



FIRE PROTECTION INVERT LEVELS							
NODE FROM	NODE TO	MH No.	LENGTH (m)	T.L (m)	I.L (m)	DEPTH (m)	MANHOLE COVER
FP1	FP2	FP1	16.500	1687.832	1686.832	1.000	L.D.
FP2	FP3	FP2	6.000	1687.597	1686.597	1.000	L.D.
FP3	FP4	FP3	18.500	1685.560	1684.660	0.900	H.D.
FP4	FP5	FP4	65.450	1685.290	1684.290	1.000	H.D.
FP5	FP6	FP5	58.780	1685.290	1683.250	2.050	H.D.
FP6	OIL DAM	FP6	10.000	1684.460	1682.950	1.510	L.D.

OUTLET INVERT LEVELS					
NODE FROM	NODE TO	OUTLET NO.	LENGHT (m)	I.L (m)	G.L (m)
MH7	OUTLET 1	OUTLET 1	9.400	1683.223	1684.040
MH14	OUTLET 2	OUTLET 2	27.400	1683.133	1682.956
MH21	OUTLET 3	OUTLET 3	9.400	1683.223	1683.018

STORMWATER INVERT LEVELS							
NODE FROM	NODE TO	MH No.	LENGHT (m)	T.I. (m)	I.L (m)	DEPTH (m)	MANHOLE COVER
MH2	MH3	MH2	16.100	1687.820	1686.620	1.200	L.D.
MH3	MH4	MH3	4.000	1687.590	1686.390	1.200	L.D.
MH4	MH5	MH4	14.550	1685.550	1684.350	1.200	H.D.
MH5	MH6	MH5	26.800	1685.340	1684.140	1.200	H.D.
MH6	MH7	MH6	33.360	1684.950	1683.750	1.200	H.D.
MH7	OUTLET 1	MH7	32.300	1684.470	1683.270	1.200	L.D.
MH9	MH10	MH9	11.750	1687.820	1686.620	1.200	H.D.
MH10	MH11	MH10	18.000	1687.630	1686.430	1.200	H.D.
MH11	MH12	MH11	3.500	1687.360	1686.160	1.200	L.D.
MH12	MH13	MH12	26.800	1685.340	1684.140	1.200	H.D.
MH13	MH14	MH13	33.360	1684.950	1683.750	1.200	H.D.
MH14	OUTLET 2	MH14	32.300	1684.470	1683.270 1682.170	1.200 2.300	L.D.
MH16	MH17	MH16	16.100	1687.820	1686.620	1.200	L.D.
MH17	MH18	MH17	4.000	1687.590	1686.390	1.200	L.D.
MH18	MH19	MH18	14.550	1685.550	1684.350	1.200	H.D.
MH19	MH20	MH19	26.800	1685.340	1684.140	1.200	H.D.
MH20	MH21	MH20	33.360	1684.950	1683.750	1.200	H.D.
MH21	OUTLET 3	MH21	32.300	1684.470	1683.270	1.200	L.D.
MH22	MH23	MH22	39110	1692.675	1691.675	1000	LD
MH23	MH24	MH23	29800	1692.415	1690.915	1200	HD
MH24	MH25	MH24	41450	1691.690	1690.490	1200	HD
MH25	MH26	MH25	14840	1691.140	1689.940	1200	HD
MH26	MH27	MH26	4150	1690.880	1689.680	1200	LD
MH27	MH28	MH27	39350	1688.380	1687.180	1200	HD
MH28	MH29	MH28	39110	1692.675	1691.675	1000	LD
MH29	MH30	MH29	29800	1692.415	1690.915	1200	HD
MH30	MH31	MH30	41450	1691.690	1690.490	1200	HD
MH31	MH32	MH31	14840	1691.140	1689.940	1200	HD
MH32	MH33	MH32	4150	1690.880	1689.680	1200	LD
MH33	MH34	MH33	6500	1688.380	1687.180	1200	HD
MH34	MH35	MH34	12870	1688.280	1687.080	1200	HD
MH35	MH36	MH35	25570	1686.185	1686.985	1200	HD
MH36	MH37	MH36	39110	1692.675	1691.675	1000	LD
MH37	MH38	MH37	29800	1692.415	1690.915	1200	HD
MH38	MH39	MH38	41450	1691.690	1690.490	1200	HD
MH39	MH40	MH39	14840	1691.140	1689.940	1200	HD
MH40	MH41	MH40	4150	1690.880	1689.680	1200	HD
MH41	MH16	MH41	39350	1688.380	1687.180	1200	HD

	RAMP AND GRID AT OIL DAM CHANGED	DRN		DRN	0-9-70(2)	
REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE	REFERENCE DRAWINGS
APPROVED BY						
DWG NO.	ESKOM HOLDINGS LIMITED REG. NO. 2002/015527/06					
DATE	20/06/2009					
CHECKED BY						
DRAWN BY						
SHEET NO.	GUMENI DRAINAGE LAUYOT					
SCALE	1 : 500					
DATE	20/06/2009					
SHEET NUMBER	08/19498					
REVISION	1 1					