

F (AMERITED) Considerants Continues and the Beg (2011 - Related Modeling 1994), CRE - Avia: Contest of Continues of STLE Meson At July Supplier In (2014)

in the People His His Street

Figur McAugan: 1
1 Amount of Common and Proving 2011. Reside Makeling PREJECT TOURS DAWNING APPLY When, Asia, Jo Jines Jaka on Jewis March State of American State of American

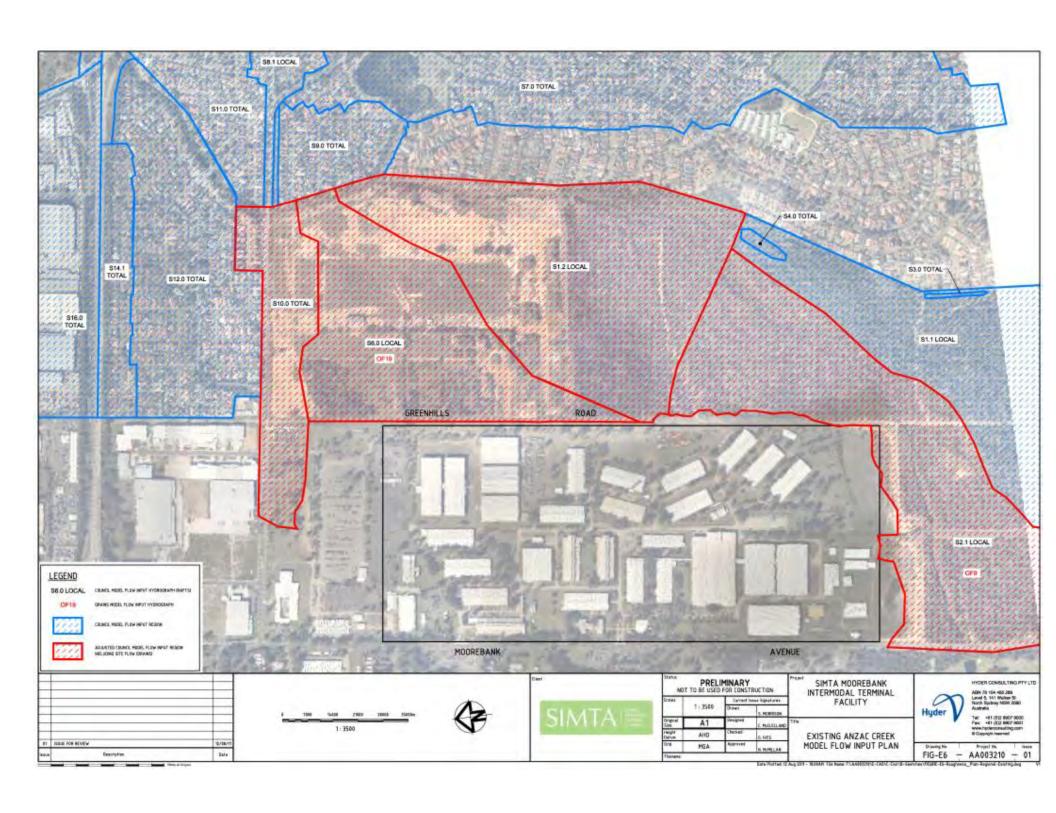
ANDAY TABLE WITH CHARGE STANDAY THE TABLE STANDA

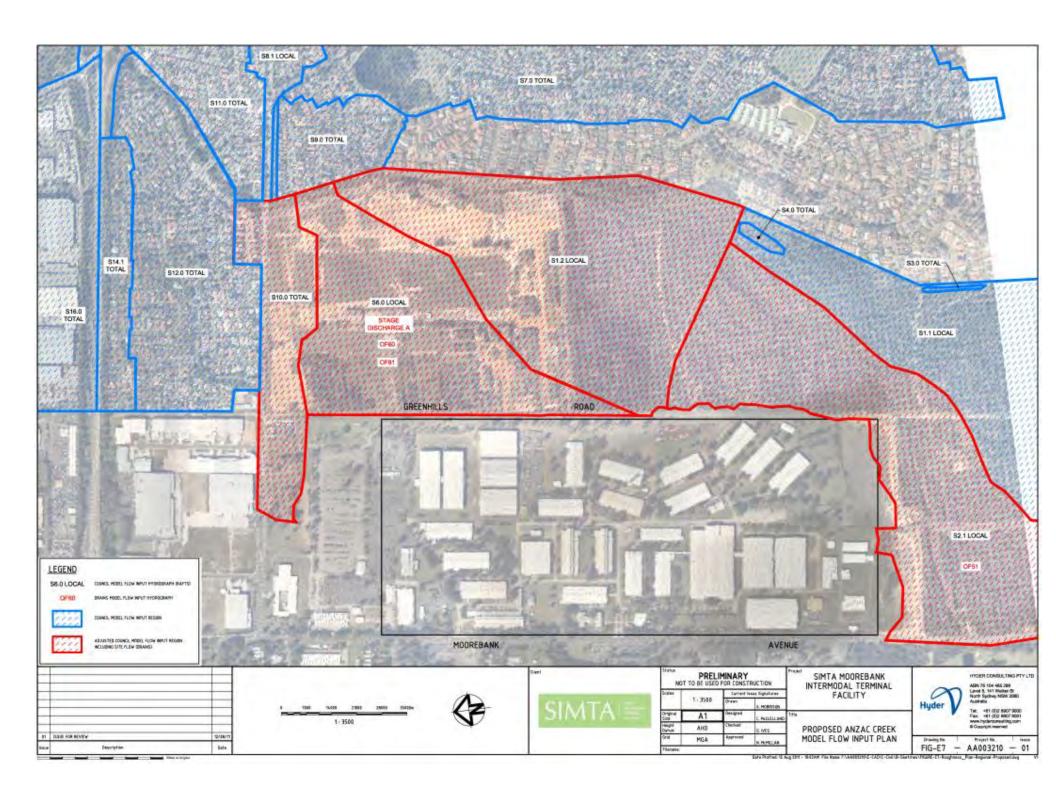
Tatus: Winds Francisco Mileda

to Provide



limin (0)

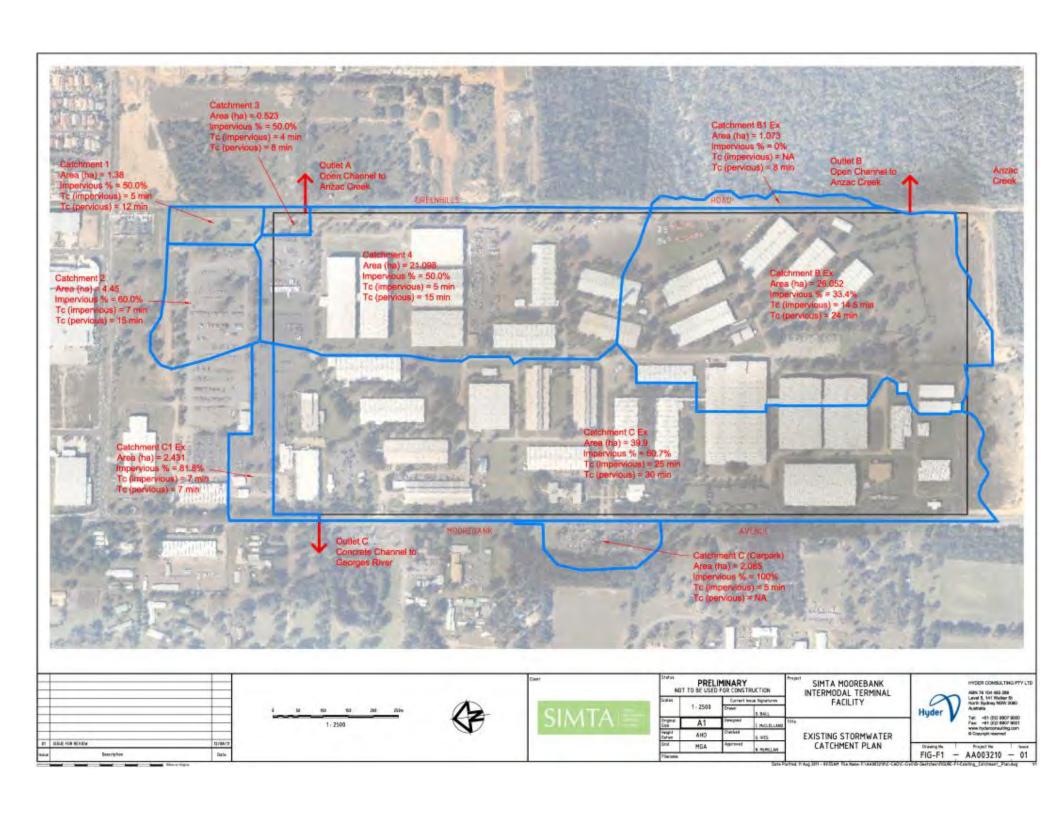


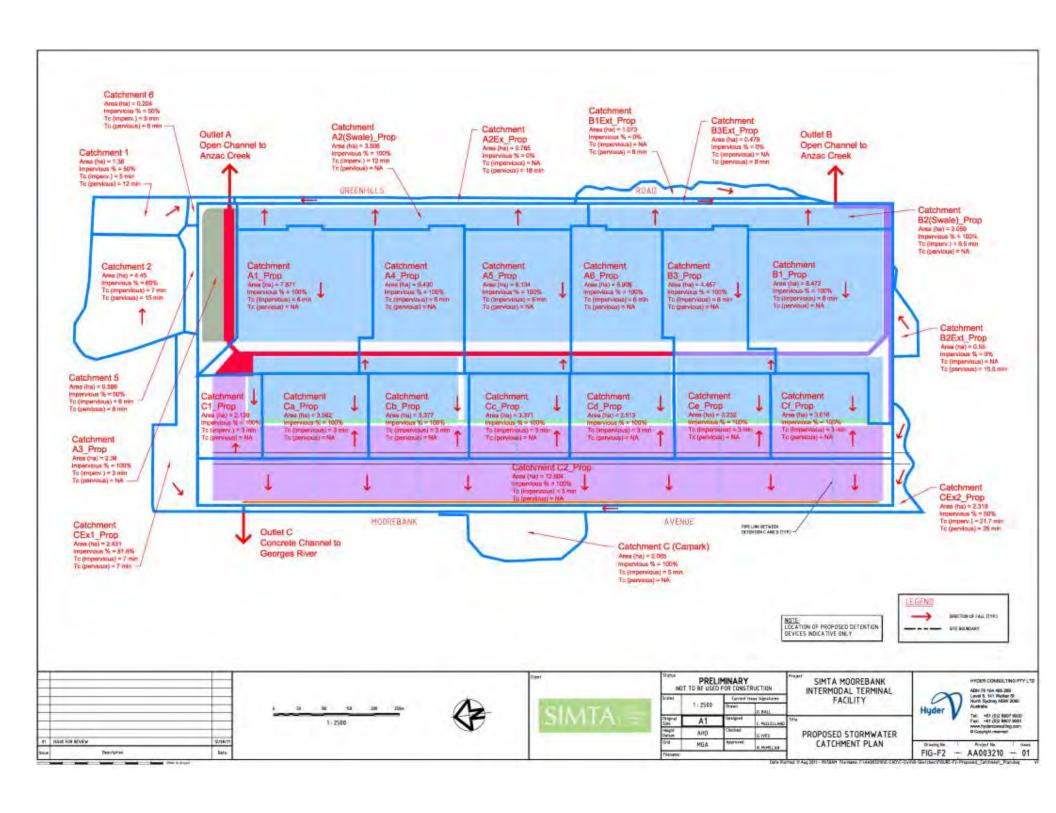


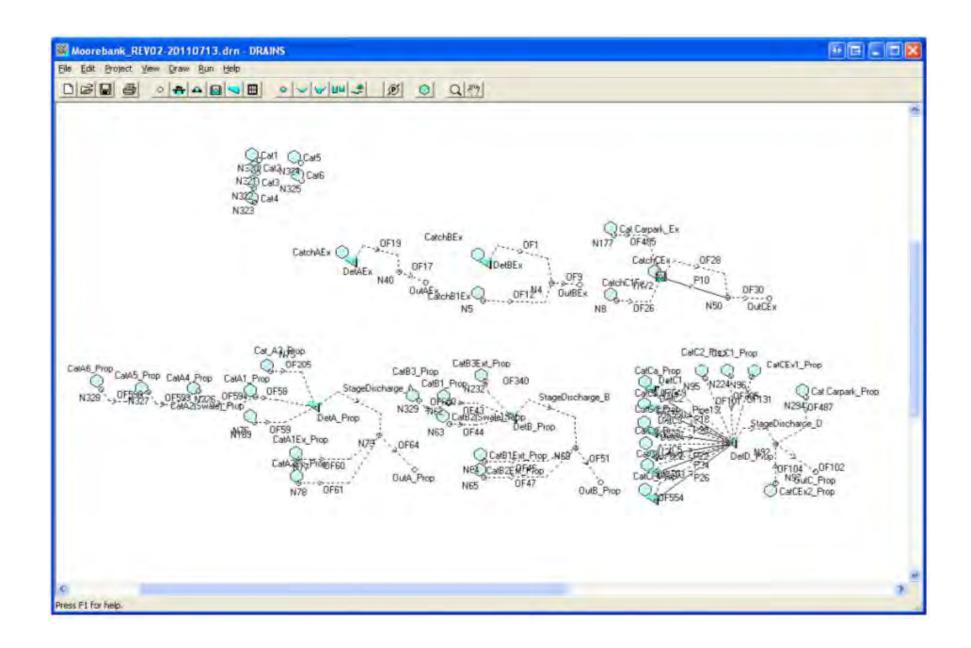


'Site only' DRAINS model inputs and results – existing and proposed conditions

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DRAINS Model News and Pills Pace: FLAXA0003 (D.G.C. Junjahren
DRAINS Version 2018 04 - 5 August 2019
Modelair's Noise: Press (Chilains
House (Chilains)
House (Chilains)

AAA000 (D.C.C. Anderson C.C.N.C. Correspond CMMNR Prof. PEAMment and (PEVCS 21) (D.C.L. on ... DISDA - S. August (2013) 2ml M.C.Delland

DATA

PIT / NODE DETAILS										_										
	- K		Version 9	-								-								-1
Name	Type	Family	Size	Ponding	Pressure	Surface	Max Pond	Base		x	у В		id	Part Full			-			
				Volume	Change	Elev (m)	Depth (m)	Inflow	Factor		lie	ď		Shock Loss						_
2	-		1	(cu.m)	Coeff Ku		100000	(cu.m/s)			-				-				-	-
14	Node					14		- 0		755,938	215.845		33							_
N5	Node		17					0			150	-	34		-					
NB.	Node							0		1000			37							
DutBEx	Node					13	D.E	0		861,978	209.629		1051047							
140	Node				11	14		0			258.088		4370447							
OutAE	Node							0		286.406	221.475	1	4370448		73					
DutGEx	Node							1 0		1568.098	160.549		5647966		1	1-1				
N62	Node						2.	- 0		372,322	-233.435		13086144							
N63	Node							10	3	375.778	-312.923	- 1	13086145							
V64	Node		7					1 0		505.378	451 163	-	13086146			-				_
V65	Node							1 0			-511.643		13086147							_
V69	Node	_		_	-			1 0		845.794	401.051	-	13086153				-		-	-
OutB_Prop	Node							1 0	1	937.378	629 023	-	13086154						_	_
Arts Prop		_	-	-	-			- + 0				-				_	-	_	-	-
175	Node						7.	- 0		-353.438			141115B1			_			-	_
176	Node							0		-356 B94	-306.011		14111582							
177	Node		11				3	0		-189 278			14111583			1				- 1
178	Node	1	11				1.	0		-192.734	-532.379		14111584	-		7 - 17				- 1
179	Node							1 0		111.394	-354.395		14111505							
DutA_Prop	Node	5 1	1				0"	0		242.722	480.539	- 1	14111586						71.0	- 1
92	Node					18		0		1591.596	-387.112		15137076							
AutC_Prop	Node				1	:10	V1	1 0	1	1743,309			15137077			_			\rightarrow	-
195		-				_		1 0		1331 362			15137086						-	-
ing	Node	_		_	-			1 2	1	1507.302	120 200	_	15137090	_				_	_	_
196	Node						4	- 0	1	1503,471	-135.322				_	_			_	_
197	Node							- 0		1591.586			15137091							
169	Node	-	1					- 0		-296,422	-113.077		46653709							
177.	Node	1	all a					0		990.6	397.15		51463360							
224 232	Node	1					1	0		1425.586	-133.112		66906726			1				
232	Node		1		11		1	0		507.444	-149.02		73934574					-		
W2	Headwall		7		0.5	14.2	T			1164.783			83086008							
W2 50	Node					16		1 0		1414,306	162 277		5647965							-
1294	Node		-	-	-	- 19		1 0		1705.992	-214 147		84070742					-	_	-
220	Node			-	1					-339 614			84400956			_	-		-	-
1320 1321 1322		_	_	_	-					-035,014	070,002		84400957				-		-	_
1321	Node	_			-			- 0		-345.374	628.022				_	-		_	_	_
1322	Node							- 0		-359.774			84400958							_
1323 1324	Node							- 0		-358.334			84400959							- 2
1324	Node		1				A.	0		-184,094	664.022		84400960			J				
1325	Node	1	01					. 0		-181,214	597.782		84400961		13				34.1	
1326	Node)	- 0		-564.6	-189.264		84402416							
1326 1327	Node						T.	0		-753 297	-193.411		B4402417							
V328	Node							0	1	-929.553			B4402418							
N329	Node	1	7					0		260.866			84402438		1					_
1000	- Totale						3			200.045	520.000		501145145							_
DETENTION BASIN DETAILS	_	_		-	1				+		_				_	-		_	-	_
	Pro-	Volume	Low Mad. Cont. mad.	C. Hat Time		Paramana and a second	Court of Bl	Da Familia	Par Trees			FD	Charle (III	Crest Length(m)	14		-	-	-	_
lame DetBE«	Elev 13.24	volume	Init Vol. (cu.m)	Ounet Type	N.	Dia(mm)	Centre RL	Pit Family	Pit Type	X	288.421 N	ED	CFOST ML	Crest Length(m)	ia	_	_		_	_
DetBEx				None			41 1-4			214 THR	288.421 N	0			48		\rightarrow		_	_
	13.3	0.015					1													
	13.4	0.19		-					A							>			-	
	13.5	4.388	15				F			- 1						-				
	13.6	23.299					ž.		1	1	1 7	7.7				1 1				
	13.7	70.52	1				[1]				1									- 4
							Di Contra di Con		ti ir											
	13.8	162.39			1		i.			1										
	13.9	162.39 326.236														-	-		-	-
	13.9	326.236			1	-			-											
	13.9	326,236 598,986																		-
	13.9 14 14.1	326.236 598.986 1061.17																		-
-	13.9 14 14.1 14.2	326.236 598.986 1061.17 1822.46																		#
	13.9 14 14.1 14.2 14.3	326.236 598.986 1061.17 1822.46 2998.53										- 4								ŧ
-	13.9 14 14.1 14.2 14.3 14.4	326.236 598.986 1061.17 1822.46 2998.53 4603.56										- 4								ŧ
	13.9 14 14.1 14.2 14.3 14.4 14.5	326,236 598,986 1061,17 1822,46 2998,63 4603,56 6835,68																		į
-	13.9 14 14.1 14.2 14.3 14.4 14.5	326.236 598.986 1061.17 1822.46 2998.53 4603.56 6635.68 9172.45																		
	13.9 14 14.1 14.2 14.3 14.4 14.5 14.6 14.7	326.236 598.986 1061.17 1822.46 2998.53 4603.56 6835.68 9172.45																		
	13.9 14 14.1 14.2 14.3 14.4 14.5	326.236 598.986 1061.17 1822.46 2998.53 4603.56 6835.68 9172.45																		
	13.9 14 14.1 14.2 14.3 14.4 14.5 14.6 14.7	326 236 598.986 1061.17 1822.46 2998.53 4603.56 6835.68 9172.45 12192.7																		
and Ex	13.9 14 14.1 14.2 14.3 14.4 14.5 14.6 14.7 14.8	326 236 598.986 1061.17 1822.46 2998.53 4603.56 6835.68 9172.45 12192.7) None						10.018	295.909 N	ia			4370434					
PVAE X	13.9 14 14.1 14.2 14.3 14.4 14.5 14.6 14.7 14.8 14.82	326 236 598.986 1061.17 1822.48 2998.63 4603.56 6835.68 9172.45 12192.7 15734.5		None						10.018	295.909 N	la			4370434					
etAEx	13.9 14 14.1 14.2 14.3 14.4 14.5 14.6 14.7 14.8 13.1	326 236 598,986 1061.17 1822.46 2998.53 4603.56 9172.45 12192.7 15734.5 16517.8) None						10.018	295.909 N	iq			4370434					
••AEX	13.9 14 14.1 14.2 14.3 14.4 14.5 14.6 14.7 14.8 13.1	326 236 598,986 1061.17 1822.46 2998.53 4603.56 9172.45 12192.7 15734.5 16517.8) None						10.018	295.909 N	la			4370434					
esAEx	13.9 14 14.1 14.2 14.3 14.4 14.5 14.6 14.7 14.8 14.82 13.1 13.1	326.236 598.986 1061.17 1822.46 2998.63 4603.56 8535.68 9172.45 12192.7 15734.5 16517.8 0 0.457 7.16 26.646) None						10.018	295.909 N	la			4370434					
etAEx	13.9 14.1 14.2 14.3 14.4 14.5 14.6 14.7 14.8 13.1 13.1 13.1 13.2 13.3	326.236 598.986 1061.17 1822.46 2998.53 4603.56 853.568 9172.45 12192.7 15.734.5 16517.8 0 0.457 7.16	1) None						10.018	295.909 N	iq			4370434					
esAEx	15.9 141 14.1 14.2 14.3 14.4 14.5 14.6 14.7 14.8 14.82 13.1 13.1 13.1 13.2 13.3	326.236 598.986 598.986 1961.17 1822.46 2998.63 4603.56 9172.45 12192.7 15734.5 16517.8 0 0.457 7.16 26.646 171.296) None						10.018	295.909 N	ia			4370434					
etAEx	13.9 14.1 14.1 14.2 14.3 14.4 14.5 14.6 14.7 14.8 13.1 13.1 13.1 13.2 13.3 13.4 13.5	326 236 236 358 986 986 986 986 986 986 986 986 987 987 987 987 987 987 987 987 987 987) None						10.018	295.909 N	ia			4370434					
etAEx	15.9 141 14.1 14.2 14.3 14.4 14.5 14.6 14.7 14.8 14.82 13.1 13.1 13.1 13.2 13.3	326.236 598.986 598.986 1961.17 1822.46 2998.63 4603.56 9172.45 12192.7 15734.5 16517.8 0 0.457 7.16 26.646 171.296) None						10.018	295.909 N	ia			4370434					
etAEx	13.9 144 14.1 14.2 14.3 14.4 14.5 14.6 14.7 14.8 15.1 15.1 15.2 15.3 15.1 15.3 15.1 15.3 15.1 15.3 15.1 15.3 15.3	326,236,236,236,236,236,236,236,236,236,		None						10.018	295.909 N	io			4370434					
VetAEx	13.9 14.1 14.1 14.2 14.3 14.4 14.5 14.6 14.7 14.8 13.1 13.1 13.2 13.3 13.4 13.5 13.7	326,236,236,236,236,236,236,236,236,236,		None						10.018	295.909 N	la			4370434					
etAEx	13.9 144 14.1 14.2 14.3 14.4 14.5 14.6 14.7 14.8 15.1 15.1 15.2 15.3 15.1 15.3 15.1 15.3 15.1 15.3 15.1 15.3 15.3	326,236,236,236,236,236,236,236,236,236,		None						10.018	295 909 N	ia			4370434					

