

PIT / NODE DETAILS			Version 9										
Name	Type	Family	Size	Ponding Volume (cu.m)	Pressure Change Coeff. Ku	Surface Elev (m)	Max Pond Depth (m)	Base Inflow (cu.m/s)	Blocking Factor	x	y	Bolt-down id lid	Part Full Shock Loss
B\1	OnGrade	GRATED Kf 1.8m LINTEL			5.9	70.17			0	0.2	297948.3	6255045 No	2.65E+08 1 x Ku
B\2	OnGrade	GRATED Kf 1.8m LINTEL			5.9	70.017			0	0.2	297955.8	6255062 No	2.65E+08 1 x Ku
B\3	OnGrade	GRATED Kf 1.8m LINTEL			2.1	69.101			0	0.2	298011.2	6255070 No	2.65E+08 1 x Ku
B\4	OnGrade	GRATED Kf 1.8m LINTEL			1.6	66.874			0	0.2	298068.5	6255079 No	2.65E+08 1 x Ku
B\5	OnGrade	GRATED Kf 1.8m LINTEL			0.6	65.523			0	0.2	298097.9	6255084 No	2.65E+08 1 x Ku
B\6	OnGrade	GRATED Kf 1.8m LINTEL			1.6	64.581			0	0.2	298118	6255090 No	2.65E+08 1 x Ku
B\7	OnGrade	GRATED Kf 1.8m LINTEL			0.3	64.062			0	0.2	298136.2	6255101 No	2.65E+08 1 x Ku
B\8	OnGrade	GRATED Kf 1.8m LINTEL			0.4	63.828			0	0.2	298153.6	6255116 No	2.65E+08 1 x Ku
B\9	OnGrade	GRATED Kf 1.8m LINTEL			0	63.347			0	0.2	298193	6255149 No	2.65E+08 1 x Ku
A\8	Sag	GRATED Kf 2.4m LINTEL		30	2.2	63.077	0.2		0	0.5	298227.6	6255167 No	2.65E+08 1 x Ku
A\9	OnGrade	JUNCTION 1.2 x 1.2 GRATED SUR			0.2	63.223			0	0.2	298225.5	6255174 No	2.65E+08 1 x Ku
CREEK	Node					57			0		298173.4	6255192	2.66E+08
C\1	OnGrade	GRATED Kf 1.8m LINTEL			5.9	66.785			0	0.2	298463.7	6255189 No	2.65E+08 1 x Ku
A\3	OnGrade	GRATED Kf 1.8m LINTEL			0.5	66.672			0	0.2	298453.9	6255203 No	2.65E+08 1 x Ku
A\4	OnGrade	GRATED Kf 1.8m LINTEL			0.5	65.937			0	0.2	298410.4	6255196 No	2.65E+08 1 x Ku
A\5	OnGrade	GRATED Kf 1.8m LINTEL			0.5	65.147			0	0.2	298363	6255189 No	2.65E+08 1 x Ku
A\6	OnGrade	GRATED Kf 1.8m LINTEL			0.5	64.378			0	0.2	298316.8	6255182 No	2.65E+08 1 x Ku
A\7	OnGrade	GRATED Kf 1.8m LINTEL			1	63.564			0	0.2	298271	6255175 No	2.65E+08 1 x Ku
D\1	OnGrade	GRATED Kf 1.8m LINTEL			5.9	66.052			0	0.2	298419.7	6255182 No	2.65E+08 1 x Ku
E\1	OnGrade	GRATED Kf 1.8m LINTEL			5.9	65.262			0	0.2	298372.2	6255175 No	2.65E+08 1 x Ku
F\1	OnGrade	GRATED Kf 1.8m LINTEL			5.9	64.488			0	0.2	298325.7	6255168 No	2.65E+08 1 x Ku
H\1	Sag	GRATED Kf 2.4m LINTEL		30	5.9	63.059	0.2		0	0.5	298232	6255152 No	2.65E+08 1 x Ku
J\1	OnGrade	GRATED Kf 1.8m LINTEL			5.9	63.439			0	0.2	298197.1	6255132 No	2.65E+08 1 x Ku
K\1	OnGrade	GRATED Kf 1.8m LINTEL			4.8	63.94			0	0.2	298156.7	6255098 No	2.65E+08 1 x Ku
M\1	OnGrade	GRATED Kf 1.8m LINTEL			5.9	67.234			0	0.2	298063	6255063 No	2.65E+08 1 x Ku
N\1	OnGrade	GRATED Kf 1.8m LINTEL			5.9	69.272			0	0.2	298005.6	6255054 No	2.65E+08 1 x Ku
N exist	Node					62			0		298165.2	6255233	2.66E+08
S1 A\1	OnGrade	GRATED Kf 1.8m LINTEL			5.9	75.917			0	0.2	298770	6255149 No	2.66E+08 1 x Ku
S1 A\2	OnGrade	GRATED Kf 1.8m LINTEL			0.8	75.794			0	0.2	298764.4	6255180 No	2.66E+08 1 x Ku
S1 A\3	OnGrade	GRATED Kf 1.8m LINTEL			1.8	74.87			0	0.2	298748.7	6255191 No	2.66E+08 1 x Ku
S1 A\4	OnGrade	GRATED Kf 1.8m LINTEL			1.9	73.192			0	0.2	298714.3	6255195 No	2.66E+08 1 x Ku
S1 A\5	OnGrade	GRATED Kf 1.8m LINTEL			2.2	70.718			0	0.2	298673.5	6255200 No	2.66E+08 1 x Ku
S1 A\6	OnGrade	GRATED Kf 1.8m LINTEL			1.5	69.48			0	0.2	298624.7	6255205 No	2.66E+08 1 x Ku
S1 A\7	OnGrade	GRATED Kf 1.8m LINTEL			0.5	69.226			0	0.2	298605.1	6255207 No	2.66E+08 1 x Ku
S1 A\8	OnGrade	GRATED Kf 1.8m LINTEL			0	68.846			0	0.2	298585.9	6255207 No	2.66E+08 1 x Ku
S1 A\9	OnGrade	GRATED Kf 1.8m LINTEL			0.5	68.474			0	0.2	298561.7	6255204 No	2.66E+08 1 x Ku
S1 A\10	OnGrade	GRATED Kf 1.8m LINTEL			0.3	68.187			0	0.2	298547.6	6255202 No	2.66E+08 1 x Ku
S1 A\11	OnGrade	GRATED Kf 1.8m LINTEL			1.8	67.984			0	0.2	298534.8	6255201 No	2.66E+08 1 x Ku
A\1	OnGrade	GRATED Kf 1.8m LINTEL			1.5	67.451			0	0.2	298503.7	6255195 No	2.65E+08 1 x Ku
A\2	OnGrade	GRATED Kf 1.8m LINTEL			1.5	67.323			0	0.2	298492.4	6255209 No	2.65E+08 1 x Ku
S1 B\1	OnGrade	GRATED Kf 1.8m LINTEL			5.9	70.743			0	0.2	298677	6255214 No	2.66E+08 1 x Ku
S1 C\1	OnGrade	GRATED Kf 1.8m LINTEL			5.9	69.244			0	0.2	298606.2	6255220 No	2.66E+08 1 x Ku
S1 D\1	OnGrade	GRATED Kf 1.8m LINTEL			5.9	68.474			0	0.2	298560	6255218 No	2.66E+08 1 x Ku
G\1	Node					64.06			0		298296.2	6255148	2.8E+08
LOT 1C	Node					64.5			0		298275.8	6255198	3.82E+08
Lot 4 ex	Node					65.452			0		298109.6	6255062	1.21E+09
Nout	Node					56.99			0		298132.3	6255196	1.31E+09
2B	OnGrade	JUNCTION 1.2 x 1.2 GRATED SUR			0.5	63.8		0.806	0.2	298283.9	6255157 No	1.35E+09 1 x Ku	
G\2	OnGrade	GRATED Kf 1.8m LINTEL			0.3	63.691			0	0.2	298280.9	6255161 No	2.65E+08 1 x Ku
Lot4	OnGrade	JUNCTION 1.2 x 1.2 GRATED SUR			0.5	65		0.263	0.2	298115.6	6255068 No	1.36E+09 1 x Ku	
L\2	OnGrade	GRATED Kf 1.8m LINTEL			0.3	64.904			0	0.2	298116	6255073 No	2.65E+08 1 x Ku
Lot 1C 1B	OnGrade	JUNCTION 1.2 x 1.2 GRATED SUR			0.5	63.5		1.475	0.2	298252.1	6255198 No	1.42E+09 1 x Ku	

[illegible]

