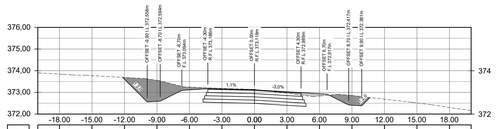
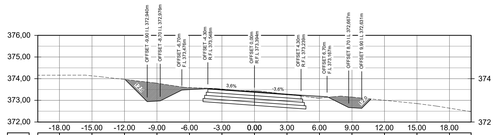


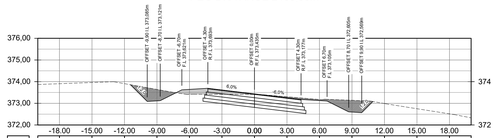
N.G.L (m)	373.844	373.772	373.688	373.554	373.240	373.184	373.135	372.957	372.832	372.855	372.685	372.512	372.306						
R.F.L (m)		373.608	372.585	373.115	373.152	373.118	373.028	372.939	372.408	372.428									
CUT/FILL (m)		0.08	0.97	0.13	0.03	0.02	-0.07	-0.11	0.45										

PEG DISTANCE 2480,00m



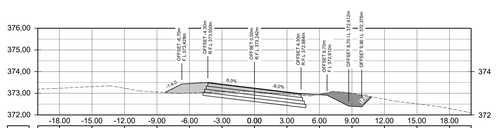
N.G.L (m)	374.161	374.131	373.965	373.791	373.591	373.520	373.436	373.278	373.099	373.152	373.002	372.851	372.639						
R.F.L (m)			372.967	373.497	373.501	373.394	373.286	373.188	372.658										
CUT/FILL (m)			0.82	0.09	0.02	0.04	-0.01	-0.09	0.49										

PEG DISTANCE 2460,00m



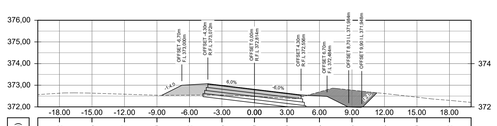
N.G.L (m)	373.905	373.960	373.908	373.640	373.414	373.415	373.410	373.303	373.175	373.139	372.988	372.750	372.513						
R.F.L (m)			373.112	373.642	373.615	373.435	373.255	373.126	372.596										
CUT/FILL (m)			0.53	-0.23	-0.20	-0.02	-0.05	0.05	0.54										

PEG DISTANCE 2440,00m



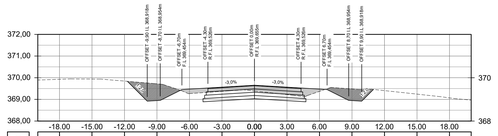
N.G.L (m)	373.232	373.306	373.231	373.056	373.009	373.061	373.072	372.954	372.953	373.001	372.730	372.510	372.292						
R.F.L (m)					373.449	373.422	373.242	373.082	372.933	372.403									
CUT/FILL (m)					-0.44	-0.36	-0.17	-0.11	0.02	0.60									

PEG DISTANCE 2420,00m



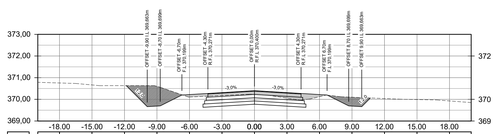
N.G.L (m)	372.632	372.635	372.587	372.539	372.542	372.545	372.479	372.400	372.695	372.776	372.616	372.449	372.302						
R.F.L (m)					373.021	372.984	372.814	372.634	372.505	371.975									
CUT/FILL (m)					-0.48	-0.45	-0.33	-0.23	0.19	0.80									

PEG DISTANCE 2400,00m



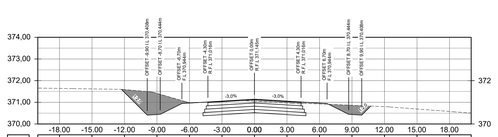
N.G.L (m)	369.927	369.938	369.945	369.718	369.257	369.372	369.386	369.221	369.370	369.481	369.405	369.242	369.070						
R.F.L (m)				368.945	369.475	369.565	369.655	369.565	369.475	368.945									
CUT/FILL (m)				0.77	-0.21	-0.19	-0.27	-0.34	-0.10	0.54									

PEG DISTANCE 2580,00m



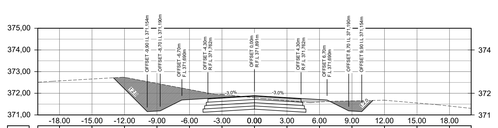
N.G.L (m)	370.756	370.665	370.633	370.599	370.106	370.176	370.223	370.054	370.123	370.099	370.037	369.991	369.927						
R.F.L (m)				369.690	370.220	370.310	370.400	370.310	370.220	369.690									
CUT/FILL (m)				0.91	-0.11	-0.13	-0.18	-0.26	-0.10	0.41									