1	14.2	4761.78			T- 1			1	T .											- 1	
DetB_Prop	14	4100.50		None	1	1		_	1	609.058	-288.731	No			13086138	-			-	-	
Cold_Frop	16			T				-		- OUL GEO	-200.101	110	1		1110000100						
DetA_Prop.	14		0	None						-130,906	-249.09	No	-		14111597						
	14.1	1109.05			1			-	1	750.00		-				5. 1.7					
	14.2	2410.8		1								-				P 11			1		
	14.3																				
	14.4	5088.29		-	1			r-				-									-
	14.5	6462.B2																			
	14.6	7861.27														11 -11	-				
	14.7	9283.71													100						
	14.0										1				100	11 11			-		
	14.9	12200.6	3													FE E G				- 1	
	15	13695.1		1.												1, 1,1					
	15.1	15213.7										-									
	15.2	16756.4																			
	15.3	18501.2													1	r ric			1	- 1	-
	15.4	20270.2	21					14				10000			1	N. L.					
	15.5	22063.6	4					-					-	-		4-14				-	
	15.6	23881.2 25723.3 27589.8			12			Co				-		Ci	. — 4	100				-	
	15.7	25723.3																			
	15.0	27589.8																			
	15.9	29480.9												1 11		11 115					
	16	31397						-							1	pri presi					
	16.1				-											21 11	-		-		
	16.2				-			-	-	11120 7	1000	-		-			-		-		
DetC1	15		- 0	Culvert	0.5					1129.186	-186.779	No			15137024	1 1	-				
	15.5	200	_													100	-		1		
Bulb Bir	16				-			_		1151 500	200.000	-			45457655	73 1.75	-		1		
DetD_Prop	14	4070		None	1			-		1431,552	-382.039	140			15137030	11 11					
D-W7	16			College		-				2121.05	257 544	No.			45497005	-	\vdash	_	-	\rightarrow	
DetC2	15.5	200	0	Culveri	0.6	1				1141 282	-257.627	NO			15137025	-	\vdash		-	\rightarrow	$\overline{}$
	15.5	200			-											-	-		-		
Dates	16			College	2.7	-		-	1	4450.000	344 007	414			45197000		\vdash		-	\rightarrow	
DetC3				Culvert	0.6			_		1136,098	-344.UZ/	NO			15137026	-	-		-	-	
	15,5	200		-	-	_		_							-	-				-	
0-10-1	15			Cultimate	0.5			_	-	1150 000	105155	11-	-		48457697	-	-		-	-	_
DetC4	15.5		- 4	Culvert	0.5			-		1136,098	-432.155	NO	-		15137027	-	-	_	-	-	
	16			-	-	-		-			-					-			-		
DetC5	15	900		Culvert	0.5			_		1141,282	400 DOX	Ne			15137028	-	-				-
Delta	15.5			Chivert	0.5	2		_		1191,282	-486.091	NO		-	3513/028				-		$\overline{}$
	15.5	600		_	-	_					-				_	-					
DetC6	15	000		Culvert	0.5	-			1	1137,826	E06 515	Medi			15137029	_			_	-	_
Deloc	15.5			Cdiver	- 0.4	4		_		1337,025	-000313	IVO	-		10151020	_	-	_	-	-	
	16		_	-						-		_	-		-	_	-		-		$\overline{}$
			_	-	1	_			1	-	_				-	_	-		-		
SUB-CATCHMENT DETAILS									1							_					
Name	Pitor	Total	Paved	Grass	Supp	Paved	Grass	Supp	Paved	Grass	Supp	Paved	Grass	Supp	Paved	@ass	Sono	Lao Time	Gulter	Gutter /	Gutter
y control.	Node		Area	Area	Area		Time	Time	Length	Length		Slope(%)									FlowFactor
	-	that	96	196	96.	(min)	(min)	(min)		(m)		%	96	%	Consult	.,	130000	VI. 7 (MV)	(m)	%	19.11.11.11.11
CatchB1Ex.	N5			100	1 0	3	1	Tarring.	1	10.7	47-4				-			- 0		-	
CatchC1Ex	NB	1.073						31												\rightarrow	
CatchBE			B1.6			7					+	-						- 0			
CatchAEx		2.431	B1.8 33.4	18.2	2 0		2								=			0			
CatB1_Prop	DetBEn DetAEx		33.4	18.3 66.0	2 0	14.5	24		2									0			
CatB2(Swale) Prop	DetBE# DetAEx N62	2,431 26,052 27,453 8,472	33.4	18.3 66.0	2 C	14.5 13.75 0 6	16		0									0			
	DetBEn DetAEx N62 N63	2,431 26,052 27,453 8,472 3,059	33.4 50 50 1 100 100	18.3 66.1 50	2 0 6 0 0 0	14.5 13.75 0 6	10											0			
CatB1Ext_Prop	DetBE« DetAE» N62 N63 N64	2,431 26,052 27,453 8,472 3,059 1,073	33.4 50 100 100 0	18.3 66.6 50 1 (2 0 6 0 0 0 0 0	14.5 13.75 0 6 0 9.5	16 3 9.1											0 0			
CatB1Ext_Prop CatB2Ext_Prop	DetBER DetAEx N62 N63 N64 N65	2.431 26,052 27,453 8.472 3.056 1.073 0.65	33.4 50 100 100 0	18.2 66.1 50 1 (2 0 6 0 0 0 0 0 0 0 0 0	14.5 13.75 13.75 10.95 10.95 10.85	16 3 9.1 15.1											000000000000000000000000000000000000000			
CatB1Ext_Prop CatB2Ext_Prop CatB1_Prop	DetBEe DetAEx N62 N63 N64 N65 N75	2.431 26,052 27,453 8.472 3.059 1.073 0.65 7.871	33.4 50 100 100 0 0 0	18.2 66.1 50 () 100 100	2 0 6 0 0 0 0 0 0 0 0 0 0 0	14.5 13.75 13.75 19.5 19.5 19.5 19.5 19.5 19.5 19.5 19.	16 8.1 15.1											0 0 0 0 0			
CatB1Ext Prop CatB2Ext Prop CatA1 Prop CatA2(Swale) Prop	DetBE: DetAEx N62 N63 N64 N65 N75 N76	2.431 26,052 27,453 8.472 3.056 1.073 0.65 7.871 3.506	33.4 50 100 100 0 100 100 100 100	18.3 66.1 50 100 100	2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	14.5 13.75 13.75 10 9.5 10 8.5 10 8.5 10 8.5 10 8.5 10 8.5 11 8.5 12 8.5 13 8.5 14 8.5 14 8.5 15 8.5 16 8.5 17 8.5 18 8.5	11 3 8.1 15 15											0 0 0 0 0 0			
CatB1Ext Prop CatB2Ext Prop CatA1 Prop CatA1(Swale) Prop CatA1(Ext Prop	DetBE DetAEx N62 N63 N64 N65 N75 N76 N77	2,451 26,052 27,463 8,472 3,056 1,073 0,65 7,871 3,506 6,611	33.4 50 100 100 0 100 0 100 100 100 100 46	18.7 66.0 50 10 100 100	2	14.5 13.75 6 9.5 0 9.5 0 8.5 0 8.5 0 12.2 143.2	11 8.1 15 15 11 8.3											0 0 0 0 0 0 0			
CatB1Ext Prop CatB2Ext Prop CatB2Ext Prop CatA1 Prop CatA2(Swale) Prop CatA1(Ext Prop CatA1Ext Prop	DetBE DetAEx N62 N63 N64 N65 N75 N76 N77 N78	2.451 26,052 27.453 8.472 3.056 1.073 0.65 7.871 3.506 6.611 0.785	33.4 50 100 100 0 100 100 100 100 46	18.3 66:1 50 (10 10 10 (5:4 5:4 10 10 10	2	14.5 13.75 6 9.5 9.5 10.6 10.6 10.1 12.0 10.1 10.1 10.1 10.1 10.1 10.1	11 3 8.1 15 15 1 3.1 18.1											0 0 0 0 0 0 0 0 0 0			
CatB1Ext_Prop CatB2Ext_Prop CatA1 Prop CatA2(Swale) Prop CatA1Ex_Prop CatA2Ex_Prop CatCa_Prop	DetBEss DetAEx N62 N63 N64 N65 N75 N76 N77 N78 DetC1	2.451 26,052 27,453 8.472 13,059 1,073 0,65 7,871 3,506 6,611 0,785	33.4 50 100 100 100 100 100 100 48 6 100	18.3 66.1 50 10 100 100 100 100 100 100 100 100	22 00 00	14.5 13.75 13.75 10.95 10.95 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 10.85 1	11 3 8.1 15 15 11 11											0 0 0 0 0 0 0 0 0			
Caltà Ext. Prop Caltà Ext. Prop Caltà Prop Caltà Exvale Prop Caltà Ext. Prop Caltà Caltà Prop Caltà Caltà Prop Caltà Caltà Prop Caltà Prop	DetBEs DetAEx N62 N63 N64 N65 N76 N77 N78 DetC1 DetC2	2.451 26,052 27,453 8.472 3.056 1.073 0.65 7.871 3.506 6.611 0.786 3.566 3.566	33.4 50 100 100 100 100 100 46 100 100	18.3 66.1 50 (100 100 (54 100	22 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	14.5 15.75 10 6 10 9.5 10 8.5 10 8.5 10 132 10 0 0	11: 3: 8.1 15: 11: 8.1											0 0 0 0 0 0 0 0 0 0			
CatB1Ext Prop CatB2Ext Prop CatB2Fx Prop CatB2 Prop CatB2 Prop CatB2 Prop CatB2 Prop CatB2 Prop CatB2 Prop CatCat Prop CatCat Prop CatCat Prop CatCat Prop CatCat Prop CatCat Prop	DetBEn DetAEx N62 N83 N64 N85 N76 N77 N78 DetC1 DetC2 DetC3	2.451 26,052 27,453 8.472 3.056 1.073 0.65 7.871 3.506 6.611 0.786 3.562 3.377	33.4 50 1 100 1 100 6 0 6 100 6 100 6 100 6 100 6 100 1 100	18.2 66:1 50 () 100 100 () 100 () 100 ()	2	14.5 13.75 10.16 10.66 10.95 10.85 10.85 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 10.11 1	11 3. 8.1 15 15 10 9.3 10											0 0 0 0 0 0 0 0 0 0 0			
Caltal Ext. Prop CattA1 Prop CattA2 Prop CattA2 (Swale) Prop CattA2 (Swale) Prop CattA2 Ext. Prop CattA2 Ext. Prop CattA2 Prop CattCa Prop	DetBEn DetAEx N62 N63 N64 N65 N75 N76 N77 N78 DetC1 DetC2 DetC3 DetC4	2,451 26,052 27,453 8,472 3,058 1,073 0,55 7,871 3,508 6,611 0,786 3,562 3,377 3,371	33.4 50 100 100 100 100 100 46 9 1 100 100 100 100	18:: 86:: 50: (100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100:: 100	2	14.5 13.76 10.6 10.9 10.9 10.8 10.8 10.8 10.8 10.8 10.8 10.8 10.8	11 11 11 11 11 11 11 11 11 11 11 11 11											0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			
CatB1Ext Prop CatB1Prop CatA1 Prop CatA1 Prop CatA2(Swals) Prop CatA2(Swals) Prop CatA2(Swals) Prop CatA2(Sb Prop CatCa) Prop CatCa CatCa Prop CatCa C	DetBEs DetAEx N82 N83 N84 N85 N76 N77 N78 DetC1 DetC2 DetC3 DetC4	2,451 26,052 27,453 8,472 3,056 1,073 0,55 7,871 3,506 6,611 0,785 3,565 3,377 3,377 3,573 3,573	33.4 50 100 100 100 100 100 100 48 100 100 100 100 100 100	18.2 86:1 50 (0 100 100 (100 (100 (100 (100 (100	22	14.5 13.76 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 1	11 11 11 11 11 11 11 11 11 11 11 11 11											0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			
Calibi Ext. Prop Calibi Ext. Prop Calibi Prop	DetBEII DetAEx NR2 NR3 NR4 NR5 N75 N76 N77 N77 DetC1 DetC3 DetC3 DetC4 DetC5 DetC6	2,451 26,052 27,453 8,472 3,056 1,073 0,65 7,873 3,506 6,611 0,786 3,565 3,377 3,377 3,513 3,232 3,616	33.4 500 1000 0 1000 1000 1000 448 9 1000 1000 1000 1000 1000	18.2 86.1 50 10 10 10 10 10 10 10 10 10 10 10 10 10	22	14.5 13.76 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 10.95 1	11 3 8.1 15.5 1 10 10 10 10 10 10 10 10 10 10 10 10 1											0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			
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Cattl Ext. Prop Cattle Ca	Det Ebe Det AE N62 N63 N64 N65 N65 N65 N65 N75 N76 N77 N79 Det C1 Det C2 Det C3 Det C5 N65 N66 N96 N97 N78 N78 N78 N77 N79 N79	2.451 26.652 27.455 8.472 3.0555 1.073 3.506 6.611 0.786 3.576 3.577 3.571 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.513 3.5	33.4 550 100 100 0 100 100 100 100	18.2 56 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	22	14.5 13.76 15.76 16.76 16.76 17.76 18.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.56 19.	11											0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			

DRAINS Input Data

at6	N325	0.204			0 0	6		3 0						-				1		
atA4 Prop	N326	5.43			0 0	9	ic - c	0	-		-									
atA5 Prop	N327	6.134			0 7	1 6		0		1	1				_	1				-
atA6 Prop	N328	5.908			0 /			0					_		1	1			4	
at83 Prop	N329	4 457			0 7			0		1	+			1	1	+	\vdash		1	\rightarrow
setus rrug	14020	4,407	10	¥	4	- 0		- 0		_	_		_	_	-	+	-		-	\rightarrow
mar artik b				-	1			_		-	-		_		-	+	1	-	-	-
PIPE DETAILS					-			-			-					-				-
Varne	From	To	Length	U/SIL		Slope	Туре	1	1.D.	Rough	Pipe is:	No. Pipes	Chg From	At Chg	Chg		Chg		etc	
	671	100 100	(m)	(m)		(%)		(mm)	(mm)		C1-16.5		hour	7	(m)	(m)	(m)	(m)	(m)	
Pipe13	DetC1	DetD_Prop			5 14	0.63	Bax Culverts	1.2W x 0.45H		0,3	Existing	2	DetC1	1				-		
7B	DetC2	DetD Prop	18	0 1	5 14	0.63	Bm Culverts	1,2W x 0.45H		0.3	Existing	2	DetC2	1 0)					
20	DetC3	DetD Prop			5 14		Box Culverts	1.2W x 0.45H			Existing	2	DetC3	1	1	1		-		
22	DetC4	DetD Prop			5 14		Bax Culverts	1.2W x 0.45H	_		Existing	- 3	DetC4	1		1			1	
24	DetC5	DetD Prop			5 14		Box Culverts	11.2W x 0.45H			Existing	-	DetC5	1 7	1	-	-	-	+	\rightarrow
								1.2W × 0.45H						1	-	+-	\leftarrow	-	+	_
26	DetC6	DetD_Prop			5 14		Box Culverts				Existing		DetC6	-	1	-	-	_	-	\rightarrow
70	HW2	N50	2	11.4	5 11.4	0.24	Box Culverts	2W x 1.8H		-0,2	Existing	- 2	HW2			-	_	-		
																-				
ETAILS of SERVICES CROSSING PIPES			Taranta and															-		
Pipe	Chg	Bottom	Height of Service	e Cha	Bottom	Height of Service	Cha	Bottom	Height of Service	etc										
	(to)	Elev (m)	(m)	(m)	Elev (m)		(m)	Elev (m)	(m)	etc										
		-		-	1			-	47.6											-
CHANNEL DETAILS	1			1	1			1		1						1				-
Name	From	To	Time	I month	Time ii	Die ii	Slees	Daniel Mark	D Clane	DO Ch-	Mannie -	Double	Roofed		_	+	\vdash	-	+	\rightarrow
vame	From	10	Туре	Length	U/SIL	D/S IL	Slope	Base Width		R.B. Slope	Manning		rooted		-	+	-	_	-	-
				(m).	(m)	(m)	(%)	(m)	(1:7)	(1.7)	n	(m)			-	-	-	_		_
Control of the Contro					4															
OVERFLOW ROUTE DETAILS				100		-		1		-						1				- 1
Name	From	To	Travel	Spill	Crest	Weir	Grass	Safe Depth	Safe Depth	Sale	Bed	D/S Area		id	U/SIL	DVS IL	Length	(m)		
			Time	Level	Langth	Coeff, C	Section	Major Storms		DeV	Slope	Contributing			11.7		-			
	E =		(min)	(m)	(m)			(m)	(m)	(sq.m/sec)		96.				-				
0F9	N4	OutBEx	0.		1		Dummy used to model flow across road low points	0.2	0.05			- 1		1051046	1	1			1	_
0612	N5	N4	0.					0.2	0.06			- 0	1	1575195		+	\vdash	_	1	-
					-	-	Dummy used to model flow across road low points									-	\leftarrow	-	+	_
0F26	NB	HW2	0		1	_	Dummy used to model flow across road low points	0.2				- 0	4	5847957		+-	-	_	-	_
DF1	DetBE	N4	0.				Dummy used to model flow across road low points	0.2						70					1	
DF18	DetAEx	N40	0		3		Dummy used to model flow across road low points	0.2	0.09			0		4370450						
0F17	N40	OutAEx	0.	1			Dummy used to model flow across road low points	0.2	0.08	0.6	1	- 0		4370448)				100	- 2
StageDischarge_B	DetB Prop	N69	0.		4		Dummy used to model flow across road low points	0.2	0.09					13086158		1				
DF43	N62	DetB Prop					Dummy used to model flow across road low points	0.2	0.06			0	1	13086141		+		_	+	-
0F44	N63	DetB Prop			+		Dummy used to model flow across road low points	0.2					1	13086142		+-	-	_	-	-
					-											+	-		-	_
0F46	N64	N69	0.		-		Dummy used to model flow across road low points	0.2						13086156		-	-	_	1	
DF47	N65	Ni69	4.7				Dummy used to model flow across road low points	0.2						13096157				-	-	
DF51	N69	OutB Prop					Dummy used to model flow across road low points	0.2						13098163				-		1
OF 58	N75	DetA Prop	0.				Dummy used to model flow across road low points	0.2	0.06	0,6		. 0		14111588	3					1
0F59	N76	DetA Prop	0.	1	-		Dummy used to model flow across road low points	0.2	0.08	0.6	1	0		14111589						1
)F60	N77	N79	0.	1			Dummy used to model flow across road low points	0.2	0.06	0.6	1	0		14111590						1
0661	N7B	N79	0		1		Dummy used to model flow across road low points	0.2				- 0	1	14111591		+	-	_	+	1
DF64	N79	OutA Prop			1	_	Dummy used to model flow across road low points	0.2					1	14111594		+	\vdash	_	+	
					4	_						- 4	+			+-	-	-	+	1
RageDischarge_A	DetA_Prop	N79	. 0.		4		Dummy used to model flow across road low points	0.2				- 0	1	14111593		-	-	-	1	1
0F549	DetC1	DetD_Prop				1.6	Dummy used to model flow across road low points	0.2						84388929		_				
tageDischarge D	DetD Prop		0,		4		Dummy used to model flow across road low points	0.2				0		15137075				-		
)F550	DetC2	DetD Prop	0		5 200		Dummy used to model flow across toad low points	0.2	0.05					84388930						
F551	DetC3	DetD_Prop	0.	1 16.2			Dummy used to model flow across road low points	0.2	0.05		- 1	0		84388931						
F552	DetG4	DetD_Prop					Dummy used to model flow across road low points	0.2	0.00) i	84388932						
F553	Det C5	DetD Prop					Dummy used to model flow across road low points	0.2	0.00					84388933		1				1
0F554	DetC6	DetD Prop					Dummy used to model flow across road low points	0.2	0.08				1	84388934		+		_	1	1
DF102					3	1,0						- 0	1	15137087		+	\leftarrow	-	-	1
	N92	OutC_Prop			+		Dummy used to model flow across road low points	0.2					1			+-	-	-	+	1
0F101	N95	DetD_Prop			1		Dummy used to model flow across road low points	0.2						15137089		_		_		1
F131	N96	DetD_Prop			41		Dummy used to model flow across road low points	0.2				.0		20006340						
F104	N97	N92	0:			1	Dummy used to model flow across road low points	0.2						15137089)			1		1
F205	N169	DetA Prop	0	1	1		Dummy used to model flow across road low points	0.2	0.09	0.6	1			46653710						1
F485	N177	HW2	0				Dummy used to model flow across road low points	0.2	0.09	0.6		0		84070745		-				1
F305	N224	OetD Prop			1		Dummy used to model flow across road low points	0.2	0.05				1	68906727	1	+			1	
F340					-				0.05				1	73934675	1	+	-	-	-	1
	N232	DetB Prop					Dummy used to model flow across road low points	0.2				- 0	-		-	-	-	-	-	1
0F28	HW2	N50	0.		2 20	1.6	Dummy used to model flow across road low points	0.2						5647963		-	-		1	1
F30	N50.	OUICEX	0				Dummy used to model flow across road low points	0.2				0		5647967		1				
)F487	N294	N92	0.				Dummy used to model flow across road low points	0.2	0.06	0,6	1	.0		64070747	1			-		1
F594	N326	N75	0.		1		Dunimy used to model flow across road low points	0.2	0.08	0.0				84402422						
DF583	N327	N326	0.		1		Dummy used to model flow across road low points	0.2				1	1	84402421		+		_	+	
					+			0.2				- 0	1			+-	-	_	+	1
0F590	N329 N329	N327 N62	0.		4		Dummy used to model flow across road low points.	0.2	0.09			- 0	1	84402419		-	-		-	1
OF600							Dummy used to model flow across road low points		0.06	0.6				84402436						

DRAINS Model	Name and F	ila Path	E 144003210V	D-Calculations\	C-Civil\Stormy	STANDRAINS	Post PEA\Moo	rebank_REV02-20	110713 drn		
DRAINS Version:	Haine and	2010.09 - 5 A		D-Calculation's	C-CIVING(OITIN	BICKURANIO	POSI PENNIOL	ACDUIN NEVOS 20	130213.011		
Modeller's Name:		Chris McClelli									
description:		Moorebank O	SD					1	7:-	T-	
RAINS results prep	pared 09 Augu	st, 2011 from 1	Version 2010.0	9						DECLI	TO
										RESUL	15
PIT / NODE DETAIL				Version 8						2 YEAR	ARI
Vame	Max HGL	Max Pond HGL	Max Surface Flow Arriving	Max Pond Volume	Min Freeboard	(cu.m/s)	Constraint		_	Z IL/III	2 11 (1
		HOL	(cu.m/s)	(cu.m)	(m)	(co.itirs)			_		
W2	12.34	5.744	(500)(00)		1.86	0	None	- 11	- 1		
150	11.97		0								
	0.57111.0							14.1			
SUB-CATCHMENT	Max	Paved	Grassed	Paved	Grassed	Supp	Due to Storm				
i di ne	Flow Q	Max Q	Max Q	Tc	To	Tc	CCC 10 CIGITO				
	(cu m/s)	(cu.m/s)	(cu.m/s)	(min)	(min)	(min)					
atchB1Ex	0.185	0		3	. 8			2 hours storm, av			
atchC1Ex	0.617	0.542	0.076	14.5	7 24			25 minutes storm			
atchBEx atchAEx	2.76 4.115	3.019	1.136	13.75	15			2 hours storm, av 25 minutes storm			
atB1_Prop	2.392	2.392	0	6	3			25 minutes storm.			
atB2(Swale)_Prop	0.785	0.785	0	9.5	8.5			25 minutes storm			
atB1Ekt_Prop	0.185	0	0.185	5	8			2 hours storm, av			
atB2Ext_Prop	0.06 2.222	2 222		8.5	15.5			2 hours storm av			
atA1_Prop atA2(Swale)_Prop	0.819	2.222	0	12	3			25 minutes storm 25 minutes storm			
atA1Ex_Prop	1.185	0,682	0.512	13.2	8.3			25 minutes storm			
atA2Ex_Prop	0.076	0	0.076	- 0	18	0	AR&R 2 year,	1 hour storm, ave	rage 33.7 mm/h	Zone 1	
CatCa_Prop	1.078	1.078	- 0	3				5 minutes storm.			
CatCb_Prop	1.022	1 022	.0	3	_			5 minutes storm,			
atCc_Prop CatCd_Prop	1.021	1.021	0	3	0			5 minutes storm,			
atCe_Prop	0.979	0.979	0	3				5 minutes storm.			
CatCf_Prop	1.095	1.095	0	3	0	0	AR&R 2 year.	5 minutes storm.	average 109 mm	n/h. Zone 1	
atC2_Prop	3.907	3.907	0	3	0			5 minutes storm			
atCEx1_Prop	0.617	0.542	0.076	21.7	7 25			25 minutes storm, a			
at_A3_Prop	0.721	0.721	0.007	3	0			5 minutes storm			
at Cerpark_Ex	0.618	0.618	0	5	0			25 minutes storm			
atC1_Prop	0.648	0.648	. 0	3	. 0			5 minutes storm			
atB3Ext_Prop	0.083	0	0.083	-0				2 hours storm, av			
Catch CEx	0.618	3.863 0.618	0.998	25	30			1 hour storm, ave			_
at Cerperk_Prop	0.279	0.192	0.09	5				1.5 hours storm.			
at2	0.869	0.727	0.147	7	15			25 minutes storm			
at3	0.117	0.072	0.045	- 4				1.5 hours storm, a			
at4	3,294	3.126	0.175					25 minutes storm			
at5	0.127	0.083	0.045	6				25 minutes storm 25 minutes storm			
CatA4_Prop	1.533	1.533	0.013	6				25 minutes storm			
CatA5_Prop	1.732	1.732	0	6				25 minutes storm.			
CatA6_Prop	1.668	1.668	0	6				25 minutes storm			
CatB3_Prop	1.258	1,258	. 0	- 6	3	0	AR&R 2 year,	25 minutes storm.	average 54.7 m	m/h, Zone 1	
					_	-			_		_
Dufflow Volumes for	Total Catchm	ent (156 imper	vious + 61.6 pe	ervious = 218 to	ital ha)		3 - 3		-		-
tom	Total Rainfall	Total Runoff	Impervious Ru	Pervious Runo	ff						
	cu.m	cu m (Runoff	cu m (Runoff '	cu.m (Runoff 9	6)						
R&R 2 year, 5 min R&R 2 year, 10 mil				107.67 (1.9%)							
R&R 2 year, 10 mil				1021 22 (11.99)					-		
R&R 2 year, 20 mi				3294.72 (26.29							
R&R 2 year, 25 mi	49700.61	38202.99 (76	34102.68 (95.4	4100.31 (29.2)	%)						
R8R 2 year, 30 mi				4552.62 (29.79				125,1			1
R&R 2 year, 45 mi R&R 2 year, 1 hou				5922.79 (32.29 6956.94 (33.59					_		
R&R 2 year, 1.5 hd				7922.08 (32.69					_		
R&R 2 year, 2 hou	95948.54	76033.59 (79	67292.29 (97.	8741.31 (32.39	%)						
R&R 2 year, 3 hou				9779.50 (31.39				- 115			
R&R 2 year. 4.5 ho	127567.9	99997.64 (78	89984:34 (98:	10013.30 (27.8	396)				-		
IPE DETAILS									-		
ame	Max O	Max V	Max U/S	Max D/S	Due to Storm						1
	(cu.m/s)	(m/s)	HGL (m)	HGL (m)							-
ipe13	1.018	1.5						54.7 mm/h. Zone 1			
18	0.964	1.4	15.284 15.284					54.7 mm/h, Zone 1 54.7 mm/h, Zone 1			
22	1.004	1.5						54.7 mm/h, Zone 1			
24	0.921	1.4	15.283					54.7 mm/h, Zone 1			
26	1.034	1.5	15.292	15,273	AR&R 2 year	25 minutes st	form, average	54.7 mm/h, Zone 1			
10	5.744	2.5	12.017	11.967	AR&R 2 year.	1.5 hours sto	rm, average 26	3.3 mm/h, Zone 1			
HANNEL DETAIL				- 11							
HANNEL DETAILS	Max Q	Max V	Chainage	Max	Due to Storm			- 1	-		
MI III	(cu.m/s)	(m/s)	(m)	HGL (m)	Pac to dinitu			111			
		1224									
VERFLOW ROUT											
	Max Q U/S	Max Q D/S	Safe Q	Max D	Max DxV	Max Width		Due to Storm			
F9	0.4	0.4	0.256	0.06	0.04	15.94				age 22 mm/h. Zone 1	
)F12)F26	0.185	0.165	0.256	0.044	0.03	12.89				age 22 mm/h. Zone 1 verage 54.7 mm/h. Zo	one 1
OF1	0.279	0.279		0.052	0.03	14.33				age 16.9 mm/h, Zone	

