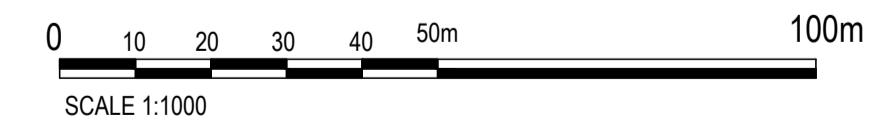


PIT / NODE DETAILS			SUB-CATCHMENT DETAILS					PIPE DETAILS												
Name	Type	Size	Pressure	Surface	Pit or Node	Total Area (ha)	Paved Area %	Grass Area %	Name	From	To	Length (m)	U/S IL (m)	D/S IL (m)	Slope (%)	Type	Dia (mm)	I.D. (mm)	Rough	
			Change Coeff. Ku	Elev (m)																
Pit1-0.Ex	OnGrade	GP with 2.4 m EKI	0.5	18.33	CatA	Basin1	0.606	100	0	Pipe1-0.Ex	Pit1-0.Ex	Pit1-1.Ex	59.6032	17.52	17.03	0.82	Concrete, under roads	375	375	0.3
Pit1-1.Ex	OnGrade	GP with 2.4 m EKI	0.5	17.82	CatB	Basin2	1.777	100	0	Pipe1-1.Ex	Pit1-1.Ex	Pit1-2.Ex	27.7714	17.03	16.36	2.41	Concrete, under roads	375	375	0.3
Pit1-2.Ex	OnGrade	GP with 2.4 m EKI	0.5	17.19	CatC	NC	0.248	50	50	Pipe1-2.Ex	Pit1-2.Ex	Pit1-3.Ex	4.59237	16.36	16.314	1	Concrete, under roads	450	450	0.3
Pit1-3.Ex	OnGrade	900 x 900 SEALED	1	17.21	CatD	ND	0.491	80	20	Pipe1-3.Ex	Pit1-3.Ex	Pit1-4.Ex	8.95816	15.549	15.37	2	Concrete, under roads	525	525	0.3
Pit1-4.Ex	OnGrade	900 x 900 SEALED	1.5	17.07	CatE	Pit1-5	0.119	100	0	Pipe1-4	Pit1-4.Ex	Pit1-5	3.65334	15.37	15.333	1.01	Concrete, under roads	525	525	0.3
Pit1-5	Sag	GP with 0.9 m EKI	1.5	17.05	CatF	Pit1-6	0.012	100	0	Pipe1-5	Pit1-5	Pit1-6	22.1	15.333	15.112	1	Concrete, under roads	600	600	0.3
Pit1-6	OnGrade	GP with 2.4 m EKI	0.7	16.63	CatG	NG	0.516	80	20	Pipe1-6	Pit1-6	Pit1-7	96.3685	15.169	14.398	0.8	Concrete, under roads	600	600	0.3
Pit1-7	OnGrade	900 x 900 SEALED	0.7	16.1	CatH	NH	1.664	80	20	Pipe1-7.Ex	Pit1-7	Pit1-8.Ex	95.027	14.398	13.638	0.8	Concrete, under roads	600	600	0.3
Pit1-8.Ex	Node	900 x 900 SEALED		15.7	CatI	PitJ	0.051	100	0	Pipe2-0.Ex	Pit2-0.Ex	Pit2-1.Ex	128.456	17.51	16.43	0.84	Concrete, under roads	375	375	0.3
Pit2-0.Ex	Sag	2x GP with 2.4 EKI	0.7	18.4	CatK	Pit2-1.Ex	0.105	100	0	Pipe2-1	Pit2-1.Ex	Pit2-2	11.8039	16.164	16.046	1	Concrete, under roads	600	600	0.3
Pit2-1.Ex	OnGrade	900x900 V-GRATE	0.7	17.35	CatL	Pit1-0.Ex	0.027	100	0	Pipe2-1.Ex	Pit2-1.Ex	Pit2-1.Ex	8.7	16.51	16.43	0.92	Concrete, under roads	375	375	0.3
Pit2-2	OnGrade	GP with 0.9 m EKI	0.5	17.15	CatM	Pit1-1.Ex	0.061	100	0	Pipe2-2	Pit2-2	Pit2-3	14.1761	16.046	15.904	1	Concrete, under roads	600	600	0.3
