	38.412	38.269	38.431	38.709
Level Difference	0.438	-0.328	-0.870	0.094	0.092	0.112	0.183	0.091	0.173	-0.039	0.031	0.356	0.830	1.183	1.195	1.146	0.877	0.774	0.433	0.072	0.015	0.115	0.048	-0.003	-0.247	-0.123	0.969	1.248	-0.147	-0.061	0.009	0.010	-0.019	-0.314	0.000
Horizontal Geometry		L=253.301																									R=47.250 L=12.856	L=70.989								
Vertical Geometry	G=3.383% L=3.562	R=410.000 K=4.100 L=20.980	G=1.734% L=86.864									R=410.000 K=4.100 L=11.211	G=-1.000% L=40.794			R=470.000 K=4.700 L=24.267	G=4.161% L=4.002	R=260.000 K=2.600 L=16.978	G=-2.367% L=30.267		R=410.000 K=4.100 L=22.770	G=3.187% L=29.810		R=410.000 K=4.100 L=20.110	G=-1.718% L=4.805	R=260.000 K=2.600 L=14.673	G=3.925% L=6.140								

ROAD 02 – LONGSECTION

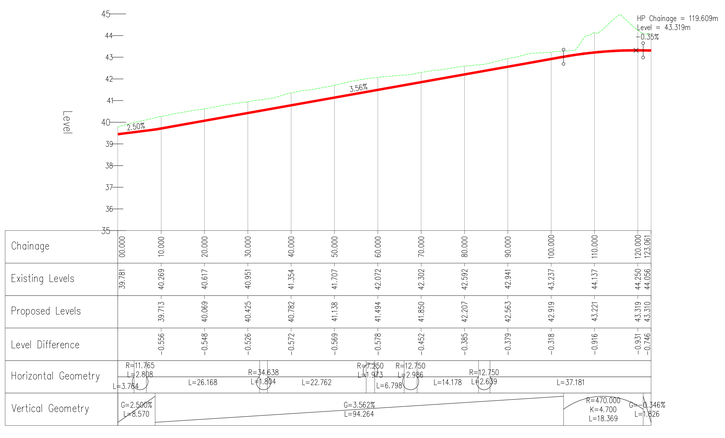
SCALE: H 1:500,V 1:100. DATUM: 35.000



Chainage	00.000	10.000	20.000	30.000	34.876
Existing Levels	39.397	37.596	38.694	38.028	37.864
Proposed Levels	39.397	38.910	38.424	37.938	37.952
Level Difference	0.000	1.315	-0.270	-0.090	0.088
Horizontal Geometry		L=34.876			
Vertical Geometry		G=-4.865% L=32.005		G=3.902% L=2.872	

