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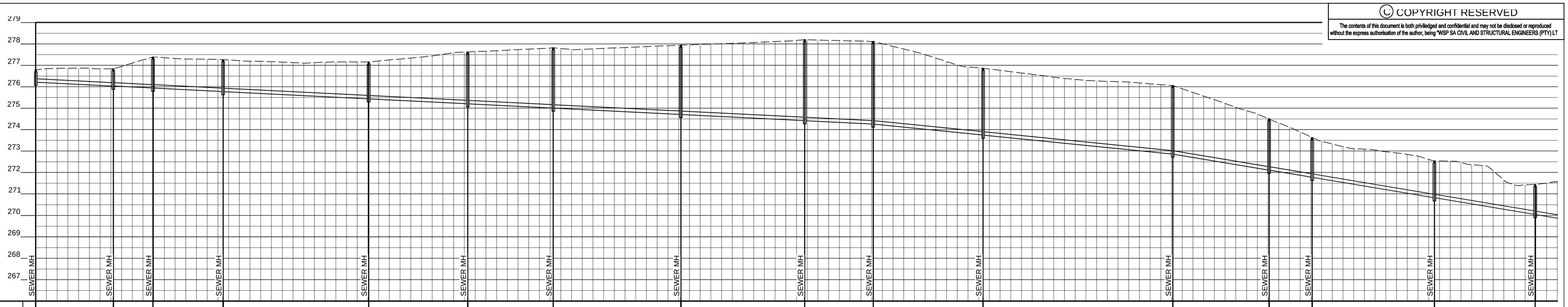
NETWORK 1

LS-BRANCH 8

HORIZONTAL SCALE 1:1000
VERTICAL SCALE 1:100

FINAL SURFACE
EXISTING GROUND

DATUM 266.000



STRUCTURE NAME	MH1	MH2	MH3	MH4	MH5	MH6	MH7	MH8	MH9	MH10	MH11	MH12	MH13	MH14	MH15	MH16
INVERT LEVELS	276.214	276.033	276.033	275.941	275.941	275.777	275.777	275.438	275.438	275.207	275.207	275.007	275.007	274.709	274.709	274.420
	274.420	274.261	274.261	273.748	273.748	272.863	272.863	272.113	272.113	271.778	271.778	270.827	270.827	270.044	270.044	
COVER TO PIPE	0.416	0.639	0.639	1.282	1.282	1.323	1.323	1.558	1.558	2.257	2.257	2.646	2.646	3.071	3.071	3.613
	3.613	3.694	3.694	2.954	2.954	3.029	3.029	2.230	2.230	1.689	1.689	1.556	1.556	1.239	1.239	
GROUND LEVEL	276.793	276.835	277.387	277.263	277.159	277.627	277.816	277.943	278.196	278.117	276.865	276.054	274.507	273.630	272.546	271.446
CHAINAGE (m)	0.000	36.179	54.686	87.403	155.327	201.531	241.485	301.035	358.834	390.761	442.061	530.549	575.512	595.606	652.645	699.652
PIPE DATA		36.179m 1:200.00 0.500%	18.508m 1:200.00 0.500%	32.717m 1:200.00 0.500%	67.925m 1:200.00 0.500%	46.205m 1:200.00 0.500%	39.954m 1:200.00 0.500%	59.551m 1:200.00 0.500%	57.800m 1:200.00 0.500%	31.927m 1:200.00 0.500%	51.300m 1:100.00 1.000%	88.489m 1:100.00 1.000%	44.964m 1:59.99 1.667%	20.094m 1:59.99 1.667%	57.040m 1:59.99 1.667%	47.008m 1:59.99 1.667%
PIPE DETAILS		P1: 160 Ø uPVC CL34 CLASS 'B' BEDDING	P2: 160 Ø uPVC CL34 CLASS 'B' BEDDING	P3: 160 Ø uPVC CL34 CLASS 'B' BEDDING	P4: 160 Ø uPVC CL34 CLASS 'B' BEDDING	P5: 160 Ø uPVC CL34 CLASS 'B' BEDDING	P6: 160 Ø uPVC CL34 CLASS 'B' BEDDING	P7: 160 Ø uPVC CL34 CLASS 'B' BEDDING	P8: 160 Ø uPVC CL34 CLASS 'B' BEDDING	P9: 160 Ø uPVC CL34 CLASS 'B' BEDDING	P10: 160 Ø uPVC CL34 CLASS 'B' BEDDING	P11: 160 Ø uPVC CL34 CLASS 'B' BEDDING	1.667: 160 Ø uPVC CL34 CLASS 'B' BEDDING	P13: 160 Ø uPVC CL34 CLASS 'B' BEDDING	P14: 160 Ø uPVC CL34 CLASS 'B' BEDDING	P15: 160 Ø uPVC CL34 CLASS 'B' BEDDING
HYDRAULICS	DESIGN: Q (l/s) V (m/s)															
	MAX: Q (l/s) V (m/s)															