SUB-CATCHMENT DETAILS

Name	Pit or Node	Total Area (ha)	Paved Area %	Grass Area %	Supp Area %	Paved Time (min)	Grass Time (min)	Supp Time (min)	Paved Length (m)	Grass Length (m)	Supp Length (m)	Paved Slope(%)	Grass Slope %	Supp Slope %
C B\1	B\1	0.0335	90	10	0	0	1	5	0					
C B\2	B\2	0.0447	90	10	0	0	1	5	0					
C B\3	B\3	0.0676	90	10	0	0	1	5	0					
C B\4	B\4	0.0664	90	10	0	0	1	5	0					
C B\5	B\5	0.0364	90	10	0	0	1	5	0					
C B\6	B\6	0.0284	90	10	0	0	1	5	0					
C B\7	B\7	0.026	90	10	0	0	1	5	0					
C B\8	B\8	0.028	90	10	0	0	1	5	0					
C B\9	B\9	0.0584	90	10	0	0	1	5	0					
C A\8	A\8	0.1042	90	10	0	0	1	5	0					
C C\1	C\1	0.0485	90	10	0	0	1	5	0					
C A\3	A\3	0.0461	90	10	0	0	1	5	0					
C A\4	A\4	0.0528	90	10	0	0	1	5	0					
C A\5	A\5	0.0577	90	10	0	0	1	5	0					
C A\6	A\6	0.0564	90	10	0	0	1	5	0					
C A\7	A\7	0.0589	90	10	0	0	1	5	0					
C D\1	D\1	0.0526	90	10	0	0	1	5	0					
C E\1	E\1	0.0589	90	10	0	0	1	5	0					
C F\1	F\1	0.0559	90	10	0	0	1	5	0					
C H\1	H\1	0.1153	90	10	0	0	1	5	0					
C J\1	J\1	0.0577	90	10	0	0	1	5	0					
C K\1	K\1	0.0592	90	10	0	0	1	5	0					
C M\1	M\1	0.0662	90	10	0	0	1	5	0					
C N\1	N\1	0.0697	90	10	0	0	1	5	0					
C exist	N exist	26.732	0	100	0	0	0	25	0					
S1 C A\1	S1 A\1	0.0373	90	10	0	0	1	5	0					
S1 C A\3	S1 A\3	0.0189	90	10	0	0	1	5	0					
S1 C A\4	S1 A\4	0.0452	90	10	0	0	1	5	0					
S1 C A\5	S1 A\5	0.074	90	10	0	0	1	5	0					
S1 C A\7	S1 A\7	0.0708	90	10	0	0	1	5	0					
S1 C A\8	S1 A\8	0.0272	90	10	0	0	1	5	0					
S1 C A\9	S1 A\9	0.0272	90	10	0	0	1	5	0					
S1 C A\10	S1 A\10	0.0349	90	10	0	0	1	5	0					
C A\1	A\1	0.0398	90	10	0	0	1	5	0					
C A\2	A\2	0.086	90	10	0	0	1	5	0					
S1 C B\1	S1 B\1	0.1217	90	10	0	0	2	5	0					
S1 C C\1	S1 C\1	0.0712	90	10	0	0	1	5	0					
S1 C D\1	S1 D\1	0.0584	90	10	0	0	1	5	0					
C G\1	G\1	5.7554	0	100	0	10	15	0						
C LOT 2A1	BASIN 2A2	4.7055	80	20	0	10	15	0						
S1 C LOT 2	BASIN 2A1	2.5052	80	20	0	5	10	0						
Lot 1C and	LOT 1C	10.532	0	100	0	5	15	0						
Lot 4	Lot 4 ex	1.8813	0	100	0	5	10	0						
C G\2	G\2	0.0585	90	10	0	0	1	5	0					
C L\2	L\2	0.0661	90	10	0	0	1	5	0					

PIPE DETAILS

Name	From	To	Length (m)	U/S IL (m)	D/S IL (m)	Slope (%)	Type	Dia (mm)	I.D. (mm)	Rough	Pipe Is	No. Pipes	Chg From	At Chg
P B\1	B\1	B\2	18.446	68.795	68.61		1 RCP CLASS	375	375		0.3 New		1 B\1	0
P B\2	B\2	B\3	56	68.58	67.726		1.53 RCP CLASS	375	375		0.3 New		1 B\2	0
P B\3	B\3	B\4	58.001	67.64	65.412		3.84 RCP CLASS	450	450		0.3 New		1 B\3	0
P B\4	B\4	B\5	29.677	65.382	64.127		4.23 RCP CLASS	450	450		0.3 New		1 B\4	0
P B\5	B\5	B\6	21.095	64.052	63.208		4 RCP CLASS	450	450		0.3 New		1 B\5	0
P B\6	B\6	B\7	21.246	62.929	62.599		1.55 RCP CLASS	600	600		0.3 New		1 B\6	0
P B\7	B\7	B\8	22.69	62.569	62.342		1 RCP CLASS	600	600		0.3 New		1 B\7	0
P B\8	B\8	B\9	48.098	62.312	61.831		1 RCP CLASS	600	600		0.3 New		1 B\8	0
P B\9	B\9	A\8	38.317	61.231	60.848		1 RCP CLASS	825	825		0.3 New		1 B\9	0
P A\8	A\8	A\9	7.746	60.551	60.474		0.99 RCP CLASS	1350	1370		0.3 New		2 A\8	0
P A\9	A\9	BASIN	11.897	60.444	60.325		1 RCP CLASS	1200	1200		0.3 NewFixed		1 A\9	0
OUTLET	BASIN	CREEK	48.3	58.322	58.08		0.5 RCP CLASS	1350	1370		0.3 NewFixed		1 BASIN	0
P C\1	C\1	A\3	17.255	65.41	65.237		1 RCP CLASS	375	375		0.3 New		1 C\1	0
P A\3	A\3	A\4	43.95	64.441	63.765		1.54 RCP CLASS	1050	1070		0.3 New		1 A\3	0
P A\4	A\4	A\5	48	63.735	62.997		1.54 RCP CLASS	1050	1070		0.3 New		1 A\4	0
P A\5	A\5	A\6	46.692	62.967	62.248		1.54 RCP CLASS	1050	1070		0.3 New		1 A\5	0
P A\6	A\6	A\7	49.479	62.218	61.457		1.54 RCP CLASS	1050	1070		0.3 New		1 A\6	0
P A\7	A\7	A\8	45.328	61.12	60.581		1.19 RCP CLASS	1350	1370		0.3 New		1 A\7	0
P D\1	D\1	A\4	17.007	64.677	64.507		1 RCP CLASS	375	375		0.3 New		1 D\1	0
P E\1	E\1	A\5	17.007	63.887	63.717		1 RCP CLASS	375	375		0.3 New		1 E\1	0
P F\1	F\1	A\6	16.882	63.113	62.944		1 RCP CLASS	375	375		0.3 New		1 F\1	0
P H\1	H\1	A\8	15.5	61.648	61.493		1 RCP CLASS	450	450		0.3 New		1 H\1	0
P J\1	J\1	B\9	18.018	62.096	61.916		1 RCP CLASS	375	375		0.3 New		1 J\1	0
P K\1	K\1	B\8	17.968	62.576	62.396		1 RCP CLASS	375	375		0.3 New		1 K\1	0
P M\1	M\1	B\4	17.444	65.858	65.498		2.06 RCP CLASS	375	375		0.3 New		1 M\1	0
P N\1	N\1	B\3	17.443	67.897	67.722		1 RCP CLASS	375	375		0.3 New		1 N\1	0
S1 P A\1	S1 A\1	S1 A\2	14.37	74.032	73.888		1 RCP CLASS	375	375		0.3 Existing		1 S1 A\1	0
S1 P A\2	S1 A\2	S1 A\3	13.473	73.888	73.353		3.97 RCP CLASS	375	375		0.3 Existing		1 S1 A\2	0
S1 P A\3	S1 A\3	S1 A\4	36.713	73.298	71.663		4.45 RCP CLASS	450	450		0.3 Existing		1 S1 A\3	0
S1 P A\4	S1 A\4	S1 A\5	58.661	71.527	69.091		4.15 RCP CLASS	450	450		0.3 Existing		1 S1 A\4	0
S1 P A\5	S1 A\5	S1 A\6	43.799	69.057	67.873		2.7 RCP CLASS	450	450		0.3 Existing		1 S1 A\5	0
S1 P A\6	S1 A\6	S1 A\7	12.572	67.505	67.38		0.99 RCP CLASS	900	900		0.3 Existing		1 S1 A\6	0
S1 P A\7	S1 A\7	S1 A\8	21.834	67.36	66.996		1.67 RCP CLASS	900	900		0.3 Existing		1 S1 A\7	0
S1 P A\8	S1 A\8	S1 A\9	21.834	66.828	66.445		1.75 RCP CLASS	1050	1070		0.3 Existing		1 S1 A\8	0
S1 P A\9	S1 A\9	S1 A\10	17.461	66.316	66.045		1.55 RCP CLASS	1050	1070		0.3 Existing		1 S1 A\9	0
S1 P A\10	S1 A\10	S1 A\11	12.374	66.025	65.842		1.48 RCP CLASS	1050	1070		0.3 Existing		1 S1 A\10	0
S1 P A\11	S1 A\11	A\1	32.432	65.822	65.498		1 RCP CLASS	1050	1070		0.3 Existing		1 S1 A\11	0
P A\1	A\1	A\2	17.992	65.28	65.1		1 RCP CLASS	1050	1070		0.3 New		1 A\1	0
P A\2	A\2	A\3	38.911	65.07	64.471		1.54 RCP CLASS	1050	1070		0.3 New		1 A\2	0
S1 P B\1	S1 B\1	S1 A\5	15.516	69.233	69.077		1.01 RCP CLASS	375	375		0.3 Existing		1 S1 B\1	0
S1 P C\1	S1 C\1	S1 A\7	15.522	67.731	67.576		1 RCP CLASS	375	375		0.3 Existing		1 S1 C\1	0
S1 P D\1	S1 D\1	S1 A\9	15.5	66.964	66.809		1 RCP CLASS	375	375		0.3 Existing		1 S1 D\1	0
P LOT 2A2	BASIN 2A2	S1 A\6	40	67.973	67.61		0.91 RCP CLASS	750	750		0.3 Existing		1 BASIN 2A2	0
P LOT 2A1	BASIN 2A1	S1 A\11	35	67.07	66.72		1 RCP CLASS	675	675		0.3 Existing		1 BASIN 2A1	0
P G\1	2B	G\2	4.766	62.175	62.127		1.01 RCP CLASS	900	900		0.3 NewFixed		1 2B	0
P G\2	G\2	A\7	17.326	61.948	61.775		1 RCP CLASS	900	900		0.3 New		1 G\2	0
P L\1	Lot4	L\2	4.854	63.445	63.397		0.99 RCP CLASS	600	600		0.3 NewFixed		1 Lot4	0
P L\2	L\2	B\6	17.58	63.274	63.099		1 RCP CLASS	600	600		0.3 New		1 L\2	0
P LOT 1C2	Lot 1C 1B	BASIN	30	60.8	60.5		1 RCP CLASS	900	900		0.3 NewFixed		1 Lot 1C 1B	0