PEG DISTANCE 2560,00m



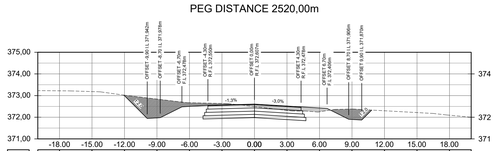
N.G.L (m)	371.641	371.619	371.588	371.411	370.960	371.044	371.052	370.966	370.924	370.862	370.820	370.690	370.578						
R.F.L (m)			371.458	370.435	370.965	371.055	371.145	371.055	370.965	370.435									
CUT/FILL (m)			0.13	0.98	0.01	-0.01	-0.09	-0.09	-0.04	0.43									

PEG DISTANCE 2540,00m



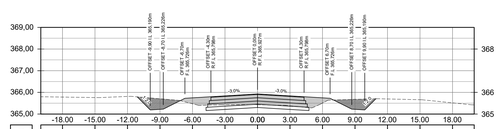
N.G.L (m)	372.572	372.659	372.731	372.457	372.175	371.950	371.793	371.661	371.598	371.648	371.680	371.551	371.411						
R.F.L (m)			372.204	371.181	371.711	371.801	371.891	371.801	371.711	371.181									
CUT/FILL (m)			0.53	1.28	0.46	0.15	-0.10	-0.14	-0.11	0.47									

PEG DISTANCE 2520,00m



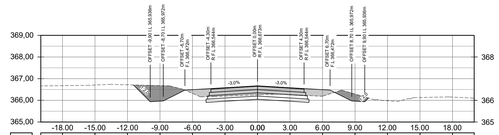
N.G.L (m)	373.220	373.185	373.018	372.838	372.670	372.636	372.493	372.315	372.252	372.377	372.299	372.216	372.094						
R.F.L (m)			372.992	371.969	372.499	372.588	372.607	372.517	372.427	371.897									
CUT/FILL (m)			0.03	0.87	0.17	0.07	-0.11	-0.20	-0.18	0.48									

PEG DISTANCE 2500,00m



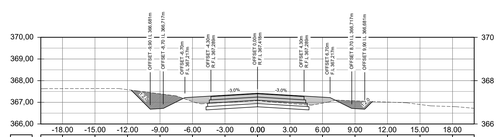
N.G.L (m)	365.784	365.761	365.813	365.705	365.474	365.427	365.433	365.379	365.507	365.679	365.698	365.662	365.516						
R.F.L (m)				365.217	365.747	365.837	365.927	365.837	365.747	365.217									
CUT/FILL (m)				0.49	-0.27	-0.41	-0.49	-0.46	-0.24	0.46									

PEG DISTANCE 2680,00m



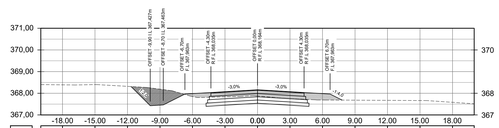
N.G.L (m)	366.678	366.707	366.717	366.679	366.320	366.195	366.257	366.266	366.191	365.291	365.981	366.130	366.149						
R.F.L (m)				365.963	366.493	366.583	366.673	366.583	366.493	365.963									
CUT/FILL (m)				0.72	-0.17	-0.39	-0.42	-0.32	-0.30	0.33									

PEG DISTANCE 2660,00m



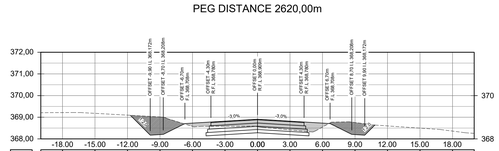
N.G.L (m)	367.633	367.635	367.584	367.392	367.032	366.993	367.076	366.941	366.960	367.068	367.012	366.899	366.804						
R.F.L (m)				366.708	367.239	367.328	367.418	367.328	367.239	366.708									
CUT/FILL (m)				0.68	-0.21	-0.34	-0.34	-0.39	-0.28	0.36									

PEG DISTANCE 2640,00m



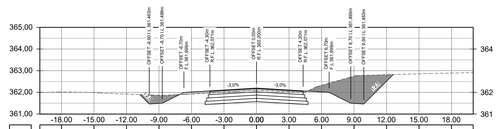
N.G.L (m)	368.390	368.401	368.320	368.190	367.850	367.838	367.877	367.752	367.690	367.682	367.674	367.665	367.583						
R.F.L (m)				367.454	367.984	368.074	368.164	368.074	367.984										
CUT/FILL (m)				0.74	-0.13	-0.24	-0.29	-0.32	-0.29										

