

PIT / NODE DETAILS

Version 15

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
PitA-1	OnGrade	Grated Pit	600x600		1.5	488.988		0	0
PitA-2	OnGrade	Grated Pit	600x600		1.5	488.698		0	0
PitA-3	OnGrade	Grated Pit	600x600		1.5	488.456		0	0
PitA-4	OnGrade	Grated Pit	600x600		1.5	488.292		0	0
PitA-5	OnGrade	Strip Drain	600x600		1.5	488.223		0	0
PitA-6	OnGrade	Junction Pit	Junction Pit or Manhole		1.5	488.008		0	0
A-7	Node					486.66		0	
PitC-1	OnGrade	Grated Pit	600x600		1.5	488.596		0	0
PitB-1	OnGrade	Grated Pit	600x600		1.5	488.3		0	0
PitD-1	OnGrade	Grated Pit	600x600		1.5	488.83		0	0
PitE-1	OnGrade	Grated Pit	600x600		1.5	488.855		0	0
PitF-1	OnGrade	Grated Pit	600x600		1.5	488.715		0	0
PitG-1	OnGrade	Grated Pit	600x600		1.5	488.382		0	0

DETENTION BASIN DETAILS

Name	Elev	Surf. Area	Not Used	Outlet Type	K	Dia(mm)	Centre RL	Pit Family	Pit Type
------	------	------------	----------	-------------	---	---------	-----------	------------	----------

SUB-CATCHMENT DETAILS

Name	Pit or Node	Total Area (ha)	EIA %	Perv Area %	RIA %	EIA Time (min)	Perv Time (min)	RIA Time (min)	EIA Length (m)
CatA-1	PitA-1	0.03	63	37	0	5	14.2644	0	20
CatA-2	PitA-2	0.031	80	20	0	5	11.0236	0	17
CatA-3	PitA-3	0.049	88	12	0	5	11.3217	0	21
CatA-4	PitA-4	0.038	87	13	0	5	10.0156	0	16
CatA-5	PitA-5	0.024	17	83	0	5	14.0791	0	6
CatC-1	PitC-1	0.022	41	59	0	5	13.6932	0	15
CatB-1	PitB-1	0.019	58	42	0	5	14.2644	0	15
CatD-1	PitD-1	0.015	60	40	0	5	12.8484	0	15
CatE-1	PitE-1	0.02	45	55	0	5	12.3807	0	15
CatF-1	PitF-1	0.024	38	62	0	5	13.6932	0	20
CatG-1	PitG-1	0.019	48	52	0	5	14.6212	0	20

PIPE DETAILS

Name	From	To	Length (m)	U/S IL (m)	D/S IL (m)	Slope (%)	Type	Dia (mm)	I.D. (mm)
PipeA1-A2	PitA-1	PitA-2	16.858	488.226	488.057		1 uPVC, not t	150	154
PipeA2-A3	PitA-2	PitA-3	20.675	488.027	487.82		1 uPVC, not t	150	154
PipeA3-A4	PitA-3	PitA-4	15.726	487.79	487.633		1 uPVC, not t	225	242
PipeA4-A5	PitA-4	PitA-5	5.251	487.603	487.55	1.01	uPVC, not t	225	242

PipeA5-A6	PitA-5	PitA-6	4.314	487.52	487.477	1 uPVC, not t	225	242
PipeA6-A7	PitA-6	A-7	74.691	487.447	486.7	1 uPVC, not t	225	242
PipeC1-A3	PitC-1	PitA-3	21.713	488.037	487.82	1 uPVC, not t	150	154
PipeB1-A5	PitB-1	PitA-5	22.34	487.773	487.55	1 uPVC, not t	150	154
PipeD1-A2	PitD-1	PitA-2	21.097	488.268	488.057	1 uPVC, not t	150	154
PipeE1-A2	PitE-1	PitA-2	25.677	488.314	488.057	1 uPVC, not t	150	154
PipeF1-A3	PitF-1	PitA-3	25.222	488.072	487.82	1 uPVC, not t	150	154
PipeG1-A5	PitG-1	PitA-5	24.758	487.798	487.55	1 uPVC, not t	150	154

DETAILS of SERVICES CROSSING PIPES

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

CHANNEL DETAILS

Name	From	To	Type	Length	U/S IL	D/S IL	Slope	Base Width	L.B. Slope
				(m)	(m)	(m)	(%)	(m)	(1:?)

OVERFLOW ROUTE DETAILS

Name	From	To	Travel	Spill	Crest	Weir	Cross	Safe Depth	SafeDepth
			Time	Level	Length	Coeff. C	Section	Major Storr	Minor Storr
			(min)	(m)	(m)			(m)	(m)
OFA1	PitA-1	PitA-2		0.1			4 m wide pa	0.3	0.15
OFA2	PitA-2	PitA-3		0.2			4 m wide pa	0.3	0.15
OFA3	PitA-3	PitA-4		0.1			4 m wide pa	0.3	0.15
OFA4	PitA-4	PitA-5		0.1			4 m wide pa	0.3	0.15
OFA5	PitA-5	PitA-6		0.1			4 m wide pa	0.3	0.15
OFA6	PitA-6	PitA-7		0.7			10 m roadv	0.3	0.15
OFC1	PitC-1	PitA-3		0.2			4 m wide pa	0.3	0.15
OFB1	PitB-1	PitA-5		0.2			4 m wide pa	0.3	0.15
OFD1	PitD-1	PitA-2		0.2			4 m wide pa	0.3	0.15
OFE1	PitE-1	PitA-2		0.2			4 m wide pa	0.3	0.15
OFF1	PitF-1	PitA-3		0.2			4 m wide pa	0.3	0.15
OFG1	PitG-1	PitA-5		0.2			4 m wide pa	0.3	0.15