DETAILS of SERVICES CROSSING PIPES

Pipe	Chg (m)	Bottom Elev (m)	Height of S Chg (m)	Bottom Elev (m)	Height of S Chg (m)	Bottom Elev (m)	Height of S etc (m)	etc
------	------------	--------------------	------------------------	--------------------	------------------------	--------------------	------------------------	-----

CHANNEL DETAILS

Name	From	To	Type	Length (m)	U/S IL (m)	D/S IL (m)	Slope (%)	Base Width (m)	L.B. Slope (1:?)	R.B. Slope (1:?)	Manning n	Depth (m)	Roofed
------	------	----	------	---------------	---------------	---------------	--------------	-------------------	---------------------	---------------------	--------------	--------------	--------

OVERFLOW ROUTE DETAILS

Name	From	To	Travel Time (min)	Spill Level (m)	Crest Length (m)	Weir Coeff. C	Cross Section	Safe Depth Major Stor (m)	SafeDepth Minor Stor (m)	Safe DxV (sq.m/sec)	Bed Slope (%)	D/S Area Contributing %	id
F B\1	B\1	N\1	0.4				8 m wide n	0.16	0.14	0.4	1.55	0	2.65E+08
F B\2	B\2	B\3	0.4				8 m wide n	0.16	0.14	0.4	1.64	0	2.65E+08
F B\3	B\3	B\4	0.4				8 m wide n	0.16	0.14	0.4	3.84	0	2.65E+08
F B\4	B\4	B\5	0.2				8 m wide n	0.16	0.14	0.4	4.37	0	2.65E+08
F B\5	B\5	B\6	0.2				8 m wide n	0.16	0.14	0.4	2.96	0	2.65E+08
F B\6	B\6	B\7	0.2				8 m wide n	0.3	0.15	0.4	1.66	0	2.65E+08
F B\7	B\7	B\8	0.2				8 m wide n	0.16	0.14	0.4	1.53	0	2.65E+08
F B\8	B\8	B\9	0.4				8 m wide n	0.16	0.14	0.4	1.46	0	2.65E+08
F B\9	B\9	A\8	0.4				8 m wide n	0.16	0.14	0.4	1.05	50	2.65E+08
F A\8	A\8	A\9	1				Pathway 4	0.3	0.15	0.4	-2.4	0	2.65E+08
F A\10	A\9	BASIN	1				Pathway 4	0.3	0.15	0.4	-2.4	0	2.65E+08
OF Basin	BASIN	CREEK	0.1	60.8	20	1.6	Weir Basin	0.3	0.3	0.6	1	100	2.66E+08
Fout	CREEK	Nout	0.1				Dummy us	0.2	0.05	0.6	0.5	0	1.31E+09
F C\1	C\1	D\1	0.4				8 m wide n	0.3	0.15	0.4	1.65	0	2.65E+08
F A\3	A\3	A\4	0.4				8 m wide n	0.16	0.14	0.4	1.67	0	2.65E+08
F A\4	A\4	A\5	0.4				8 m wide n	0.16	0.14	0.4	1.65	0	2.65E+08
F A\5	A\5	A\6	0.4				8 m wide n	0.16	0.14	0.4	1.65	0	2.65E+08
F A\6	A\6	A\7	0.4				8 m wide n	0.16	0.14	0.4	1.65	0	2.65E+08
F A\7	A\7	A\8	0.4				8 m wide n	0.16	0.14	0.4	1.21	50	2.65E+08
F D\1	D\1	E\1	0.4				8 m wide n	0.16	0.14	0.4	1.65	0	2.65E+08
F E\1	E\1	F\1	0.4				8 m wide n	0.16	0.14	0.4	1.65	0	2.65E+08
F F\1	F\1	G\2	0.4				8 m wide n	0.16	0.14	0.4	1.65	0	2.65E+08
F H\1	H\1	A\8	0.1				Dummy us	0.2	0.05	0.6	-0.05	0	2.65E+08
F J\1	J\1	H\1	0.4				8 m wide n	0.16	0.14	0.4	1.26	50	2.65E+08
F K\1	K\1	J\1	0.4				8 m wide n	0.16	0.14	0.4	1.5	0	2.65E+08
F M\1	M\1	L\2	0.4				8 m wide n	0.16	0.14	0.4	3.85	0	2.65E+08
F N\1	N\1	M\1	0.4				8 m wide n	0.16	0.14	0.4	3.52	0	2.65E+08
OF S1 A\1	S1 A\1	S1 A\2	0.3				8 m wide n	0.3	0.15	0.4	1.67	0	2.66E+08
OF S1 A\2	S1 A\2	S1 A\3	0.3				8 m wide n	0.3	0.15	0.4	1.67	0	2.66E+08
OF S1 A\3	S1 A\3	S1 A\4	0.4				8 m wide n	0.3	0.15	0.4	1.67	0	2.66E+08
OF S1 A\4	S1 A\4	S1 A\5	0.4				8 m wide n	0.3	0.15	0.4	1.67	0	2.66E+08
OF S1 A\5	S1 A\5	S1 A\6	0.5				8 m wide n	0.3	0.15	0.4	1.67	0	2.66E+08
OF S1 A\6	S1 A\6	S1 A\7	0.3				8 m wide n	0.3	0.15	0.4	1.67	0	2.66E+08
OF S1 A\7	S1 A\7	S1 A\8	0.2				8 m wide n	0.3	0.15	0.4	1.67	0	2.66E+08
OF S1 A\8	S1 A\8	S1 A\9	0.2				8 m wide n	0.3	0.15	0.4	1.67	0	2.66E+08
OF S1 A\9	S1 A\9	S1 A\10	0.2				8 m wide n	0.3	0.15	0.4	1.67	0	2.66E+08
OF S1 A\10	S1 A\10	S1 A\11	0.2				8 m wide n	0.3	0.15	0.4	1.67	0	2.66E+08
OF S1 A\11	S1 A\11	A\1	0.3				8 m wide n	0.3	0.15	0.4	1.67	0	2.66E+08
F A\1	A\1	C\1	0.4				8 m wide n	0.3	0.15	0.4	1.65	0	2.65E+08
F A\2	A\2	A\3	0.4				8 m wide n	0.3	0.15	0.4	1.67	0	7.55E+08
OF S1 B\1	S1 B\1	S1 C\1	1				8 m wide n	0.3	0.15	0.4	1.67	0	2.66E+08
OF S1 C\1	S1 C\1	S1 D\1	1				8 m wide n	0.3	0.15	0.4	1.67	0	7.55E+08
OF S1 D\1	S1 D\1	A\2	0.6				8 m wide n	0.3	0.15	0.4	1.67	0	7.57E+08
OF BASIN 2	BASIN 2A2	S1 A\6	1	70.5	65	1.6	Weir (Basin	0.3	0.3	0.4	2.2	0	3.44E+08
OF BASIN 2	BASIN 2A1	S1 A\11	0.1	69	4.9	1.6	Weir (Basin	0.3	0.3	0.6	1	0	1.31E+09
OF Lot 2B	2B	G\2	5				Pathway 4	0.3	0.15	0.6	1	0	1.23E+09
F G\2	G\2	H\1	0.4				8 m wide n	0.16	0.14	0.4	1.34	50	2.65E+08
OF L\1	Lot4	L\2	5				Pathway 4	0.3	0.15	0.6	1	0	1.21E+09
F L\2	L\2	K\1	0.4				8 m wide n	0.16	0.14	0.4	1.6	0	2.65E+08
OF Lot 1C2	Lot 1C 1B	BASIN	5				Pathway 4	0.3	0.15	0.6	1	0	1.24E+09