OF17												
Demon Division of	2.424	2.424	0.256	0.125	0.15	29.06	1.21	AR&R 2 year,	1.5 hours sto	rm, average 2	5.3 mm/h, Zon-	e 1
StageDischarge_B	0.15	0.15	0.256	0.041	0.02	12,17					3 mm/h, Zone	
OF43	3.635	3.635	0.256	0.148	0.2	33.55	1,34	AR&R 2 year,	25 minutes st	form, average	54.7 mm/h, Zo	ne 1
OF44	0.785	0.785	0.256	0.079	0.07	19.72					54.7 mm/n. Zo	
OF46	0.185	0.185	0.256	0.044	0.03	12.89				, average 22		1
OF47	0.06	0.06	0.256	0.029	0.01	9.73				average 22		
	0.297	0.297	0.256	0.053	0.04							
OF51						14.69				n, average 22 i		one i
OF58	7.046	7.046	0.256	0.194	0.31	42.71					54.7 mm/h, Ze	
OF59	0.819	0,819	0.256	0.08	0.07	20.08					54.7 mm/n. Zo	
OF60	1.185	1.185	0,256	0.094	0.09	22.77					54.7 mm/h, Zo	one 1
OF61	0.076	0.076	0.256	0.032	0.01	10.38				average 33.7		
OF64	1.687	1.687	0.256	0.108	0.12	25.64	1.09	AR&R 2 year,	2 hours storm	n, average 22 i	mm/h, Zone 1	
StageDischarge_A.	0.644	0.644	0.256	0.072	0.06	18.46	0.86	AR&R 2 year,	4.5 hours sto	rm, average 13	3 mm/h, Zone	1
OF549	0	0	0.256	. 0	0	0	0				, T	
Stage Discharge_D	2.895	2.895	0.256	0.135	0.17	31.03	1.25	AR&R 2 year.	2 hours storm	i, average 22 i	mm/h, Zone 1	
OF550	0	0	0.256	0	0	0	0	-		7		
OF551	0	0	0.256	0	0	0	0			7		
OF552	0	0	0.256	. 0	0	. 0	. 0				1	
OF553	Ö		0.256	Ō		Ō	0					
OF554	0		0.256	0		0	0					
OF102	3.427	3.427	0.256	0.144	0.19	32.83			1.5 hours sto	rm average N	3.3 mm/h, Zon	0.1
OF101	3.907	3.907	0.256	0.152	0.21	34.44					09 mm/h. Zone	
OF131	0.617	0.617	0.256	0.071	0.06	18.28					54.7 mm/h, Zo	
OF104	0.268	0.268	0.256	0.051	0.03	14.15					5.3 mm/h, Zon	
OF205	0.721	0.721	0.256	0.076	0.07	19.18					09 mm/h, Zon	
OF485	0.618	0.618	0.256	0.071	0.06	18.28					54.7 mm/n. Zo	
OF305	0.648	0.648	0.256	0.073	0.06	18.64					09 mm/h. Zone	e 1
OF340	0.083	0,083	0.256	0.033	0.02	10.56		AR&R 2 year.	2 hours storn	average 22	nm/h, Zone 1	
OF28	0	0	0.256	.0	-0	0	0					
OF30	5.744	5.744	0.256	0.178	0.27	39.65					5.3 mm/h. Zon-	
OF487	0.618	0.618	0.256	0.071	0.06	18.28	0.84	AR&R 2 year,	25 minutes st	torm, average	54.7 mm/h, Zo	one T
OF594	4:88	4.88	0.256	0.167	0.24	37.32	1.44	AR&R 2 year,	25 minutes st	form, average	54.7 mm/h, Zo	ne 1
OF593	3.38	3.38	0.256	0.143	0.19	32.65	1.32	AR&R 2 year.	25 minutes st	torm, average	54.7 mm/n. Zo	ine 1
OF590	1.668	1.668	0.256	0.107	0.12	25.46					54.7 mm/h, Zo	
OF600	1.258	1.258	0.256	0.096	0.1	23.13					54.7 mm/h, 2c	
-		5,415	31300	3.1.2.		-		7-10				
		-		-								
DETENTION BASIN D	DETAILS			/								
	Max WL	MaxVol	Max Q	Max Q	Max Q			_				
IV.			Total	Low Level	High Level							
DetBEx	14.41	4876.2	0.279	LOW Level	0.279							
DetAEx	14.03	2581.4	2.424	0			_	_	_	_		
						-	_	-				
DetB_Prop	14.84	7513.2	0.15	0								
DetA_Prop	14.83	11146	0.644	-0								
DetC1	15.4	158,6	1.018	1.018	0						, ,	
DetD_Prop	15,27	6864.5	2.895		2.895							
DetC2	15.38	152.9	0.964	0.964	- 0		1					
DetC3	15.38	152.7	0.962	0.962	-0							
DetC4	15.39	157.1	1.004	1.004	-0				1			
DetC5	15.37	148.3	0.921	0.921	0			1	-			-
DetC6	15.4	160,2	1.034	1.034	0							
CONTINUITY CHECK	for AR&R 2	year, 2 hours	storm, average	22 mm/h, Zon	e 1				_	1		
Node In	nflow	Outflow	Storage Chan	Difference	- "							
(0	cu.m)	(cu.m)	(cu.m)							+ 1		
N4	2738.34	(co.til)		96	-							
N5	10100	2736 34	0	% 0								
	154.26			% O								
N8	918.79	2736 34 154.26	0									
N8 DetBEx		2736 34	0	0								
	918.79	2736 34 154.26 918.79 2587 98	0 0 0	0								
DetBEx	918.79 6196.01	2736 34 154.26 918.79 2587 98	0 0 0 3610.1	0								
DetBEx OutBEx DetAEx	918.79 6196.01 2734.44 7860.27	2736 34 154.26 918.79 2587 98 2734.44 7860.33	0 0 0 3610.1 0	0 0 0 0								
DetBEx OutBEx DetAEx N40	918.79 6196.01 2734.44 7860.27 7860.33	2736 34 154.26 918.79 2587 98 2734.44 7860.33 7860.33	0 0 0 3610.1	0 0 0 0 0								
DetBEx OutBEx DetAEx N40 OutAEx	918.79 6196.01 2734.44 7860.27 7860.33 7860.33	2736 34 154.26 918.79 2587 98 2734.44 7860.33 7860.33	0 0 0 3610.1 0 0 0	0 0 0 0 0								
DetBEx OutBEx DetAEx N40 OutAEx OutCEx	918.79 6196.01 2734.44 7860.27 7860.33 7860.33	2736 34 154.26 918.79 2587 98 2734.44 7860.33 7860.33 7860,33	0 0 0 3610.1 0 0 0	0 0 0 0 0 0 0								
DetBEX OutBEX DetAEX N40 OutAEX OutCEX DetB_Prop	918.79 6196.01 2734.44 7860.27 7860.33 7860.33 14438.72 6943.71	2736 34 154.26 918.79 2587 98 2734.44 7860.33 7860.33 14438.72 1187.58	0 0 3610.1 0 0 0 0 0 0 5757.1	0 0 0 0 0 0 0								
DetBEX OutBEX DetAEX N40 OutAEX OutCEX DetB_Prop	918.79 6196.01 2734.44 7860.27 7860.33 7860.33 14438.72 6943.71 5559.47	2736 34 154.26 918.79 2587.98 2734.44 7860.33 7860.33 7860,33 14438.72 1187.58 5559.47	0 0 3610.1 0 0 0 0 0 5757.1	0 0 0 0 0 0 0 0								
DetBEX OUIBEX DetAEX N40 OUIAEX OUICEX DetB_Prop N62 N63	918.79 6196.01 2734.44 7860.27 7860.33 7860.33 14438.72 6943.71 5559.47	2736 34 154.26 918.79 2587.98 2734.44 7860.33 7860.33 14438.72 1187.58 5559.47	0 0 3610.1 0 0 0 0 0 5757.1	0 0 0 0 0 0 0 0								
DetBEX OutBEX DetAEX NH40 OutAEX OutCEX DetB_Prop N62 N63 N64	918.79 6196.01 2734.44 7860.27 7860.33 7860.33 14438.72 6943.71 5559.47 1315.37	2736 34 154.26 918.79 2587 96 2734 44 7860 33 7860 33 14438.72 1187.58 5559.47 1315.37	0 0 3610.1 0 0 0 0 0 5757.1 0	0 0 0 0 0 0 0 0 0 0								
DetBEX OUBEX DetAEX N40 OUAEX OUAEX OUTEX DetB_Prop N62 N63 N64 N65	918.79 6196.01 2734.44 7860.27 7860.33 7860.33 14438.72 6943.71 5559.47 1315.37 154.26 78.4	2736 34 154.26 919.79 2567 98 2734.44 7860.33 7860.33 14438.72 1187.58 5559.47 1315.37 154.26	0 0 3610.1 0 0 0 0 0 5757.1 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								
DetBEX OUIBEX DetAEX NH40 OUIAEX OUICEX DetB_Prop N62 N63 N64 N65 N69	918.79 6196.01 2734.44 7860.27 7860.33 7860.33 14438.72 6943.71 5559.47 1315.37 154.26 78.4	2738 34 154.26 918.79 2567 98 2734.44 7860.33 7860.33 14438.72 1187.58 5559.47 1315.37 154.26 78.4	0 0 0 3610.1 0 0 0 0 5757.1 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								
DetBEX OUIBEX DetAEX N40 OUIAEX OUICEX DetB_Prop N62 N63 N64 N65 N69 OUIB_Prop	918.79 6196.01 2734.44 7860.27 7860.33 7860.33 14436.72 6943.71 5559.47 1315.37 154.26 78.4 1418.31	2736 34 154.26 919.79 2557.96 2734.44 7860.33 7860.33 7860.33 14438.72 1187.58 5559.7 1315.37 154.26 78.4 1418.31	0 0 0 3610.1 0 0 0 0 5757.1 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								
DetBEX OUBEX DetAEX N40 OUTAEX OUTAEX OUTAEX OUTAEX N62 N63 N64 N65 N69 OUTBEProp N75	918.79 6196.01 2734.44 7860.27 7860.33 7860.33 14435.72 6943.71 15559.47 1315.37 154.26 78.4 1418.31 1416.37	2736 34 154.26 918.79 2557 98 2734.44 7860.33 7860.33 7860.33 14438.72 1167.58 5559.47 1315.37 78.4 1418.31 1418.31 1418.31	0 0 3610.1 0 0 0 0 0 5757.1 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								
DetBEX OutBEX DetAEX N40 OutAEX OutCEX DetB_Prop N62 N63 N64 N65 N69 OutB_Prop N75 N76	918.79 6196.01 2734.44 7860.27 7860.33 7860.33 14438.72 6943.71 5559.47 1315.37 78.4 1418.31 14416.37 10897.49	2738 34 154.26 918.79 2587 98 2734.44 7860.33 7860.33 7860.33 14438.72 1187.58 9559.47 1315.37 154.26 78.4 1418.31 1418.31 1418.37 10.897.5	0 0 0 3610.1 0 0 0 0 5757.1 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								
DetBEX OutBEX DetAEX NH40 OutAEX OutCEX DetB_Prop N62 N63 N64 N65 N69 OutB_Prop N75 N76 N77	918.79 6196.01 2734.44 7860.27 7860.33 7860.33 14436.72 6943.71 5559.47 1315.37 154.26 78.4 1418.31 1416.37 1697.49 1697.49 1697.58 1820.55	2736 34 154.26 918.79 2557.98 2734.44 7860.33 7860.33 7860.33 14438.72 1187.58 5559.47 1315.37 154.26 78.4 1418.31 1416.37 10897.5 1507.58	0 0 3610.1 0 0 0 0 0 5757.1 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								
DetBEX OutBEX DetAEx N40 OutAEx OutAEx DetB_Prop N62 N63 N64 N65 N69 OutB_Prop N75 N76 N77	918.79 6196.01 2734.44 7860.27 7860.33 7860.33 7860.33 7859.47 1315.37 154.26 78.4 1418.31 1416.37 10897.49 1507.58 1820.55 111.59	2736 34 154.26 918.79 2587.98 2734.44 7860.33 7860.33 7860.33 14438.72 1187.58 5559.47 1315.37 154.26 78.4 1418.31 1418.31 1418.31 1418.31 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150	0 0 0 3610.1 0 0 0 0 5757.1 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								
DetBEX OutBEX DetAEX NH40 OutAEX OutCEX DetB_Prop N62 N63 N64 N65 N69 OutB_Prop N75 N76 N77	918.79 6196.01 2734.44 7860.27 7860.33 7860.33 14436.72 6943.71 5559.47 1315.37 154.26 78.4 1418.31 1416.37 1697.49 1697.49 1697.58 1820.55	2736 34 154.26 918.79 2557.98 2734.44 7860.33 7860.33 7860.33 14438.72 1187.58 5559.47 1315.37 154.26 78.4 1418.31 1416.37 10897.5 1507.58	0 0 3610.1 0 0 0 0 0 5757.1 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								
DetBEX OutBEX DetAEx N40 OutAEx OutAEx DetB_Prop N62 N63 N64 N65 N69 OutB_Prop N75 N76 N77	918.79 6196.01 2734.44 7860.27 7860.33 7860.33 7860.33 7859.47 1315.37 154.26 78.4 1418.31 1416.37 10897.49 1507.58 1820.55 111.59	2736 34 154.26 918.79 2587.98 2734.44 7860.33 7860.33 7860.33 14438.72 1187.58 5559.47 1315.37 154.26 78.4 1418.31 1418.31 1418.31 1418.31 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150.75 150	0 0 0 3610.1 0 0 0 0 5757.1 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								
DetBEX OUIBEX DetAEX N40 OUIAEX OUICEX DetB_Prop N62 N63 N64 N65 N69 OUIB_Prop N75 N76 N77 N78 N79	918.79 6196.01 2734.44 7860.27 7860.33 7860.33 7860.33 7863.71 5559.47 1315.37 154.26 78.4 1418.31 148.37 10897.49 1507.58 1820.55 111.59 7109.66	2738 34 154.26 918.79 2587 98 2734.44 7860.33 7860.33 7860.33 14438.72 1187.58 5559.47 1315.37 154.26 78.4 1418.31 1418.31 1418.37 10897.5 1507.58	0 0 3610.1 0 0 0 0 5757.1 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								
DetBEX OutBEX DetAEX N40 OutAEX OutCEX DetB_Prop N62 N63 N64 N65 N69 CutB_Prop N75 N75 N77 N78 N79 OutA_Prop	918.79 6196.01 2734.44 7860.27 7860.33 7860.33 14436.72 6943.71 5559.47 1315.37 154.53 1416.37 1416.37 1507.58 1820.55 111.59 7109.749 7109.749	2736 34 154.26 918.79 2557.96 2734.44 7860.33 7860.33 7860.33 14438.72 1187.58 5559.47 1315.37 154.26 78.4 1418.31 1418.37 10597.5 1507.58 1820.55 111.59 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 71	0 0 0 3610.1 0 0 0 0 5757.1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								
DetBEX OUIBEX DetAEX N40 OUASEX DetAEX N40 OUASEX DetB Prop N62 N63 N64 N65 N69 OUB Prop N75 N76 N77 N77 N78 N79 OUAProp DetAProp DetC1	918.79 6196.01 2734.44 7860.27 7860.33 7860.33 7860.33 14436.72 6943.71 154.26 78.4 1416.37 10897.49 1507.58 1820.55 111.59 7109.66 7101.74 1342.48	2736 34 154.26 918.79 2557.96 2734.44 7860.33 7860.33 7860.33 14438.72 1187.58 5559.47 1315.37 154.26 78.4 1418.31 1418.37 10597.5 1507.58 1820.55 111.59 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 710.96 71	0 0 3610.1 0 0 0 0 0 5757.1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								
DetBEX OUIBEX DetAEX N40 OUIAEX OUICEX DetB_Prop N62 N63 N64 N65 N69 OUIB_Prop N75 N76 N77 N78 N79 OUIA_Prop DetA_Prop DetA_Prop DetA_Prop DetD_Prop	918.79 6196.01 2734.44 7860.27 7860.33 7860.33 14436.72 6943.71 5559.47 1315.37 154.26 78.4 1418.31 1416.37 10897.49 1507.58 1820.55 111.59 710.96 710.74 13426.48 1531.66 16271.57	2738 34 154.26 918.79 2587 98 2734.44 7860.33 7860.33 7860.33 14438.72 1187.58 5559.47 1315.37 154.26 78.4 1418.31 1416.37 10897.5 1507.58 1820.55 7109.65 7101.74 5185.42 51530.95 51533 24	0 0 3610.1 0 0 0 0 5757.1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								
DetBEX OutBEX OutBEX DetAEX N40 OutAEX OutCEX DetB_Prop N62 N63 N64 N65 N69 OutB_Prop N75 N76 N77 N78 N77 DetA_Prop DetA_Prop DetC1 DetD_Prop DetC2	918.79 6196.01 2734.44 7860.27 7860.33 7860.33 14436.72 6943.71 155.59 47 157.42 78.4 1418.31 1416.37 10897.49 1507.58 111.59 7109.66 7101.74 13426.48 1531.66 15271.57 1452.11	2738 34 154.26 918.79 2567 98 2734.44 7860.33 7860.33 7860.33 14438.72 1187.58 5559.47 1315.37 154.26 78.4 1418.31 1416.37 10897.5 1507.58 1820.55 111.59 7109.65 7101.74 5185.42 1530.95	0 0 3610.1 0 0 0 0 5757.1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								
DetBEX OutBEX DetAEx N40 OutAEx OutCEX DetB Prop N62 N63 N64 N65 N69 OutB Prop N75 N76 N77 N78 N78 N79 OutA_Prop DetC1 DetD_Prop DetC2 DetC2 DetC3	918.79 6196.01 2734.44 7860.27 7860.33 7860.33 7860.33 7850.37 154.26 78.4 1418.31 1416.37 10897.49 1507.58 111.59 7109.66 7101.74 1531.66 1627.57 1452.11 1531.66	2738 34 154.26 918.79 2587 98 2734.44 7860.33 7860.33 7860.33 14438.72 1187.58 5559.47 1315.37 154.26 78.4 1418.31 1418.37 10897.5 1507 58 1820.55 111.59 7109.65 7101.74 1438.42 1530.95	0 0 0 3610.1 0 0 0 0 5757.1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								
DetBEX OUIBEX DetAEX N40 OUAEX OUTOEX DetB_Prop N62 N63 N64 N65 N69 OUB_Prop N75 N76 N77 N78 N78 N79 OUA_Prop DetA_Prop DetA_Prop DetC1 DetD_Prop DetC2 DetC3 DetC3 DetC4	918.79 6196.01 2734.44 7860.27 7860.33 7860.33 7860.33 7862.37 14438.72 6943.71 15559.47 1315.37 1542.67 148.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 1418.31 141	2738 34 154.26 918.79 2587 98 2734.44 7860.33 7860.33 7860.33 14438.72 1187.58 5559.47 1315.37 154.26 78.4 1418.31 1416.37 10897.5 1507.58 1820.55 7109.65 7101.74 5185.42 1530.95	0 0 0 3610.1 0 0 0 0 5757.1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								
DetBEX OUIBEX DetAEX N40 OUIAEX OUICEX DetB_Prop N62 N63 N64 N65 N69 CUIB_Prop N75 N76 N77 N78 N79 OUIA_Prop DetA_Prop DetC1 DetD_Prop DetC2 DetC3 DetC3 DetC3 DetC4 DetC5	918.79 6196.01 2734.44 7860.27 7860.33 7860.33 14436.72 6943.71 155.59 47 154.26 78.4 1418.31 1416.37 10897.49 1507.58 111.59 7109.66 7101.74 13426.48 1531.66 16271.57 1449.53 1510.59 1449.53 1510.59 1449.53	2738 34 154.26 918.79 2567 98 2734.44 7860.33 7860.33 14438.72 1187.58 5559.47 1315.37 154.26 78.4 1418.31 1418.31 1418.37 10897.5 1507.58 1820.55 111.59 7109.65 7109.65 7109.65 7109.65 7109.65 7109.65 7109.65 7109.65 7109.65 7109.65 7109.65 7109.65 7109.65 7109.65 7109.65 7109.65 7109.65 7109.65 7109.65 7109.65 7109.65 7109.65 7109.65 7109.65 7109.65 7109.65 7109.65	0 0 0 3610.1 0 0 0 0 5757.1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								
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DetBEX OutBEX OutBEX DetAEx N40 OutAEx OutCEX DetB Prop N62 N63 N64 N65 N69 OutB Prop N75 N76 N77 N78 N78 N79 OutA_Prop DetC1 DetD_Prop DetC2 DetC3 DetC4 DetC5 DetC6 N92 OutC_Prop N95 N96 N97 N97 N91 N97 N97 N98 N97	918.79 6196.01 2734.44 7860.27 7860.33 7860.33 7860.37 154.26 78.4 1418.31 1507.58 111.59 7109.66 7207.58 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 111.59 1	2736 34 154.26 918.79 2587 98 2734.44 7860.33 7860.33 7860.33 14438.72 1187.58 5559.47 1315.37 154.26 78.4 1418.31 1418.37 10897.5 1507.58 1820.55 7101.74 1539.56 1539.95 1539.95 1539.95 1539.95 1549.88 1678.88 1678.78 1599.88 1678.78 1689.88 1678.78 1689.88 1678.78 1689.88 1678.78 1689.88 1678.78 1689.88 16781.74 1689.88 16781.74 1689.88 16781.74 1689.88 16781.74 1689.88 16781.74 1689.88 16781.74 1689.88 16781.74 1689.88 16781.74 1689.75 1689.88 16781.74 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 1689.75 16	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								

N50	14438.72	14438.72	-0	-0					1		- 1	1
N294	896.55	896,55	.0	0								1
N320	397.73	397.73	0	ő		-						
N321	1401 36	1401.36	0	0		_		1			-	
						_						
N322	150.04	150.04	. 0	-0								
N323	4837	4837	0	- 0								15
N324	168.11	168.11	0	0	14	1		4	1	7	1	
N325	58.52	58.52	0	Ö								
N326	7512.96	7512.96	0	0					1			
N327	5178.06	5178.06	0	0				1		_		
7,7,5,5,4,1						_		_				
N328	2540.44	2540,44	0	.0		4		- 4	1			
N329	1916,51	1916.51	.0	0								
								- 1				
Run Log for Mooreba	ask DEVICE of	not 1021/20	on/0/9/7014			-						
					2000 05501	OFFICE OFFI	05407 05	IDE OFFICE OF	DOE OF ADA	P104 0F10	05404 01-	- D'. 16 D
The maximum flow e	exceeded the	are value in th	e following ove	mow routes. O	600, OF594,	OF593, OF591	J. OF487OF	485, OF305, OF	205, OF 131, C	2F104, OF10.	2, OF101, Sta	genischarge_D,
DRAINS results prep	pared 09 Augu	st. 2011 from)	Version 2010.0	9	1							
PIT / NODE DETAIL	S			Version 8								
		May Dand	Many Confess		A Non-	Complete	Constitution		-	_	-	1
Name	Max HGL	Max Pond	Max Surface	Max Pond	Min	Overflow	Constraint					
		HGL	Flow Arriving	Volume	Freeboard	(cu.m/s)						-
1			(ou m/s)	(cu.m)	(m)			1			*1	1
HW2	12.06	3.217			2.14	. 0	None	- 3				
N50	11.78	25/1	- 0					1		-	- 1	-
17.5	31.70							1				
									-	_		-
SUB-CATCHMENT											-	
Name	Max	Paved	Grassed	Paved	Grassed	Supp	Due to Storm					
	Flow Q	Max Q	Max Q	Tc	Tc	Tc					1	1 to 10 to 10
1	(cu m/s)	(cu.m/s)	(cu:m/s).	(min)	(min)	(min)						-
Catabilities		0		10707			ADROT	E heres of a	average 16.5	ments 7		
CatchB1Ex	0.07		0.07	- 3	8			r, 6 hours storm				
CatchC1Ex	0.208	0,179	0.029	. 7	7			r, 6 hours storm				
CatchBEx	1.753	0.684	1.069	14.5	24		AR&R 2 year	r, 9 hours storm	average 8.32	mm/h, Zone	-	
CatchAEx	2.117	1.235	0.882	13.75	15	0.0	AR&R 2 year	r. 6 hours storm	, average 10.8	mm/h. Zone		
CatB1_Prop	0.762	0.762	0.002	6	3			r. 6 hours storm				
CatB2(Swale)_Prop	0.275	0.275	0	9.5	8.5			r, 6 hours storm				
CatB1Ext_Prop	0.07	.0	0.07	5	8			r, 6 hours storm				
CatB2Ext_Prop	0.035	.0	0.035	8.5	15.5	0.0	AR&R 2 year	r, 6 hours storm	average 10.8	mm/h, Zone	-	
CatA1_Prop	0.708	0.708	. 0	6	3			r, 6 hours storm				
CatA2(Swale)_Prop	0.316	0.316	0	12	11			r, 6 hours storm				1
CatA1Ex_Prop	0,507	0.274	0.233	13.2	8,3			r, 6 hours storm				
CatA2Ex_Prop	0.048	. 0	0.048	0	18	0.0	AR&R 2 year	r, 9 hours storm	average 8.32	mm/h, Zone		1 11
CatCa_Prop	0.321	0.321	0	3	0			r. 6 hours storm				
CatCb_Prop	0,304	0.304	0	7	0			r, 6 hours storm				
		200		- 3								
CatCc_Prop	0.303	0.303	- 0	3	0			r. 6 hours storm				
CatCd_Prop	0.316	0.316	0	3	0		AR&R 2 year	r, 6 hours storm	average 10.8	mm/h, Zone	2	
CatCe_Prop	0.291	0.291	0	3	0	0.0	AR&R 2 year	r. 6 hours storm	average 10.8	mm/h_Zone	6	
CatCf_Prop	0.325	0.325	0	3				r. 6 hours storm				
	1.161	1.161	. 0		0							
CatC2_Prop				3				r, 6 hours storm				_
CatCEx1_Prop	0.208	0.179	0.029	. 7	7			r. 6 hours storm				
CatCEx2_Prop	0.163	0.091	0.071	217	25	0.0	AR&R 2 year	r. 9 hours storm	average 8.32	mm/h. Zone		
Cat A3 Prop	0.214	0.214	0	3				r. 6 hours storm				
Cat Carpark_Ex	0.188	0.188	. 0	5				r. 6 hours storm				
CatC1_Prop	0.193	0.193	0	3				r, 6 hours slam				
Cat83Ext_Prop	0.031	0	0.031	-0	- 8		AR&R 2 year	r, 6 hours storm	average 10.8	mm/h. Zone	12	1
CatchCEx	2.87	1.904	0.966	25	30	0.0	AR&R 2 year	r, 9 hours storm	average 8.32	mm/h, Zone	(= = = = = = =	1
Cat Carpark_Prop	0.188	0.188	.0	5				r, 6 hours storm				1
Cat1	0.107	0.062	0.045	5	12			r, 6 hours starm				
Cat2	0.355	0.24	0.114	. 7	15			r, 6 hours storm				
Cat3	0.041	0.024	0.017	4	8	0.0	AR&R 2 year	r, 6 hours storm	average 10.8	mm/h. Zone		
Cat4	1.085	0.949	0,136	5	15	0.0	AR&R 2 year	r. 6 hours storm	average 10.8	mm/h. Zone		
Cat5	0.046	0.026	0.019	G				r, 6 hours storm				
	0.046	0.009		6	8							
Cat6								r, 6 hours slarm				
CatA4_Prop	0.489	0.489	- 0	6				r, 6 hours storm				
CatA5_Prop	0.552	0.552	0	6	3	-0.0	AR&R 2 year	r, 6 hours storm	average 10.8	mm/n, Zone	± 1	
CatA6_Prop	0.532	0.532	0	6	3	0.0	AR&R 2 year	r, 6 hours storm	average 10.8	mm/h, Zone	1	1 = 11
CatB3_Prop	0.401	0.401	0					r, 6 hours starm				
-	-	33.27				2.0	7.70	1	T			
			-	-	-							
- W		1112			100	-		-				
Outflow Volumes for							-			-		2
Storm	Total Rainfall	Total Runoff	Impervious Ru	Pervious Runo	iff			1				1
	cu m			cu.m (Runoff 9								11
AR&R.2 year, 6 hou				10993.94 (27.6								
								1	-		-	
AR&R 2 year, 9 hou				13353.64 (29 (_		+ - 1	-			
AR&R 2 year, 12 ho				15020.40 (29.4								
AR&R 2 year, 18 ho	209996.39	161625,47 [7]	149142.59 (99	12482.88 (21.1	(%)			1	4	1	- 11	
AR&R 2 year, 24 ho				11504.72 (17.5								11.
Commence of the same of the sa	232893.2	177091 17 17			- "							
	232893.2	177091 17 (7)	-									
	232893.2	177091 17 (7)						+	-			
PIPE DETAILS					1							11
PIPE DETAILS	232893.2 Max Q	177091 17 (7) Max V	Max U/S	Max D/S	Due to Storm							
PIPE DETAILS	Max Q		Max U/S HGL (m)	Max D/S HGL (m)	Due to Storm							
PIPE DETAILS Name	Max Q (cu m/s)	Max V (m/s)	HGL (m)	HGL (m)		$\lambda = \pi I$	average 10	8 mm/h 7 m s				
PIPE DETAILS Name Pipe13	Max Q (cu m/s) 0.321	Max V (m/s)	HGL (m) 15.09	HGL (m) 14.999	AR&R 2 year	6 hours storm		8 mm/h. Zone 1				
PIPE DETAILS Name Pipe13 P18	Max Q (cu m/s) 0.321 0.304	Max V (m/s) 1.5	HGL (m) 15.09 15.087	HGL (m) 14.999 14.999	AR&R 2 year AR&R 2 year	6 hours stom 6 hours stom	, average 10.	8 mm/h. Zone 1				
PIPE DETAILS Name Pipe13 P18 P20	Max Q (cu.m/s) 0.321 0.304 0.303	Max V (m/s) 1.5 1.5	HGL (m) 15.09 15.087 15.086	HGL (m) 14.999 14.999 14.999	AR&R 2 year AR&R 2 year AR&R 2 year	6 hours storm 6 hours storm 6 hours storm	average 10. average 10.	8 mm/h, Zone 1 8 mm/h, Zone 1				
PIPE DETAILS Name Pipe13 P18 P20	Max Q (cu m/s) 0.321 0.304	Max V (m/s) 1.5	HGL (m) 15.09 15.087	HGL (m) 14.999 14.999 14.999	AR&R 2 year AR&R 2 year AR&R 2 year	6 hours storm 6 hours storm 6 hours storm	average 10. average 10.	8 mm/h. Zone 1				
PIPE DETAILS Name Pipe13 P18 P20 P22	Max Q (cu.m/s) 0.321 0.304 0.303 0.316	Max V (m/s) 1.5 1.5 1.5 1.5	HGL (m) 15.09 15.086 15.089	HGL (m) 14,999 14,999 14,999	AR&R 2 year AR&R 2 year AR&R 2 year AR&R 2 year	6 hours storm 6 hours storm 6 hours storm 6 hours storm	n, average 10. n, average 10. n, average 10.	.8 mm/h, Zone 1 .8 mm/h, Zone 1 .8 mm/h, Zone 1	r r			
PIPE DETAILS Name Pipe13 P18 P20 P22 P24	Max Q (cu.m/s) 0.321 0.304 0.303 0.316	Max V (m/s) 1.5 1.5 1.5 1.5	HGL (m) 15.09 15.087 15.086 15.089	HGL (m) 14,999 14,999 14,999 14,999	AR&R 2 year AR&R 2 year AR&R 2 year AR&R 2 year AR&R 2 year	6 hours storm 6 hours storm 6 hours storm 6 hours storm 6 hours storm	n, average 10. n, average 10. n, average 10. n, average 10.	.8 mm/h, Zone 1 .8 mm/h, Zone 1 .8 mm/h, Zone 1 .8 mm/h, Zone 1				
PIPE DETAILS Name Pipe13 P18 P20 P22 P24 P26	Max Q (cu.m/s) 0.321 0.304 0.303 0.316 0.291	Max V (m/s) 1.5 1.5 1.5 1.5 1.5 1.5	HGL (m) 15.09 15.087 15.086 15.089 15.084	HGL (m) 14.999 14.999 14.999 14.999 14.999	AR&R 2 year AR&R 2 year AR&R 2 year AR&R 2 year AR&R 2 year AR&R 2 year	6 hours storm 6 hours storm 6 hours storm 6 hours storm 6 hours storm 6 hours storm 6 hours storm	n, average 10. n, average 10. n, average 10. n, average 10. n, average 10.	.8 mm/h, Zone 1 .8 mm/h, Zone 1 .8 mm/h, Zone 1 .8 mm/h, Zone 1 .8 mm/h, Zone 1				
PIPE DETAILS Name Pipe13 P18 P20 P22 P24 P26	Max Q (cu.m/s) 0.321 0.304 0.303 0.316	Max V (m/s) 1.5 1.5 1.5 1.5	HGL (m) 15.09 15.087 15.086 15.089	HGL (m) 14.999 14.999 14.999 14.999 14.999	AR&R 2 year AR&R 2 year AR&R 2 year AR&R 2 year AR&R 2 year AR&R 2 year	6 hours storm 6 hours storm 6 hours storm 6 hours storm 6 hours storm 6 hours storm 6 hours storm	n, average 10. n, average 10. n, average 10. n, average 10. n, average 10.	.8 mm/h, Zone 1 .8 mm/h, Zone 1 .8 mm/h, Zone 1 .8 mm/h, Zone 1				
PIPE DETAILS Name Pipe13 P18 P20 P22 P24 P26	Max Q (cu.m/s) 0.321 0.304 0.303 0.316 0.291	Max V (m/s) 1.5 1.5 1.5 1.5 1.5 1.5	HGL (m) 15.09 15.087 15.086 15.089 15.084	HGL (m) 14.999 14.999 14.999 14.999 14.999	AR&R 2 year AR&R 2 year AR&R 2 year AR&R 2 year AR&R 2 year AR&R 2 year	6 hours storm 6 hours storm 6 hours storm 6 hours storm 6 hours storm 6 hours storm 6 hours storm	n, average 10. n, average 10. n, average 10. n, average 10. n, average 10.	.8 mm/h, Zone 1 .8 mm/h, Zone 1 .8 mm/h, Zone 1 .8 mm/h, Zone 1 .8 mm/h, Zone 1				
PIPE DETAILS Name Pipe13 P18 P20 P22 P24 P26 P10	Max Q (cu.m/s) 0.321 0.304 0.303 0.316 0.291 0.325 3.217	Max V (m/s) 1.5 1.5 1.5 1.5 1.5 1.5	HGL (m) 15.09 15.087 15.086 15.089 15.084	HGL (m) 14.999 14.999 14.999 14.999 14.999	AR&R 2 year AR&R 2 year AR&R 2 year AR&R 2 year AR&R 2 year AR&R 2 year	6 hours storm 6 hours storm 6 hours storm 6 hours storm 6 hours storm 6 hours storm 6 hours storm	n, average 10. n, average 10. n, average 10. n, average 10. n, average 10.	.8 mm/h, Zone 1 .8 mm/h, Zone 1 .8 mm/h, Zone 1 .8 mm/h, Zone 1 .8 mm/h, Zone 1				
PIPE DETAILS Name Pipe13 P18 P20 P22 P24 P26 P10 CHANNEL DETAILS	Max Q (cu m/s) 0.321 0.304 0.303 0.316 0.291 0.325 3.217	Max V (m/s) 1.5 1.5 1.5 1.5 1.4 1.5 2.1	HGL (m) 15.09 15.087 15.086 15.089 15.084 15.09	HGL (m) 14.999 14.999 14.999 14.999 14.999 14.999	AR&R 2 year AR&R 2 year AR&R 2 year AR&R 2 year AR&R 2 year AR&R 2 year AR&R 2 year	6 hours storm 6 hours storm 6 hours storm 6 hours storm 6 hours storm 6 hours storm 9 hours storm	n, average 10. n, average 10. n, average 10. n, average 10. n, average 10.	.8 mm/h, Zone 1 .8 mm/h, Zone 1 .8 mm/h, Zone 1 .8 mm/h, Zone 1 .8 mm/h, Zone 1				
PIPE DETAILS Name Pipe13 P18 P20 P22 P24 P26 P10 CHANNEL DETAILS	Max Q (cu m/s) 0.321 0.304 0.303 0.316 0.291 0.325 3.217	Max V (m/s) 1.5 1.5 1.5 1.5 1.5 1.4 1.5 2.1	HGL (m) 15.09 15.087 15.086 15.089 15.084 15.09 11.831	HGL (m) 14.999 14.999 14.999 14.999 14.999 14.999 14.999 14.781	AR&R 2 year AR&R 2 year AR&R 2 year AR&R 2 year AR&R 2 year AR&R 2 year	6 hours storm 6 hours storm 6 hours storm 6 hours storm 6 hours storm 6 hours storm 9 hours storm	n, average 10. n, average 10. n, average 10. n, average 10. n, average 10.	.8 mm/h, Zone 1 .8 mm/h, Zone 1 .8 mm/h, Zone 1 .8 mm/h, Zone 1 .8 mm/h, Zone 1				
PIPE DETAILS Name Pipe13 P18 P20 P22 P24 P26 P10 CHANNEL DETAILS	Max Q (cu m/s) 0.321 0.304 0.303 0.316 0.291 0.325 3.217	Max V (m/s) 1.5 1.5 1.5 1.5 1.4 1.5 2.1	HGL (m) 15.09 15.087 15.086 15.089 15.084 15.09	HGL (m) 14.999 14.999 14.999 14.999 14.999 14.999	AR&R 2 year AR&R 2 year AR&R 2 year AR&R 2 year AR&R 2 year AR&R 2 year AR&R 2 year	6 hours storm 6 hours storm 6 hours storm 6 hours storm 6 hours storm 6 hours storm 9 hours storm	n, average 10. n, average 10. n, average 10. n, average 10. n, average 10.	.8 mm/h, Zone 1 .8 mm/h, Zone 1 .8 mm/h, Zone 1 .8 mm/h, Zone 1 .8 mm/h, Zone 1				
PIPE DETAILS Name Pipe13 P18 P20 P22 P24 P26 P10 CHANNEL DETAILS	Max Q (cu m/s) 0.321 0.304 0.303 0.316 0.291 0.325 3.217	Max V (m/s) 1.5 1.5 1.5 1.5 1.5 1.4 1.5 2.1	HGL (m) 15.09 15.087 15.086 15.089 15.084 15.09 11.831	HGL (m) 14.999 14.999 14.999 14.999 14.999 14.999 14.999 14.781	AR&R 2 year AR&R 2 year AR&R 2 year AR&R 2 year AR&R 2 year AR&R 2 year AR&R 2 year	6 hours storm 6 hours storm 6 hours storm 6 hours storm 6 hours storm 6 hours storm 9 hours storm	n, average 10. n, average 10. n, average 10. n, average 10. n, average 10.	.8 mm/h, Zone 1 .8 mm/h, Zone 1 .8 mm/h, Zone 1 .8 mm/h, Zone 1 .8 mm/h, Zone 1				
PIPE DETAILS Name Pipe13 P18 P20 P22 P24 P26 P10 CHANNEL DETAILS Name	Max Q (cu m/s) 0.321 0.304 0.303 0.316 0.291 0.325 3.217	Max V (m/s) 1.5 1.5 1.5 1.5 1.5 1.4 1.5 2.1	HGL (m) 15.09 15.087 15.086 15.089 15.084 15.09 11.831	HGL (m) 14.999 14.999 14.999 14.999 14.999 14.999 14.999 14.781	AR&R 2 year AR&R 2 year AR&R 2 year AR&R 2 year AR&R 2 year AR&R 2 year AR&R 2 year	6 hours storm 6 hours storm 6 hours storm 6 hours storm 6 hours storm 6 hours storm 9 hours storm	n, average 10. n, average 10. n, average 10. n, average 10. n, average 10.	.8 mm/h, Zone 1 .8 mm/h, Zone 1 .8 mm/h, Zone 1 .8 mm/h, Zone 1 .8 mm/h, Zone 1				
PIPE DETAILS Name Pipe13 P18 P20 P22 P24 P24 P26 P10 CHANNEL DETAILS Name OVERFLOW ROUTE	Max Q (cu m/s) 0.321 0.304 0.503 0.316 0.291 0.325 3.217 S Max Q (cu m/s)	Max V (m/s) 1.5 1.5 1.5 1.5 1.5 1.5 1.4 1.5 2.1 Max V (m/s)	HGL (m) 15.09 15.097 15.086 15.084 15.09 11.831 Chamage (m)	HGL (m) 14.999 14.999 14.999 14.999 14.999 14.799 14.781 HGL (m)	AR&R 2 year AR&R 2 year AR&R 2 year AR&R 2 year AR&R 2 year AR&R 2 year AR&R 2 year Due to Storm	6 hours storn 6 hours storn 6 hours storn 6 hours storn 6 hours storn 9 hours storn	n, average 10, n, average 10, n, average 10, n, average 10, n, average 10, n, average 6,3	.8 mm/h , Zone 1 .8 mm/h , Zone 1 .8 mm/h , Zone 1 .8 mm/h , Zone 1 .8 mm/h , Zone 1 .2 mm/h , Zone 1				
PIPE DETAILS Name Pipe13 P18 P20 P22 P24 P24 P26 P10 CHANNEL DETAILS Name OVERFLOW ROUTE	Max Q (cu m/s) 0.321 0.304 0.503 0.316 0.291 0.325 3.217 S Max Q (cu m/s)	Max V (m/s) 1.5 1.5 1.5 1.5 1.5 1.4 1.5 2.1	HGL (m) 15.09 15.087 15.086 15.089 15.084 15.09 11.831	HGL (m) 14.999 14.999 14.999 14.999 14.999 14.999 14.999 14.781	AR&R 2 year AR&R 2 year AR&R 2 year AR&R 2 year AR&R 2 year AR&R 2 year AR&R 2 year Due to Storm	6 hours storn 6 hours storn 6 hours storn 6 hours storn 6 hours storn 9 hours storn 9 hours storn	n, average 10, n, average 10, n, average 10, n, average 10, n, average 10, n, average 5,3	.8 mm/h, Zone 1 .8 mm/h, Zone 1 .8 mm/h, Zone 1 .8 mm/h, Zone 1 .8 mm/h, Zone 1	Y			

