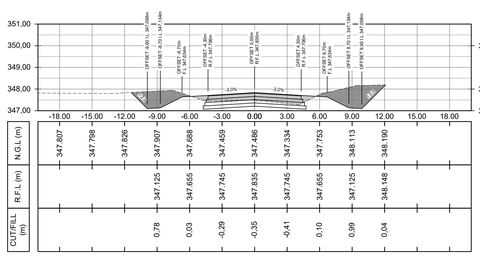
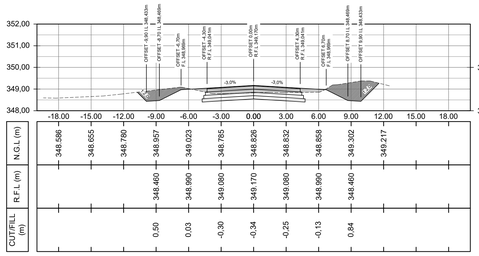


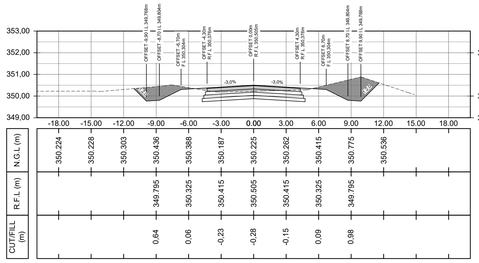
N.G.L (m)	347.807	347.798	347.826	347.907	347.688	347.459	347.486	347.334	347.753	348.113	348.190													
R.F.L (m)				347.125	347.655	347.745	347.835	347.745	347.655	347.125	348.148													
CUT/FILL (m)				0.78	0.03	-0.29	-0.35	-0.41	0.10	0.99	0.04													

PEG DISTANCE 880,00m



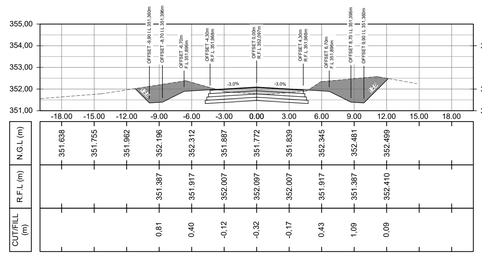
N.G.L (m)	348.586	348.655	348.780	348.957	349.023	348.785	348.826	348.832	348.858	349.302	349.217													
R.F.L (m)				348.460	348.990	349.080	349.170	349.080	348.990	348.460														
CUT/FILL (m)				0.50	0.03	-0.30	-0.34	-0.25	-0.13	0.84														

PEG DISTANCE 980,00m



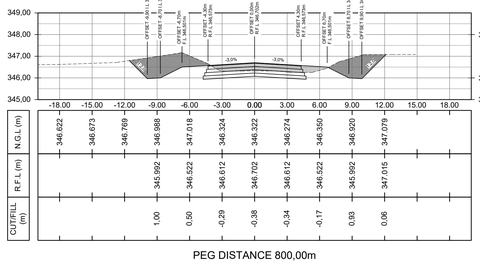
N.G.L (m)	350.234	350.228	350.303	350.436	350.388	350.187	350.225	350.262	350.415	350.775	350.536													
R.F.L (m)				349.795	350.325	350.415	350.505	350.415	350.325	349.795														
CUT/FILL (m)				0.64	0.06	-0.23	-0.28	-0.15	0.09	0.98														

PEG DISTANCE 1080,00m



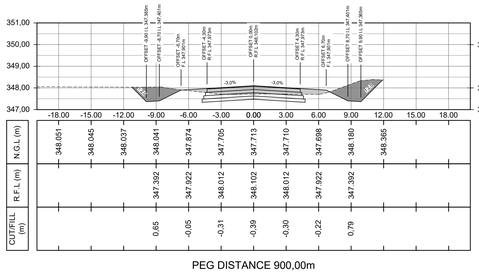
N.G.L (m)	351.638	351.755	351.962	352.196	352.312	351.897	351.772	351.839	352.345	352.481	352.499													
R.F.L (m)				351.387	351.917	352.007	352.097	352.007	351.917	351.387	352.410													
CUT/FILL (m)				0.81	0.40	-0.12	-0.32	-0.17	0.43	1.09	0.09													