5 YEAR DRAINS results prepared 06 June, 2012 from Version 2009.09

PIT / NODE DETAILS		Version 8					
Name	Max HGL	Max Pond HGL	Max Surf Flow (cu.m/s)	Max Pond Volume (cu.m)	Min Freeboard (m)	Overflow (cu.m/s)	Constraint
B\1	68.96		0.012		1.21	0	Inlet Capacity
B\2	68.84		0.016		1.18	0.001	Inlet Capacity
B\3	67.96		0.025		1.15	0.002	Inlet Capacity
B\4	65.77		0.025		1.11	0.002	Inlet Capacity
B\5	64.37		0.015		1.15	0.001	Inlet Capacity
B\6	63.53		0.011		1.05	0	Inlet Capacity
B\7	63		0.009		1.07	0	None
B\8	62.83		0.01		0.99	0	None
B\9	61.63		0.021		1.72	0.001	Inlet Capacity
A\8	61.63	63.15	0.039	6.2	1.45	0	None
A\9	61.31		0		1.91	0	None
CREEK	58.9		0				
C\1	65.61		0.018		1.18	0.001	Inlet Capacity
A\3	65.19		0.02		1.48	0.001	Inlet Capacity
A\4	64.5		0.02		1.44	0.001	Inlet Capacity
A\5	63.74		0.022		1.4	0.001	Inlet Capacity
A\6	63		0.021		1.37	0.001	Inlet Capacity
A\7	62.25		0.022		1.31	0.001	Inlet Capacity
D\1	64.89		0.02		1.16	0.001	Inlet Capacity
E\1	64.11		0.022		1.15	0.001	Inlet Capacity
F\1	63.33		0.021		1.16	0.001	Inlet Capacity
H\1	61.95	63.13	0.043	6.7	1.11	0	None
J\1	62.32		0.022		1.12	0.001	Inlet Capacity
K\1	62.85		0.023		1.09	0.001	Inlet Capacity
M\1	66.1		0.025		1.14	0.002	Inlet Capacity
N\1	68.14		0.025		1.14	0.002	Inlet Capacity
S1 A\1	74.2		0.013		1.71	0.001	Inlet Capacity
S1 A\2	73.99		0.001		1.8	0	None
S1 A\3	73.45		0.007		1.42	0	None
S1 A\4	71.73		0.016		1.46	0.001	Inlet Capacity
S1 A\5	69.43		0.027		1.29	0.002	Inlet Capacity
S1 A\6	68.29		0.002		1.19	0	None
S1 A\7	67.96		0.025		1.27	0.002	Inlet Capacity
S1 A\8	67.12		0.011		1.73	0	Inlet Capacity
S1 A\9	66.94		0.01		1.53	0	None
S1 A\10	66.87		0.012		1.32	0	Inlet Capacity
S1 A\11	66.85		0		1.13	0	None
A\1	66.3		0.014		1.15	0.001	Inlet Capacity
A\2	66.08		0.032		1.24	0.004	Inlet Capacity
S1 B\1	69.54		0.043		1.2	0.007	Inlet Capacity
S1 C\1	68.01		0.032		1.23	0.004	Inlet Capacity
S1 D\1	67.2		0.024		1.27	0.002	Inlet Capacity
2B	62.79		0		1.01	0	None
G\2	62.46		0.022		1.23	0.001	Inlet Capacity
Lot4	63.83		0		1.17	0	None
L\2	63.63		0.025		1.28	0.002	Inlet Capacity
Lot 1C 1B	61.67		0		1.83	0	None

SUB-CATCHMENT DETAILS

Name	Max Flow Q (cu.m/s)	Paved Max Q (cu.m/s)	Grassed Max Q (cu.m/s)	Paved Tc (min)	Grassed Tc (min)	Supp. Tc (min)	Due to Storm
C B\1	0.012	0.011	0.001		1	5	0 AR&R 5 year, 25 minutes st
C B\2	0.016	0.015	0.001		1	5	0 AR&R 5 year, 25 minutes st
C B\3	0.024	0.022	0.002		1	5	0 AR&R 5 year, 25 minutes st
C B\4	0.024	0.022	0.002		1	5	0 AR&R 5 year, 25 minutes st
C B\5	0.013	0.012	0.001		1	5	0 AR&R 5 year, 25 minutes st
C B\6	0.01	0.009	0.001		1	5	0 AR&R 5 year, 25 minutes st
C B\7	0.009	0.008	0.001		1	5	0 AR&R 5 year, 25 minutes st
C B\8	0.01	0.009	0.001		1	5	0 AR&R 5 year, 25 minutes st
C B\9	0.021	0.019	0.002		1	5	0 AR&R 5 year, 25 minutes st
C A\8	0.037	0.034	0.003		1	5	0 AR&R 5 year, 25 minutes st
C C\1	0.017	0.016	0.001		1	5	0 AR&R 5 year, 25 minutes st
C A\3	0.016	0.015	0.001		1	5	0 AR&R 5 year, 25 minutes st
C A\4	0.019	0.017	0.002		1	5	0 AR&R 5 year, 25 minutes st
C A\5	0.02	0.019	0.002		1	5	0 AR&R 5 year, 25 minutes st
C A\6	0.02	0.018	0.002		1	5	0 AR&R 5 year, 25 minutes st
C A\7	0.021	0.019	0.002		1	5	0 AR&R 5 year, 25 minutes st
C D\1	0.019	0.017	0.002		1	5	0 AR&R 5 year, 25 minutes st
C E\1	0.021	0.019	0.002		1	5	0 AR&R 5 year, 25 minutes st
C F\1	0.02	0.018	0.002		1	5	0 AR&R 5 year, 25 minutes st
C H\1	0.041	0.037	0.003		1	5	0 AR&R 5 year, 25 minutes st
C J\1	0.02	0.019	0.002		1	5	0 AR&R 5 year, 25 minutes st
C K\1	0.021	0.019	0.002		1	5	0 AR&R 5 year, 25 minutes st
C M\1	0.023	0.021	0.002		1	5	0 AR&R 5 year, 25 minutes st
C N\1	0.025	0.023	0.002		1	5	0 AR&R 5 year, 25 minutes st
C exist	3.083	0	3.083		0	25	0 AR&R 5 year, 2 hours storm
S1 C A\1	0.013	0.012	0.001		1	5	0 AR&R 5 year, 25 minutes st
S1 C A\3	0.007	0.006	0.001		1	5	0 AR&R 5 year, 25 minutes st
S1 C A\4	0.016	0.015	0.001		1	5	0 AR&R 5 year, 25 minutes st
S1 C A\5	0.026	0.024	0.002		1	5	0 AR&R 5 year, 25 minutes st
S1 C A\7	0.025	0.023	0.002		1	5	0 AR&R 5 year, 25 minutes st
S1 C A\8	0.01	0.009	0.001		1	5	0 AR&R 5 year, 25 minutes st
S1 C A\9	0.01	0.009	0.001		1	5	0 AR&R 5 year, 25 minutes st
S1 C A\10	0.012	0.011	0.001		1	5	0 AR&R 5 year, 25 minutes st
C A\1	0.014	0.013	0.001		1	5	0 AR&R 5 year, 25 minutes st
C A\2	0.03	0.028	0.003		1	5	0 AR&R 5 year, 25 minutes st
S1 C B\1	0.043	0.04	0.004		2	5	0 AR&R 5 year, 25 minutes st
S1 C C\1	0.025	0.023	0.002		1	5	0 AR&R 5 year, 25 minutes st
S1 C D\1	0.021	0.019	0.002		1	5	0 AR&R 5 year, 25 minutes st
C G\1	0.998	0	0.998		10	15	0 AR&R 5 year, 2 hours storm
C LOT 2A1	1.285	1.167	0.128		10	15	0 AR&R 5 year, 25 minutes st
S1 C LOT 2A	0.818	0.723	0.098		5	10	0 AR&R 5 year, 25 minutes st
Lot 1C and	1.826	0	1.826		5	15	0 AR&R 5 year, 2 hours storm
Lot 4	0.431	0	0.431		5	10	0 AR&R 5 year, 2 hours storm
C G\2	0.021	0.019	0.002		1	5	0 AR&R 5 year, 25 minutes st
C L\2	0.023	0.021	0.002		1	5	0 AR&R 5 year, 25 minutes st

Outflow Volumes for Total Catchment (7.74 impervious + 46.6 pervious = 54.3 total ha)

Storm	Total Rainf cu.m	Total Runo cu.m (Runo	Impervious cu.m (Runo	Pervious cu.m (Runo	Runoff %
AR&R 5 ye	6044.74	1204.80 (1	783.91 (91	420.89 (8.1%)	
AR&R 5 ye	9256.01	3237.15 (3	1241.48 (9	1995.67 (25.1%)	
AR&R 5 ye	11608.93	4993.14 (4	1576.71 (9	3416.43 (34.3%)	
AR&R 5 ye	13491.28	6330.18 (4	1844.91 (9	4485.27 (38.8%)	
AR&R 5 ye	15069.99	7393.98 (4	2069.86 (9	5324.13 (41.2%)	
AR&R 5 ye	16438.75	8081.02 (4	2264.88 (9	5816.14 (41.3%)	
AR&R 5 ye	19726.5	10069.58 (	2733.36 (9	7336.21 (43.4%)	
AR&R 5 ye	22278.51	11579.37 (	3096.98 (9	8482.40 (44.4%)	
AR&R 5 ye	26201.55	13563.70 (	3655.95 (9	9907.75 (44.1%)	
AR&R 5 ye	29266.68	15062.42 (	4092.74 (9	10969.68 (43.7%)	
AR&R 5 ye	34061.2	17508.49 (	4775.33 (9	12733.16 (43.6%)	