OF12 OF26 OF1	0.07											_
OF1		0.07	7 665	0.031	0.01	10.2	0.44	AR&R 2 year	6 hours storm	average 10.8	mm/h, Zone	1
OF1	0.208	0.208	7.665	0.046	0.03	13.25				average 10.		
	0.286	0.286	7 665	0.053	0.04	14.51				, average 8.3		
OF19		1.28	7.665	0.097	0.1	23.31						
	1.28									n. average 5.32		
OF17	1.28	1.28	7.665	0.097	0.1	23.31				n, average 8.3		
StageDischarge_B	0.176	0.176	7.665	0.044	0.03	12.71	0.58	AR&R 2 year.	24 hours stor	m average 4.	45 mm/h, Zone	2 1
OF43	1.164	1.164	7.665	0.093	0.09	22,59	0.99	AR&R 2 year,	6 hours storm	i, average 10.8	mm/h. Zone	1
OF44	0,275	0.275	7.665	0,052	0.03	14,33	0.67	AR&R 2 year	6 hours storm	, average 10.	mm/h, Zone	1
OF46	0.07	0.07	7.665	0.031	0.01	10.2				average 10.		
OF47	0.035	0.035	7.665	0.024	0.01	7.93				average 10.		
	1504.50											
OF51	0.24	0.24	7.665	0.049	0.03	13.79				m average 6.5		
OF58	2.281	2.281	7 665	0.123	0.14	28.52	1.18	AR&R 2 year.	6 hours stom	. average 10.8	mm/h. Zone	1
OF59	0.316	0.316	7.665	0.054	0.04	14.87	0.7	AR&R 2 year	6 hours storm	average 10.	mm/h, Zone	1
OF60	0.507	0.507	7.665	0.066	0.05	17.2	0.79	AR&R 2 year.	6 hours storm	average 10.8	8 mm/h. Zone	1
OF61	0.048	0.046	7.665	0.026	0.01	8.83	0.41	AR&R 2 year	9 hours storm	, average 8.32	mm/h. Zone	1
OF64	1.156	1.158	7.665	0.092	0.09	22.41				m, average 6.		
StageDischarge_A	0.705	0.705	7.665	0.076	0.07	19,18		ARSH 2 year	9 hours stom	, average 8.3	2 mm/h, Zone	1
OF549	0	0	7,665	0	0	0	-0					
StageDischarge_D	2.42	2.42	7.665	0 125	0.15	29.06	1.2	AR&R 2 year	6 hours storm	average 10.	mm/h, Zone	1
OF550	- 0	0	7,665	. 0	0	- 0	0					
OF551	0	0		0	. 0	0	0					
OF552	.0			, o	0	0	0					
												-
OF553	0			. 0	- 0	-0	-0					
OF554	0	.0	7.665	-0	0	0	0					
OF102	2.718	2.718	7.665	0.132	0.16	30.31	1.24	AR&R 2 year.	6 hours storm	n. average 10.	mm/h. Zone	1
OF101	1.161	1.161	7.665	0.093	0.09	22.59				, average 10.		
OF131	0.208	0.208	7.665	0.046	0.03	13.25				average 10.		
OF104	0.163	0.163	7.665	0.042	0.03	12,35				average 8.3		
OF205	0.214	0.214	7.665	0.046	0.03	13.25				average 10.		
OF485	0.188	0.188	7 665	0.044	0.03	12,89				, average 10.		
OF305	0.493	0.193	7.665	0.044	0.03	12.89	0.61	AR&R 2 year	6 hours storm	average 10.8	mm/h, Zone	1
OF340	0.031	0.031	7.665	0.023	0.01	7,63				, average 10.0		
OF28	0.001	0.001	7.665	0.020	0.01	0	-0	311.1.6 3541	-	1		-
OF30	3.217	3.217	7.665	0.141	0.18	32.11		ADRES	9 hours at	augran B 2	mma Zac	
										n. average 8.3		
OF487	0.188	0.188	7,665	0.044	0.03	12,89				, average 10.		
OF594	1.572	1.572	7.665	0.105	0.11	24.92				, average 10.		
OF593	1.084	1.084	7.665	0.09	0.09	22,05	0.97	AR&R 2 year.	6 hours storm	, average 10.	mm/h, Zone	1
OF590	0.532	0.532	7.665	0.067	0.05	17.38	0.81	AR&R 2 year	6 hours storm	average 10	mm/h. Zone	1
OF600	0.401	0.401	7 665	0.06	0.04	15.94				average 10.		
Orgoo	0.401	0.401	1.000	0.00	0.04	10.04	0,10	Anon L year	O HOOFS STORE	, average to	a trittaint, 2.0016	
				_	-				-			
DETENTION BASIN	DETAILS											11
Name	Max WL	MaxVol	Max Q	Max Q	Max Q							1
			Total	Low Level	High Level							
DetBEx	14.44	5477.2		. 0		_			-			
	13.95						-		_	-		-
DetAEx			1,28	0								
DetB_Prop	15.08	9649.6	0.176	0	0.176							114
DetA_Prop	14.95	12952.5	0.705	- 0	0.705							
DetC1	15.18	73.4	0.321	0.321	0						1	1
DetC1				0.321					-			
DetC1 DetD_Prop	15	5388.2	2.42	0	2.42							
DetC1 DetD_Prop DetC2	15 15.18	5388.2 70.8	2.42 0.304	0.304	2.42							
DetC1 DetD_Prop DetC2 DetC3	15.18 15.18	5388.2 70.8 70.7	2.42 0.304 0.303	0 0 304 0 303	2.42 0 0							
DetC1 DetD_Prop DetC2 DetC3 DetC4	15 15.18 15.18 15.18	5388.2 70.8 70.7 72.7	2 42 0 304 0 303 0 316	0.304 0.303 0.316	2.42 0 0							
DetC1 DetD_Prop DetC2 DetC3	15.18 15.18	5388.2 70.8 70.7	2.42 0.304 0.303 0.316 0.291	0 304 0 303 0 316 0 291	2.42 0 0							
DetC1 DetD_Prop DetC2 DetC3 DetC4	15 15.18 15.18 15.18	5388.2 70.8 70.7 72.7	2 42 0 304 0 303 0 316	0.304 0.303 0.316	2.42 0 0							
DetC1 DetD_Prop DetC2 DetC3 DetC4 DetC5	15 15.18 15.18 15.18 15.17	5388.2 70.8 70.7 72.7 68.8	2.42 0.304 0.303 0.316 0.291	0 304 0 303 0 316 0 291	2.42 0 0 0 0							
DetC1 DetD_Prop DetC2 DetC3 DetC3 DetC4 DetC5 DetC6	15 15.18 15.18 15.18 15.17 15.19	5388.2 70.8 70.7 72.7 68.8 74.1	2.42 0.304 0.303 0.316 0.291 0.325	0,304 0,303 0,316 0,291 0,325	2.42 0 0 0 0 0							
DetC1 DetD_Prop DetC2 DetC3 DetC4 DetC5 DetC5 CONTINUITY CHEC	15 15.18 15.18 15.18 15.17 15.19 K for AR&R 2	5388.2 70.8 70.7 72.7 68.8 74.1 year, 5 hours	2.42 0.304 0.303 0.316 0.291 0.325 storm, average	0 304 0 303 0 316 0 291 0 325	2.42 0 0 0 0 0							
DetC1 DetD_Prop DetC2 DetC3 DetC4 DetC5 DetC6 CONTINUITY CHEC Node	15 15.18 15.18 15.18 15.17 15.19 K for AR&R 2 Inflow	5388.2 70.8 70.7 72.7 68.8 74.1 year, 5 hours Outflow	2.42 0.304 0.303 0.316 0.291 0.325 storm, average Storage Chan	0 304 0 303 0 316 0 291 0 325	2.42 0 0 0 0 0							
DetC1 DetD_Prog DetC2 DetC3 DetC3 DetC4 DetC5 DetC6 CONTINUITY CHEC	15 15:18 15:18 15:18 15:17 15:19 K for AR&R 2 Inflow (cu.m)	5388.2 70.8 70.7 72.7 68.8 74.1 year, 6 hours Outflow (cu.m)	2 42 0.304 0.303 0.316 0.291 0.325 storm average Storage Chan (cu.m)	0 304 0 303 0 316 0 291 0 325 10.8 mm/h, Zo Difference	2.42 0 0 0 0 0 0							
DetC1 DetD_Prop DetC2 DetC3 DetC4 DetC5 DetC6 CONTINUITY CHEC Node	15 15.18 15.18 15.17 15.19 K for AR&R 2 Inflow (cu.m) 5908.61	5388.2 70.8 70.7 72.7 68.8 74.1 year, 6 hours Outflaw (cu.m) .5908.6	2.42 0.304 0.303 0.316 0.291 0.325 storm, average Storage Chan	0,304 0,303 0,316 0,291 0,325 10,8 mm/h, Zo Difference	2.42 0 0 0 0 0 0							
DetC1 DetD_Prog DetC2 DetC3 DetC3 DetC4 DetC5 DetC6 CONTINUITY CHEC	15 15:18 15:18 15:18 15:17 15:19 K for AR&R 2 Inflow (cu.m)	5388.2 70.8 70.7 72.7 68.8 74.1 year, 6 hours Outflow (cu.m)	2 42 0.304 0.303 0.316 0.291 0.325 storm average Storage Chan (cu.m)	0 304 0 303 0 316 0 291 0 325 10.8 mm/h, Zo Difference	2.42 0 0 0 0 0 0							
DetC1 DetD_Prog DetC2 DetC3 DetC3 DetC4 DetC5 DetC6 CONTINUITY CHEC	15 15.18 15.18 15.17 15.19 K for AR&R 2 Inflow (cu.m) 5908.61	5388.2 70.8 70.7 72.7 68.8 74.1 year, 6 hours Outflaw (cu.m) .5908.6 192.6	2 42 0.304 0.303 0.316 0.291 0.325 storm average Storage Chan (cu.m)	0 0.304 0.303 0.316 0.291 0.325 10.8 mm/h, Zo Difference %	2.42 0 0 0 0 0 0							
DetC1 DetD_Prop DetC2 DetC3 DetC3 DetC4 DetC5 DetC6 CONTINUITY CHEC Node N4 N5 N8	15 15.18 15.18 15.17 15.19 K for AR&R 2 Inflow (cu.m) 5908.61 192.6	5388.2 70.8 70.7 72.7 68.8 74.1 year, 6 hours Outflaw (cu.m) 5908.6 192.6	2.42 0.304 0.303 0.316 0.291 0.325 storm average Storage Chan (cu.m) 0	0 0 304 0 303 0 316 0 291 0 325 10.8 mm/h, Zc Difference % 0 0 0 0 0 0	2.42 0 0 0 0 0 0							
DetC1 DetD_Prog DetC2 DetC3 DetC4 DetC5 DetC6 CONTINUITY_CHEC Node N4 N5 N8 DetBEx	15 15.18 15.18 15.18 15.17 15.19 K for AR&R 2 Inflow (cu.m) 5908.61 192.6 1348.14 8645.3	5388.2 70.8 70.7 72.7 68.8 74.1 year, 5 hours Outflaw (cu.m) 5908.6 1348.14 5719.75	2.42 0.304 0.303 0.316 0.291 0.325 storm, average Storage Chan (cu.m) 0 0	0 0 304 0 3003 0 316 0 291 0 325 10.8 mm/h, Zc Difference % 0 0 0 0 0 0 0	2.42 0 0 0 0 0 0							
DetC1 DetD_Prog DetC2 DetC3 DetC4 DetC5 DetC6 GONTINUITY CHEC Node N4 N5 N8 DetBEX OutBEX	15 15.18 15.18 15.18 15.17 15.17 15.19 K for AR&R 2 Inflow (cu.m) 5908.61 192.6 1348.14 8645:3 5904.86	5388.2 70.5 70.7 72.7 68.8 74.1 year, 6 hours Outflaw (cu.m) 5908.6 192.6 1348.14 5719.75 5904.86	2.42 0.304 0.303 0.316 0.291 0.325 storm, average Storage Chan (cu.m) 0 0 2927.56	0 0.304 0.303 0.316 0.291 0.325 10.8 mm/h, Zc Difference 96 0 0 0	2.42 0 0 0 0 0 0							
DetC1 DetD_Prop DetC2 DetC3 DetC3 DetC4 DetC5 DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx OutBEx OutBEx OutBEx	15 15.18 15.18 15.18 15.17 15.17 15.19 K for AR&R 2 Inflow (cu.m) 5908.61 192.6 1348.14 8645.3 5904.86	5388.2 70.8 70.7 72.7 68.8 74.1 year, 6 hours Outflow (cu.m) 5908.6 192.6 1348.14 5719.75 5904.86 11214.25	2.42 0.304 0.303 0.316 0.291 0.325 storm, average Storage Chan (cu.m) 0 0 2927.56	0 0 304 0 3003 0 316 0 3291 0 325 10.8 mm/h, Zc Difference % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2.42 0 0 0 0 0 0							
DetC1 DetD_Prog DetC2 DetC3 DetC3 DetC4 DetC5 DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx OutBEx DetAEx N40	15 15 18 15 18 15 18 15 18 15 18 15 18 15 17 15 19 15 17 15 19 K for AR&R 2 Inflow (cu.m) 5908.61 192.6 1349.4 8645.3 5904.86 11214.22 11214.25	5388.2 70.8 70.7 72.7 68.8 74.1 year, 6 hours Outflow (cu.m) 5908.6 192.6 1348.14 5719.75 5904.86 11214.25	2.42 0.304 0.303 0.316 0.291 0.325 storm. average Storage Chan (cu.m) 0 0 2927.56	0 0 304 0 303 0 316 0 325 10.8 mm/h, Ze Difference % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2.42 0 0 0 0 0 0							
DetC1 DetD_Prog DetC2 DetC3 DetC4 DetC5 DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx OutBEx DetBEx OutAEx	15 15 18 15 18 15 18 15 18 15 18 15 18 15 17 15 19 K for AR&R 2 Inflow (cu.m) 5908.61 192.6 1348.14 8645:3 5904.86 11214.22 11214.25 11214.25 11214.25	5388.2 70.8 70.7 72.7 68.8 74.1 year, 5 hours Outflaw (cu.m) 5908.6 192.6 1348.14 5719.75 5904.86 11214.25 11214.25	2.42 0.304 0.303 0.316 0.291 0.325 storm. average Storage Chan (cu.m) 0 2927.56	0 0,304 0,304 0,303 0,316 0,291 0,325 10.8 mm/h, Zc Difference % 0 0 0 0 0 0 0	2.42 0 0 0 0 0 0							
DetC1 DetD_Prog DetC2 DetC3 DetC3 DetC4 DetC5 DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx OutBEx DetAEx N40	15 15 18 15 18 15 18 15 18 15 18 15 18 15 17 15 19 15 17 15 19 K for AR&R 2 Inflow (cu.m) 5908.61 192.6 1349.4 8645.3 5904.86 11214.22 11214.25	5388.2 70.8 70.7 72.7 68.8 74.1 year, 5 hours Outflaw (cu.m) 5908.6 192.6 1348.14 5719.75 5904.86 11214.25 11214.25	2.42 0.304 0.303 0.316 0.291 0.325 storm. average Storage Chan (cu.m) 0 0 2927.56	0 0,304 0,304 0,303 0,316 0,291 0,325 10.8 mm/h, Zc Difference % 0 0 0 0 0 0 0	2.42 0 0 0 0 0 0							
DetC1 DetD_Prog DetC2 DetC3 DetC4 DetC5 DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx OutBEx DetBEx OutAEx	15 15 18 15 18 15 18 15 18 15 18 15 18 15 17 15 19 K for AR&R 2 Inflow (cu.m) 5908.61 192.6 1348.14 8645:3 5904.86 11214.22 11214.25 11214.25 11214.25	5388.2 70.8 70.7 72.7 68.8 74.1 year, 5 hours Outflaw (cu.m) 5908.6 192.6 1348.14 5719.75 5904.86 11214.25 11214.25	2.42 0.304 0.303 0.316 0.291 0.325 storm, average (cu.m) 0 0 2927.56 0 0	0 0 304 0 303 0 316 0 3291 0 325 10.8 mm/h, Zc Difference % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2.42 0 0 0 0 0 0							
DetC1 DetD_Prog DetC2 DetC3 DetC3 DetC4 DetC5 DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEX OutBEX DetAEX N40 OutAEX OutCEX DetB_Frop	15 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 17 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15	5388.2 70.8 70.7 72.7 68.8 74.1 year, 6 hours Outflow (cu.m) 5908.6 192.6 1348.14 5719.75 5904.86 11214.25 11214.25 11214.25 20919.38 2947.99	2.42 0.304 0.303 0.316 0.291 0.325 storm, average (cu.m) 0 0 2927.56 0 0 0 7339.47	0 0 304 0 3003 0 316 0 3291 0 325 10.8 mm/h, Zc Difference % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2.42 0 0 0 0 0 0							
DetC1 DetD_Prog DetC2 DetC3 DetC3 DetC4 DetC5 DetC6 GONTINUITY_CHEC Node N4 N5 N8 DetBEX OutBEx DetAEX N40 OutCEx DetAEX N40 OutCEx DetB_Prog N62	15 15 18 15 18 15 18 15 18 15 18 15 18 15 17 15 19 K for AR&R 2 Inflow (cu.m) 5908.61 192.6 1348 14 8645.3 5904.86 11214.25 20919.38 10286.31 8248.66	5388.2 70.8 70.7 72.7 68.8 74.1 year, 5 hours Outflow (cu.m) 5908.6 192.6 1348.14 5719.75 5904.86 11214.25 11214.25 20919.38 2947.99 8248.73	2.42 0.304 0.303 0.316 0.291 0.325 storm, average Storage Chan (cu.m) 0 0 2927.56 0 0 0 0 7339.47	0 0,304 0.303 0.316 0.291 0.325 10.8 mm/h, Zc Difference % 0 0 0 0 0 0 0 0 0 0	2.42 0 0 0 0 0 0							
DetC1 DetD Prop DetC2 DetC3 DetC4 DetC5 DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEX OutBEX DetBEX OutBEX DetACX N40 OutCEX DetBE N62 N63	15 15 18 15 18 15 18 15 18 15 18 15 18 15 17 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 18 18 18 18 18 18 18 18 18 18 18 18	5388.2 70.8 70.7 72.7 68.8 74.1 year, 6 hours Outflaw (cu.m) 5908.6 192.6 1348.14 5719.75 5904.86 11214.25 11214.25 20919.38 2947.99 6248.73	2.42 0.304 0.303 0.316 0.291 0.325 storm, average Storage Chan (cu.m) 0 2927.56 0 0 0 0 7339.47	0 0 304 0 303 0 316 0 281 0 325 10.8 mm/h, Zc Difference 96 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2.42 0 0 0 0 0 0							
DetC1 DetD_Prop DetC2 DetC3 DetC3 DetC4 DetC5 DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx DetBEx OutBEx DetAcx N40 OutAEx DetEB_Prop N62 N63 N64	15 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 17 15 19 K for AR&R 2 (nflow) (cu.m) 5908.61 192.6 1348 14 8645 33 5904.86 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.	5388.2 70.8 70.7 72.7 68.8 74.1 year, 6 hours Outflow (cu.m) 5908.6 192.6 1348.14 5719.75 5904.86 11214.25 11214.25 20919.38 2947.99 6248.73 1951.65	2.42 0.304 0.303 0.316 0.291 0.325 storm, average Storage Chan (cu.m) 0 0 2927.56 0 0 0 7339.47	0 0 304 0 303 0 316 0 3291 0 325 10.8 mm/h, Zc Difference % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2.42 0 0 0 0 0 0							
DetC1 DetD Prop DetC2 DetC3 DetC4 DetC5 DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEX OutBEX DetBEX OutBEX DetACX N40 OutCEX DetBE N62 N63	15 15 18 15 18 15 18 15 18 15 18 15 18 15 17 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 18 18 18 18 18 18 18 18 18 18 18 18	5388.2 70.8 70.7 72.7 68.8 74.1 year, 6 hours Outflaw (cu.m) 5908.6 192.6 1348.14 5719.75 5904.86 11214.25 11214.25 20919.38 2947.99 6248.73	2.42 0.304 0.303 0.316 0.291 0.325 storm, average Storage Chan (cu.m) 0 2927.56 0 0 0 0 7339.47	0 0 304 0 303 0 316 0 3291 0 325 10.8 mm/h, Zc Difference % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2.42 0 0 0 0 0 0							
DetC1 DetD_Prop DetC2 DetC3 DetC3 DetC4 DetC5 DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx DetBEx OutBEx DetAcx N40 OutAEx DetEB_Prop N62 N63 N64	15 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 17 15 19 K for AR&R 2 (nflow) (cu.m) 5908.61 192.6 1348 14 8645 33 5904.86 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.25 11214.	5388.2 70.8 70.7 72.7 68.8 74.1 year, 6 hours Outflow (cu.m) 5908.6 192.6 1348.14 5719.75 5904.86 11214.25 11214.25 20919.38 2947.99 6248.73 1951.65	2.42 0.304 0.303 0.316 0.291 0.325 storm, average Storage Chan (cu.m) 0 0 2927.56 0 0 0 7339.47	0 0 304 0 303 0 316 0 325 10.8 mm/h, Zc 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2.42 0 0 0 0 0 0							
DetC1 DetD_Prop DetC2 DetC3 DetC4 DetC5 DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx OutBEx DetAEx N40 OutCex DetBEx OutBEx N40 OutCex DetBEx N60 N63 N64 N65 N65 N669	15 15 18 15 18 15 18 15 18 15 18 15 18 15 17 15 19 15 19 16 16 18 16 18 18 18 18 18 18 18 18 18 18 18 18 18	5388.2 70.8 70.7 72.7 68.8 74.1 year, 6 hours Outflaw (cu.m) 5908.6 192.6 1348.14 5719.75 5904.86 11214.25 11214.25 20919.38 2947.99 5248.73 1951.85	2.42 0.304 0.203 0.316 0.291 0.325 storm. average Storage Chan (cu.m) 0 2927.56 0 0 0 7339.47 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0,304 0.303 0.316 0.291 0.325 10.8 mm/h, Zc Difference % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2.42 0 0 0 0 0 0							
DetC1 DetD_Prop DetC2 DetC3 DetC4 DetC5 DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx DetAEx DetAEx N40 OutAEx OutAEx OutCex DetB_Prop N62 N63 N64 N65 N89 OutB_Prop OutB_Prop	15 15 18 15 18 15 18 15 18 15 18 15 18 15 17 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15 19 15	5388.2 70.8 70.7 72.7 68.8 74.1 year, 6 hours Outflaw (cu.m) 5908.6 192.6 1348.14 5719.75 5904.86 11214.25 11214.25 20919.38 2947.99 5248.73 1951.85	2.42 0.304 0.303 0.316 0.291 0.325 storm, average Storage Chan (cu.m) 0 0 2927.56 0 0 0 7339.47 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 304 0 303 0 316 0 325 10.8 mm/h, Zc Difference % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2.42 0 0 0 0 0 0							
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2 Year ARI Results