Pit2-3	OnGrade	GP with 2.4 m EKI	0.5	17.06	CatN	Pit1-2.Ex	0.026	100	0	Pipe2-3	Pit2-3	Pit2-4.Ex	60.3844	15.904	15.3	1	Concrete, under roads	675	675	0.3
Pit2-4.Ex	OnGrade	900 x 900 SEALED	0.5	16.45	CatP	Pit2-5.Ex	0.025	100	0	Pipe2-4.Ex	Pit2-4.Ex	Pit2-5.Ex	26.1798	15.3	15	1.15	Concrete, under roads	750	750	0.3
Pit2-5.Ex	OnGrade	GP with 2.4 m EKI	0.5	16.43	CatQ	NQ	0.34	80	20	Pipe2-5.Ex	Pit2-5.Ex	Pit2-6	12.5	14.998	14.863	1.08	Concrete, under roads	825	825	0.3
Pit2-6	OnGrade	GP with 2.4 m EKI	0.2	16.18	CatR	Pit2-0.Ex	0.056	100	0	Pipe2-6.Ex	Pit2-6	Pit2-7.Ex	16.9	14.863	14.68	1.08	Concrete, under roads	825	825	0.3
Pit2-7.Ex	OnGrade	GP with 2.4 m EKI	0.5	15.98						Pipe2-7.Ex	Pit2-7.Ex	Pit2-8.Ex	46.5	14.68	14.215	1	Concrete, under roads	525	525	0.3
Pit2-8.Ex	Node			15.59						Pipe3-1	Pit3-1.Ex	Pit2-4.Ex	18.6	15.6	15.3	1.61	Concrete, under roads	525	525	0.3
Pit3-1.Ex	Sag	GP with 2.4 m EKI	0.5	16.48						PipeA1	PitA1	PitA2	8.5	17.605	17.563	0.49	Concrete, under roads	375	375	0.3
Pit4-1.Ex	OnGrade	GP with 2.4 m EKI	0.7	17.32						PipeA2	PitA2	Pit1-0.Ex	8.5	17.563	17.52	0.51	Concrete, under roads	375	375	0.3
PitA1	OnGrade	2x 900 x 900 SEALED	0.5	18.5						PipeBAS2	Basin2	Pit2-6	40	15.279	14.879	1	Concrete, under roads	525	525	0.3
PitA2	OnGrade	900 x 900 SEALED	0.2	18.5						PipeBasin2	Basin1	PitA1	5.5	17.632	17.605	0.49	Concrete, under roads	375	375	0.3
PitC1.Ex	OnGrade	GP with 2.4 m EKI	1	16.65						PipeC	NC	PitC1.Ex	20	15.95	15.75	1	Concrete, under roads	450	450	0.3
PitC2.Ex	OnGrade	GP with 2.4 m EKI	1	16.66						PipeC1.Ex	PitC1.Ex	PitC2.Ex	12.3	15.75	15.666	0.68	Concrete, under roads	375	375	0.3
PitJ	Sag	GP with 0.9 m EKI	1.5	16.42						PipeC2.Ex	PitC2.Ex	Pit1-3.Ex	11.7	15.666	15.549	1	Concrete, under roads	450	450	0.3
NC	Node			18						PipeD	ND	Pit2-0.Ex	38.3	17.92	17.51	1.07	Concrete, under roads	375	375	0.3
ND	Node			20						PipeG	NG	Pit4-1.Ex	29.4	16.804	16.51	1	Concrete, under roads	375	375	0.3
NG	Node			17.5						PipeH	NH	Pit3-1.Ex	29.4	15.788	15.6	0.64	Concrete, under roads	525	525	0.3
NH	Node			17						PipeJ	PitJ	Pit2-4.Ex	2.28604	15.523	15.5	1.01	Concrete, under roads	375	375	0.3
NQ	Node			18						PipeQ	NQ	PitC2.Ex	20	15.749	15.549	1	Concrete, under roads	450	450	0.3