PEG DISTANCE 1180,00m



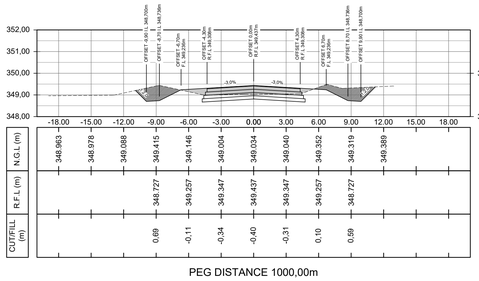
N.G.L (m)	347.585	347.605	347.674	347.744	347.581	347.137	347.107	347.095	347.215	347.700	347.878													
R.F.L (m)				346.858	347.388	347.478	347.568	347.478	347.388	346.858														
CUT/FILL (m)				0.89	0.19	-0.34	-0.46	-0.38	-0.17	0.84														

PEG DISTANCE 860,00m



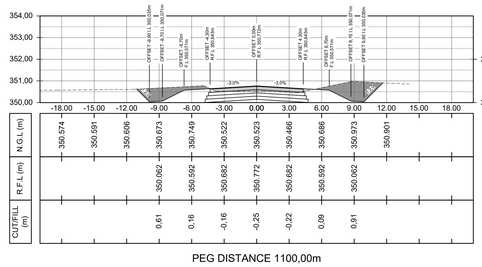
N.G.L (m)	348.781	348.746	348.871	348.982	348.892	348.547	348.580	348.596	349.055	349.081														
R.F.L (m)				348.193	348.723	348.813	348.903	348.813	348.723	348.193														
CUT/FILL (m)				0.79	0.17	-0.27	-0.32	-0.25	-0.17	0.86														

PEG DISTANCE 960,00m



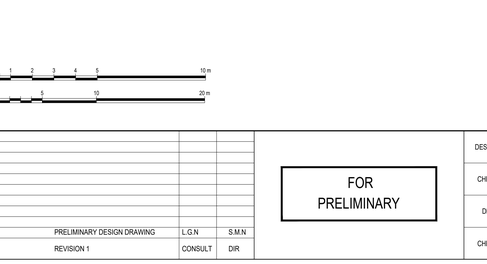
N.G.L (m)	349.914	349.934	350.012	350.150	350.077	348.897	349.920	349.985	350.143	350.460	350.411													
R.F.L (m)				349.528	350.058	350.148	350.238	350.148	350.058	349.528														
CUT/FILL (m)				0.62	0.02	-0.28	-0.32	-0.16	0.09	0.93														

PEG DISTANCE 1060,00m



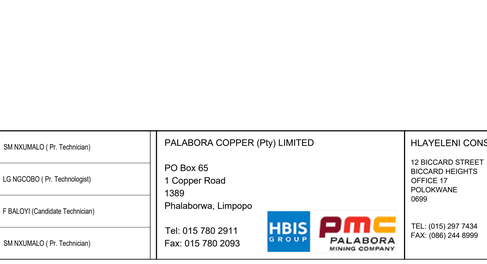
N.G.L (m)	351.042	351.069	351.288	351.529	351.732	351.574	351.536	351.483	351.749	352.089	352.275													
R.F.L (m)				350.977	351.507	351.597	351.687	351.597	351.507	350.977	352.000													
CUT/FILL (m)				0.55	0.22	-0.02	-0.15	-0.11	0.24	1.11	0.27													

PEG DISTANCE 1160,00m



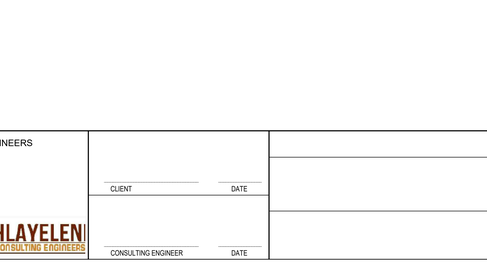
N.G.L (m)	347.127	347.251	347.205	347.484	347.351	346.833	346.845	346.761	346.958	347.382	347.596													
R.F.L (m)				346.584	347.114	347.204	347.294	347.204	347.114	346.584														
CUT/FILL (m)				0.90	0.24	-0.37	-0.45	-0.44	-0.16	0.80														

PEG DISTANCE 840,00m



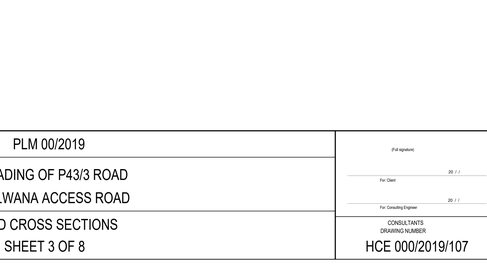
N.G.L (m)	348.596	348.556	348.642	348.718	348.652	348.332	348.388	348.288	348.394	348.778	348.789													
R.F.L (m)				347.926	348.456	348.546	348.636	348.546	348.456	347.926														
CUT/FILL (m)				0.79	0.20	-0.21	-0.25	-0.26	-0.06	0.85														