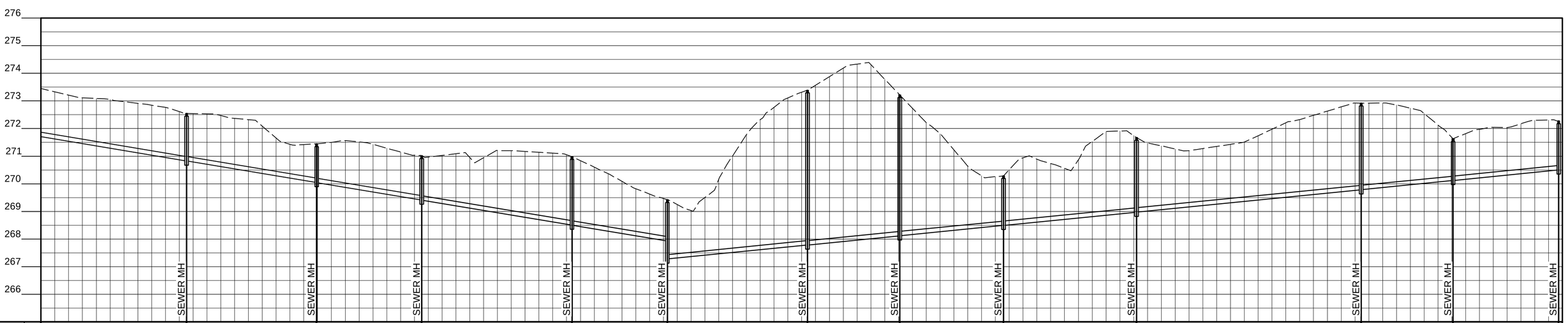
NETWORK 1

LS-BRANCH 8

HORIZONTAL SCALE 1:1000
VERTICAL SCALE 1:100

FINAL SURFACE
EXISTING GROUND

DATUM 265.000



STRUCTURE NAME	MH15	MH16	MH17	MH18	MH19	MH22	MH23	MH24	MH25	MH26	MH27	MH28
INVERT LEVELS	271.778	270.827	270.827	270.044	270.044	269.410	269.410	268.505	268.505	267.930	267.278	267.785
	267.785	268.118	268.118	268.493	268.493	268.974	268.974	269.786	269.786	270.118	270.118	270.500
COVER TO PIPE	1.689	1.556	1.556	1.239	1.239	1.442	1.442	2.310	2.310	1.329	1.982	5.439
	5.439	4.937	4.937	1.632	1.632	2.538	2.538	2.969	2.969	1.351	1.351	1.608
GROUND LEVEL		272.546	271.446	271.016	270.978	269.423	273.387	273.218	270.288	271.675	272.918	271.632
CHAINAGE (m)		652.645	699.652	737.651	791.957	826.433	877.089	910.445	947.953	996.035	1077.223	1110.455
PIPE DATA		57.040m 1:59.99 1.667%	47.008m 1:59.99 1.667%	38.000m 1:59.99 1.667%	54.306m 1:59.99 1.667%	34.477m 1:59.99 1.667%	50.656m -1:100.00 -1.000%	33.356m -1:100.00 -1.000%	37.509m -1:100.00 -1.000%	48.082m -1:100.00 -1.000%	81.188m -1:100.00 -1.000%	33.233m -1:100.00 -1.000%	38.177m -1:100.00 -1.000%
PIPE DETAILS		P14: 160 Ø uPVC CL34 CLASS 'B' BEDDING	P15: 160 Ø uPVC CL34 CLASS 'B' BEDDING	P16: 160 Ø uPVC CL34 CLASS 'B' BEDDING	P17: 160 Ø uPVC CL34 CLASS 'B' BEDDING	P18: 160 Ø uPVC CL34 CLASS 'B' BEDDING	P19: 160 Ø uPVC CL34 CLASS 'B' BEDDING	P22: 160 Ø uPVC CL34 CLASS 'B' BEDDING	P23: 160 Ø uPVC CL34 CLASS 'B' BEDDING	P24: 160 Ø uPVC CL34 CLASS 'B' BEDDING	P25: 160 Ø uPVC CL34 CLASS 'B' BEDDING	P26: 160 Ø uPVC CL34 CLASS 'B' BEDDING	P27: 160 Ø uPVC CL34 CLASS 'B' BEDDING
	DESIGN: Q (l/s)												

REV	DATE	BY	DESCRIPTION	CHK	API
A	11/07/2011	PR	ISSUED FOR INFORMATION	PSR	PSI

DRAWING STATUS: FOR INFORMATION

WSP
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Tel (013) 752-2457, Fax (013) 752-2189

CLIENT: MALELANE SAFARI RESORT INVESTMENTS

ARCHITECT: CRONJE ASSOCIATED ARCHITECTS CC

PROJECT: RADISSON BLU SAFARI RESORT KRUGER PARK

TITLE: WASTEWATER LONGSECTION MH 1 TO MH 27

SCALE :	CHECKED:	APPROVED:
1:1000	PSR	-
DESIGN:	DRAWN:	DATE:
TM	TM	2011-07-12
PROJECT No:	DRAWING No:	REV:
335470	335470/C/2002	A

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