PIT / NODE DETAILS				SUB-CATCHMENT DETAILS					PIPE DETAILS						
Name	Max HGL	Max Surface Flow Arriving (cu.m/s)	Min Freeboard (m)	Overflow (cu.m/s)	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)	Name	Max Q (cu.m/s)	Max V (m/s)	Max U/S HGL (m)	Max D/S HGL (m)
Pit1-0.Ex	18.32	0.12		0.01	CatA	0.405	0.405	0	7	7	Pipe1-0.Ex	0.242	2.19	18.226	17.626
Pit1-1.Ex	17.63	0.089		0.19	CatB	1.12	1.12	0	10	10	Pipe1-1.Ex	0.286	2.59	17.567	16.98
Pit1-2.Ex	16.98	0.029		0.21	CatC	0.135	0.078	0.058	10	14	Pipe1-2.Ex	0.312	2.06	16.891	16.72
Pit1-3.Ex	16.72	0		0.49	CatD	0.293	0.247	0.046	10	14	Pipe1-3.Ex	0.438	2.02	16.515	16.367
Pit1-4.Ex	16.37	0		0.7	CatE	0.08	0.08	0	7	7	Pipe1-4	0.438	2.02	16.147	16.042
Pit1-5	16.04	0.08	0.7	1.01	CatF	0.008	0.008	0	7	7	Pipe1-5	0.503	1.81	15.908	15.698
Pit1-6	15.7	0.008		0.93	CatG	0.308	0.26	0.048	10	14	Pipe1-6	0.512	2.81	15.538	14.928
Pit1-7	14.93	0		1.17	CatH	0.992	0.839	0.155	10	14	Pipe1-7.Ex	0.513	2.81	14.767	14.035
Pit1-8.Ex	14.03	0.155		0.037	CatJ	0.037	0.037	0	5	7	Pipe2-0.Ex	0.231	2.09	18.356	17.005
Pit2-0.Ex	18.5	0.04	0.9	-0.1	CatK	0.076	0.076	0	5	7	Pipe2-1	0.514	1.82	16.904	16.808
Pit2-1.Ex	17.01	0.076		0.34	CatL	0.019	0.019	0	5	7	Pipe2-1.Ex	0.25	2.27	17.197	17.005
Pit2-2	16.81	0.013		0.34	CatM	0.044	0.044	0	5	7	Pipe2-2	0.524	1.85	16.739	16.639
Pit2-3	16.64	0		0.42	CatN	0.019	0.019	0	5	7	Pipe2-3	0.52	1.45	16.624	16.47
Pit2-4.Ex	16.47	0		-0.02	CatP	0.018	0.018	0	5	7	Pipe2-4.Ex	1.122	2.54	16.361	16.238
Pit2-5.Ex	16.24	0.605		0.19	CatQ	0.203	0.171	0.032	10	14	Pipe2-5.Ex	1.2	2.24	16.142	16.053
Pit2-6	16.05	0.484		0.13	CatR	0.04	0.04	0	5	7	Pipe2-6.Ex	1.652	3.09	15.961	15.711
Pit2-7.Ex	15.71	0.364		0.27							Pipe2-7.Ex	1.72	3.35	15.654	14.973
Pit2-8.Ex	14.97	0.244									Pipe3-1	0.646	2.98	16.676	16.47
Pit3-1.Ex	16.78	0.094	4.3	-0.3							PipeA1	0.214	1.94	18.629	18.552
Pit4-1.Ex	17.32	0		0							PipeA2	0.218	1.98	18.516	18.325
PitA1	18.72	0		-0.22							PipeBAS2	0.514	2.37	16.354	16.053
PitA2	18.55	0		-0.05							PipeBasin2	0.211	1.91	18.769	18.719
PitC1.Ex	16.75	0	4.3	-0.1							PipeC	0.136	0.85	16.8	16.75
PitC2.Ex	16.78	0.001	1.7	-0.12							PipeC1.Ex	0.115	1.05	16.75	16.783
PitJ	16.47	0.037	0.5	-0.05							PipeC2.Ex	0.212	1.33	16.748	16.72
NC	16.8	0.135									PipeD	0.292	2.64	19.198	18.5
ND	19.2	0.293									PipeG	0.307	2.78	17.915	17.32
NG	17.92	0.308									PipeH	0.991	4.58	17.837	16.78
NH	17.84	0.992									PipeJ	0.038	0.35	16.471	16.47
NQ	16.85	0.203									PipeQ	0.203	1.27	16.851	16.783



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No.	REVISION DESCRIPTION	DRAWN	DATE
D	REISSUED FOR APPROVAL	N.T.	23.04.13
C	ISSUED FOR APPROVAL	N.T.	04.03.13
B	AMENDED DATA TABLES	N.T.	13.04.12
A	PRELIMINARY	N.T.	02.04.12

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 LVL 1, 110 WALKER STREET NORTH SYDNEY NSW 2060

PROJECT TITLE: EASTLAKES TOWN CENTRE  
 GARDENERS ROAD  
 EASTLAKES NSW 2018  
 DRAWING TITLE: CATCHMENT PLAN, DRAINAGE DATA & RESULTS

PROJECT LEADER:		SIGNATURE:	
RJB			
DESIGNER:	NT		
DRAFTER/PERSON:	NT		
SCALE:	1:1000		
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DRAWING NO.:	DA015		
REVISION:			D