N177	1330.24	1330.24	0	0				1	
N224	1364.68	1364.68	0	0					
N232	85.98	85.98	0	0					
HW2	20919.36	20919.38	0	0					
N50	20919.38	20919.38	0	0					
N294	1330.24	1330.24	0	0					
N320	567.13	567.13	0	.0					
N321	2021.12	2021.12	0	0	-	-			-
N322	213.78	213.78	0	- 0	-				
N323	7107.89	7107.89	0	0					
N324	239.53	239.53	0	0					
N325	83,36	83.38	0	0					
N326	11147,16	11147,2	0	0		-			
N327	7682.77	7682.86	0	0		 		11	-
N328	3769.31	3769.31	0	0					
N329	2843.54	2843.54	0	.0	_	-		1	
Run Log for Mod	rebank_REV02 run	at 10:31:48 on 9	/8/2011						

DRAINS Mode DRAINS Version: Modeller's Name:	Name and F	ile Path: 2010.09 - 5 A Chris McClelk	ugust 2010	D-Calculations\	C-Civil\Stormw	atedDRAINS	Post PEA\Mooi	rebank_REV02-2	20110713.dm		
Description:		Moorebank O									
DRAINS results pre	pared 09 Aug	ust. 2011 from	Version 2010 0	10	f -	1		i i	1	DECLU	TO.
Divinio results pie	parca ou rag	I con non	V							RESUL	15
PIT / NODE DETAIL				Version 8					- 2	20 YEAR	ARI
Name	Max HGL	Max Pond	Max Surface Flow Arriving	Max Pond	Min	Overflow	Constraint	1		ZUILAN	MIT
	-	HGL.	(cu.m/s)	(cu.m)	Freeboard (m)	(cu.m/s)		1			
HW2	12.76	10.166		(ed.iii)	1.44	- 0	None		1		
N50	12.25		. 0			-	P		10.1		-
1			-				11		137		
SUB-CATCHMENT Name	Max	Paved	Grassed	Paved	Grassed	Comp	Due to Storm	-		_	
Ivame	Flow Q	Max Q	Max Q	Te Te	Tc	Supp	Due to Storm			_	
-	(ou.m/s)	(cu.m/s)	(cu.m/s)	(min)	(min)	(min)				- 1	_
Catch B1Ex	0.381	0		3	8	Ö	AR&R 20 year	r. 25 minutes sto	rm, average 87.8	mm/h, Zone 1	
CatchC1Ex:	1.032	0.87		7	7				irm, average 87:8		
CatchBEx	5.832	2.538 4.854		14.5	24 15				average 35.8 mm		
CatchAEx CatB1 Prop	7,717	3.84	3,112	15,75	3				rm, average 87.8 rm, average 87.8		
CatB2(Swale) Prop	1.26	1.26		9.5	8.5				mn. average 87.6		
CatB1Ext_Prop	0.381	0		5	8				rm. average 87.8		
CatB2Ext_Prop	0.132	0	0.132	8.5	15.5				average 35.8 mm		
CatA1_Prop	3.567	3,567	0	6	3				irm, average 87.8		
CatA2(Swale)_Prop	1.315	1,315		12	-11				rm, average 87.8		
CatA1Ex_Prop CatA2Ex_Prop	2.342 0.179	1,094		13.2	6.3 18				mm, average 87.6 average 35.8 mm		
CatCa_Prop	1.732	1,732		3	- 0				m, average 35.8 mm		
CatCb_Prop	1.642	1.642	0	3	0				m, average 175 m		
CatCc_Prop	1,639	1.639	0	3	0	- 0	ARSR 20 yea	r. 5 minutes ston	m, average 175 m	m/h, Zone 1	
CatCd_Prop	1.708	1.708		3	0	0	AR&R 20 yea	r. 5 minutes ston	m. average 175 m	m/h. Zone 1	
CatCe_Prop	1.571	1.571	0	3	0				m, average 175 m		
CatCf_Prop	1.758	1.758		3	0				m, average 175 m		
CatC2_Prop	6.273 1.032	6.273 D.87	D.163	3	7		A STATE OF THE PARTY OF THE PAR	and the second second	m, average 175 m	Charles and Sparity and Sparity	
CatCEx1_Prop CatCEx2_Prop	0.511	0.87		21.7	25				m, average 87,8 n, average 42,7 m		_
Cat_A3_Prop	1.157	1,157	0.211	3	0				m, average 175 m		
Cat Carpark Ex	0.992	0.992		5	0				m, average 87.6		
CatC1_Prop	1.04	1.04	0	3	0				m, average 175 m		
CatB3Ext_Prop	0.17	0	340.71	Ø	8				rm, average 87.8		
CatchCEx	8.567	6.236		25	30				average 54.4 mm/r		
Cat Carpark_Prop	0.992	0.992			0				rm, average 87.8		
Cat1 Cat2	0.511 1.538	1.167	0.189	5	12 15				rm, average 87.8 rm, average 87.8		
Cat3	0.217	0.124		4	8				rm, average 87.8		
Cat4	5.457	5.017	0.478	5	15				im. average 87.8		-
Cat5	0.237	0.133	0.104	6	8				rm. average 87.8		
Cat6	0.082	0.046	0,036	6	8				rm, average 87.8		
CatA4_Prop	2.461	2.461	0	6	3				rm, average 87.8		
CatA5_Prop	2.678	2.78		6	3				m. average 87.8 m. average 87.8		
CatA6_Prop CatB3_Prop	2.070	2.070		6	3				m. average 87.8		
								1		1	
									144		
Outflow Volumes for						1		7			
Storm			Impervious Ru					-			
AR&R 20 year, 5 m	31901 12		21257.06 (93.							_	
AR&R 20 year, 10 r			33385.34 (95.				-			-	
AR&R 20 year, 15 r			42253,21 (96.								
AR&R 20 year, 20 r	71379.88	60285,51 (84	49660,72 (96.	10624.79 (52.7	140						
AR&R 20 year, 25 r			55685.65 (97.)	12241 75 (54.3							
AR&R 20 year, 30 r											
AR&R 20 year, 45 r AR&R 20 year, 1 ho			60954.32 (97.	13438.81 (54.6	5%)						
		90285.41 (86.	73669.27 (97.)	13438.81 (54.6 16616.13 (56.1	9%) 1%)						
AR&R 20 year, 1.5	113627.25	90285.41 (86 102699.03 (8	73669.27 (97. 83567.49 (98.	13438.81 (54.6 16616.13 (56.1 19131.53 (57.1	9%) 1%) 1%)						
AR&R 20 year, 1.5 AR&R 20 year, 2 ho	113627.25 139670.52 156134.39	90285.41 (86, 102699.03 (8) 121238.64 (8) 135577.38 (8)	73669.27 (97.) 83567.49 (98.) 98669.28 (98.) 110484.45 (98.)	13438.81 (54.6 16616.13 (56.1 19131.53 (57.1 22569.36 (57.2 25092.93 (56.8	5%) 5%) 5%) 5%) 5%)						
AR&R 20 year, 2 ho AR&R 20 year, 3 ho	113627.25 139670.52 156134.39 181866.03	90285.41 (86, 102699.03 (8) 121238.64 (8) 135577.38 (8) 158100.23 (8)	73669.27 (97.) 83567.49 (98.) 98669.28 (98.) 110484.45 (98.) 128950.34 (98.)	13438.81 (54.6 16616.13 (56.1 19131.53 (57.1 22569.36 (57.2 25092.93 (56.8 29149.89 (56.8	5%) (%) (%) (%) (%) (%) (%)						
AR&R 20 year, 2 ho	113627.25 139670.52 156134.39 181866.03	90285.41 (86, 102699.03 (8) 121238.64 (8) 135577.38 (8) 158100.23 (8)	73669.27 (97.) 83567.49 (98.) 98669.28 (98.) 110484.45 (98.)	13438.81 (54.6 16616.13 (56.1 19131.53 (57.1 22569.36 (57.2 25092.93 (56.8 29149.89 (56.8	5%) (%) (%) (%) (%) (%) (%)						
AR&R 20 year, 2 ho AR&R 20 year, 3 ho AR&R 20 year, 4.5	113627.25 139670.52 156134.39 181866.03	90285.41 (86, 102699.03 (8) 121238.64 (8) 135577.38 (8) 158100.23 (8)	73669.27 (97.) 83567.49 (98.) 98669.28 (98.) 110484.45 (98.) 128950.34 (98.)	13438.81 (54.6 16616.13 (56.1 19131.53 (57.1 22569.36 (57.2 25092.93 (56.8 29149.89 (56.8	5%) (%) (%) (%) (%) (%) (%)						
AR&R 20 year, 2 ho AR&R 20 year, 3 ho AR&R 20 year, 4.5 PIPE DETAILS	119627.25 139670.52 156134.39 181866.03 210977.67	90285.41 (86, 102699.03 (8) 121238.64 (8) 135577.38 (8) 158100.23 (8) 182255.05 (8)	73669.27 (97. 83567.49 (98. 98669.28 (98. 110484.45 (98. 128950.34 (98. 149844.19 (98.	13438.81 (54.6 16616.13 (56. 19131.53 (57. 22589.36 (57. 25092.93 (56.5 29149.89 (56.6 32410.87 (54.4	9%) (%) (%) (%) (%) (%) (%) (%) (%) (%) (
AR&R 20 year, 2 ho AR&R 20 year, 3 ho AR&R 20 year, 4.5	119627.25 139670.52 156134.39 181866.03 210977.67	90285.41 (86, 102699.03 (8) 121238.64 (8) 135577.38 (8) 158100.23 (8) 182255.05 (8) Max V	73669.27 (97. 83567.49 (98. 98669.28 (98. 110484.45 (98. 128950.34 (98. 149844.19 (98.	13438.81 (54.6 16616.13 (56.1 19131.53 (67.1 22569.36 (57.2 25092.93 (56.5 29149.89 (56.6 32410.87 (54.4	5%) (%) (%) (%) (%) (%) (%)						
AR&R 20 year, 2 ho AR&R 20 year, 3 ho AR&R 20 year, 4.5 PIPE DETAILS Name	119627.25 139670.52 156134.39 181866.03 210977.67	90285.41 (86, 102699.03 (8) 121238.64 (8) 135577.38 (8) 158100.23 (8) 182255.05 (8)	73669.27 (97.) 83567.49 (98.) 98669.28 (98.) 110484.45 (98.) 128950.34 (98.) 149844.19 (98.) Max U/S HGL (m)	13438.81 (54.6 16816.13 (56.1 19131.53 (57.1 22569.36 (57.2 25092.93 (56.5 29149.89 (56.8 32410.87 (54.4 Max D/S HGL (m)	996) 96) 96) 996) 996) 996) 196) Due to Storm		sform. average	112 mm/h, Zon-	eY		
AR&R 20 year, 2 he AR&R 20 year, 3 he AR&R 20 year, 4 5 PIPE DETAILS Name PIPE13 P18	113827.25 139670.52 156134.39 181866.03 210977.67 Max Q (cu.m/s) 1.549	90285.41 (86 102999.03 (81 121238.64 (81 135577.38 (8) 158100.23 (8) 182255.05 (8) Max V (m/s) 1.4	73669.27 (97.18367.49 (98.49869.28 (98.49869.28 (98.49869.28 (98.49869.28 (98.49844.45 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844.19 (98.49844	13438.81 (54.6 16616.13 (56.1 19131.53 (57.2 22689.36 (57.2 25092.93 (56.8 32410.87 (54.4 Max.D/S HGL (m) 15.649	5%) 9%) 9%) 9%) 9%) 9%) 9%) 9%) 9%) 9%) AR&R 20 yea AR&R 20 yea	r. 15 minutes r. 15 minutes	storm, average	112 mm/h, Zone	e f		
AR&R 20 year, 2 he AR&R 20 year, 3 he AR&R 20 year, 3 he AR&R 20 year, 4 5 PIPE DETAILS Name Pipe13 P18 P20	119627.25 139670.52 156134.39 181866.03 210977.67 Max Q (cu.m/s) 1.549 1.489	90285.41 (86 102699.03 (8 121238.64 (8 135577.38 (8 158100.23 (8 182255.05 (8) (m/s) 1.4 1.4	73669.27 (97. 83567.49 (98. 98669.28 (98. 110484.45 (98. 128950.34 (98. 149844.19 (95. Max U/S HGL (m) 15.728 15.716	13438.81 (54.6 16616.13 (56.1 19131.53 (57.2 22698.38 (57.2 25092.93 (56.8 32410.87 (54.4 Max D/S HGL (m) 15.649 15.649	9%) 9%) 9%) 9%) 9%) 9%) 9%) 9%) Due to Storm AR&R 20 yea AR&R 20 yea	r. 15 minutes r. 15 minutes r. 15 minutes	storm, average storm, average	112 mm/h, Zon 112 mm/h, Zon	e 1		
AR8R 20 year, 2 he AR8R 20 year, 3 he AR8R 20 year, 4 5 PIPE DETAILS Name PIpe 13 P18 P20 P20 P22	113627.25 139670.52 156134.39 181866.03 210977.67 Max Q (cu.m/s) 1.549 1.489 1.489	90285.41 (86 102899.03 (81 121238.64 (8) 135577.38 (8) 158100.23 (8) 182255.05 (8) Max V (m/s) 1.4	73669.27 (97.183667.49 (98.19869.28 (98.110484.45 (98.110484.45 (98.110484.45 (98.110484.45 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.110484.19 (98.1104	13438.81 (54.6 16616.13 (56.1 19131.53 (57.1 22589.36 (57.2 25082.93 (56.2 29149.39 (56.2 32410.87 (54.4 Max D/S HGL (m) 15.649 15.649	9%) 9%) 9%) 9%) 9%) 9%) 9%) 9%) 9%) Marian 20 yea ARSR 20 yea ARSR 20 yea ARSR 20 yea	r. 15 minutes r. 15 minutes r. 15 minutes r. 15 minutes	storm, average storm, average storm, average	: 112 mm/h, Zon : 112 mm/h, Zon : 112 mm/h, Zon	e 1 e 1 e 1		
AR8R 20 year, 2 he AR8R 20 year, 3 he AR8R 20 year, 4 5 PIPE DETAILS Name Pipe13 P18 P20 P22 P24	113627.25 139670.52 156134.39 181866.03 210977.67 Max Q (cu.m/s) 1.549 1.489 1.487 1.533	90285.41 (86 102899.03 (81 121238.64 (81 135577.36 (81 158100.23 (81 182255.05 (91 14 14 1.4 1.4 1.4	73669.27 (97.1 53567.49 (98.1 110484.45 (98.1 110484.45 (98.1 149844.19 (98.1 Max. U/S HGL (m) 15.716 15.716 15.716 15.724 15.707	13438.81 (54.8 16616.13 (56.1 19131.53 (57.1 22589.36 (57.2 25082.93 (56.5 224149.87 (54.4 Max D/S HGL (m) 15.649 15.649 15.649	9%) 9%) 9%) 9%) 9%) 9%) 9%) 9%) 9%) 19%) Due to Storm AR&R 20 yea	r. 15 minutes r. 15 minutes r. 15 minutes r. 15 minutes r. 15 minutes	storm, average storm, average storm, average storm, average	112 mm/h, Zone 112 mm/h, Zone 112 mm/h, Zone 112 mm/h, Zone	e 1 e 1 e 1		
AR&R 20 year, 2 he AR&R 20 year, 3 he AR&R 20 year, 3 he AR&R 20 year, 4 5 PIPE DETAILS Name Pipe 13 P20 P22 P24 P26	113627.25 139670.52 156134.39 181866.03 210977.67 Max Q (cu.m/s) 1.549 1.489 1.489 1.549 1.549	90285 41 (86 102899.03 (8) 121238.64 (8) 135577.38 (8) 158100.23 (8) 182255.05 (8) Max V (m/s) 1.4 1.4 1.4 1.3	73569.27 (97. 43367.49 (98. 43567.49 (98. 4110484.45 (98. 4128950.34 (98. 4149844.19 (98. 4149844.19 (98. 415716 415.707 415.707 415.707	13438.81 (54.6 16616.13 (56.2 19131.53 (57.1 22589.36 (57.2 2509.2 93 (56.5 22149.89 (56.5 32410.87 (54.4 Max D/S HGL (m) 15.649 15.649 15.649 15.649	9%) 9%) 9%) 9%) 9%) 9%) 9%) 9%) 9%) 9%)	r, 15 minutes r, 15 minutes r, 15 minutes r, 15 minutes r, 15 minutes r, 15 minutes	storm, average storm, average storm, average storm, average storm, average	112 mm/h, Zone 112 mm/h, Zone 112 mm/h, Zone 112 mm/h, Zone 112 mm/h, Zone	e 1 e 1 e 1 e 1		
AR8R 20 year, 2 he AR8R 20 year, 3 he AR8R 20 year, 4 5 PIPE DETAILS Name Pipe13 P18 P20 P22 P24	113627.25 139670.52 156134.39 181866.03 210977.67 Max Q (cu.m/s) 1.549 1.489 1.487 1.533	90285.41 (86 102899.03 (81 121238.64 (81 135577.36 (81 158100.23 (81 182255.05 (91 14 14 1.4 1.4 1.4	73569.27 (97. 48367.49 (98. 48. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49	13438.81 (54.8 16616.13 (56.1 19131.53 (57.1 22589.36 (57.2 25082.93 (56.5 224149.87 (54.4 Max D/S HGL (m) 15.649 15.649 15.649	9%) 9%) 9%) 9%) 9%) 9%) 9%) 9%) 9%) 9%)	r, 15 minutes r, 15 minutes r, 15 minutes r, 15 minutes r, 15 minutes r, 15 minutes	storm, average storm, average storm, average storm, average storm, average	112 mm/h, Zone 112 mm/h, Zone 112 mm/h, Zone 112 mm/h, Zone	e 1 e 1 e 1 e 1		
AR&R 20 year, 2 he AR&R 20 year, 3 he AR&R 20 year, 3 he AR&R 20 year, 4 5 PIPE DETAILS Name Pipe 13 P20 P22 P24 P26	119627.25 139679.52 156134.39 181866.03 210977.67 Max Q (cu.m/s) 1.549 1.489 1.487 1.597 10.166	90285 41 (86 102899.03 (8) 121238.64 (8) 135577.38 (8) 158100.23 (8) 182255.05 (8) Max V (m/s) 1.4 1.4 1.4 1.3	73569.27 (97. 43367.49 (98. 43567.49 (98. 4110484.45 (98. 4128950.34 (98. 4149844.19 (98. 4149844.19 (98. 415716 415.707 415.707 415.707	13438.81 (54.6 16616.13 (56.2 19131.53 (57.1 22589.36 (57.2 2509.2 93 (56.5 22149.89 (56.5 32410.87 (54.4 Max D/S HGL (m) 15.649 15.649 15.649 15.649	9%) 9%) 9%) 9%) 9%) 9%) 9%) 9%) 9%) 9%)	r, 15 minutes r, 15 minutes r, 15 minutes r, 15 minutes r, 15 minutes r, 15 minutes	storm, average storm, average storm, average storm, average storm, average	112 mm/h, Zone 112 mm/h, Zone 112 mm/h, Zone 112 mm/h, Zone 112 mm/h, Zone	e 1 e 1 e 1 e 1		
AR8R 20 year, 2 he AR8R 20 year, 3 he AR8R 20 year, 3 he AR8R 20 year, 4 5 PIPE DETAILS Name Pipe 13 P18 P20 P22 P24 P26 P10 CHANNEL DETAILS	119627.25 139670.52 139670.52 139670.52 136134.39 181866.03 210977.67 Max Q (cu.m/s) 1.549 1.489 1.489 1.489 1.489 1.489 1.567 1.1893	90285.41 (86 102699.03 (8) 121238.64 (8) 135577.38 (8) 158100.23 (8) 182255.05 (8) Max V (m/s) 1.4 1.4 1.3 1.5 3	73969.27 (97. 83867.49 (98. 98669.28 (98. 110484.45 (98 128950.34 (98 149844.19 (98 15.728 15.716 15.724 15.731 12.303 Chainage	13438,81 (54.8 16816) 13 (56.1 16816) 13 (56.1 19131,53 (57.1 22889,38 (57.2 22889,38 (57.2 25082,33 (56.4 2504)) 15 (54.4 2504) 15 (54.4 2504) 15 (54.4 2504) 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54	9%) 9%) 9%) 9%) 9%) 9%) 9%) 9%) 9%) 9%)	r, 15 minutes r, 15 minutes r, 15 minutes r, 15 minutes r, 15 minutes r, 15 minutes	storm, average storm, average storm, average storm, average storm, average	112 mm/h, Zone 112 mm/h, Zone 112 mm/h, Zone 112 mm/h, Zone 112 mm/h, Zone	e 1 e 1 e 1 e 1		
AR8R 20 year, 2 he AR8R 20 year, 3 he AR8R 20 year, 3 he AR8R 20 year, 4 5 PIPE DETAILS Name Pipe 13 P18 P20 P22 P24 P26 P10 CHANNEL DETAILS	119027.25 139670.52 156134.39 181866.03 210977.67 (ou.m/s) 1.549 1.489 1.489 1.593 1.499 1.596	90285.41 (86 102699.03 (8 121238.64 (8 135577.38 (8 158100.23 (8 182255.05 (8) 14 14 1.4 1.4 1.3 1.5 3	73569.27 (97. 48367.49 (98. 48. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49	13438.81 (54.6 16616.13 (56.1 19131.53 (57.1 22589.36 (57.2 2509.2 93 (56.5 32410.87 (54.4 Max D/S HGL (m) 15.649 15.649 15.649 15.649 15.649 15.649	9%) 9%) 9%) 9%) 9%) 9%) 9%) 9%) 9%) 9%)	r, 15 minutes r, 15 minutes r, 15 minutes r, 15 minutes r, 15 minutes r, 15 minutes	storm, average storm, average storm, average storm, average storm, average	112 mm/h, Zone 112 mm/h, Zone 112 mm/h, Zone 112 mm/h, Zone 112 mm/h, Zone	e 1 e 1 e 1 e 1		
AR&R 20 year, 2 he AR&R 20 year, 3 he AR&R 20 year, 3 he AR&R 20 year, 4 5 PIPE DETAILS Name Pipe 13 P18 P20 P22 P24 P26 P10 CHANNEL DETAILS Name	11907.75 139670.52 139670.52 139670.52 136134.86 136134.89 131866.03 210977.67 Max Q (cu.m/s) 1.549 1.489 1.489 1.489 1.489 1.489 1.567 10.166	90285.41 (86 102699.03 (8) 121238.64 (8) 135577.38 (8) 158100.23 (8) 182255.05 (8) Max V (m/s) 1.4 1.4 1.3 1.5 3	73969.27 (97. 83867.49 (98. 98669.28 (98. 110484.45 (98 128950.34 (98 149844.19 (98 15.728 15.716 15.724 15.731 12.303 Chainage	13438,81 (54.8 16816) 13 (56.1 16816) 13 (56.1 19131,53 (57.1 22889,38 (57.2 22889,38 (57.2 25082,33 (56.4 2504)) 15 (54.4 2504) 15 (54.4 2504) 15 (54.4 2504) 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54.9 15 (54	9%) 9%) 9%) 9%) 9%) 9%) 9%) 9%) 9%) 9%)	r, 15 minutes r, 15 minutes r, 15 minutes r, 15 minutes r, 15 minutes r, 15 minutes	storm, average storm, average storm, average storm, average storm, average	112 mm/h, Zone 112 mm/h, Zone 112 mm/h, Zone 112 mm/h, Zone 112 mm/h, Zone	e 1 e 1 e 1 e 1		
AR&R 20 year, 2 he AR&R 20 year, 3 he AR&R 20 year, 3 he AR&R 20 year, 4 5 PIPE DETAILS Name PIPE 13 P18 P20 P22 P24 P24 P10 CHANNEL DETAILS Name OVERFLOW ROUT	119027.25 139670.52 139670.52 139670.52 139670.52 181866.03 210977.67 Max Q (ou.m/s) 1.549 1.489 1.489 1.489 1.489 1.489 1.567 10.166 S Max Q (ou.m/s) E DETAILS	90285.41 (86 102699.03 (8) 121238.64 (8) 135577.38 (8) 158100.23 (8) 182255.05 (8) Max V (m/s) 1.4 1.4 1.3 1.5 3 Max V (m/s)	73959.27 (97. \$3567.49 (98. \$3567.49 (98. 110484.45 (98. 128950.34 (98. 149844.19 (98. 15.728 15.716 15.724 15.731 12.303 Chalnage (m)	13438,81 (54.8 16816) 13 (56.1 16816) 13 (56.1 19131,53 (57.1 22889,38 (57.2 22889,38 (57.2 22899,38 (56.3 22410.87 (54.4 16.8 16.8 16.8 16.8 16.8 16.8 16.8 16.8	9%) 9%) 9%) 9%) 9%) 9%) 9%) 9%) 9%) 9%)	r, 15 minutes r, 15 minutes r, 15 minutes r, 15 minutes r, 15 minutes r, 15 minutes r, 15 hours st	storm, average storm, average storm, average storm, average storm, average orm, average 4	112 mm/h, Zon 112 mm/h, Zon 112 mm/h, Zon 112 mm/h, Zon 112 mm/h, Zon 112 mm/h, Zone	e 1 e 1 e 1 e 1		
AR8R 20 year, 2 he AR8R 20 year, 3 he AR8R 20 year, 4 5 PIPE DETAILS Name PIPE 13 P20 P22 P24 P26 P10 CHANNEL DETAILS Name OVERFLOW ROUT Name	119027.25 139670.52 139670.52 139670.52 136134.39 181866.03 210977.67 Max Q (cu.m/s) 1.549 1.499 1.499 1.499 1.597 10.166 5 Max Q (cu.m/s) E DETAILS Max Q U/S	90285.41 (86 102899.03 (8 121238.64 (8 135577.38 (8 158100.23 (8 158255.05 (8) 14 14 1.4 1.4 1.4 1.4 1.5 1.5 1.5 1.6 1.6 1.6 1.7 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8	73569.27 (97. 83567.49 (98. 83567.49 (98. 110484.45 (98. 1128950.34 (98. 149844.19 (98. 149844.19 (98. 15.716 15.716 15.716 15.716 15.731 12.303 Chalinage (m) Safe Q	13438,81 (54.6 16616.13 (56.1 19131.53 (57.1 22588.36 (57.2 25082.93 (56.5 32410.87 (54.4 Max D/S HGL (m) 15.649 15.649 15.649 15.649 15.649 15.649 15.649 15.649 15.649	9%) 9%) 9%) 9%) 9%) 9%) 9%) 9%) 9%) Due to Storm AR&R 20 yea Due to Storm	r. 15 minutes r. 15 hours st	storm, average storm, average storm, average storm, average storm, average orm, average 4	112 mm/h, Zone 112 mm/h, Zone 112 mm/h, Zone 112 mm/h, Zone 112 mm/h, Zone 112 mm/h, Zone 12 mm/h, Zone	e 1 e 1 e 1 e 1 e 7	Notate 21 S month. Ze-	
AR&R 20 year, 2 he AR&R 20 year, 3 h AR&R 20 year, 4 5 PIPE DETAILS Name Pipe 13 P20 P22 P24 P26 P10 CHANNEL DETAILS Name OVERFLOW ROUT Name OF9	119927.25 139970.52 139970.52 139970.52 139170.52 13618486.03 210977.97 Max Q (cu.m/s) 1.549 1.489 1.487 1.593 1.487 1.593 1.595 10.166	90285.41 (86 102699.03 (8) 121238.64 (8) 135577.38 (8) 158100.23 (8) 182255.05 (8) Max V (m/s) 1.4 1.4 1.3 1.5 3 Max V (m/s)	73569.27 (97.4 8367.49 (98.4 83687.49 (98.4 110484.45 (98.4 1124850.34 (98.4 149844.19 (98.4 15.716 15.716 15.716 15.724 15.707 15.731 12.303 Chainage (m) Safe Q 0.256	13438.81 (54.6 16616.13 (56.1 19131.53 (57.1 22589.36 (57.2 2509.29 (56.6 32410.87 (54.4 Max D/S HGL (m) 15.649 15.649 15.649 15.649 15.649 15.649 15.649 15.649 17.649 18.649 18.649 18.649 18.649 18.649 18.649 18.649 18.649	9%) 9%) 9%) 9%) 9%) 9%) 9%) 9%) 9%) 9%)	r. 15 minutes r. 15 mours st Max Width 18.64	storm, average storm, average storm, average storm, average storm, average orm, average 4	112 mm/h, Zoni 112 mm/h, Zoni 112 mm/h, Zoni 112 mm/h, Zoni 112 mm/h, Zoni 112 mm/h, Zoni 12.7 mm/h, Zoni Due to Storm AR&R 20 year.	e T e T e T e T e T e T e T e T e T e T	verage 21.5 mm/h, Zor	
AR&R 20 year, 2 no AR&R 20 year, 3 no AR&R 20 year, 3 no AR&R 20 year, 4 5 PIPE DETAILS Name PIPE DETAILS PIB P20 P22 P24 P24 P26 P10 CHANNEL DETAILS Name OVERFLOW ROUT Name OF9 OF12	119027.25 139670.52 139670.52 139670.52 136134.39 181866.03 210977.67 Max Q (cu.m/s) 1.549 1.499 1.499 1.499 1.597 10.166 5 Max Q (cu.m/s) E DETAILS Max Q U/S	90285.41 (86 102899.03 (8 121238.64 (8 135577.38 (8 158100.23 (8 158255.05 (8) 14 14 1.4 1.4 1.4 1.4 1.5 1.5 1.5 1.6 1.6 1.6 1.7 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8	73599.27 (97. \$3567.49 (98. \$3567.49 (98. \$110484.45 (98. \$128950.34 (98. \$149844.19 (98. \$15.716 \$15.728 \$15.724 \$15.724 \$15.724 \$15.731 \$15.731 \$12.303 \$12.303 \$12.303 \$12.303 \$13.724 \$13.724 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731 \$15.731	13438,81 (54.6 16616.13 (56.1 19131.53 (57.1 22588.36 (57.2 25082.93 (56.5 32410.87 (54.4 Max D/S HGL (m) 15.649 15.649 15.649 15.649 15.649 15.649 15.649 15.649 15.649	9%) 9%) 9%) 9%) 9%) 9%) 9%) 9%) 9%) Due to Storm AR&R 20 yea Due to Storm	r, 15 minutes r, 15 minutes r, 15 minutes r, 15 minutes r, 15 minutes r, 15 minutes r, 15 hours st	storm, average storm, average storm, average storm, average storm, average orm, average 4	112 mm/h, Zon 112 mm/h, Zon 112 mm/h, Zon 112 mm/h, Zon 112 mm/h, Zon 112 mm/h, Zon 112 mm/h, Zone 2.7 mm/h, Zone Due to Storm AR&R 20 year AR&R 20 year	e T e T e T e T e T e T e T e T f e T e T f 7 4.5 hours storm, a 25 minutes storm,	iverage 21.5 mmilh. Zor average 87.8 mmilh. 2. average 87.8 mmilh. 2.	one 1
ARAR 20 year, 2 ne ARAR 20 year, 3 ne ARAR 20 year, 3 ne ARAR 20 year, 4 5 PIPE DETAILS Name PIPE 13 P20 P22 P24 P26 P10 CHANNEL DETAILS Name CVERFLOW ROUT Name OF9 OF12 OF126	119927.25 139970.52 139970.52 139970.52 139170.52 136134.89 131866.03 210977.67 Max Q (cu,m/s) 1.549 1.489 1.489 1.487 1.593 1.449 1.597 10.166 S Max Q U/S C(cu,m/s) 0.852 0.381 1.032 0.381	90285.41 (86 102699.03 (8 121238.64 (8 135577.38 (8 158100.23 (8 182255.05 (8) 182255.05 (8) 1.4 1.4 1.4 1.4 1.3 1.5 3 1.5 1.5 3 1.6 1.6 1.6 1.7 1.6 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7	73569.27 (97.4 8367.49 (98.4 83667.49 (98.4 83667.49 (98.4 83667.49 (98.4 83667.49 836.4 83667.49 836.4 83667.4 83667.4 83667.4 83667.4 83667.4 83667.4 83667.4 83667.4 83667.4 83667.4 83667.4 83667.4 83667.4 83667.4 83667.4 83667.4 83667.4 83667.4 83667.4 83667.4 83667.4 83667.4 83667.4 83667.4 83667.4 83667.4 83667.4 83667.4 83667.4 83667.4 83667.4 83667.4 83667.4 83667.4 83667.4 83667.4 83667.4 83667.4 83667.4 83667.4 83667.4 83667.4 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mm/h, Zoni 27 mm/h, Zoni Due to Storm ARSR 20 year, ARSR 20 year,	e T e T e T e T e T e T e T e T e T f minutes storm, 325 minutes storm, 25 minutes storm, 26 minutes storm, 26 minutes storm, 27 minutes s	average 87.8 mm/h, Zi	one 1
AR&R 20 year, 2 no AR&R 20 year, 3 no AR&R 20 year, 3 no AR&R 20 year, 4 5 PIPE DETAILS Name PIPE DETAILS PIPE DETAILS Name P20 P22 P24 P26 P10 CHANNEL DETAILS Name COVERFLOW ROUT Name OF9 OF12 OF26 OF10 OF19	119027.25 139670.52 139670.52 139670.52 139670.52 181866.03 210977.67 Max Q (cu.m/s) 1.549 1.489 1.489 1.489 1.489 1.567 10.166 S Max Q (cu.m/s) E DETAILS Max Q U/S 0.662 0.632 1.032 0.533 6.244	90285.41 (86 102699.03 (8) 121238.64 (8) 135577.38 (8) 158100.23 (8) 182255.05 (8) 182255.05 (8) 1.4 1.4 1.4 1.3 1.5 3 1.5 1.5 1.5 1.5 1.3 1.5 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3	73569.27 (97. 83567.49 (98. 82. 86. 86. 86. 86. 86. 86. 86. 86. 86. 86	13438,81 (54.6 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,	9%) 9%) 9%) 9%) 9%) 9%) 9%) 9%) 9%) 9%)	r, 16 minutes r, 15 hours st	storm, average storm, average storm, average storm, average storm, average storm, average orm, average orm, average 4	112 mm/h, Zon 112 mm/h, Zon 112 mm/h, Zon 112 mm/h, Zon 112 mm/h, Zon 112 mm/h, Zone 112 mm/h, Zone 112 mm/h, Zone 12.7 mm/h,	e T e 1 e 1 e T e T e T e T e T e T e T e T 25 minutes storm, a 25 minutes storm, a 25 months storm, a 25 months storm, a 25 months storm, ave	average 87.8 mm/h, Zi average 87.8 mm/h, Zo verage 21.5 mm/h, Zone arage 35.8 mm/h, Zone	one 1 e 1
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AR&R 20 year, 2 he AR&R 20 year, 3 he AR&R 20 year, 3 he AR&R 20 year, 4 5 PIPE DETAILS Name PIPE DETAILS PIPE DETAILS Name PIPE DETAILS Name OVERFLOW ROUT Name OVERFLOW ROUT Name OFFI OFFI OFFI OFFI OFFI OFFI OFFI OFF	119027.25 139670.52 139670.52 139670.52 139670.52 139170.52 14866.03 210977.67 1.549 1.489 1.489 1.489 1.489 1.487 1.533 1.449 1.567 10.166 S Max Q U/S 0.865 0.381 1.032 0.833 0.244 6.244 6.244 6.244	90285.41 (86 102699.03 (8) 102699.03 (8) 1121238.64 (8) 135577.38 (8) 158100.23 (8) 182255.05 (8) Max V (m/s) 1.4 1.4 1.4 1.3 1.5 3 Max V (m/s) Max Q D/S 0.381 1.032 0.833 6.244 0.241 5.835	73569.27 (97. 83567.49 (98. 81. 82. 81. 82. 81. 81. 82. 81. 82. 81. 82. 82. 82. 82. 82. 82. 82. 82. 82. 82	13438,81 (54.6 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,13 (56.1 16816,	9%) 9%) 9%) 9%) 9%) 9%) 9%) 9%) 9%) 9%)	r, 16 minutes r, 15 minutes r, 16 minutes r, 18 minutes r,	storm, average orm, average 4 Max V 0.65 0.73 0.96 0.84 1.53 0.82 1.51	112 mm/h, Zon 112 mm/h, Zon 112 mm/h, Zon 112 mm/h, Zon 112 mm/h, Zon 112 mm/h, Zon 2,7 mm/h, Zon 2,	e T e 1 e 1 e T e 1 e T e I e I e I e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e I f e	average 87.8 mm/h., Zi average 87.8 mm/h., Zi average 21.5 mm/h., Zor arage 35.8 mm/h., Zone arage 35.8 mm/h., Zone average 21.5 mm/h. Zor average 87.8 mm/h., Zi average 87.8 mm/h., Zi	one 1 one 1 e 1 1 e 1 one 1
AR&R 20 year, 2 he AR&R 20 year, 3 he AR&R 20 year, 3 he AR&R 20 year, 4 5 PIPE DETAILS Name Pipe 13 P24 P26 P10 CHANNEL DETAILS Name OF 20 OVERFLOW ROUT Name OF 20 OF 12 OF 19 Stage Discharge B	119927.25 139970.52 139970.52 139970.52 139170.52 136134.89 131866.03 210977.97 Max Q (cu,m/s) 1.549 1.489 1.489 1.489 1.489 1.489 1.489 1.597 10.166 S Max Q (cu,m/s) 8 Max Q (cu,m/s) 1.593 1.597 10.166 S Max Q 1.597 10.166 S	90285.41 (86 102699.03 (8) 102699.03 (8) 1121238.64 (8) 135577.38 (8) 158100.23 (8) 182255.05 (8) Max V (m/s) 1.4 1.4 1.4 1.3 1.5 3 Max V (m/s) Max Q D/S 0.852 0.381 1.032 0.833 6.244 0.21	73569.27 (97. 73569.27 (97. 83667.49 (98. 83667.49 (98. 110484.45 (98. 1128950.34 (98. 149844.19 (98. Max.U/S HGL (m) 15.728 15.716 15.716 15.731 12.303 Chalinage (m) Safe Q 0.256 0.256 0.256 0.256 0.256 0.256 0.256 0.256 0.256 0.256 0.256 0.256 0.256 0.256 0.256 0.256 0.256 0.256 0.256 0.256 0.256 0.256 0.256	13438.81 (54.8 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.13 (56.1 16616.	9%) 9%) 9%) 9%) 9%) 9%) 9%) 9%) 9%) 9%)	r, 16 minutes e, 15 minutes r, 15 mours st 18,64 18,64 18,46 40,91 40,91 13,25 39,83 23,13	storm, average storm, average storm, average storm, average storm, average storm, average orm, a	112 mm/h, Zon 112 mm/h, Zone 2,7 mm/h, Zone Due to Storm ARSR 20 year, ARSR 20 year,	e T e 1 e 1 e T e T e T e T e T e T e T e T f e T e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T f e T	average 87,8 mm/h, Zi average 87,8 mm/h, Zi verage 21,5 mm/h, Zone arage 35,8 mm/h, Zone arage 35,8 mm/h, Zone verage 21,5 mm/h, Zone	one 1 one 1 1 1 1 one 1 one 1 one 1 one 1