ROAD 03 – LONGSECTION

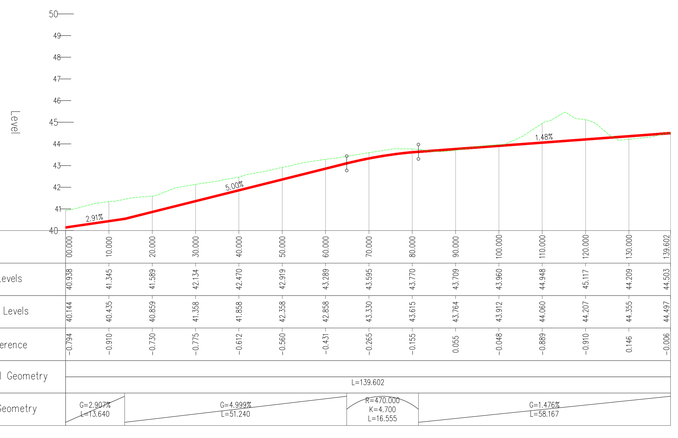
SCALE: H 1:500,V 1:100. DATUM: 35.000



Chainage	00.000	10.000	20.000	30.000	40.000	50.000	60.000	70.000	80.000	90.000	100.000	110.000	120.000	123.080
Existing Levels	39.781	40.269	40.617	40.951	41.354	41.707	42.072	42.302	42.562	42.941	43.237	44.137	44.250	44.698
Proposed Levels		39.713	40.069	40.425	40.782	41.138	41.494	41.850	42.207	42.563	42.919	43.221	43.319	43.319
Level Difference		-0.556	-0.548	-0.526	-0.572	-0.569	-0.578	-0.452	-0.355	-0.379	-0.318	-0.916	-0.931	-0.146
Horizontal Geometry		R=11.765 L=2.808 L=3.784	L=26.168	R=34.638 L=5.894	L=22.762	R=7.350 L=4.973	R=12.750 L=6.798	R=2.986 L=14.178	R=12.750 L=2.639	L=37.181				
Vertical Geometry	G=2.500% L=8.570		G=3.562% L=94.264								R=470.000 K=4.700 L=18.369	G=-0.346% L=1.926		

ROAD 04 – LONGSECTION

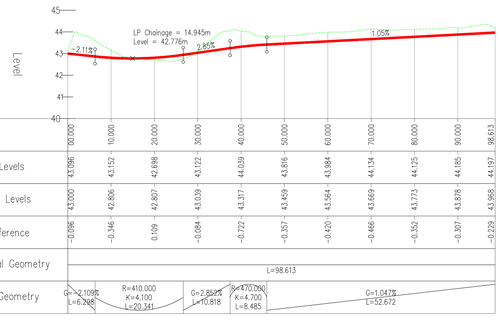
SCALE: H 1:500,V 1:100. DATUM: 35.000



Chainage	00.000	10.000	20.000	30.000	40.000	50.000	60.000	70.000	80.000	90.000	100.000	110.000	120.000	130.000	139.602
Existing Levels	40.938	41.345	41.589	42.134	42.470	42.919	43.289	43.595	43.770	43.709	43.960	44.948	45.117	44.209	44.503
Proposed Levels	40.144	40.435	40.859	41.358	41.858	42.358	42.858	43.330	43.615	43.764	43.912	44.060	44.207	44.355	44.497
Level Difference	-0.794	-0.910	-0.730	-0.775	-0.612	-0.560	-0.431	-0.265	-0.155	0.055	-0.048	-0.889	-0.910	0.146	-0.006
Horizontal Geometry		L=139.602													
Vertical Geometry	G=2.907% L=13.640		G=4.999% L=51.240					R=470.000 K=4.700 L=16.555		G=1.476% L=58.167					

ROAD 05 – LONGSECTION

SCALE: H 1:500,V 1:100. DATUM: 40.000



Chainage	00.000	10.000	20.000	30.000	40.000	50.000	60.000	70.000	80.000	90.000	98.613
Existing Levels	43.096	43.152	42.698	43.122	44.039	43.816	43.984	44.134	44.125	44.185	44.197
Proposed Levels	43.000	42.806	42.807	43.039	43.717	43.459	43.564	43.669	43.773	43.878	43.968
Level Difference	-0.096	-0.346	0.109	-0.084	-0.722	-0.357	-0.420	-0.466	-0.352	-0.307	-0.229
Horizontal Geometry		L=98.613									
Vertical Geometry	G=2.109% L=6.248	R=410.000 K=4.100 L=20.341		G=2.854% L=10.818	R=470.000 K=4.700 L=8.485		G=1.047% L=52.672				

ROAD 06 – LONGSECTION

SCALE: H 1:500,V 1:100. DATUM: 40.000

Job No.R086

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Rev. No.	Date	REVISION NOTE	Dn. By	Chkd. By
P1	03/12/2021	ISSUED FOR PLANNING STAGE 3	JS	GF

Client	THE ARDEE PARTNERSHIP
Project	BRIDGEGATE SHD, ARDEE, CO. LOUTH
Title	ROAD LONGITUDINAL SECTIONS SHEET 1 OF 2
Dwg. No.	ARDEE-CSC-00-XX-DR-C-1012

Date	Dn by	Chkd by	Apvd by	Scale	Revision
August 2020	DD	HS	NB	AS SHOWN @ A0	P1

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Health & Safety OHSAS 18001:2007