PIPE DETAILS

Name	Max Q (cu.m/s)	Max V (m/s)	Max U/S HGL (m)	Max D/S HGL (m)	Due to Storm
P B\1	0.012	1.2	68.849	68.838	AR&R 5 year, 25 minutes storm, average 66.61 mn
P B\2	0.027	1.7	68.655	67.955	AR&R 5 year, 25 minutes storm, average 66.61 mn
P B\3	0.073	3.1	67.733	65.767	AR&R 5 year, 25 minutes storm, average 66.61 mn
P B\4	0.119	3.5	65.501	64.369	AR&R 5 year, 25 minutes storm, average 66.61 mn
P B\5	0.133	3.5	64.182	63.529	AR&R 5 year, 25 minutes storm, average 66.61 mn
P B\6	0.43	2.6	63.271	62.995	AR&R 5 year, 25 minutes storm, average 66.61 mn
P B\7	0.439	2.8	62.897	62.834	AR&R 5 year, 25 minutes storm, average 66.61 mn
P B\8	0.47	2.8	62.654	62.173	AR&R 5 year, 25 minutes storm, average 66.61 mn
P B\9	0.51	2	61.628	61.628	AR&R 5 year, 25 minutes storm, average 66.61 mn
P A\8	2.823	1.7	61.309	61.309	AR&R 5 year, 25 minutes storm, average 66.61 mn
P A\9	2.823	4.3	61.119	61	AR&R 5 year, 25 minutes storm, average 66.61 mn
OUTLET	3.084	3.3	59.142	58.9	AR&R 5 year, 3 hours storm, average 20.91 mm/h,
P C\1	0.017	1.3	65.475	65.302	AR&R 5 year, 25 minutes storm, average 66.61 mn
P A\3	1.274	4	64.851	64.495	AR&R 5 year, 25 minutes storm, average 66.61 mn
P A\4	1.311	4.1	64.15	63.745	AR&R 5 year, 25 minutes storm, average 66.61 mn
P A\5	1.351	4.1	63.388	63.004	AR&R 5 year, 25 minutes storm, average 66.61 mn
P A\6	1.39	4.1	62.645	62.252	AR&R 5 year, 25 minutes storm, average 66.61 mn
P A\7	2.236	4.2	61.657	61.628	AR&R 5 year, 25 minutes storm, average 66.61 mn
P D\1	0.018	1.3	64.745	64.575	AR&R 5 year, 25 minutes storm, average 66.61 mn
P E\1	0.021	1.4	63.96	63.79	AR&R 5 year, 25 minutes storm, average 66.61 mn
P F\1	0.02	1.4	63.184	63.015	AR&R 5 year, 25 minutes storm, average 66.61 mn
P H\1	0.04	1.6	61.744	61.628	AR&R 5 year, 25 minutes storm, average 66.61 mn
P J\1	0.021	1.4	62.169	61.989	AR&R 5 year, 25 minutes storm, average 66.61 mn
P K\1	0.021	0.3	62.836	62.834	AR&R 5 year, 25 minutes storm, average 66.61 mn
P M\1	0.023	1.9	65.922	65.767	AR&R 5 year, 25 minutes storm, average 66.61 mn
P N\1	0.023	1.4	67.975	67.955	AR&R 5 year, 25 minutes storm, average 66.61 mn
S1 P A\1	0.013	1.2	74.089	73.992	AR&R 5 year, 25 minutes storm, average 66.61 mn
S1 P A\2	0.013	1.8	73.932	73.447	AR&R 5 year, 25 minutes storm, average 66.61 mn
S1 P A\3	0.02	2	73.349	71.732	AR&R 5 year, 25 minutes storm, average 66.61 mn
S1 P A\4	0.035	2.6	71.59	69.429	AR&R 5 year, 25 minutes storm, average 66.61 mn
S1 P A\5	0.096	2.8	69.177	68.287	AR&R 5 year, 25 minutes storm, average 66.61 mn
S1 P A\6	0.702	2.2	67.96	67.96	AR&R 5 year, 25 minutes storm, average 66.61 mn
S1 P A\7	0.753	3.7	67.681	67.317	AR&R 5 year, 25 minutes storm, average 66.61 mn
S1 P A\8	0.763	3.9	67.118	66.943	AR&R 5 year, 25 minutes storm, average 66.61 mn
S1 P A\9	0.795	1.7	66.868	66.868	AR&R 5 year, 25 minutes storm, average 66.61 mn
S1 P A\10	0.807	1.1	66.852	66.852	AR&R 5 year, 25 minutes storm, average 66.61 mn

S1 P A\11	1.2	3.1	66.296	66.296 AR&R 5 year, 25 minutes storm, average 66.61 mn
P A\1	1.212	1.7	66.081	66.081 AR&R 5 year, 25 minutes storm, average 66.61 mn
P A\2	1.239	4	65.473	65.189 AR&R 5 year, 25 minutes storm, average 66.61 mn
S1 P B\1	0.036	0.6	69.429	69.429 AR&R 5 year, 25 minutes storm, average 66.61 mn
S1 P C\1	0.028	0.4	67.963	67.96 AR&R 5 year, 25 minutes storm, average 66.61 mn
S1 P D\1	0.023	1.4	67.041	66.943 AR&R 5 year, 25 minutes storm, average 66.61 mn
P LOT 2A2	0.604	2.8	68.337	68.287 AR&R 5 year, 25 minutes storm, average 66.61 mn
P LOT 2A1	0.393	2.6	67.362	67.012 AR&R 5 year, 25 minutes storm, average 66.61 mn
P G\1	0.806	3.1	62.557	62.509 AR&R 5 year, 5 minutes storm, average 133.59 mn
P G\2	0.827	3.1	62.336	62.252 AR&R 5 year, 25 minutes storm, average 66.61 mn
P L\1	0.263	2.4	63.701	63.645 AR&R 5 year, 5 minutes storm, average 133.59 mn
P L\2	0.286	2.4	63.533	63.529 AR&R 5 year, 25 minutes storm, average 66.61 mn
P LOT 1C2	1.475	3.7	61.343	61.043 AR&R 5 year, 5 minutes storm, average 133.59 mn

CHANNEL DETAILS

Name	Max Q (cu.m/s)	Max V (m/s)	Chainage (m)	Max HGL (m)	Due to Storm
------	-------------------	----------------	-----------------	----------------	--------------

OVERFLOW ROUTE DETAILS

Name	Max Q U/S	Max Q D/S	Safe Q	Max D	Max DxV	Max Width	Max V	Due to Storm
F B\1	0	0	0.236	0	0	0	0	
F B\2	0.001	0.001	0.243	0.02	0.01	0.17	0.47	AR&R 5 year, 25
F B\3	0.002	0.002	0.372	0.024	0.02	0.19	0.76	AR&R 5 year, 25
F B\4	0.002	0.002	0.397	0.024	0.02	0.19	0.81	AR&R 5 year, 25
F B\5	0.001	0.001	0.326	0.017	0.01	0.14	0.54	AR&R 5 year, 25
F B\6	0	0	0.306	0	0	0	0	
F B\7	0	0	0.235	0	0	0	0	
F B\8	0	0	0.229	0	0	0	0	
F B\9	0.001	0.02	0.194	0.07	0.06	0.97	0.84	AR&R 5 year, 5 i
F A\8	0	0	0	0	0	0	0	
F A\10	0	0	0	0	0	0	0	
OF Basin	0	0	12.079	0	0	0	0	
Fout	3.084	3.084	0.181	0.159	0.16	35.88	0.99	AR&R 5 year, 3 l
F C\1	0.001	0.001	0.306	0.022	0.01	0.18	0.48	AR&R 5 year, 25
F A\3	0.001	0.001	0.245	0.024	0.01	0.19	0.52	AR&R 5 year, 25
F A\4	0.001	0.001	0.244	0.024	0.01	0.19	0.52	AR&R 5 year, 25
F A\5	0.001	0.001	0.244	0.024	0.01	0.2	0.5	AR&R 5 year, 25
F A\6	0.001	0.001	0.244	0.024	0.01	0.19	0.52	AR&R 5 year, 5 i
F A\7	0.001	0.02	0.209	0.068	0.06	0.93	0.89	AR&R 5 year, 25
F D\1	0.001	0.001	0.244	0.024	0.01	0.19	0.51	AR&R 5 year, 25
F E\1	0.001	0.001	0.244	0.024	0.01	0.2	0.53	AR&R 5 year, 25
F F\1	0.001	0.001	0.244	0.024	0.01	0.19	0.52	AR&R 5 year, 5 i
F H\1	0	0	0	0	0	0	0	
F J\1	0.001	0.022	0.213	0.071	0.06	1	0.9	AR&R 5 year, 25
F K\1	0.001	0.001	0.232	0.026	0.01	0.21	0.51	AR&R 5 year, 25
F M\1	0.002	0.002	0.372	0.024	0.02	0.19	0.8	AR&R 5 year, 25
F N\1	0.002	0.002	0.356	0.024	0.02	0.2	0.74	AR&R 5 year, 25
OF S1 A\1	0.001	0.001	0.307	0.017	0.01	0.14	0.42	AR&R 5 year, 25
OF S1 A\2	0	0	0.307	0	0	0	0	
OF S1 A\3	0	0	0.307	0	0	0	0	
OF S1 A\4	0.001	0.001	0.307	0.02	0.01	0.17	0.48	AR&R 5 year, 25
OF S1 A\5	0.002	0.002	0.307	0.03	0.02	0.25	0.62	AR&R 5 year, 25
OF S1 A\6	0	0	0.307	0	0	0	0	
OF S1 A\7	0.002	0.002	0.307	0.028	0.02	0.23	0.57	AR&R 5 year, 25
OF S1 A\8	0	0	0.307	0	0	0	0	
OF S1 A\9	0	0	0.307	0	0	0	0	
OF S1 A\10	0	0	0.307	0	0	0	0	
OF S1 A\11	0	0	0.307	0	0	0	0	
F A\1	0.001	0.001	0.306	0.019	0.01	0.16	0.42	AR&R 5 year, 25
F A\2	0.004	0.004	0.307	0.036	0.03	0.3	0.69	AR&R 5 year, 25
OF S1 B\1	0.007	0.007	0.307	0.046	0.04	0.38	0.81	AR&R 5 year, 25
OF S1 C\1	0.004	0.004	0.307	0.036	0.03	0.3	0.69	AR&R 5 year, 25
OF S1 D\1	0.002	0.002	0.307	0.027	0.02	0.22	0.56	AR&R 5 year, 25
OF BASIN 2	0	0	5.789	0	0	0	0	
OF BASIN 2	0	0	8.71	0	0	0	0	
OF Lot 2B	0	0	0.565	0	0	0	0	
F G\2	0.001	0.022	0.22	0.07	0.06	0.97	0.93	AR&R 5 year, 25
OF L\1	0	0	0.565	0	0	0	0	
F L\2	0.002	0.002	0.24	0.028	0.02	0.23	0.56	AR&R 5 year, 25
OF Lot 1C2	0	0	0.565	0	0	0	0	