PEG DISTANCE 2620,00m



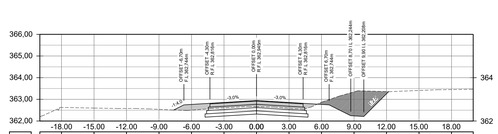
N.G.L (m)	369.216	369.180	369.097	369.014	368.578	368.584	368.564	368.416	368.549	368.756	368.600	368.488	368.361						
R.F.L (m)				368.199	368.729	368.819	368.909	368.819	368.729	368.199									
CUT/FILL (m)				0.82	-0.15	-0.23	-0.35	-0.40	-0.18	0.56									

PEG DISTANCE 2600,00m



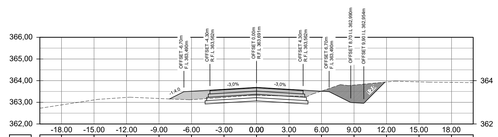
N.G.L (m)	362.017	361.991	361.922	361.865	361.921	362.007	362.100	362.023	362.326	362.749	362.814	362.857	362.893						
R.F.L (m)				361.490	362.020	362.110	362.200	362.110	362.020	361.490	362.513								
CUT/FILL (m)				0.38	-0.10	-0.10	-0.10	-0.09	0.31	1.26	0.30								

PEG DISTANCE 2780,00m



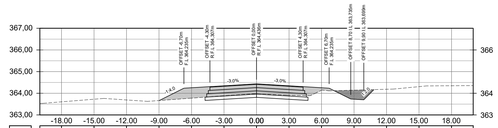
N.G.L (m)	362.625	362.597	362.579	362.538	362.501	362.607	362.664	362.592	362.865	363.346	363.361	363.409	363.451						
R.F.L (m)					362.765	362.855	362.945	362.855	362.765	362.235	363.258								
CUT/FILL (m)					-0.26	-0.25	-0.28	-0.26	0.10	1.11	0.10								

PEG DISTANCE 2760,00m



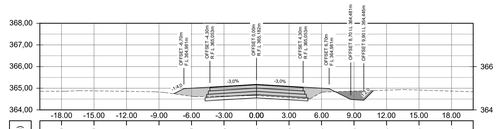
N.G.L (m)	362.890	363.110	363.226	363.176	363.123	363.224	363.319	363.207	363.516	363.796	363.938	363.943	363.919						
R.F.L (m)					363.511	363.601	363.691	363.601	363.511	362.981									
CUT/FILL (m)					-0.39	-0.38	-0.37	-0.31	0.01	0.82									

PEG DISTANCE 2740,00m



N.G.L (m)	363.606	363.727	363.692	363.665	363.775	363.886	363.969	363.910	364.139	364.144	364.185	364.307	364.348						
R.F.L (m)					364.256	364.346	364.436	364.346	364.256	363.726									
CUT/FILL (m)					-0.48	-0.46	-0.47	-0.44	-0.12	0.42									

PEG DISTANCE 2720,00m



N.G.L (m)	364.860	364.879	364.857	364.824	364.629	364.635	364.656	364.565	364.608	364.866	364.913	364.916	364.868						
R.F.L (m)					365.002	365.092	365.182	365.092	365.002	364.472									
CUT/FILL (m)					-0.37	-0.46	-0.53	-0.53	-0.19	0.39									

PEG DISTANCE 2700,00m

SCALE 1 : 100 — 0 1 2 3 4 5 10 m

SCALE 1 : 200 — 0 5 10 20 m

No	DATE	REVISION 1	CONSULT	DIR
A	15-08-2019	PRELIMINARY DESIGN DRAWING	L.G.N	S.M.N

FOR PRELIMINARY

DESIGNED BY	SM NXUMALO (Pr. Technician)
CHECKED BY	LG NGCOBO (Pr. Technologist)
DRAWN BY	F BALOYI (Candidate Technician)
CHECKED BY	SM NXUMALO (Pr. Technician)

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0699

TEL: (015) 297 7434
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CLIENT — DATE

CONSULTING ENGINEER — DATE

PLM 00/2019

UPGRADING OF P43/3 ROAD
Ga-SELWANA ACCESS ROAD

ROAD CROSS SECTIONS
SHEET 7 OF 8

(Full signature)
For Client — 20 / /
For Consulting Engineer — 20 / /

CONSULTANTS DRAWING NUMBER: HCE 000/2019/111

SHEET 16 OF 37

A0 SCALE: AS SHOWN

CLIENT DRAWING NUMBER: PLM 000/2019/111