OF51	0.561	0,561	0.256	0.069	0.06	17.74		AR&R 20 year, 2 hours storm, average 35,6 mm/h, Zone 1
OF58 OF59	11.31	11.31	0.256	0.23	0.42	49.99 23.49		AR&R 20 year, 25 minutes storm, average 87.8 mm/h, Zone 1
OF60	2.342	2.342		0.097	0.15	28.7		AR&R 20 year, 25 minutes storm, average 87.8 mm/h, Zone 1. AR&R 20 year, 25 minutes storm, average 87.8 mm/h, Zone 1.
OF61	0.179	0.179		0.044	0.03	1271		AR&R 20 year, 2 hours storm, average 35.8 mm/h, Zone 1
OF64	2.89	2.89		0.134	0.17	30.85		AR&R 20 year, 25 minutes storm, average 87.8 mm/h, Zone 1
StageDischarge_A	0.886	0,886		0.083	0.08	20.61		AR&R 20 year, 4.5 hours storm, average 21.5 mm/h, Zone 1
OF549	0	0	0.256	0	0	D	0	
StageDischarge_D	7.154	7,154		0.194	0.31	42.69	1.59	AR&R 20 year, 1.5 hours storm, average 42.7 mm/h, Zone 1
OF550	0	-0		- 0	- 0	O	0	
OF551	0	.0		- 0	10	В	_0	
OF552	0	0		. 0	0	В	0	
OF553	- 0	- 0		-0	0			
OF554	0.056	0		0	0	0	0	
OF102	8.354	B.354	0.256	0,207	0.34	45.4		AR&R 20 year, 1.5 hours storm, average 42.7 mm/h, Zone 1
OF101 OF131	6.273	6.273		0.185	0.28	40.91 21.69		AR&R 20 year, 5 minutes storm, average 175 mm/h, Zone 1 AR&R 20 year, 25 minutes storm, average 87,8 mm/h, Zone 1
OF 184	0.511	0.511	0.256	0.066	0.05	17.2		AR&R 20 year, 1.5 hours storm, average 42.7 mm/h, Zone 1
OF205	1, 157	1.157	0.256	0.092	0.09	22.41		AR&R 20 year, 5 minutes storm, average 175 mm/h, Zone 1
OF485	0.992	0.992	0.256	0.087	80.0	21.33		AR&R 20 year, 25 minutes storm, average 87.8 mm/h, Zone 1
OF305	1.04	1.04	0.256	0.088	0.09	21.69		AR&R 20 year, 5 minutes storm, average 175 mm/h, Zone 1
OF340	- 0.17	0.17	0.256	0.043	0.02	12.53	0.58	AR&R 20 year, 25 minutes storm, average 87.8 mm/h, Zone 1
OF28	10	0	0.256	. 0		0	0	
OF30	10.166	10,166	0.256	0.224	0.39	48.81	1.74	AR&R 20 year, 1.5 hours storm, average 42.7 mm/h, Zone 1
OF487	0.992	0.992	0,256	0.087	0.08	21,33		AR&R 20 year, 25 minutes storm, average 87,8 mm/h, Zone 1
OF594	7.633	7.833	0.256	0.202	0.33	44.32		AR&R 20 year, 25 minutes storm, average 87.8 mm/h, Zone 1
OF593	5.425	5.425		0.174	0.26	38.75		AR&R 20 year, 25 minutes storm, average 87.8 mm/h, Zone 1
OF590	2.578	2.678		0.131	0.16	30.13		ARSR 20 year, 25 minutes storm, average 87.8 mm/h, Zone 1
OF600	2.02	2.02	0.256	0.116	0.13	27,26	1,15	AR&R 20 year, 25 minutes storm, average 87.8 mm/h, Zone 1
		_						
DETENTION BASIN	V DETAILS			-				
	Max WL	MaxVol	Max Q	Max Q	Max Q		-	
- Tallie	TOTAL TALL	Te vow	Total	Low Level	High Level	-		
DetBEx	14.89	11800.3		D D	0.633			
DetAEx	14.14	3976		0	6.244			
DetB_Prop	15.47	13109.1	0,21	0	0.21		- 17	
DetA_Prop	15.38	19864.6		0	0.886			
DetC1	15.75	397.6		1.549	0			
DetD_Prop	15.65	8894.7	7.154	- 0	7,154		- 1	
DetC2	15.73	385.7	1.489	1.489	- 0			
DetC3	15,73	385 3		1.487	0		11	
DetC4	15.74	394.4	1,533	1,533	.0			
DetC5	15.72	376.9		1.449	0			
DetC6	15.75	4012	1.567	1.567	. 0			
CONTRIBUTIONS	2004 1000					-		
CONTINUITY CHE					one i	-		
Node	(cu,m)	(cu.m)	Storage Chan (cu m)	Difference				
N4	4022.48	4022.48		0				
N5	440.09	440.09		0		,		
N8	1585.5	1585.5		0				
DetBEx	13202.29	3587.97						
OutBEx	4016.91	4016.91						
DetAEx:	15299.77	15299.78	. 0	0				
N40	15299.78	15299.78	- 0	-0			110	
OutAEx	15299.78	15299.78	0	0				
OutCEx	26519.06	26519.06						
DetB_Prop	11483.98	1615,29	-					
N62	9127.87	9127.87	0					
N63	2159.65	2159.65						
N64	440.09	440.09						
N65 N69	224.69	224.69						
OutB Prop	2277.36 2274.65	2277.35 2274.85						
N75	17892.16	17892.16						
N76	2475.24	2475,24						
N77	3610.76	3610.76						
N78	320.31	320.31	0					
N79	11221.93	11221.93					- +	
OutA_Prop	11210.53	11210.53					-	
DetA_Prop	22047.68	7302.25						
DetC1	2514.77	2514.02					77	
DetD_Prop	26795.02	25435.83					- 1	
DetC2	2384.16	2383.42					- 1	
DetC3 DetC4	2379.93	2379.18			-			
DetC5	2480.18 2281.79	2479.43 2281.05		0				
DOLLO.	6401/9			0				
	2552 20	2552.15						
DetC6	2552.89	2552.15		- 0				
DetC6 N92	28192.02	28192.02	0					
DetC6		28192.02 28186.63	0	- 0				
DetC6 N92 OutC_Prop	28192.02 28186.63	28192.02	0	0				
DetC6 N92 OutC_Prop N95	28192.02 28186.63 9110.22	28192.02 28186.63 9110.22	0 0	0				
DetC6 N92 OutC_Prop N95 N96 N97	28192.02 28186.63 9110.22 1585.5	28192.02 28186.63 9110.22 1585.5	0 0 0	0 0 0				
DetC6 N92 OutC Prop. N95 N96 N97 N168	28192.02 28186.63 9110.22 1585.5 1289.56 1680.28	28192.02 28186.63 9110.22 1585.5 1289.56 1680.28	0 0 0 0 0	0 0 0 0				
DetC6 N92 OutC_Prop N95 N96 N97 N169 N177 N224	28192.02 28186.63 9110.22 1585.5 1289.56 1680.28 1472.01	28192.02 28186.63 9110.22 1585.5 1289.56 1680.28 1472.01	0 0 0 0 0 0	0 0 0 0 0				
DefC6 N92 OutC Prop N95 N96 N97 N169 N177 N124 N232	28192.02 28186.63 9110.22 .1585.5 1289.56 1680.28 1472.01 1510.13	28192.02 28186.63 9110.22 1585.5 1289.56 1680.28 1472.01 1510.13	0 0 0 0 0 0 0	0 0 0 0 0 0 0				
DetC6 N92 OutC Prop N95 N96 N97 N190 N177 N1224 N232 HW22	28192.02 28186.63 9110.22 1585.5 1289.56 1680.28 1472.01 1510.13 196.46 26519.04	28192.02 28186.63 9110.22 1585.5 1289.56 1680.28 1472.01 1510.13 196.46 26519.06	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0				
DefC6 N92 OutC_Prop N95 N96 N97 N97 N98 N198 N177 N224 N232 HWX2 N50	28192.02 28186.63 9110.22 1585.5 1289.56 1680.28 1472.01 1510.13 196.46 26519.04	28192.02 28186.63 9110.22 1585.5 1289.56 1680.28 1472.01 1510.13 196.46 26519.06	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0				
DefC6 N92 OutC Prop. N95 N96 N97 N169 N177 N169 N177 N1224 N232 HW2 N50 N50 N50	28192 02 28186.63 9110 22 1585.5 1289.56 1680.28 1472.01 1510.13 196.48 26519.04 26519.04	28192.02 28186.63 9110.22 1585.5 1289.56 1680.28 1472.01 1510.13 196.46 26519.06 26519.06	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0				
DefC6 N92 OutC_Prop N95 N96 N97 N198 N177 N198 N177 N1224 N224 N232 HW2 N50 N294 N320	28192 02 28186.63 9110 22 1585.5 1289.56 1680.28 1472.01 1510.13 196.46 26519.06 1472.01 773.96	28192.02 28186.63 9110.22 1585.5 1289.56 1680.28 1472.01 1510.13 196.46 26519.06 1472.01 773.96	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0				
DetC6 N92 OutC Prop N95 N96 N97 N196 N177 N198 N177 N224 N232 HW2 N50 N294 N320 N320 N321	28192.02 28186.63 9110.22 1585.5 1289.56 1680.28 1472.01 1510.13 196.46 26519.06 1472.01 773.96	28192.02 28186.63 9110.22 1585.5 1289.56 1680.28 1472.01 1510.13 199.46 26519.06 26519.06 1472.01 773.96	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0				
DefC6 N92 OutC Prop. N95 N96 N97 N169 N177 N169 N177 N224 N232 HW2 N50 N50 N294 N320 N321 N321	28192.02 28186.63 9110.22 1585.5 1289.56 1680.28 1472.01 1510.13 196.46 26519.04 26519.06 1472.01 773.98 26119.06	28192.02 28186.63 9110.22 1585.5 1289.59 1680.28 1472.01 1510.13 196.46 26519.06 26519.06 1472.01 773.96 2611.18	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0				
DetC6 N92 N95 N95 N96 N97 N168 N177 N168 N177 N1224 N224 N232 HWZ N50 N294 N320 N321 N322 N322	28192.02 28186.63 9110.22 1585.5 1289.56 1680.28 1472.01 1510.13 196.46 26519.06 1472.01 773.96 2611.18 291.87	28192.02 28186.63 9110.22 1585.5 1289.56 1680.28 1472.01 1510.13 196.46 26519.06 1472.01 773.96 2611.18 291.87	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				
DetC6 N92 OutC Prop. N95 N96 N97 N196 N177 N198 N177 N1224 N232 HW2 N320 N320 N321 N322 N322 N322 N322 N323	28192.02 28186.63 9110.22 1585.5 1289.56 1680.28 1472.01 1510.13 165.46 26519.04 26519.06 1472.01 773.96 2611.18 291.87 830.86 327.03	28192.02 28186.63 9110.22 1585.5 1289.56 1680.28 1472.01 1510.13 164.02 26519.06 26519.06 26519.06 2611.18 221.87 330.689 327.03	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				
DetC6 N92 OutC Prop N95 N96 N97 N169 N177 N169 N177 N224 N232 HW2 N320 N321 N321 N322 N324 N324 N325	28192 02 28186.63 9110 22 1585.5 1289.56 1680.28 1472.01 1510.13 196.46 28519.04 28519.04 26519.06 1472.01 773.98 2611.18 291.87 8309.69 327.03 113.85	28192.02 28186.03 9110.22 1595.5 1289.56 1880.28 1472.01 1510.13 1995.46 28519.06 26519.06 26519.06 2611.18 221.87 8309.69 327.03 113.85	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				
DetC6 N92 N95 N95 N96 N97 N168 N177 N168 N177 N224 N224 N224 N224 N320 N321 N320 N321 N322 N322 N322 N323 N324 N325 N326	28192.02 28186.63 9110.22 1585.5 1289.56 1680.28 1472.01 1510.13 196.46 26519.04 26519.04 26519.05 2611.18 2611.18 2611.18 327.03 113.85 12335.22	28192.02 28186.63 9110.22 1585.5 1289.56 1680.28 1472.01 1510.13 1994.46 26519.06 26519.06 26519.06 26111.18 291.87 8309.69 327.03 113.85 12355.23	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				
DetC6 N92 OutC Prop N95 N96 N97 N198 N17 N198 N177 N198 N177 N1224 N232 HW2 N323 HW2 N320 N320 N321 N321 N322 N322 N323 N324 N325 N326 N326 N327	28192.02 28186.63 9110.22 1585.5 1289.56 1680.28 1472.01 1510.13 196.46 26519.06 1472.01 773.96 2611.18 291.87 8309.69 327.03 113.85 123.85 123.85 123.85 123.85 8501.64	28192.02 28186.63 9110.22 1585.5 1289.59 1680.28 1472.01 1510.13 196.46 28519.06 28519.06 2611.18 291.87 8309.69 327.03 113.85 1235.23 8501.65	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				
DelC6 N92 OutC Prop. N95 N96 N97 N170 N108 N177 N108 N177 N124 N232 HW2 N50 N294 N320 N321 N322 N324 N323 N324 N324 N325 N326	28192.02 28186.63 9110.22 1585.5 1289.56 1680.28 1472.01 1510.13 196.46 26519.04 26519.04 26519.05 2611.18 2611.18 2611.18 327.03 113.85 12335.22	28192.02 28186.63 9110.22 1585.5 1289.56 1680.28 1472.01 1510.13 1994.46 26519.06 26519.06 26519.06 26111.18 291.87 8309.69 327.03 113.85 12355.23	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				