DETENTION BASIN DETAILS

Name	Max WL	MaxVol	Max Q Total	Max Q Low Level	Max Q High Level
BASIN	60.64	2399.5	3.084	3.084	0
BASIN 2A2	70.31	339	0.604	0.604	0
BASIN 2A1	68.84	154.7	0.393	0.393	0

CONTINUITY CHECK for AR&R 5 year, 2 hours storm, average 26.95 mm/h, Zone 1

Node	Inflow (cu.m)	Outflow (cu.m)	Storage Ch (cu.m)	Difference %
B\1	16.75	16.74	0	0
B\2	39.05	39.02	0	0.1
B\3	107.04	107.04	0	0
B\4	173.33	173.33	0	0
B\5	191.52	191.51	0	0
B\6	3156.09	3154.09	0	0.1
B\7	3167.09	3165.34	0	0.1
B\8	3209.02	3207.04	0	0.1
B\9	3265.09	3263.1	0	0.1
A\8	16320.22	16312.13	0	0
A\9	16312.13	16304.1	0	0
BASIN	32676.48	31588.72	1076.36	0
CREEK	31588.72	31568.59	0	0.1
C\1	24.36	24.36	0	0
A\3	3786.46	3786.45	0	0
A\4	3839.05	3839.03	0	0
A\5	3897.17	3897.15	0	0
A\6	3953.3	3953.28	0	0
A\7	12952.59	12946.4	0	0
D\1	26.56	26.56	0	0
E\1	29.79	29.78	0	0.1
F\1	28.42	28.41	0	0
H\1	58.59	58.59	0	0
J\1	29.34	29.33	0	0.1
K\1	30.21	30.19	0	0.1
M\1	33.73	33.72	0	0
N\1	34.88	34.87	0	0
N exist	6286.69	6286.69	0	0
S1 A\1	18.65	18.64	0	0
S1 A\2	18.64	18.64	0	0
S1 A\3	28.09	28.09	0	0
S1 A\4	50.68	50.66	0	0
S1 A\5	145.75	145.75	0	0
S1 A\6	2358.45	2358.46	0	0
S1 A\7	2431.12	2431.12	0	0
S1 A\8	2444.71	2444.68	0	0
S1 A\9	2487.93	2487.93	0	0
S1 A\10	2505.37	2505.37	0	0
S1 A\11	3676.13	3676.11	0	0
A\1	3696	3695.98	0	0
A\2	3739.36	3739.33	0	0
S1 B\1	60.84	60.78	0	0.1
S1 C\1	38.27	38.26	0	0
S1 D\1	30.18	30.16	0	0.1

G\1	1358.9	1358.9	0	0
BASIN 2A2	2213.57	2212.71	3.31	-0.1
BASIN 2A1	1178.82	1170.75	9.59	-0.1
LOT 1C	2486.7	2486.7	0	0
Lot 4 ex	445.4	445.4	0	0
Nout	31548.46	31548.46	0	0
2B	8946.6	8946.79	0	0
G\2	8976.5	8970.35	0	0.1
Lot4	2919.3	2919.31	0	0
L\2	2952.98	2950.99	0	0.1
Lot 1C 1B	16372.5	16372.39	0	0

Run Log for 12 run at 15:43:48 on 6/6/2012

No water upwelling from any pit. Freeboard was adequate at all pits.

The maximum flow exceeded the safe value in the following overflow routes: Fout

100 YEAR DRAINS results prepared 06 June, 2012 from Version 2009.09

PIT / NODE DETAILS		Version 8					Constraint
Name	Max HGL	Max Pond HGL	Max Surf Flow (cu.m/s)	Max Pond Volume (cu.m)	Min Freeboard (m)	Overflow (cu.m/s)	
B\1	69.01		0.02		1.16	0.001	Inlet Capacity
B\2	68.92		0.026		1.1	0.002	Inlet Capacity
B\3	68.05		0.041		1.05	0.006	Inlet Capacity
B\4	65.94		0.045		0.94	0.008	Inlet Capacity
B\5	64.47		0.029		1.06	0.003	Inlet Capacity
B\6	63.81		0.02		0.77	0.001	Inlet Capacity
B\7	63.21		0.016		0.86	0.001	Inlet Capacity
B\8	63.01		0.017		0.81	0.001	Inlet Capacity
B\9	61.78		0.035		1.56	0.005	Inlet Capacity
A\8	61.73	63.17	0.071	9.5	1.35	0	None
A\9	61.39		0		1.83	0	None
CREEK	58.94		0.453				
C\1	65.84		0.298		0.94	0.208	Inlet Capacity
A\3	65.33		0.041		1.34	0.006	Inlet Capacity
A\4	64.63		0.037		1.31	0.005	Inlet Capacity
A\5	63.87		0.038		1.28	0.005	Inlet Capacity
A\6	63.12		0.038		1.26	0.005	Inlet Capacity
A\7	62.36		0.04		1.21	0.006	Inlet Capacity
D\1	65.11		0.215		0.94	0.126	Inlet Capacity
E\1	64.25		0.133		1.01	0.059	Inlet Capacity
F\1	63.48		0.066		1.01	0.017	Inlet Capacity
H\1	62.04	63.16	0.079	10.4	1.01	0	None
J\1	62.4		0.041		1.04	0.006	Inlet Capacity
K\1	63.03		0.043		0.91	0.007	Inlet Capacity
M\1	66.17		0.045		1.07	0.008	Inlet Capacity
N\1	68.2		0.042		1.07	0.007	Inlet Capacity
S1 A\1	74.26		0.022		1.66	0.001	Inlet Capacity
S1 A\2	74.02		0.001		1.77	0	None
S1 A\3	73.49		0.011		1.38	0	Inlet Capacity
S1 A\4	71.79		0.027		1.4	0.002	Inlet Capacity
S1 A\5	69.6		0.045		1.12	0.008	Inlet Capacity
S1 A\6	68.33		0.89		1.15	0.801	Inlet Capacity
S1 A\7	68.01		0.81		1.21	0.721	Inlet Capacity
S1 A\8	67.27		0.725		1.58	0.635	Inlet Capacity
S1 A\9	67.27		0.639		1.21	0.549	Inlet Capacity
S1 A\10	67.2		0.554		0.98	0.465	Inlet Capacity
S1 A\11	67.17		0.465		0.81	0.375	Inlet Capacity
A\1	66.52		0.38		0.93	0.291	Inlet Capacity
A\2	66.32		0.06		1	0.014	Inlet Capacity
S1 B\1	69.67		0.071		1.07	0.02	Inlet Capacity
S1 C\1	68.09		0.061		1.15	0.015	Inlet Capacity
S1 D\1	67.28		0.049		1.19	0.01	Inlet Capacity
2B	62.79		0		1.01	0	None
G\2	62.47		0.039		1.22	0.006	Inlet Capacity
Lot4	63.9		0		1.1	0	None
L\2	63.86		0.047		1.04	0.009	Inlet Capacity
Lot 1C 1B	61.67		0		1.83	0	None