PIPE COVER DETAILS

Name	Type	Dia (mm)	Safe Cover	Cover (m)
PipeA1-A2	uPVC, not t	154	0.3	0.48
PipeA2-A3	uPVC, not t	154	0.3	0.48
PipeA3-A4	uPVC, not t	242	0.3	0.39
PipeA4-A5	uPVC, not t	242	0.3	0.43
PipeA5-A6	uPVC, not t	242	0.3	0.28 Unsafe
PipeA6-A7	uPVC, not t	242	0.3	-0.29 Unsafe
PipeC1-A3	uPVC, not t	154	0.3	0.4

PipeB1-A5 uPVC, not t	154	0.3	0.37
PipeD1-A2 uPVC, not t	154	0.3	0.4
PipeE1-A2 uPVC, not t	154	0.3	0.38
PipeF1-A3 uPVC, not t	154	0.3	0.48
PipeG1-A5 uPVC, not t	154	0.3	0.43

This model has no pipes with non-return valves

x	y	Bolt-down id lid	Part Full Shock Loss	Inflow Hydrograph	Pit is	Internal Width (mm)	Inflow is Misaligned	Minor Safe Pond Deptl (m)
657536	6187826	No	7 1 x Ku	No	New			
657539.1	6187843	No	6 1 x Ku	No	New			
657542.9	6187863	No	5 1 x Ku	No	New			
657545.8	6187879	No	4 1 x Ku	No	New			
657546.8	6187884	No	30 1 x Ku	No	New			
657547.6	6187888	No	2 1 x Ku	No	New			
657473.9	6187901		32	No				
657521.5	6187867	No	10 1 x Ku	No	New			
657524.8	6187888	No	12 1 x Ku	No	New			
657518.3	6187847	No	35 1 x Ku	No	New			
657564.4	6187839	No	36 1 x Ku	No	New			
657567.8	6187859	No	37 1 x Ku	No	New			
657571.2	6187880	No	38 1 x Ku	No	New			

x	y	HED	Crest RL	Crest Leng	id
---	---	-----	----------	------------	----

Perv Length (m)	RIA Length (m)	EIA Slope(%) %	Perv Slope %	RIA Slope %	EIA Rough	Perv Rough	RIA Rough	Rainfall Multiplier
26	-1	1	1	1	-1	0.01	0.045	-1 1
12	-1	1	1	1	-1	0.01	0.045	-1 1
13	-1	1	1	1	-1	0.01	0.045	-1 1
9	-1	1	1	1	-1	0.01	0.045	-1 1
25	-1	1	1	1	-1	0.01	0.045	-1 1
23	-1	1	1	1	-1	0.01	0.045	-1 1
26	-1	1	1	1	-1	0.01	0.045	-1 1
19	-1	1	1	1	-1	0.01	0.045	-1 1
17	-1	1	1	1	-1	0.01	0.045	-1 1
23	-1	1	1	1	-1	0.01	0.045	-1 1
28	-1	1	1	1	-1	0.01	0.045	-1 1

Rough	Pipe Is	No. Pipes	Chg From	At Chg	Chg (m)	RL (m)	Chg (m)	RL (m)	etc (m)
0.012	New		1 PitA-1		0				
0.012	New		1 PitA-2		0				
0.012	New		1 PitA-3		0	2.469	488.407	12.469	488.314
0.012	New		1 PitA-4		0				

0.012 New	1 PitA-5	0	1.493	488.153		
0.012 New	1 PitA-6	0				
0.012 New	1 PitC-1	0	10	488.496	20	488.458
0.012 New	1 PitB-1	0				
0.012 New	1 PitD-1	0				
0.012 New	1 PitE-1	0				
0.012 New	1 PitF-1	0				
0.012 New	1 PitG-1	0				

etc

etc

R.B. Slope (1:?)	Manning n	Depth (m)	Roofed
---------------------	--------------	--------------	--------

Safe DxV (sq.m/sec)	Bed Slope (%)	D/S Area Contributing %	id	U/S IL	D/S IL	Length (m)
0.4	1.72	0	186	488.988	488.698	16.9
0.4	1.17	0	63	488.698	488.456	20.7
0.4	1.04	0	64	488.456	488.292	15.7
0.4	1.3	0	65	488.292	488.223	5.3
0.4	5	0	66	488.223	488.008	4.3
0.6	1.01	0	67	488.008	487.25	74.7
0.4	0.65	0	69	488.596	488.456	21.7
0.4	1.31	0	68	488.3	488.008	22.3
0.4	0.63	0	70	488.83	488.698	21.1
0.4	0.61	0	71	488.855	488.698	25.7
0.4	1.03	0	72	488.715	488.456	25.2
0.4	0.64	0	73	488.382	488.223	24.8