Run Log for Mooreba				A	FORD OFFICE	OFFICE OFFI	0.05403.05	are person o	F705 OF434	05101 0510	2 05101 54	- C/
The maximum flow e	exceeded the	sale value in II	le following ove	ernow routes. O	roud, OF384,	UF583, UF59	U. OF487, OF	465, OF305, U	F205, GF151,	OF 104, OF 10.	Z, OF IU1, Stag	euscharge_D,
DRAINS results prep	named OO August	et 2011 fram	Vertice 2010 0	0		_	_		_	-	_	
DIAMINO RESUITS PIET	ared us hoge	19, 2011 1011	Version 2010.0	0						-	-	
PIT / NODE DETAIL	6	_		Version 8								-
	Max HGL	Max Pond	Max Surface	Max Pond	Min	Overflow	Constraint					
1	ment (SE	HGL	Flow Arriving	Volume	Freeboard	(cu.m/s)	G S / G A CO C C C C C C C C C C C C C C C C C					
			(cu:m/s)	(cu.m)	(m)							
HW2	12.4	6,295			1.8	. 0	None					
N50	12		0									
SUB-CATCHMENT	DETAILS		1									
Name	Max	Paved	Grassed	Paved	Grassed	Supp.	Due to Storm	-		17		
	Flow Q	Max Q	Max Q	To	To	Tc						
	(cu.m/s)	(cu.m/s)	(cu.m/s)	(min)	(min)	(min)						
CatchB1Ex	0.139	. 0		3	- 8				m, average 18			
CatchC1Ex	0.355	0.298		7	7				m, average 18			
CatchBEx	3.523	1.305	2,218	14.5	24				m, average 18			
CatchAEx	3.825	2.059	1,786	13,75	15				m, average 18			
CatB1_Prop	1.271	1.271	0	9.5	8.5				m, average 18			
CatB1Ext_Prop	0.459	0.458		5	8				m. average 18 m. average 18			
CatB2Ext Prop.	0.071	0		8.5	15.5				m, average 18			
CatA1_Prop	1.181	1.181	0.071	6.5 E	3				m, average 18			
CatA2(Swale)_Prop	0.526	0.526	n	12	11				m average 18			
CatA1Ex_Prop	0.917	0.456	0,481	13.2	8.3				m, average 18			
CatA2Ex_Prop	0.101	0		0	18				m. average 18			
CatCa_Prop	0.534	0.534	0	3	0				m. average 18			
CatCb_Prop	0.507	0.507	0	3	D				m average 18			
CatCc_Prop	0.506	0.506	0	3	0	. 0			m, average 18			
CatCd_Prop	0.527	0.527	. 0	3	0				m, average 18			
CatCe_Prop	0.485	0.485	0	3	0				m, average 18			
CatCf_Prop	0,542	0.542		3	0				m, average 18			
CatC2_Prop	1.936	1,936	0	3	0				m, average 18			
CatCEx1_Prop	0.355	0.298	0.057	7	7				m. average 18			
CatCEx2_Prop	0.322	0.174	0.148	21.7	25				m, average 18			-
Cat_A3_Prop	0.357	0,357	0	3	-0				m, average 18			
Cat Carpark_Ex	0.313	0.313	0	5	0				m average 18			
CatC1_Prop	0.321	0.321	0.000	3	0				m, average 18			
CatB3Ext_Prop CatchCEx	0.062 5.627	3,633	0.062	25	30				m, average 18			
	0.313	0.313	1,994	5	.30				m, average 18			
Cat Carpark_Prop	0.194	0.104	0.089	5	12				m, average 18 m, average 18			
Cat2	0.629	0.104	0.229	7	15				m, average 18 m, average 18			
Cat3	0.073	0.039	0.034	4	8				m, average 18			
Cat4	1.854	1.582	0.271	5	15				m average 18			
Cat5	0.082	0.044	0.038	6	8				m, average 18			
Cat6	0.028	0.015	0.013	6	- 8				m. average 18			
CatA4_Prop	0.815	0.815	0	6	3				m, average 18			
CatA5_Prop	0.92	0.92	- 0	6	3				m, average 18			
CatA6_Prop	0.886	0.886	. 0	- 6	3	. 0	AR&R 20 year	r, 6 hours ston	m, average 18	mm/h. Zone 1	1	
CatB3_Prop	0.669	0.669	. 0	6	3	0	ARSR 20 year	r, 6 hours ston	m, average 18	mm/h, Zone 1	b-	
								54-606			1	
Outflow Volumes for												
				Pervious Runo			1					
	cum			cu.m (Runoff 9								
AR&R 20 year, 6 hd		2027/3:54 (8)	10/44/ 10/95	35326 39 (53.1	26)							
AR&R 20 year, 9 hd AR&R 20 year, 12 h						_						
AR8R 20 year, 181		232965.29 (8-	195623.38 (99	37341.92 (48.1	%)							
		232965.29 (8- 260278.61 (8:	195623.38 (99 218148.44 (99	37341.92 (48.1 42130.17 (48.7	%) %)							
ARSR 20 year 24 H	360722,78	232965.29 (8- 260278.61 (8: 301060.31 (8:	195623.38 (99 218148.44 (99 257317.38 (99	37341.92 (48.1 42130.17 (48.7 43742.93 (42.5	%) %) (%)							
AR&R 20 year, 24 f	360722,78	232965.29 (8- 260278.61 (8: 301060.31 (8:	195623.38 (99 218148.44 (99 257317.38 (99	37341.92 (48.1 42130.17 (48.7	%) %) (%)							
	360722,78	232965.29 (8- 260278.61 (8: 301060.31 (8:	195623.38 (99 218148.44 (99 257317.38 (99	37341.92 (48.1 42130.17 (48.7 43742.93 (42.5	%) %) (%)							
PIPE DETAILS	360722,78	232965.29 (8- 260278.61 (8: 301060.31 (8:	195623.38 (99 218148.44 (99 257317.38 (99	37341.92 (48.1 42130.17 (48.7 43742.93 (42.5	%) %) (%)							
PIPE DETAILS Name	360722,78 405077.25	232965 29 (8- 260278 61 (8- 301060 31 (8- 331860 18 (8-	195623.38 (96 218148.44 (96 257317.38 (96 289138.53 (96	37341.92 (48.1 42130.17 (48.7 43742.93 (42.5 42721.65 (37.4	%) (%) (%) (%) (%)							
PIPE DETAILS Name	360722,78 405077.25 Max O	232965.29 (8- 260278.61 (8- 301060.31 (8- 331860.18 (8- Max V	195623.38 (95 218148.44 (95 257317.38 (95 289138.53 (95 Max U/S	37341.92 (48.1 42130.17 (48.7 43742.93 (42.5 42721.85 (37.4 Max D/S HGL (m)	%) %) %) %) Due to Storm AR&R 20 yea			mm/h, Zone 1				
PIPE DETAILS Name Pipe13 P18	360722.78 405077.25 Max O (cu.m/s) 0.534 0.506	232965 29 (8- 260278.61 (8- 301060.31 (8- 331860.18 (8- Max V (m/s) 0.5	195623.38 (95 218148.44 (95 257317.38 (95 288138.53 (95 Max U/S HGL (m) 15.518	37341.92 (48.1 42130.17 (48.7 43742.93 (42.5 42721.85 (37.4 Max D/S HGL (m) 15.48	%) %) %) %) %) Due to Storm AR&R 20 yea AR&R 20 yea	r, 6 hours stor	m, average 18	mm/h, Zone 1				
PIPE DETAILS Name Pipe13 P18 P20	360722.78 405077.25 Max O (cu.m/s) 0.534 0.506 0.505	232965.29 (8- 260278.61 (8- 301060.31 (8- 331860.18 (8- Max V (m/s) 0.5 0.5	195623 38 (95 216148.44 (95 257317 38 (95 289138.53 (95 Max U/S HGL (m) 15.514 15.514	37341.92 (48.1 42130.17 (48.7 43742.93 (42.5 42721.85 (37.4 Max D/S HGL (m) 15.48 15.48	%) %) %) %) Due to Storm AR&R 20 yea AR&R 20 yea AR&R 20 yea	r, 6 hours stor r, 6 hours stor	m, average 18 m, average 18	mm/h, Zone 1 mm/h, Zone 1				
PIPE DETAILS Name Pipe13 P18 P20 P22	360722,78 405077.25 Max O (cu.m/s) 0.534 0.505 0.526	232965 29 (8- 260278 81 (8- 301060 31 (8- 331860.18 (8- Max V (m/s) 0.5 0.5	195623 38 (95 218148.44 (95 257317.38 (95 288138.53 (95 Max U/S HGL (m) 15.514 15.514 15.517	37341.92 (48.1 42130.17 (48.1 43742.83 (42.5 42721.85 (37.4 Max D/S HGL (m) 15.48 15.48 15.48	%) %) %) %) %) Due to Storm AR&R 20 yea AR&R 20 yea AR&R 20 yea	r, 6 hours stor r, 6 hours stor r, 6 hours stor	m, average 18 m, average 18 m, average 18	l.mm/h, Zane 1 l.mm/h, Zone 1 l.mm/h, Zone 1				
PIPE DETAILS Name Pipe13 P18 P20 P22 P24	360722,78 405077.26 Max O (cu.m/s) 0.534 0.606 0.505 0.526 0.484	232965 29 (8- 260278 61 (8- 301060 31 (8- 331860.18 (8- Max V (m/s) 0.5 0.5 0.5	195623 38 (95 218148.44 (95 257317.38 (95 288138.53 (95 Max U/S HGL (m) 15.518 15.514 15.517 15.517	37341.92 (48.1 42130.17 (48.7 43742.93 (42.2 42721.65 (37.4 42721.65 (37.4 Max DIS HGL (m) 15.48 15.48 15.48 15.48	%) %) %) %) %) Due to Storm AR&R 20 yea	r, 6 hours stor r, 6 hours stor r, 6 hours stor r, 6 hours stor	m, average 18 m, average 18 m, average 18 m, average 18	mm/h, Zone 1 mm/h, Zone 1 mm/h, Zone 1 mm/h, Zone 1				
PIPE DETAILS Name Pipe13 P18 P20 P22 P24 P26	360722,78 405077.25 Max O (cu.m/s) 0.534 0.506 0.505 0.484 0.542	232965 29 (8- 260278.81 (8- 301060.31 (8- 331860.18 (8- Max V (m/s) 0.5 0.5 0.5 0.4	195623 38 (95 218148.44 (95 257317.38 (95 288138.53 (95 Max U/S HGL (m) 15.514 15.514 15.514 15.515 15.512	37341.92 (48.1 42130.17 (48.7 43742.93 (42.2 42721.86 (37.4 42721.86 (37.4 42721.	%) %) %) %) %) Due to Storm AR&R 20 yea AR&R 20 yea AR&R 20 yea AR&R 20 yea AR&R 20 yea	r, 6 hours stor r, 6 hours stor r, 6 hours stor r, 6 hours stor r, 6 hours stor	m, average 18 m, average 18 m, average 16 m, average 16 m, average 18	mm/h, Zone 1 mm/h, Zone 1 mm/h, Zone 1 mm/h, Zone 1 mm/h, Zone 1				
PIPE DETAILS Name Pipe13 P18 P20 P22 P24	360722,78 405077.26 Max O (cu.m/s) 0.534 0.606 0.505 0.526 0.484	232965 29 (8- 260278 61 (8- 301060 31 (8- 331860.18 (8- Max V (m/s) 0.5 0.5 0.5	195623 38 (95 218148.44 (95 257317.38 (95 288138.53 (95 Max U/S HGL (m) 15.514 15.514 15.517 15.512 15.519	37341.92 (48.1 42130.17 (48.7 43742.93 (42.2 42721.86 (37.4 42721.86 (37.4 42721.	%) %) %) %) %) Due to Storm AR&R 20 yea AR&R 20 yea AR&R 20 yea AR&R 20 yea AR&R 20 yea	r, 6 hours stor r, 6 hours stor r, 6 hours stor r, 6 hours stor r, 6 hours stor	m, average 18 m, average 18 m, average 16 m, average 16 m, average 18	mm/h, Zone 1 mm/h, Zone 1 mm/h, Zone 1 mm/h, Zone 1				
PIPE DETAILS Name Pipe13 P18 P20 P22 P24 P26 P10	360722.78 405077.25 Max O (cu.m/s) 0.534 0.506 0.505 0.526 0.484 0.542 6.295	232965 29 (8- 260278.81 (8- 301060.31 (8- 331860.18 (8- Max V (m/s) 0.5 0.5 0.5 0.4	195623 38 (95 218148.44 (95 257317.38 (95 288138.53 (95 Max U/S HGL (m) 15.514 15.514 15.514 15.515 15.512	37341.92 (48.1 42130.17 (48.7 43742.93 (42.2 42721.86 (37.4 42721.86 (37.4 42721.	%) %) %) %) %) Due to Storm AR&R 20 yea AR&R 20 yea AR&R 20 yea AR&R 20 yea AR&R 20 yea	r, 6 hours stor r, 6 hours stor r, 6 hours stor r, 6 hours stor r, 6 hours stor	m, average 18 m, average 18 m, average 16 m, average 16 m, average 18	mm/h, Zone 1 mm/h, Zone 1 mm/h, Zone 1 mm/h, Zone 1 mm/h, Zone 1				
PIPE DETAILS Name Pipe13 P18 P20 P22 P24 P26 P10 GHANNEL DETAILS	360722.78 405077.25 Max O (cu.m/s) 0.534 0.505 0.505 0.526 0.484 0.542 6.295	232965 29 (8- 260278 5) (8- 301060 3) (8- 331860.18 (8- 33	195623 38 (95 218148.44 (95 257317.38 (95 288138.53 (95 Max U/S HGL (m) 15.514 15.514 15.514 15.514 15.515 15.519	37341.92 (48.1 42130.17 (48.7 42742.93 (42.9 42721.85 (37.4 42721.85 (37.4 Max D/S HGL (m) 15.48 15.48 15.48 15.48 15.48 15.48	%) %) %) %) %) %) Due to Storm AR&R 20 yea	r, 6 hours stor r, 6 hours stor r, 6 hours stor r, 6 hours stor r, 6 hours stor	m, average 18 m, average 18 m, average 16 m, average 16 m, average 18	mm/h, Zone 1 mm/h, Zone 1 mm/h, Zone 1 mm/h, Zone 1 mm/h, Zone 1				
PIPE DETAILS Name Pipe13 P18 P20 P22 P24 P24 P28 P10 CHANNEL DETAILS Name	360722,78 405077.25 Max O (cu.m/s) 0.534 0.506 0.505 0.526 0.484 0.542 6.295	232965 29 (8- 260278 51 (8- 260278 51) (8- 331860.18 (8- 331860.18 (8- 0.5- 0.5- 0.5- 0.5- 0.4- 0.5- 0.5- 0.5- 0.5- 0.4- 0.5- 0.5- 0.5- 0.5- 0.5- 0.5- 0.5- 0.5	195623 38 (95 218148.44 (95 257317.38 (95 288138.53 (95 Max U/S HGL (m) 15.514 15.514 15.517 15.512 15.519 12.055	37341-92 (45 1 42130.17 (48.7 43742.93 (42.9 42721.85 (37.4 43742.93 (42.9 42721.85 (37.4 42721.85 (37.4 42721.85 (37.4 15.48 15.48 15.48 15.48 15.48	%) %) %) %) %) Due to Storm AR&R 20 yea AR&R 20 yea AR&R 20 yea AR&R 20 yea AR&R 20 yea	r, 6 hours stor r, 6 hours stor r, 6 hours stor r, 6 hours stor r, 6 hours stor	m, average 18 m, average 18 m, average 16 m, average 16 m, average 18	mm/h, Zone 1 mm/h, Zone 1 mm/h, Zone 1 mm/h, Zone 1 mm/h, Zone 1				
PIPE DETAILS Name Pipe13 P18 P20 P22 P24 P24 P28 P10 CHANNEL DETAILS Name	360722.78 405077.25 Max O (cu.m/s) 0.534 0.505 0.505 0.526 0.484 0.542 6.295	232965 29 (8- 260278 5) (8- 301060 3) (8- 331860.18 (8- 33	195623 38 (95 218148.44 (95 257317.38 (95 288138.53 (95 Max U/S HGL (m) 15.514 15.514 15.514 15.514 15.515 15.519	37341.92 (48.1 42130.17 (48.7 42742.93 (42.9 42721.85 (37.4 42721.85 (37.4 Max D/S HGL (m) 15.48 15.48 15.48 15.48 15.48 15.48	%) %) %) %) %) %) Due to Storm AR&R 20 yea	r, 6 hours stor r, 6 hours stor r, 6 hours stor r, 6 hours stor r, 6 hours stor	m, average 18 m, average 18 m, average 16 m, average 16 m, average 18	mm/h, Zone 1 mm/h, Zone 1 mm/h, Zone 1 mm/h, Zone 1 mm/h, Zone 1				
PIPE DETAILS Name Pipe13 P18 P20 P22 P24 P26 P10 GHANNEL DETAILS Name	360722.78 405077.25 Max O (cu.m/s) 0.534 0.506 0.505 0.526 0.542 6.295 6.295	232965 29 (8- 260278 51 (8- 260278 51) (8- 331860.18 (8- 331860.18 (8- 0.5- 0.5- 0.5- 0.5- 0.4- 0.5- 0.5- 0.5- 0.5- 0.4- 0.5- 0.5- 0.5- 0.5- 0.5- 0.5- 0.5- 0.5	195623 38 (95 218148.44 (95 257317.38 (95 288138.53 (95 Max U/S HGL (m) 15.514 15.514 15.517 15.512 15.519 12.055	37341-92 (45 1 42130.17 (48.7 43742.93 (42.9 42721.85 (37.4 43742.93 (42.9 42721.85 (37.4 42721.85 (37.4 42721.85 (37.4 15.48 15.48 15.48 15.48 15.48	%) %) %) %) %) %) Due to Storm AR&R 20 yea	r, 6 hours stor r, 6 hours stor r, 6 hours stor r, 6 hours stor r, 6 hours stor	m, average 18 m, average 18 m, average 16 m, average 16 m, average 18	mm/h, Zone 1 mm/h, Zone 1 mm/h, Zone 1 mm/h, Zone 1 mm/h, Zone 1				
PIPE DETAILS Name Pipe13 P18 P20 P22 P24 P24 P26 P10 CHANNEL DETAILS Name OVERFLOW ROUT	360722.78 405077.25 Max O (cu.m/s) 0.534 0.506 0.505 0.526 0.542 6.295 6.295	232965 29 (8- 260278 51 (8- 301060 31 (8- 331860 18 (8- 0- 0-5- 0-5- 0-5- 0-5- 0-5- 0-5- 0-5-	195623 38 (95 218148.44 (95 257317.38 (95 288138.53 (95 Max U/S HGL (m) 15.514 15.514 15.517 15.512 15.519 12.055	37341-92 (45 1 42130.17 (48.7 43742.93 (42.9 42721.85 (37.4 43742.93 (42.9 42721.85 (37.4 42721.85 (37.4 42721.85 (37.4 15.48 15.48 15.48 15.48 15.48	%) %) %) %) %) %) Due to Storm AR&R 20 yea	r, 6 hours stor r, 6 hours stor r, 6 hours stor r, 6 hours stor r, 6 hours stor	m, average 18 m, average 18 m, average 16 m, average 16 m, average 18	mm/h, Zone 1 mm/h, Zone 1 mm/h, Zone 1 mm/h, Zone 1 mm/h, Zone 1				
PIPE DETAILS Name Pipe13 P18 P20 P22 P24 P24 P26 P10 CHANNEL DETAILS Name OVERFLOW ROUT	380722.78 405077.25 Max O (cu.m/s) 0.534 0.506 0.506 0.506 0.506 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526	232965 29 (8- 260278 51 (8- 260278 51) (8- 331860.18 (8- 331860.18 (8- 0.5- 0.5- 0.5- 0.5- 0.4- 0.5- 0.5- 0.5- 0.5- 0.4- 0.5- 0.5- 0.5- 0.5- 0.5- 0.5- 0.5- 0.5	195623 38 (95 218148.44 (95 257317.38 (95 288138.53 (95 Max U/S HGL (m) 15.514 15.514 15.517 15.519 12.056 Chainage (m)	37341-92 (48 1 42130.17 (48.7 43742.93 (42.9 42721.85 (37.4 43742.93 (42.9 42721.85 (37.4 42721.85 (37.4 42721.85 (37.4 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48	%) %) %) %) Due to Storm AR&R 20 yea Due to Storm	r, 6 hours stor r, 6 hours stor	m, average 18 m, average 18 m, average 16 m, average 16 m, average 18 m, average 18	mm/h, Zone 1		rm, average 1	1.7 mm/n, 2on	e1
PIPE DETAILS Name Pipe13 P18 P20 P22 P24 P28 P10 CHANNEL DETAILS Name OVERFLOW ROUT	360722.78 405077.26 Max O (cu.m/s) 0.534 0.506 0.505 0.505 0.505 6.295 6.295 6.295 6.295 6.295 6.295 6.295 6.295 6.295	232965 29 (8- 260278 51 (8- 260278 51) (8- 331860.18 (8- 3	195623 38 (95 218148.44 (95 257317.38 (95 288138.53 (95 Max U/S HGL (m) 15.514 15.514 15.515 15.519 12.055 Chainage (m)	37341.92 (48.1 42130.77 (48.7 43742.93 (42.9 42721.85 (37.4 Max D/S HGL (m) 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48	%) %) %) %) %) %) %) %) %) Make to Storm AR&R 20 yea Due to Storm Max DxV	r, 6 hours stor r, 6 hours stor	m, average 18 m, average 18 m, average 16 m, average 16 m, average 18 m, average 18 m, average 18	mm/h, Zone 1	r, 12 hours sto		1.7 mm/h, Zon	
PIPE DETAILS Name Pipe13 P18 P20 P22 P24 P26 P10 CHANNEL DETAILS Name OVERFLOW ROUT Name OF9 OF12	360722.78 405077.25 405077.25 Max O (cu.m/s) 0.534 0.506 0.505 0.526 0.484 0.542 6.295 8 Max O (cu.m/s) 1.006	232965 29 (8- 260278 51 (8- 260278 51) (8- 331860.18 (8- 3	195623 38 (95 218148.44 (95 257317.38 (95 288138.53 (95 Max U/S HGL (m) 15.514 15.514 15.517 15.512 12.055 Chainage (m) Safe O 7.865 7.865	37341.92 (48.1 42130.77 (48.7 42710.77 (48.7 42771.85 (37.4 42771.85 (37.4 42771.85 (37.4 42771.85 (37.4 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48	%) %) %) %) %) %) %) Due to Storm AR&R 20 yea Due to Storm Max DxV 0.09	r, 6 hours stor r, 6 hours stor	m, average 18 m, average 18 m, average 18 m, average 16 m, average 18 m, average 18 m, average 18 Max V 0.98	mm/h, Zone 1	r, 12 hours sto	n, average 18	mm/h, Zone 1	
PIPE DETAILS Name Pipe13 P18 P20 P22 P24 P28 P10 CHANNEL DETAILS Name OVERFLOW ROUT Name OF9 OF12 OF26	380722.78 405077.25 405077.25 Max O (cu.m/s) 0.534 0.506 0.506 0.506 0.506 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.5	232965 29 (8- 260278 51 (8- 260278 51) (8- 331860.18 (8- 331860.18 (8- 0.5- 0.5- 0.5- 0.5- 0.5- 0.5- 0.5- 0.5	195623 38 (95 218148.44 (95 257317.38 (95 288138.53 (95 Max U/S HGL (m) 15.514 15.514 15.517 15.512 12.055 Chainage (m) Safe O 7.865 7.865	37341.92 (48.1 42130.77 (48.7 43742.93 (42.9 42721.85 (37.4 43742.93 (42.9 42721.85 (37.4 42721.85 (37.4 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.40 12.005	%) %) %) %) %) %) %) Due to Storm AR&R 20 yea Oue to Storm Max DxV 0.09 0.02	r, 6 hours stor r, 6 hours stor d hours stor Max Width 22 23 11.81	m, average 18 0.98 0.98	mm/h, Zone 1	r, 12 hours sto r, 6 hours stor r, 6 hours stor	n, average 18 n, average 18	mm/h, Zone 1	
PIPE DETAILS Name Pipe13 P18 P20 P22 P24 P26 P10 CHANNEL DETAILS Name OVERFLOW ROUT Name OF9 OF12 OF26 OF11 OF19	380722.78 405077.25 405077.25 Max O (cu.m/s) 0.534 0.506 0.506 0.506 0.506 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 0.526 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m, average 18 m, average 1 m, average 18	mm/h, Zone 1 mm/h, Zone 1 1,7 mm/h, Zon mm/h, Zone 1	g 1
PIPE DETAILS Name Pipe 13 P18 P20 P22 P24 P28 P10 CHANNEL DETAILS Name OVERFLOW ROUT Name OF9 OF12 OF26 OF1 OF19 OF17	360722.78 405077.26 405077.26 (cu.m/s) 0.534 0.506 0.505 0.505 0.542 6.295 (cu.m/s) E DETAILS Max O U/S 1.108 0.139 0.395 1.075 3.466 3.464	232965 29 (8- 260278 5) (8- 260278 5) (8- 331860.18 (8- 33	195623 38 (95 218148.44 (95 257317.38 (95 288138.53 (95 462 (195) (195) (195) (195) (195) 15.514 15.514 15.515 12.055 Chainage (m) Safe O 7.665 7.665 7.665 7.665 7.665	37341.92 (48.1 42130.77 (48.7 43742.93 (42.8 42721.85 (37.4 42721.85 (37.4 42721.85 (37.4 42721.85 (37.4 42721.85 (37.4 15.48 15.48 15.48 15.48 12.005 448 449 449 449 449 449 449 449	%) %) %) %) %) %) %) %) %) %) Due to Storm AR&R 20 yea Oue to Storm Max DaV 0.09 0.09 0.19 0.19	r, 6 hours stor r, 6 hours stor	m, average 18 m, average 18 m, average 16 m, average 16 m, average 18 m, average 18 Max V 0.98 0.56 0.72 0.98	mm/h, Zone 1 mm/h, Zone 1	r, 12 hours stor r, 6 hours stor r, 6 hours stor r, 12 hours sto r, 6 hours stor r, 6 hours stor	m, average 18 m, average 18 rm, average 18 m, average 18 m, average 18	mm/h, Zone 1 mm/h, Zone 1 1.7 mm/h, Zone mm/h, Zone 1 mm/h, Zone 1	q 1
PIPE DETAILS Name Pipe13 P18 P20 P22 P24 P26 P10 CHANNEL DETAILS Name OVERFLOW ROUT Name OF9 OF12 OF26 OF11 OF19 OF17 Stage Discharge_B	360722.78 405077.25 405077.25 Max O (cu.m/s) 0.534 0.506 0.526 0.484 0.542 6.295 6.295 6.295 6.306 Max O U/S Max O U/S 1.109 0.139 0.139 0.355 1.0755 3.46 0.755	232965 29 (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) 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PIPE DETAILS Name Pipe13 P18 P20 P22 P24 P26 P10 CHANNEL DETAILS Name OVERFLOW ROUT Name OF9 OF12 OF26 OF14 OF19 OF19 OF19 OF19 OF13 OF19 OF13	380722.78 405077.25 405077.25 Max O (cu.m/s) 0.534 0.506 0.526 0.484 0.542 6.295 Max O (cu.m/s) E DETAILS Max O U/S 1.108 0.335 1.033 3.46 3.46 3.47 1.753	232965 29 (8- 260278 51 (8- 260278 51) (8- 331860.18 (8- 331860.18 (8- 331860.18 (8- 0.5- 0.5- 0.5- 0.5- 0.5- 0.5- 0.5- 0.5	195623 38 (95 218148.44 (95 218148.44) (95 27817.38 (95 288138.53 (95 48138.53 (95	37341.92 (48.1 42130.77 (48.7 43742.93 (42.2 42721.85 (37.4 42721.85 (37.4 42721.85 (37.4 42721.85 (37.4 42721.85 (37.4 15.48 15.48 15.48 15.48 15.48 15.48 15.48 10.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05 40.05	%) %) %) %) %) %) %) %) %) Due to Storm AR&R 20 yea 0.09 0.02 0.04 0.09 0.19 0.07 0.19	r, 6 hours stor. r, 7 hours stor. r, 8 hours stor. r, 9 h	m, average 18 m, average 18 m, average 16 m, average 16 m, average 16 m, average 18 m,	mm/h, Zone 1 mm/h, Zone 1 Due to Storm ARSR 20 yea ARSR 20 yea	r, 12 hours stor r, 6 hours stor r, 6 hours stor r, 12 hours stor r, 6 hours stor r, 6 hours stor r, 18 hours stor r, 6 hours stor	m, average 18 m, average 18 m, average 1 m, average 18 m, average 18 m, average 9 m, average 18	mm/h, Zone 1 mm/h, Zone 1 1.7 mm/h, Zone mm/h, Zone 1 mm/h, Zone 1 1.9 mm/h, Zone 1 mm/h, Zone 1	e 1
PIPE DETAILS Name Pipe13 P18 P20 P22 P24 P28 P10 CHANNEL DETAILS Name OVERFLOW ROUT Name OF19 OF12 OF10 OF11 OF19 OF13 OF14 OF643 OF644	380722.78 405077.26 405077.26 (cu.m/s) 0.534 0.506 0.505 0.505 0.542 6.295 (cu.m/s) E DETAILS Max O U/S 1.109 0.1393 0.395 1.075 3.466 0.753 0.458	232965 29 (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (9-260278 5) (9-260278 5) (9-260278 5) (9-260278 5) (9-260278 5) (9-260278 5) (9-260278 5) (9-260278 5) (9-260278 5) (9-260278 5) (9-260278 5) (9-260278 5) (9-260278 5) (9-260278 5) (9-260278 5) (9-260278 5) (9-260278 5) (9-260278 5) (9-260278 5) (9-260278 5) (9-260278 5) (9-260278 5) (9-260278 5) (9-260278 5) (9-260278 5) (9-260278 5) (9-260278 5) (9-260278 5) (9-260278 5) (9-260278 5) (9-260278 5) (9-260278 5) (9-260278 5) (9-260278 5) (9-260278 5) (9-260278 5) (9-260278 5) (9-260278 5) (9-260278 5) (9-260278 5) (9-260278 5) (9-260278 5) (9-260278 5) (9-260278 5) (9-260278 5) (9-260278 5) (9-260278 5) 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PIPE DETAILS Name Pipe 13 P18 P20 P22 P24 P28 P10 CHANNEL DETAILS Name OVERFLOW ROUT Name OF19 OF12 OF26 OF1 OF19 OF14 OF43 OF44 OF46 OF47 OF59 OF47 OF59 OF59 OF59 OF59	380722.78 405077.25 405077.25 405077.25 405077.25 5 6295 6295 6295 6295 6295 6295 6295	232965 29 (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-26027	195623 38 (95 218148.44 (95 218148.44 (95 257317.38 (95 288138.53 (95 8181.5514 15.514 15.514 15.514 15.515 12.055 Chainage (m) Safe O 7.665 7.665 7.665 7.665 7.665 7.665 7.665 7.665 7.665 7.665 7.665 7.665 7.665 7.665	Max D/S HGL (m) 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15.48 15	%) %) %) %) %) %) %) %) %) %) %) %) %) %	Max Width Max Width 22 23 11.81 15.41 21.87 33.01 19.54 24.83 24.83 24.83 24.83 25.84 26.86 26.86 27.87 27.88	m, average 18 m,	mm/h, Zone 1 mm/h,	r, 12 hours stor r, 6 hours stor	m. average 18 m. average 9 m. average 18	mm/h, Zone 1 1.7 mm/h, Zone 1 1.7 mm/h, Zone 1 1.7 mm/h, Zone 1 imm/h, Zone 1	e1
PIPE DETAILS Name Pipe13 P18 P20 P18 P20 P22 P24 P26 P10 CHANNEL DETAILS Name OF9 OF12 OF12 OF13 OF17 StageDischarge_B OF44 OF46 OF46 OF47 OF58 OF59 OF59 OF59 OF59 OF59 OF59 OF59 OF59	380722.78 405077.25 405077.25 Max O (cu.m/s) 0.534 0.506 0.526 0.484 0.542 6.295 6.295 6.295 1.109 0.139 0.395 1.409 0.139 0.395 1.409 0.459 0.753 1.409 0.459 0.459 0.459 0.5071	Max V (m/s) Max V (m/s) 0.5 0.5 0.5 0.4 0.5 0.5 0.5 0.5	195623 38 (95 218148.44 (95 257317.38 (95 257317.38 (95 289138.53 (95 Max U/S HGL (m) 15.518 15.514 15.514 15.517 15.512 15.519 12.055 Chainage (m) Safe O 7.965 7.665 7.665 7.665 7.665 7.665 7.665 7.665 7.665 7.665 7.665 7.665 7.665 7.665 7.665 7.665 7.665 7.665 7.665 7.665 7.665 7.665 7.665 7.665 7.665 7.665	37341-92 (48 1 42130.17 (48.7 43742.93 (42.8 42721.85 (37.4 43742.93 (42.8 42721.85 (37.4 43742.93 (42.8 42721.85 (37.4 43742.93 (42.8 42721.85 (37.4 42.8 42.8 42.8 42.8 43.4 43.4 43.4 43.4 43.4 43.4 43.4 43	96) 96) 976) 976) 976) 9776) 978) Due to Storm AR&R 20 yea AR&R 20 y	Max Width 2233 11.81 15.41 21.87 33.01 19.54 20.79 10.91 10.91 10.91	m, average 18 m,	mm/h, Zone 1 mm/h,	r, 12 hours stor r, 6 hours stor r, 6 hours stor r, 12 hours stor r, 18 hours stor r, 18 hours stor r, 6 hours stor	m. average 18	mm/h, Zone 1 mm/h, Zone 1 1.7 mm/h, Zone 1 1.7 mm/h, Zone 1 1.7 mm/h, Zone 1 1.9 mm/h, Zone 1 1.9 mm/h, Zone 1 1.9 mm/h, Zone 1 1.9 mm/h, Zone 1 1.19 mm/h, Zone 1	e1
PIPE DETAILS Name Pipe 13 P18 P20 P22 P24 P28 P10 CHANNEL DETAILS Name OVERFLOW ROUT Name OF19 OF12 OF26 OF1 OF19 OF14 OF43 OF44 OF46 OF47 OF59 OF47 OF59 OF59 OF59 OF59	380722.78 405077.25 405077.25 405077.25 405077.25 5 6295 6295 6295 6295 6295 6295 6295	232965 29 (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) (8-260278 5) 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imm/h, Zone 1	e1.

