

ATTACHMENT 9

SITE STORMWATER DRAINAGE MODELLING DATA AND RESULTS



OSD BASINS

Complied by:

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Project No. 2536F

Rev C

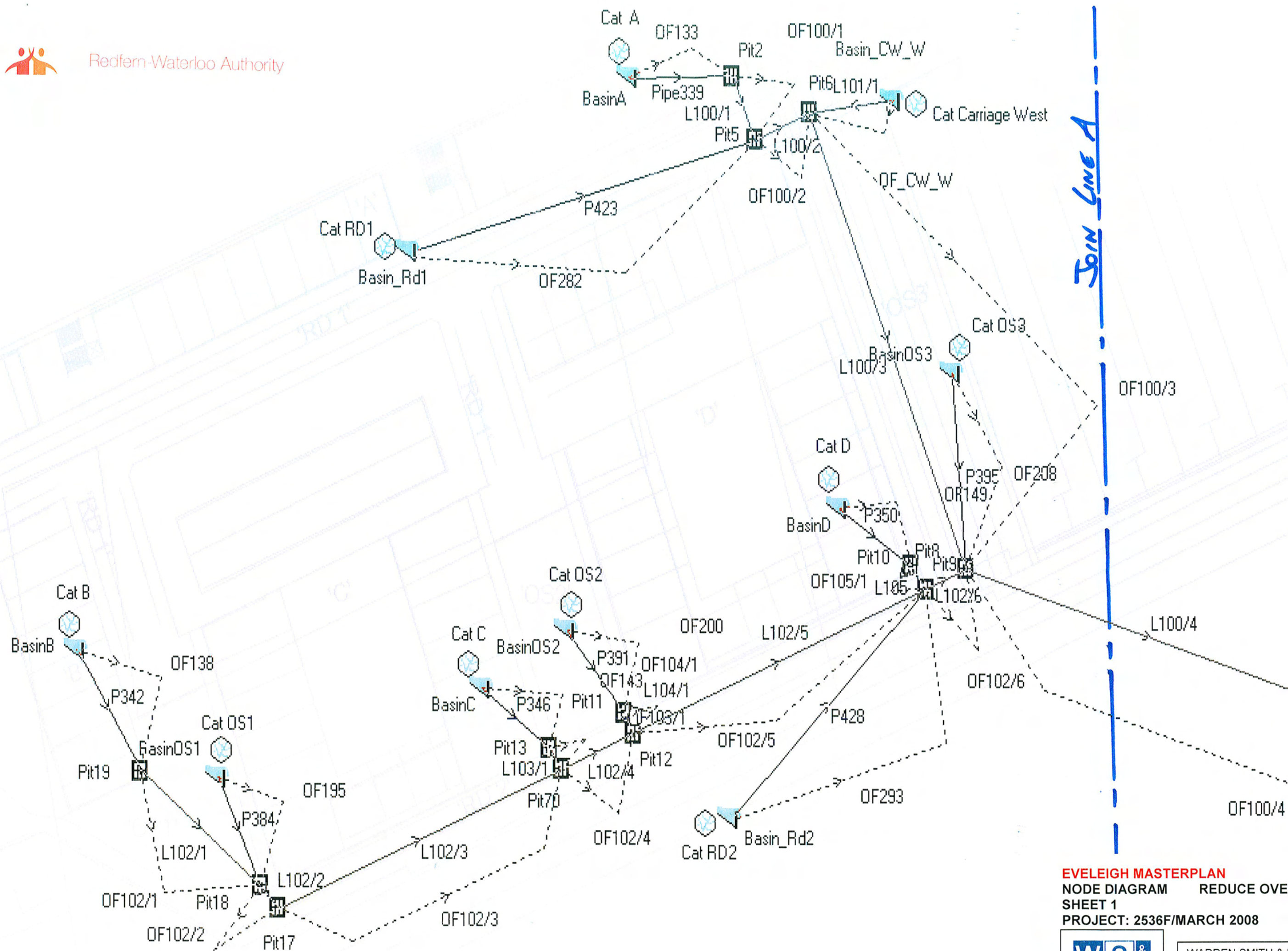
MODEL TO REDUCE OVERFLOW ACROSS RTA PROPERTY (With Increased Road Storage)

Location: REDFERN-WATERLOO AUTHORITY'S SITES

EVELEIGH

Description: STORMWATER DETENTION BASIN DETAILS

DATA INPUT									RESULTS		
Name	IL	TWL	Surf. Area	New Volume	Old Volume	Difference	Orifice Dia (mm)	Orifice Centre RL	Max WL	Req'd Vol	Max Q
BasinA	24.3	26.3	225	450	165	285	40	24.325	26.29	448	0.05
BasinB	24.14	26.14	100	200	70	130	50	24.165	25.96	181.5	0.007
BasinC	23.79	25.79	400	800	374	426	50	23.815	25.73	776.9	0.007
BasinD	23.25	25.25	400	800	500	300	50	23.275	25.14	754.9	0.007
BasinBS	23.61	25.61	150	300	176	124	100	23.66	25.45	275.6	0.028
BasinG	23.37	25.37	50	100	120	-20	200	23.47	25.03	83.1	0.086
BasinH	23.26	25.26	475	950	610	340	100	23.31	25.17	905.6	0.027
BasinF	23.26	25.26	75	150	200	-50	100	23.31	24.78	113.7	0.012
BasinK	24.8	26.8	130	260	120	140	100	24.85	26.69	246.2	0.028
BasinL	24.42	26.42	130	260	150	110	100	24.47	26.26	239.2	0.026
BasinM	24.69	26.69	130	260	156	104	100	24.79	26.59	247.3	0.028
BasinP	24.69	26.69	90	180	90	90	100	24.74	26.63	174.2	0.028
BasinOS1	23.86	26.18	606.67	95	89	6	28	24.874	26.16	82	0.003
BasinOS2	23.5	25.91	461.67	74	67	7	28	23.514	25.87	54	0.003
BasinOS3	23	24.72	2486	248	286	-38	70	23.035	24.71	211.9	0.013
BasinOS4	22.45	24.8	2232.5	226	221	5	100	22.5	24.79	194.1	0.03
BasinOS5	24.1	25.21	993.3	149	148	1	30	24.115	25.19	129.8	0.002
BasinOS6	23.86	25.29	835	126	124	2	60	23.89	25.23	79.2	0.008
BasinOS7	24.95	26	1146.7	172	172	0	40	24.97	25.99	165.4	0.003
Basin_CW_W	23.94	25.94	600	1200	N/A	1200	40	23.96	25.86	1154.1	0.004
Basin_Rd1	24.57	25.45	560	493	180	313	100	24.62	25.44	487	0.019
Basin_Rd2	23.55	24.43	350	308	180	128	80	24.59	24.37	289	0.006
TOTALS				7801	4198	3603			TOTALS	7293	0.425



EVELEIGH MASTERPLAN
NODE DIAGRAM REDUCE OVERFLOW
SHEET 1
PROJECT: 2536F/MARCH 2008



WARREN SMITH & PARTNERS