SUB-CATCHMENT DETAILS

Name	Max Flow Q (cu.m/s)	Paved Max Q (cu.m/s)	Grassed Max Q (cu.m/s)	Paved Tc (min)	Grassed Tc (min)	Supp. Tc (min)	Due to Storm
C B\1	0.02	0.018	0.001	1	5		0 AR&R 100 year, 5 minutes stor
C B\2	0.026	0.025	0.002	1	5		0 AR&R 100 year, 5 minutes stor
C B\3	0.039	0.037	0.002	1	5		0 AR&R 100 year, 5 minutes stor
C B\4	0.039	0.036	0.002	1	5		0 AR&R 100 year, 5 minutes stor
C B\5	0.021	0.02	0.001	1	5		0 AR&R 100 year, 5 minutes stor
C B\6	0.017	0.016	0.001	1	5		0 AR&R 100 year, 5 minutes stor
C B\7	0.015	0.014	0.001	1	5		0 AR&R 100 year, 5 minutes stor
C B\8	0.016	0.015	0.001	1	5		0 AR&R 100 year, 5 minutes stor
C B\9	0.034	0.032	0.002	1	5		0 AR&R 100 year, 5 minutes stor
C A\8	0.061	0.057	0.004	1	5		0 AR&R 100 year, 5 minutes stor
C C\1	0.028	0.027	0.002	1	5		0 AR&R 100 year, 5 minutes stor
C A\3	0.027	0.025	0.002	1	5		0 AR&R 100 year, 5 minutes stor
C A\4	0.031	0.029	0.002	1	5		0 AR&R 100 year, 5 minutes stor
C A\5	0.034	0.032	0.002	1	5		0 AR&R 100 year, 5 minutes stor
C A\6	0.033	0.031	0.002	1	5		0 AR&R 100 year, 5 minutes stor
C A\7	0.034	0.032	0.002	1	5		0 AR&R 100 year, 5 minutes stor
C D\1	0.031	0.029	0.002	1	5		0 AR&R 100 year, 5 minutes stor
C E\1	0.034	0.032	0.002	1	5		0 AR&R 100 year, 5 minutes stor
C F\1	0.033	0.031	0.002	1	5		0 AR&R 100 year, 5 minutes stor
C H\1	0.067	0.063	0.004	1	5		0 AR&R 100 year, 5 minutes stor
C J\1	0.034	0.032	0.002	1	5		0 AR&R 100 year, 5 minutes stor
C K\1	0.035	0.032	0.002	1	5		0 AR&R 100 year, 5 minutes stor
C M\1	0.039	0.036	0.002	1	5		0 AR&R 100 year, 5 minutes stor
C N\1	0.041	0.038	0.002	1	5		0 AR&R 100 year, 5 minutes stor
C exist	6.496	0	6.496	0	25		0 AR&R 100 year, 1 hour storm
S1 C A\1	0.022	0.02	0.001	1	5		0 AR&R 100 year, 5 minutes stor
S1 C A\3	0.011	0.01	0.001	1	5		0 AR&R 100 year, 5 minutes stor
S1 C A\4	0.026	0.025	0.002	1	5		0 AR&R 100 year, 5 minutes stor
S1 C A\5	0.043	0.041	0.003	1	5		0 AR&R 100 year, 5 minutes stor
S1 C A\7	0.041	0.039	0.003	1	5		0 AR&R 100 year, 5 minutes stor
S1 C A\8	0.016	0.015	0.001	1	5		0 AR&R 100 year, 5 minutes stor
S1 C A\9	0.016	0.015	0.001	1	5		0 AR&R 100 year, 5 minutes stor
S1 C A\10	0.02	0.019	0.001	1	5		0 AR&R 100 year, 5 minutes stor
C A\1	0.023	0.022	0.001	1	5		0 AR&R 100 year, 5 minutes stor
C A\2	0.05	0.047	0.003	1	5		0 AR&R 100 year, 5 minutes stor
S1 C B\1	0.071	0.067	0.004	2	5		0 AR&R 100 year, 5 minutes stor
S1 C C\1	0.042	0.039	0.003	1	5		0 AR&R 100 year, 5 minutes stor
S1 C D\1	0.034	0.032	0.002	1	5		0 AR&R 100 year, 5 minutes stor
C G\1	1.725	0	1.725	10	15		0 AR&R 100 year, 1 hour storm
C LOT 2A1	2.04	1.783	0.278	10	15		0 AR&R 100 year, 20 minutes stor
S1 C LOT 2A	1.255	1.06	0.195	5	10		0 AR&R 100 year, 25 minutes stor
Lot 1C and	3.157	0	3.157	5	15		0 AR&R 100 year, 1 hour storm
Lot 4	0.755	0	0.755	5	10		0 AR&R 100 year, 20 minutes stor
C G\2	0.034	0.032	0.002	1	5		0 AR&R 100 year, 5 minutes stor
C L\2	0.039	0.036	0.002	1	5		0 AR&R 100 year, 5 minutes stor

Outflow Volumes for Total Catchment (7.74 impervious + 46.6 pervious = 54.3 total ha)

Storm	Total Rainfall cu.m	Total Runoff cu.m (Runoff %)	Impervious cu.m (Runoff %)	Pervious cu.m (Runoff %)
AR&R 100'	9926.14	4535.27 (45.7%)	1336.95 (13.5%)	3198.31 (32.2%)
AR&R 100'	15213.43	9004.10 (59.2%)	2090.28 (13.7%)	6913.82 (45.5%)
AR&R 100'	19009.78	12165.59 (64.0%)	2631.22 (13.8%)	9534.38 (50.2%)
AR&R 100'	22046.84	14636.94 (66.4%)	3063.92 (13.9%)	11573.02 (52.5%)
AR&R 100'	24610.62	16503.24 (67.1%)	3429.23 (13.9%)	13074.01 (53.2%)
AR&R 100'	26842.26	18160.25 (67.3%)	3747.17 (13.9%)	14413.08 (53.4%)
AR&R 100'	32273.43	22209.87 (68.8%)	4521.08 (14.0%)	17688.78 (54.8%)
AR&R 100'	36548.05	25386.53 (69.5%)	5130.07 (14.0%)	20256.46 (55.5%)
AR&R 100'	43232.15	30221.35 (69.9%)	6082.39 (14.1%)	24138.96 (55.8%)
AR&R 100'	48520.78	33949.94 (69.9%)	6836.17 (14.2%)	27113.76 (55.7%)
AR&R 100'	56915.27	39683.14 (69.7%)	8031.94 (14.1%)	31651.20 (55.6%)
AR&R 100'	88011.78	55855.14 (63.5%)	12460.95 (14.1%)	43394.19 (49.4%)

PIPE DETAILS

Name	Max Q (cu.m/s)	Max V (m/s)	Max U/S HGL (m)	Max D/S HGL (m)	Due to Storm
P B\1	0.018	0.6	68.918	68.918	AR&R 100 year, 5 minutes storm, average 219.37 m
P B\2	0.042	1.9	68.677	68.046	AR&R 100 year, 5 minutes storm, average 219.37 m
P B\3	0.113	3.4	67.759	65.938	AR&R 100 year, 5 minutes storm, average 219.37 m
P B\4	0.186	3.8	65.538	64.467	AR&R 100 year, 5 minutes storm, average 219.37 m
P B\5	0.212	3.8	64.223	63.811	AR&R 100 year, 5 minutes storm, average 219.37 m
P B\6	0.531	2.7	63.317	63.207	AR&R 100 year, 5 minutes storm, average 219.37 m
P B\7	0.546	2	63.125	63.014	AR&R 100 year, 5 minutes storm, average 219.37 m
P B\8	0.597	2.9	62.743	62.241	AR&R 100 year, 5 minutes storm, average 219.37 m
P B\9	0.662	1.7	61.785	61.726	AR&R 100 year, 5 minutes storm, average 219.37 m
P A\8	3.273	1.7	61.392	61.392	AR&R 100 year, 5 minutes storm, average 219.37 m
P A\9	3.273	4.4	61.193	61.074	AR&R 100 year, 5 minutes storm, average 219.37 m
OUTLET	3.267	3.4	59.178	58.936	AR&R 100 year, 9 hours storm, average 18.01 mm/h
P C\1	0.09	1.9	65.642	65.405	AR&R 100 year, 1.5 hours storm, average 53.08 mm
P A\3	1.723	4.4	64.919	64.629	AR&R 100 year, 1.5 hours storm, average 53.08 mm
P A\4	1.737	4.4	64.216	63.871	AR&R 100 year, 1.5 hours storm, average 53.08 mm
P A\5	1.753	4.4	63.45	63.122	AR&R 100 year, 1.5 hours storm, average 53.08 mm
P A\6	1.769	4.5	62.704	62.355	AR&R 100 year, 1.5 hours storm, average 53.08 mm
P A\7	2.591	4.1	61.726	61.726	AR&R 100 year, 1.5 hours storm, average 53.08 mm
P D\1	0.089	1.9	64.911	64.675	AR&R 100 year, 1.5 hours storm, average 53.08 mm
P E\1	0.074	1.7	64.113	63.871	AR&R 100 year, 1.5 hours storm, average 53.08 mm
P F\1	0.048	1.6	63.232	63.122	AR&R 100 year, 1.5 hours storm, average 53.08 mm
P H\1	0.065	1.7	61.776	61.726	AR&R 100 year, 15 minutes storm, average 140.04 mm
P J\1	0.035	1.5	62.193	62.013	AR&R 100 year, 5 minutes storm, average 219.37 m
P K\1	0.036	0.3	63.006	63.014	AR&R 100 year, 5 minutes storm, average 219.37 m
P M\1	0.037	1.9	65.944	65.938	AR&R 100 year, 5 minutes storm, average 219.37 m
P N\1	0.035	0.9	68.046	68.046	AR&R 100 year, 5 minutes storm, average 219.37 m
S1 P A\1	0.021	1.4	74.105	74.023	AR&R 100 year, 5 minutes storm, average 219.37 m
S1 P A\2	0.022	2.3	73.941	73.491	AR&R 100 year, 5 minutes storm, average 219.37 m
S1 P A\3	0.033	2.6	73.358	71.793	AR&R 100 year, 5 minutes storm, average 219.37 m
S1 P A\4	0.057	3	71.606	69.596	AR&R 100 year, 5 minutes storm, average 219.37 m
S1 P A\5	0.144	3	69.21	68.333	AR&R 100 year, 5 minutes storm, average 219.37 m
S1 P A\6	0.773	2.1	68.012	68.012	AR&R 100 year, 1 hour storm, average 67.31 mm/h,
S1 P A\7	0.873	3.8	67.71	67.346	AR&R 100 year, 1 hour storm, average 67.31 mm/h,
S1 P A\8	0.959	2.8	67.266	67.266	AR&R 100 year, 1 hour storm, average 67.31 mm/h,
S1 P A\9	1.052	1.3	67.222	67.204	AR&R 100 year, 1.5 hours storm, average 53.08 mm
S1 P A\10	1.134	1.3	67.183	67.169	AR&R 100 year, 1.5 hours storm, average 53.08 mm

S1 P A\11	1.608	2.2	66.621	66.523	AR&R 100 year, 1.5 hours storm, average 53.08 mm
P A\1	1.697	1.9	66.343	66.323	AR&R 100 year, 1.5 hours storm, average 53.08 mm
P A\2	1.709	3.5	65.642	65.331	AR&R 100 year, 1.5 hours storm, average 53.08 mm
S1 P B\1	0.051	0.5	69.605	69.596	AR&R 100 year, 5 minutes storm, average 219.37 m
S1 P C\1	0.046	0.5	68.013	68.012	AR&R 100 year, 5 minutes storm, average 219.37 m
S1 P D\1	0.039	0.4	67.266	67.266	AR&R 100 year, 5 minutes storm, average 219.37 m
P LOT 2A2	0.636	2.9	68.349	68.333	AR&R 100 year, 1.5 hours storm, average 53.08 mm
P LOT 2A1	0.403	2.7	67.367	67.169	AR&R 100 year, 25 minutes storm, average 108.78 n
P G\1	0.806	3.1	62.557	62.509	AR&R 100 year, 5 minutes storm, average 219.37 m
P G\2	0.84	3	62.355	62.355	AR&R 100 year, 5 minutes storm, average 219.37 m
P L\1	0.263	1.3	63.859	63.859	AR&R 100 year, 5 minutes storm, average 219.37 m
P L\2	0.301	1.1	63.841	63.811	AR&R 100 year, 5 minutes storm, average 219.37 m
P LOT 1C2	1.475	3.7	61.343	61.043	AR&R 100 year, 5 minutes storm, average 219.37 m