PEG DISTANCE 940,00m



N.G.L (m)	349.621	349.673	349.821	349.928	349.805	349.540	349.566	349.683	349.780	350.140	350.049													
R.F.L (m)				349.261	349.791	349.881	349.971	349.881	349.791	349.261														
CUT/FILL (m)				0.67	0.01	-0.34	-0.41	-0.20	-0.03	0.88														

PEG DISTANCE 1040,00m



N.G.L (m)	350.960	350.977	351.047	351.360	351.456	351.120	351.111	351.162	351.308	351.626	351.723													
R.F.L (m)				350.625	351.155	351.245	351.335	351.245	351.155	350.625	351.648													
CUT/FILL (m)				0.74	0.30	-0.13	-0.22	-0.08	0.15	1.00	0.08													

PEG DISTANCE 1140,00m

N.G.L (m)	346.981	347.028	347.112	347.245	347.061	346.584	346.658	346.589	346.808	347.202	347.404													
R.F.L (m)				346.295	346.825	346.915	347.005	346.915	346.825	346.295	347.318													
CUT/FILL (m)				0.95	0.24	-0.33	-0.35	-0.33	-0.02	0.97	0.09													

PEG DISTANCE 820,00m

N.G.L (m)	348.330	348.296	348.295	348.400	348.365	348.014	348.111	348.053	348.066	348.397	348.568													
R.F.L (m)				347.659	348.189	348.279	348.369	348.279	348.189	347.659														
CUT/FILL (m)				0.74	0.18	-0.27	-0.26	-0.20	-0.12	0.74														

PEG DISTANCE 920,00m

N.G.L (m)	349.433	349.440	349.498	349.531	349.606	349.209	349.360	349.396	349.599	349.678	349.741													
R.F.L (m)				348.994	349.524	349.614	349.704	349.614	349.524	348.994														
CUT/FILL (m)				0.54	0.08	-0.41	-0.34	-0.22	0.03	0.68														

PEG DISTANCE 1020,00m

N.G.L (m)	350.776	350.953	351.129	351.182	351.179	350.818	350.809	350.846	351.018	351.351	351.320													
R.F.L (m)				350.329	350.859	350.949	351.039	350.949	350.859	350.329														
CUT/FILL (m)				0.85	0.32	-0.13	-0.23	-0.10	0.16	1.02														

PEG DISTANCE 1120,00m

N.G.L (m)	346.622	346.673	346.769	346.988	347.018	346.324	346.322	346.274	346.350	346.920	347.079													
R.F.L (m)				345.992	346.522	346.612	346.702	346.612	346.522	345.992	347.015													
CUT/FILL (m)				1.00	0.50	-0.29	-0.38	-0.34	-0.17	0.93	0.06													

PEG DISTANCE 800,00m

N.G.L (m)	348.051	348.045	348.037	348.041	347.874	347.705	347.713	347.710	347.898	348.160	348.365													
R.F.L (m)				347.392	347.922	348.012	348.102	348.012	347.922	347.392														
CUT/FILL (m)				0.65	-0.05	-0.31	-0.39	-0.30	-0.22	0.79														

PEG DISTANCE 900,00m

N.G.L (m)	348.963	348.978	349.088	349.415	349.146	349.004	349.034	349.040	349.352	349.319	349.388													
R.F.L (m)				348.727	349.257	349.347	349.437	349.347	349.257	348.727														
CUT/FILL (m)				0.69	-0.11	-0.34	-0.40	-0.31	0.10	0.59														

PEG DISTANCE 1000,00m

N.G.L (m)	350.574	350.591	350.606	350.673	350.749	350.522	350.523	350.466	350.686	350.973	350.901													
R.F.L (m)				350.062	350.592	350.682	350.772	350.682	350.592	350.062														
CUT/FILL (m)				0.61	0.16	-0.16	-0.25	-0.22	0.09	0.91														

PEG DISTANCE 1100,00m

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

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FAX: (086) 244 8999

CLIENT DATE

CONSULTING ENGINEER DATE

PLM 00/2019

UPGRADING OF P43/3 ROAD
Ga-SELWANA ACCESS ROAD

ROAD CROSS SECTIONS
SHEET 3 OF 8

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

CONSULTANTS DRAWING NUMBER
HCE 000/2019/107

SHEET 12 OF 37

A0 SCALE
AS SHOWN

CLIENT DRAWING NUMBER
PLM 000/2019/107