CHANNEL DETAILS

Name	Max Q (cu.m/s)	Max V (m/s)	Chainage (m)	Max HGL (m)	Due to Storm
------	-------------------	----------------	-----------------	----------------	--------------

OVERFLOW ROUTE DETAILS

Name	Max Q U/S	Max Q D/S	Safe Q	Max D	Max DxV	Max Width	Max V	Due to Storm
F B\1	0.001	0.001	0.329	0.024	0.01	0.19	0.51	AR&R 100 year, 5
F B\2	0.002	0.002	0.338	0.029	0.02	0.24	0.59	AR&R 100 year, 5
F B\3	0.006	0.006	0.517	0.038	0.04	0.31	1.08	AR&R 100 year, 5
F B\4	0.008	0.008	0.552	0.041	0.05	0.34	1.22	AR&R 100 year, 5
F B\5	0.003	0.003	0.454	0.03	0.02	0.25	0.81	AR&R 100 year, 5
F B\6	0.001	0.001	1.036	0.024	0.01	0.19	0.51	AR&R 100 year, 5
F B\7	0.001	0.001	0.327	0.021	0.01	0.17	0.47	AR&R 100 year, 5
F B\8	0.001	0.001	0.319	0.022	0.01	0.18	0.45	AR&R 100 year, 5
F B\9	0.005	0.035	0.271	0.083	0.07	1.43	0.88	AR&R 100 year, 5
F A\8	0	0	0	0	0	0	0	
F A\10	0	0	0	0	0	0	0	
OF Basin	0.453	0.453	12.079	0.03	0.02	20	0.75	AR&R 100 year, 9
Fout	3.719	3.719	5.42	0.172	0.18	38.4	1.04	AR&R 100 year, 9
F C\1	0.208	0.208	1.033	0.133	0.18	3.08	1.37	AR&R 100 year, 1.
F A\3	0.006	0.006	0.341	0.043	0.03	0.36	0.79	AR&R 100 year, 5
F A\4	0.005	0.005	0.339	0.04	0.03	0.33	0.73	AR&R 100 year, 5
F A\5	0.005	0.005	0.339	0.041	0.03	0.34	0.75	AR&R 100 year, 5
F A\6	0.005	0.005	0.339	0.041	0.03	0.34	0.74	AR&R 100 year, 5
F A\7	0.006	0.036	0.29	0.083	0.08	1.4	0.93	AR&R 100 year, 5
F D\1	0.126	0.126	0.339	0.115	0.14	2.47	1.25	AR&R 100 year, 1.
F E\1	0.059	0.059	0.339	0.092	0.1	1.7	1.13	AR&R 100 year, 1.
F F\1	0.017	0.017	0.339	0.063	0.06	0.75	1	AR&R 100 year, 1.
F H\1	0	0	0	0	0	0	0	
F J\1	0.006	0.04	0.296	0.085	0.08	1.47	0.95	AR&R 100 year, 5
F K\1	0.007	0.007	0.323	0.047	0.04	0.39	0.78	AR&R 100 year, 5
F M\1	0.008	0.008	0.518	0.042	0.05	0.35	1.14	AR&R 100 year, 5
F N\1	0.007	0.007	0.495	0.039	0.04	0.32	1.03	AR&R 100 year, 5
OF S1 A\1	0.001	0.001	1.039	0.024	0.01	0.2	0.51	AR&R 100 year, 5
OF S1 A\2	0	0	1.039	0	0	0	0	
OF S1 A\3	0	0	1.039	0	0	0	0	
OF S1 A\4	0.002	0.002	1.039	0.03	0.02	0.25	0.59	AR&R 100 year, 5
OF S1 A\5	0.008	0.008	1.039	0.049	0.04	0.41	0.83	AR&R 100 year, 5
OF S1 A\6	0.801	0.801	1.039	0.199	0.34	6.4	1.72	AR&R 100 year, 1.
OF S1 A\7	0.721	0.721	1.039	0.194	0.33	6.19	1.68	AR&R 100 year, 1.
OF S1 A\8	0.635	0.635	1.039	0.188	0.3	5.89	1.62	AR&R 100 year, 1.
OF S1 A\9	0.549	0.549	1.039	0.182	0.28	5.58	1.54	AR&R 100 year, 1.
OF S1 A\10	0.465	0.465	1.039	0.174	0.26	5.21	1.46	AR&R 100 year, 1.
OF S1 A\11	0.375	0.375	1.039	0.165	0.23	4.73	1.39	AR&R 100 year, 1.
F A\1	0.291	0.291	1.033	0.148	0.22	3.55	1.46	AR&R 100 year, 1.
F A\2	0.014	0.014	1.039	0.059	0.06	0.61	0.99	AR&R 100 year, 5
OF S1 B\1	0.02	0.02	1.039	0.066	0.07	0.84	1.04	AR&R 100 year, 5
OF S1 C\1	0.015	0.015	1.039	0.06	0.06	0.66	0.98	AR&R 100 year, 5
OF S1 D\1	0.01	0.01	1.039	0.052	0.05	0.43	0.88	AR&R 100 year, 5
OF BASIN 2	0.89	0.89	5.789	0.043	0.06	14.5	1.41	AR&R 100 year, 1.
OF BASIN 2	0	0	8.71	0	0	0	0	
OF Lot 2B	0	0	1.931	0	0	0	0	
F G\2	0.006	0.039	0.306	0.083	0.08	1.43	0.99	AR&R 100 year, 5
OF L/1	0	0	1.931	0	0	0	0	
F L\2	0.009	0.009	0.334	0.051	0.04	0.42	0.85	AR&R 100 year, 5
OF Lot 1C2	0	0	1.931	0	0	0	0	

DETENTION BASIN DETAILS

Name	Max WL	MaxVol	Max Q Total	Max Q Low Level	Max Q High Level
BASIN	60.86	3154.8	3.719	3.267	0.453
BASIN 2A2	70.54	1011.5	1.526	0.636	0.89
BASIN 2A1	68.93	494.9	0.403	0.403	0

CONTINUITY CHECK for AR&R 100 year, 1 hour storm, average 67.31 mm/h, Zone 1

Node	Inflow (cu.m)	Outflow (cu.m)	Storage Ch (cu.m)	Difference %
B\1	21.47	21.46	0	0.1
B\2	49.81	49.79	0	0.1
B\3	135.63	135.58	0	0
B\4	220.44	220.4	0	0
B\5	243.72	243.71	0	0
B\6	2274.76	2272.76	0	0.1
B\7	2289.43	2287.53	0	0.1
B\8	2343.89	2341.89	0	0.1
B\9	2416.49	2414.51	0	0.1
A\8	13837.42	13829.25	0	0.1
A\9	13829.25	13821.08	0	0.1
BASIN	24883.5	22957.34	1914.14	0
CREEK	22957.34	22935.2	0	0.1
C\1	31.66	31.63	0	0.1
A\3	4955.25	4957.7	0	0
A\4	5024.93	5024.78	0	0
A\5	5099	5098.85	0	0
A\6	5170.91	5170.76	0	0
A\7	11284.88	11278.58	0	0.1
D\1	34.66	34.65	0	0
E\1	39.02	39.01	0	0
F\1	37.58	37.58	0	0
H\1	77.54	77.53	0	0
J\1	39.02	39.01	0	0
K\1	40.46	40.45	0	0
M\1	44.86	44.81	0	0.1
N\1	44.97	44.94	0	0.1
N exist	11577.63	11577.63	0	0
S1 A\1	23.91	23.87	0	0.1
S1 A\2	23.87	23.87	0	0
S1 A\3	35.99	35.97	0	0
S1 A\4	64.94	64.92	0	0
S1 A\5	181.51	181.47	0	0
S1 A\6	3085.13	3085.04	0	0
S1 A\7	3180.46	3180.37	0	0
S1 A\8	3197.8	3197.7	0	0
S1 A\9	3254.68	3254.57	0	0
S1 A\10	3276.94	3276.82	0	0
S1 A\11	4812.73	4812.04	0	0
A\1	4837.55	4838.22	0	0
A\2	4895.03	4895.02	0	0
S1 B\1	78	77.98	0	0
S1 C\1	54.44	54.43	0	0
S1 D\1	41.81	41.8	0	0
G\1	2517.33	2517.33	0	0

BASIN 2A2	2907.8	2903.65	6.62	-0.1
BASIN 2A1	1549.12	1535.9	14.89	-0.1
LOT 1C	4606.53	4606.53	0	0
Lot 4 ex	826.65	826.65	0	0
Nout	22913.06	22913.06	0	0
2B	6045	6045.08	0	0
G\2	6084.24	6078.19	0	0.1
Lot4	1972.5	1972.5	0	0
L\2	2017.38	2015.37	0	0.1
Lot 1C 1B	11062.5	11062.39	0	0

Run Log for 12 run at 15:47:01 on 6/6/2012

No water upwelling from any pit. Freeboard was adequate at all pits.