StageDischarge_D	5.301	5.301	7.665	.0.172	0.25	38.4	1.48	AR&R 20 year, 5 hours sto	m. average 18 mm	1/h. Zone 1
OF550	0	0		0	0		0			
OF551	0	0		0.	0		0			
OF552	- 0	0	7,665	O	0	- 0	0		11.	
OF553	. 0	0		. 0	.0		0			
OF554	0	- 0		0	- 0		- 0			
OF102	5.916	5.918		0.18	0.27	40.01		AR&R 20 year, 6 hours sto		
OF101	1.936	1.936		0.115	0.13	26,9		AR&R 20 year. 6 hours sto		
OF131	0.355	0.355		0.057	0.04	15.41		AR&R 20 year, 6 hours sto		
OF104	0.322	0.322		0.055	0.04	15.05		AR&R 20 year, 6 hours sto		
OF205 OF485	0.357 0.313	0.357	7,665 7,665	0.057	0.04	15.41		AR&R 20 year, 6 hours sto		
0F305	0.313	0.313	7.665	0.054	0.04	14.87		AR&R 20 year, 6 hours sto AR&R 20 year, 5 hours sto		
OF340	0.062	0.062		0.034	0.04	9.73		AR&R 20 year, 6 hours sto		
OF28	0.002	0.002		0.025	0.01	5.73	0.44	Andr 20 year, 0 mous sid	in, average to initi	III, Zone 1
OF30	6.295	6.295		0.185	0.28	40.91	1.54	AR&R 20 year, 6 hours sto	m. average 18 mm	/h. Zone 1
OF487	0.313	0.313		0.054	0.04			AR&R 20 year, 6 hours sto		
OF594	2.621	2.621	7.665	0.13	0.16	29.95		AR&R 20 year, 6 hours sto		
OF593	1.806	1.806	7.665	0.111	0.12	26.18	1.12	AR&R 20 year, 6 hours sto	m, average 18 mm	ı/h, Zone 1
OF590	0.886	0.886	7,665	0.083	80.0	20.61	0.92	AR&R 20 year, 5 hours sto	m. average 18 mm	i/h, Zone 1
OF600	0.669	0.669	7.665	0.074	0.06	18.82	0.85	AR&R 20 year, 6 hours sto	m, average 18 mm	i/h, Zone 1
OFFERINGE BLOC	DETENCE.									
DETENTION BASIN		Manadal	Man O	May O	Mari O		_			
Name	Max WL	MaxVol	Max Q	Max Q	Max Q					-
DetBEx	14.72	12778.5	Total 1.075	Low Level	High Level 1.075					
DetAEx	14.07	3022.5		0	3.46		_		-	
DetB_Prop	15,87	18649.8		0	0.753					-
DetA_Prop	15.58	23523.9		0	0.96		1		1	
DetC1	15.53	220.8		0.534	0.20					
DetD_Prop	15.48	7982.5		0.554	5.301					1
DetC2	15.52	217.3		0.506	0.501					
DetC3	15.52	217,2		0.505	0					
DetC4	15,52	219,9		0.526	.0					1
DetC5	15,52	214.7		0.484	0					
DetC6	15.53	221.9		0.542	0				1	
	-									
CONTINUITY CHE					ne 1	9 = =	1		P - 50-	- 1
Note	Inflow	Outflow	Storage Chan							
	(cu.m)	(cu.m)	(cu.m)	%		1				
N4	10685.45	10685.45		- 0		_				
N5	615.82	615.82								
NB.	2381.69	2381.69		0						
DetBEx CoulDE	19264.64	10075.07	9192,23							
OutBEc	10680.01	10680.01				_				
DetAEx MAD	22564,03	22564					-		t	
N40 OutAEx:	22564 22564	22564 22564		0		_	_		-	
OutAEX	39522.07	39522.07		0					1	
DetB_Prop	17382.14	4089.73								
N62	13833.99	13834.22							1	_ +
N63	3273.11	3273.11					-	-	-	
N64	615.82	615.82								
N65	315.6	315.6							1 1	
N69	5018	5017.98								
OutB_Prop	5014.83	5014.83								
N75	27116.88	27116.9								
N76	3751.43	3751.43				4				
N77	5302.78	5302.78								
N78	450.42	450.42				1	1,		0;	
N79	23086.73	23086.71	- 0	O.					1	
OutA_Prop	23074.75	23074.75		0		1	12-27	F	r = 10	
DetA_Prop	33415,02	17345.45					1	A	pl Ch	
DetC1	3811.34	3810.68								
DetD_Prop	40591.9	39837.63		. 0			1			
DetC2	3613.4	3612.74								
DetC3	3606.96	3606.32						-	1	
DetC4	3758.89	3758.25								
DetC5	3458.23	3457.6								
DetC6 N92	3869.14 43970.65	3858.47 43970.64					-		-	+
OutC Prop	43970.65	439/0.64								
N95	13807.34	13807.34								
N96	2381.69	2381.69				,			f	
N97	1905.04	1905,04								
N169	2546.6	2546.6								
N177	2230.95	2230.95					1			
N224	2288.74	2288.74							1 1	
N232	274.91	274.91				-				
HW2	39522.06	39522.07								
N50	39522.07	39522.07							P	
N294	2230.95	2230.96				4				4
N320	1140.85	1140.85				-				
N321	3876.56	3876.56				4			1,	
N322	429.89	429.89				j			1.	
N323	12498.13	12498.13				7				-
N324	481.67	461.67								
N325	167.68	167.68								1 2 2 3
N326	18694.93	18695.02			1 = 0					1
N327	12884.85	12884.95								
N328	6321.49	6321.49								
N329	4768.99	4768.99	0	0						
				4						
Run Log for Mooreb	bank_REV02 r	un at 10:33:19	on 9/8/2011							
	0.78								7	
The following deten	tion basins ha	ye little effect (less than 2%) i	n reducing peal	discharge: [DetC6 DetC5	DetC4 DetC	3. DetC2. DetC1 You m	ght consider upsizi	ng these, or removing them

DRAINS Model Name and File Path: F \AA003210\D-Calculations\C-Civil\Stormwater\DRAINS\Post PEA\Moorebank_REV02-20110713.dm

DRAINS Version: 2010.09 - 5 August 2010 Modeller's Name: hris McClella Moorebank OSD Description: DRAINS results prepared 09 August, 2011 from Version 2010.09 RESULTS PIT / NODE DETAILS Version 8 100 YEAR ARI Max Pond Max Surface Max Pond Max HGL Name Min Overflow Constraint Flow Amiving Volume Freeboard (cu.m/s) (cu.m/s) cu.m) 13.38 12.74 IW2 0.82 D None 13.28 **V50** SUB-CATCHMENT DETAILS aved Grassed Paved Grassed Que to Ston Supp Flow O Max Q Max O (cu:m/s) (cu.m/s) (cu.m/s) (min) (min) (min) 0.465 0.46 Catch B1Ex AR&R 100 year, 20 minutes storm, average 126 mm/n, Zone 1 Catch C1Ex 1.034 0.197 D AR&R 100 year, 20 minutes storm, average 126 mm/h, Zone 1 CatchBEx 3.07 4.462 143 0 AR&R 100 year, 2 hours storm, average 46.1 mm/h, Zone 1 15 9.881 5.94 13.75 0 AR&R 100 year, 20 minutes storm, average 126 mm/h, Zone 1 4.547 4.547 atB1_Prop 0 AR&R 100 year, 20 minutes storm, average 126 mm/h, Zone 1 1.5 1.51 9.5 8.5 0 AR&R 100 year, 20 minutes storm, average 126 mm/h, Zone 1 0.465 0 AR&R 100 year, 20 minutes storm, average 126 mm/h, Zone 1 CatB1Ext Prop 0.465 0,17 0.17 8.5 15.5 0 AR&R 100 year, 1 hour storm, average 69.7 mm/h, Zone 1 CatB2Ext_Prop 4.224 4.224 0 AR8R 100 year, 20 minutes storm, average 126 mm/h, Zone 1 CatA2(Swale) Pro 1.595 1.595 12 11 0 AR&R 100 year, 20 minutes storm, average 126 mm/h, Zone 1 1.33 1.531 0 AR&R 100 year, 20 minutes storm, average 126 mm/h, Zone 1 0 AR&R 100 year, 1.5 hours storm, average 54.9 mm/h, Zone 1 CatA1Ex Prop 2.808 13.2 8.3 CatA2Ex_Prop 0.231 0.231 18 CatCa_Prop 2.216 2.216 0 AR&R 100 year, 5 minutes storm, average 224 mm/h, Zone 1 atCb Prop 2.101 2.101 0 AR&R 100 year, 5 minutes storm, average 224 mm/h, Zone 1 CatCo Prop 2.098 2.09 0 AR&R 100 year, 5 minutes storm; average 224 mm/h, Zone 1 CatCd_Prop 2.186 2.18 0 AR&R 100 year, 5 minutes storm, average 224 mm/h, Zone 1 2,011 atCe_Prop 2.011 0 AR&R 100 year, 5 minutes storm, average 224 mm/n, Zone 1 CatCf Prop 2.25 2.25 0 AR&R 100 year, 5 minutes storm, average 224 mm/h, Zone 1 8.029 0 AR&R 100 year, 5 minutes storm, average 224 mm/h, Zone 1 CatC2 Prop 8.029 1.231 1.034 0.197 0 AR&R 100 year, 20 minutes storm, average 126 mm/h, Zone 1 CatCEx1_Prop 0.656 0.288 0 AR&R 100 year, 1.5 hours storm; average 54.9 mm/h, Zone 1 CatCEX2_Prop 0.39 Cat A3 Prot 1.48 1.461 0 AR&R 100 year, 5 minutes storm, everage 224 mm/h, Zone 1 Cat Carpark Ex 1.228 1.228 0 AR&R 100 year, 5 minutes storm, average 224 mm/h, Zone 1 1.331 1.331 CatC1_Prop 0 AR&R 100 year, 5 minutes storm, average 224 mm/h, Zone 1 CatB3Ext Prop 0.208 0.208 0 AR&R 100 year, 20 minutes storm, average 126 mm/h, Zone 1 7.69 CatchCE 10.98 3 593 30 0 AR&R 100 year, 1 hour storm, everage 69.7 mm/h, Zone 1 Cat Carpark_Prop 1.228 0 AR&R 100 year, 5 minutes storm, average 224 mm/h, Zone 1 0.618 0.248 0 AR&R 100 year, 25 minutes storm, average 112 mm/h, Zone 1 0.378 12 Cat1 1.839 1.346 0.548 15 0 AR&R 100 year, 25 minutes storm, average 112 mm/h, Zone 1 Cet3 0.25 0.142 0.11 0 AR&R 100 year, 25 minutes storm, average 112 mm/h, Zone 1 Cat4 6.471 6.213 0.259 45 0 AR&R 100 year, 5 minutes storm, average 224 mm/h, Zone 1 0.276 0.153 0.124 Cat5 0 AR&R 100 year, 25 minutes storm, average 112 mm/h, Zone 1 0 AR&R 100 year, 25 minutes storm, average 112 mm/h, Zone 1 0.096 0.043 CatA4_Prop 2.914 2.914 0 AR&R 100 year, 20 minutes storm, average 126 mm/h, Zone 1 CatA5_Prop 3.292 AR&R 100 year, 20 minutes storm, average 126 mm/h, Zone 1 0 AR&R 100 year, 20 minutes storm, average 126 mm/h, Zone 1 CatA6 Prop. 3.171 3.171 2.392 0 AR&R 100 year, 20 minutes storm, average 126 mm/h, Zone 1 Outflow Volumes for Total Catchment (156 impervious + 61.6 pervious = 218 total ha) Total Rainfall Total Runoff Impervious Ru Pervious Runoff cu.m (Runoff cu.m (Runoff 9 AR&R 100 year, 5 n 40705.43 32100.10 (78 27647.31 (94 4452.79 (38.7%) AR&R 100 year, 10 62511.91 52822.48 (84 43296.53 (96 9525.95 (54.0%) AR&R 100 year, 15 67964.89 (86 54772.67 (97 13192 22 (59.5%) AR&R 100 year, 20 91587.23 80290.73 (87, 64162.38 (97, 16128.35 (62.4%) AR&R 100 year, 25 101763 58 89556 05 (88 71465 52 (97 118090 52 (63 0%) AR&R 100 year, 30 111213.05 98245.21 (88 78246.95 (98 19998.26 (63.7%) AR&R 100 year, 45 134273.41 119478.42 (8494796.08 (98. 24682.35 (65.1%) AR&R 100 year, 1 h 151991.16 135745.67 (81 107511.19 (9) 28234.48 (65.8%) AR&R 100 year, 1.5 179576.36 160892.24 (8 127307.49 (98 33584.75 (66.2%) 201055.77 180304.16 (8) 142721.55 (98 37582.62 (66 2%) AR&R 100 year, 2h 234855 8 210569 45 (84166978.94 (98 AR&R 100 year, 3 h AR&R 100 year, 4.5 272799.09 243546.58 (84194210.94 (9949335.64 (64.1%) P)PE DETAILS Max Q Max V Max U/S Max D/S (cu.m/s) (m/s) HGL (m) HGL (m) Pine13 177 15.986 15.896 AR&R 100 year, 5 minutes storm, average 224 mm/h, Zone 1 P18 1.6 15,972 15.896 AR&R 100 year, 5 minutes storm, average 224 mm/h, Zone 1 1.693 15.972 1.69 1.6 AR&R 100 year, 5 minutes storm, average 224 mm/h, Zone 1 1.749 15.98 AR&R 100 year, 5 minutes storm, average 224 mm/h, Zone 1 P24 1 634 1.5 15.963 15,896 AR&R 100 year, 5 minutes storm, average 224 mm/h, Zone 1 15.896 AR&R 100 year, 5 minutes storm, average 224 mm/h, Zone 1 13.28 AR&R 100 year, 1.5 hours storm, average 54.9 mm/h, Zone 1 P26 1.793 1.7 15.99 1.8 CHANNEL DETAIL: Name Max Q Max V Chainage Max Due to Storm HGL (m) (cu.m/s) m) OVERFLOW ROUTE DETAILS Name Max Q U/S Max Q D/S Safe O Max D Max DxV Max Width Max V OF9 0.256 0.108 1 09 AR&R 100 year, 3 hours storm, average 35,9 mm/h, Zone 1 1.626 1.626 25.28 0.12 OF12 0.465 0.465 0.256 16.66 0.05 AR&R 100 year, 20 minutes storm, average 126 mm/h, Zone 1 1.01 AR&R 100 year, 20 minutes storm, average 126 mm/h, Zone 1 1.08 AR&R 100 year, 3 hours storm, average 35.9 mm/h, Zone 1 QF26 1.23 1.23 0.256 0.09 0.1 1.572 1.57 OF1 0.256 0.105 0.11 24.92 8.33 OF19 8.334 1.65 AR&R 100 year, 2 hours storm, average 46.1 mm/h, Zone 1.

OF1Z												
	8.334		0.256	0.207	0.34	45.4		AR&R 100 year				
Stage Discharge_B	0.744	0.744	0.256	0.077	0.07	19.36		AR&R 100 year				
OF43	6.913		0.256	0.192	0.3	42.35		AR&R 100 year				
OF44	1.51	1.51	0.256	0.103	0.11	24.57	1.07	AR&R 100 year	r, 20 minutes	storm, average	ge 126 mm/h.	Zone 1
OF46	0.465	0.465	0.256	0.063	0.05	16.66	0.78	AR&R 100 yea	r. 20 minutes	storm, averag	ge 126 mm/h.	Zone 1
OF47	0.17	0.17	0.256	0.043	0.02	12.53	0.58	AR&R 100 year	r. 1 hour storr	n, average 69	7.7 mm/h, Zon	e 1
OF51	0.795	0.795	0.256	-0.079	0.07	19.9	0.89	AR&R 100 year	r, 4.5 hours st	torm, average	27.8 mm/h, 2	one 1
OF58	13.45	13.45	0.256	0.23	0.5	49.99	2.19	AR&R 100 year	r. 20 minutes	storm, average	ge 126 mm/h,	Zone 1
OF59	1.595	1,595	0,256	0.106	0.11	25.1	1.08	AR&R 100 year	r, 20 minutes	storm, averag	ge 126 mm/h.	Zone 1
OF50	2 808	2.808	.0.256	D.133	0.17	30.67	1.25	AR&R 100 year	r. 20 minutes	storm, average	ge. 126 mm/h.	Zone 1
OF61	0.231	0.231	0.256	0.048	0.03	13.61	0.64	AR&R 100 year	r. 1.5 hours st	orm, average	54.9 mm/h. 2	one 1
OF64	3,507	3.507	0.256	0.145	0.19	33.19						
Stage Discharge_A	1.127	1.127	0.256	0.091	0.09	22.23		AR&R 100 year				
OF549	0	0	0.256	0	0	0	0	7 =				113
StageDischarge_D	7.816	7.816	0.256	0.202	0.33	44.32	1.62	AR&R 100 year	r. 2 hours sto	rm. average 4	6.1 mm/h. Zo	ne 1
OF550			0.256	0	0	0	0					
OF551	0		0.256	0	0	0	0					
OF552	. 0		0.256			0	0					1
OF553	0		0.256	0	0	0	0					
OF554	0		0.256	0	0	0	0	-	-			1
OF102	9.195		0.256	0.215	0.36	47.02		AR&R 100 year	r 1 5 hours e	orm silerama	SA G minsh 3	one t
OF101	8.029	8.029	0.256	0.203	0.33	44.68		AR&R 100 year				
OF131	1.231	1.231	0.256	0.095	0.1	22.95						
OF104	0.656	0.656		0.073		18.64		AR&R 100 yea				
			0.256		0,06			AR&R 100 yea				
OF205	1.481	1.481	0.256	0.103	0.11	24.57		AR&R 100 yea				
OF485	1.228	1.228	0.256	0.095	0.1	22.95		AR&R 100 yea				
OF305	1 331	1,331	0.256	0.098	0.1	23.67		AR&R 100 yea				
OF340	0.208	0.208	0.256	0.046	0.03	13.25	0.61	AR&R 100 yea	20 minutes	atorm averag	ge 126 mm/h	cone 1
OF28	0		0.256	0	0	0	0		12.			1
OF30	12.746		0.256	0.23	0.48	49.99		AR&R 100 year				
OF487	1.228	1.228	0.256	0.095	0.1	22.95		AR&R 100 year				
OF594	9.311	9.311	0.256	0.218	0.37	47.2		AR&R 100 year				
OF593	6.428	5.428	0,256	0.186	0,29	41.27		AR&R 100 year				
OF590	3.171	3.171	0.256	0.14	0.18	31.93	1.29	AR&R 100 year	r, 20 minutes	storm, average	ge 126 mm/h,	Zone 1
OF600	2.392	2.392	0.256	0.124	0.15	28.88	1.21	AR&R 100 year	r. 20 minutes	storm, average	ge 126 mm/h,	Zone 1
1					7		- 10				D	
DETENTION BASIN	DETAILS							1 - 1		-		-
Name	Max WL	MaxVol	Max Q	Max Q	Max Q				-			
7			Total	Low Level	High Level				1			5
DetBEx	14.74	13507.4	1.572	0	1.572							
DetAEx	14.19		8.334	0	8.334			1				
DetB_Prop	15,87	16647.1	0.744	0	0.744							
DetA Prop	15.76		1.127	0	1,127							
DetC1	16.01	806.6	1,77	1.77	0			-		_	_	-
	15.9		7,816	0	7.816		-	_	_			_
DetD_Prop DetC2	15.99		1.693	1.693	7.010			-	_			
DetC3	15.99		1.693	1.693	0				-			-
								-				
DetC4	16		1.749	1.749	0							
DetC5	15.98		1.634	1.634	0							
DetC6	16.01	610.9	1.793	1.793	0							
ESTREM TO SECURITION		l										
CONTINUITY CHE					Zone 1							
Node	Inflow	Outflow	Storage Chan									
	(cu.m)	(cu.m)	(cu.m)	%								
N4	3835.19		0	0								
N5	497.8		0	0								
NB	1571.57	1571.57	. 0	.0								
DetBEx	13909.94		10569.69	. 0								
OutBEx	3829.31	3829.31	. 0	0								
DetAEx	15759.35	15759.39	- 0	. 0								
N40	15759.39		0	0								
OutAEx	15759.39		0									
OutCEx	26769.13	26769.13	.0	-								
DetB_Prop	11205.98			. 0								
A Londo		1108.41	10098.94	0								
N62	8882.22	1108.41 8882.22	10098.94									
N63	2101.53	1108.41 8882.22 2101.53	10098.94 0 0	0								
N63 N64	2101.53 497.8	1108.41 8882.22 2101.53 497.8	10098.94 0 0	0								
N63	2101.53	1108.41 8882.22 2101.53 497.8	10098.94 0 0	0								
N63 N64	2101.53 497.8	1108.41 8882,22 2101.53 497.8 253.49	10098.94 0 0	0 0 0 0								
N63 N64 N65	2101.53 497.8 253.49	11.08.41 8882,22 21.01.53 497.8 253.49 1856.99	10098.94 0 0 0 0	0 0 0 0 0								
N63 N64 N65 N69	2101.53 497.8 253.49 1856.99	1108.41 8882.22 2101.53 497.8 253.49 1856.99	10098.94 0 0 0 0 0	0 0 0 0 0								
N63 N64 N65 N69 OutB_Prop	2101.53 497.8 253.49 1856.99 1854.29	1108.41 8882.22 2101.53 497.8 253.49 1856.99	10098.94 0 0 0 0 0 0	0 0 0 0 0								
N63 N64 N65 N69 OutB_Prop N75 N76	2101.53 497.8 253.49 1856.99 1854.29 17410.64 2408.62	1108.41 8882.22 2101.53 497.8 253.49 1856.99 1854.29 17410.64 2408.62	10098.94 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0								
N63 N64 N85 N69 OutB_Prop N75 N76 N77	2101.53 497.8 253.49 1856.99 1854.29 17410.64	1108.41 8882.22 2101.53 497.8 253.49 1856.99 1854.29 17410.64 2408.62 3744.73	10098.94 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0								
N63 N64 N65 N69 OutB_Prop N75 N76 N77 N77	2101.53 497.8 253.49 1856.99 1854.29 17410.64 2408.62 3744.73 360.94	1108.41 8882.22 2101.53 497.8 253.49 1856.99 17410.64 2408.62 3744.73 360.94	10098.94 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0								
N63 N64 N65 N69 OutB_Prop N75 N76 N77 N78	2101.53 497.8 253.49 1856.99 1854.29 17410.54 2408.62 3744.73 360.94 9257.3	1108.41 8882.22 2101.53 497.8 253.49 1856.99 1854.29 17410.64 2408.62 3744.73 380.94	10098.94 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0								
N63 N64 N65 N69 OulB_Prop N75 N76 N77 N78 N79 OutA_Prop	2101.53 497.8 253.49 1856.99 1854.29 17410.64 2408.62 3744.73 360.94 9257.3	1108.41 8882.22 2101.53 497.8 253.49 1856.99 1854.29 17410.64 2408.62 3744.73 360.94 9257.31	10098.94 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0								
N63 N64 N65 N69 OutB_Prop N75 N76 N77 N78 N79 OutA_Prop DetA_Prop	2101.53 497.8 253.49 1856.99 1854.29 17410.64 2408.82 3744.73 360.94 9257.3 9245.25 21454.32	1108.41 8882.22 2101.53 497.8 253.49 1856.99 17410.64 2408.62 3744.73 360.94 9257.31 9245.25	10098.94 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0								
N63 N64 N85 N69 OutB_Prop N75 N76 N77 N78 N79 OutA_Prop DetC4	2101.53 497.8 253.49 1856.99 1854.29 17410.64 2408.62 3744.73 360.94 9257.3 9245.25 21454.32	110a.41 8882.22 2101.53 497.8 253.49 1856.99 17410.64 2408.62 3744.73 360.94 9257.31 9245.25 5163.88 2445.91	10098.94 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								
N63 N64 N65 N69 OutB_Prop N75 N76 N77 N78 OutA_Prop DetA_Prop DetCt DetD_Prop	2101.53 497.8 253.49 1856.99 1854.29 17410.64 2408.62 3744.73 360.94 9257.3 9245.25 24454.32 2447.09 26100.04	1108.41 8882.22 2101.53 497.8 253.49 1856.99 17410.64 2408.62 3744.73 386.94 9257.31 9245.25 5163.68 2445.91	10098.94 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								
N63 N64 N65 N69 Out8_Prop N75 N76 N77 N78 N79 OutA_Prop DetC1 DetC2 DetC2 DetC2	2101.53 497.8 253.49 1856.99 1854.29 17410.64 2408.62 3744.73 360.94 9257.3 9245.25 21454.32 2447.09 26100.04	110a.41 8882.22 2101.53 497.8 253.49 1856.99 1854.29 17410.64 2408.62 3744.73 360.94 9257.31 9245.25 5163.68 2445.91 24155.4	10098.94 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								
N63 N64 N85 N69 OutB_Prop N75 N76 N77 N78 N79 OutA_Prop DetA_Prop DetC1 DetD_Prop DetC2 DetC3	2101.53 497.8 253.49 1856.99 1854.29 17410.64 2408.82 3744.73 360.94 9257.3 9245.25 21454.32 2447.09 26100.04	110a.41 8882.22 2101.53 497.8 253.49 1856.99 17410.64 2408.62 3744.7 3749.3 360.94 9257.31 9245.25 5163.68 2445.91 24155.4 2318.81	10098.94 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 16296.67 1.19 1.19 1.19	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								
N63 N64 N65 N69 OutB_Prop N75 N76 N77 N78 N79 OutA_Prop DetA_Prop DetC2 DetC2 DetC3 DetC4 DetC4	2101.53 497.8 253.49 1856.99 1854.29 17410.64 2408.62 3744.73 360.94 9257.3 9245.25 21454.32 2447.09 26100.04 2320 2315.88 2413.43	1108.41 8882.22 2101.53 497.8 253.49 1856.99 17410.64 2408.62 3744.73 360.94 9257.31 9245.25 5163.68 2445.91 24155.4 2314.69 2412.24	10098.94 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								
N63 N64 N65 N69 OutB_Prop N75 N76 N77 N78 OutA_Prop DetC_Prop DetC_DetC_2 DetC_3 DetC_4 DetC_5	2101.53 497.8 253.49 1856.99 1854.29 17410.64 2408.62 3744.73 360.94 9257.3 9245.25 21454.32 2447.09 26100.04 2320 2315.88 2413.43 2213.88	1108.41 8882.22 2101.53 497.8 253.49 1856.99 17410.64 2408.62 3744.73 369.94 9257.31 9245.25 5163.68 2445.91 24155.4 2318.81 2314.69 2412.24	10098.94 0 0 0 0 0 0 0 0 0 0 0 0 0 16296.67 1.19 1.19 1.19	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								
N63 N64 N65 N65 N69 OutB_Prop N75 N76 N77 N78 N79 OutA_Prop DetA_Prop DetC1 DetD_Prop DetC2 DetC3 DetC3 DetC4 DetC5 DetC6	2101.53 497.8 253.49 1856.99 1854.29 17410.64 2408.62 3744.73 360.94 9257.3 9245.25 21454.32 2447.09 26100.04 2320 2315.88 2413.43 2220.38 2484.19	110a.41 8882.22 2101.53 497.8 253.49 1856.99 1854.29 17410.64 2408.62 3744.73 360.94 9257.31 9245.25 5165.88 2445.91 24155.4 2318.81 2314.69 2412.24 2219.2	10098.94 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 16296.67 1.19 1.19 1.19 1.19	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								
N63 N64 N85 N69 OutB_Prop N75 N76 N77 N78 N79 DelA_Prop DelC1 DelD_Prop DelC2 DelC3 DelC4 DelC5 DelC6 N92	2101.53 497.8 253.49 1856.99 1854.29 17410.64 2408.62 3744.73 360.94 9257.3 9245.25 21454.32 2447.09 26100.04 2315.88 2413.43 2220.38 2484.19 26905.66	110a.41 8882.22 2101.53 497.8 253.49 1856.99 17410.64 2408.62 3769.74 9257.31 9245.25 5163.88 2445.91 24155.4 2219.2 2412.24 2219.2 2483 26905.66	10098.94 0 0 0 0 0 0 0 0 0 0 0 0 0 0 16296.67 1.19 1.19 1.19	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								
N63 N64 N65 N69 OutB_Prop N75 N76 N77 N78 N79 OutA_Prop DetC1 DetC2 DetC3 DetC4 DetC5 DetC5 DetC5 DetC5 DetC5 DetC5 DetC5 DetC5 DetC6 OetC5 DetC6 OetC5 DetC7 OetC7 OetC	2101.53 497.8 253.49 1856.99 1854.29 17410.64 2408.62 3744.73 360.94 9257.3 9245.25 21454.32 2447.09 26100.04 2320 2315.88 2413.43 2220.38 2484.19 26905.66 26897.93	110a.41 8882.22 2101.53 497.8 253.49 1856.99 17410.64 2408.62 3744.73 360.94 9257.31 9245.25 545.91 24155.4 2318.81 2314.69 2412.24 2219.2 2483.26 26905.66 26897.93	10098.94 0 0 0 0 0 0 0 0 0 0 0 0 0 0 16296.67 1.19 1.19 1.19 1.19 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								
N63 N64 N85 N69 OutB_Prop N75 N76 N77 N78 N79 DelA_Prop DelC1 DelD_Prop DelC2 DelC3 DelC4 DelC5 DelC6 N92	2101.53 497.8 253.49 1856.99 1854.29 17410.64 2408.62 3744.73 360.94 9257.3 9245.25 21454.32 2447.09 26100.04 2315.88 2413.43 2220.38 2484.19 26905.66	110a.41 8882.22 2101.53 497.8 253.49 1856.99 17410.64 2408.62 3744.73 360.94 9257.31 9245.25 545.91 24155.4 2318.81 2314.69 2412.24 2219.2 2483.26 26905.66 26897.93	10098.94 0 0 0 0 0 0 0 0 0 0 0 0 0 0 16296.67 1.19 1.19 1.19	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								
N63 N64 N65 N69 OutB_Prop N75 N76 N77 N78 N79 OutA_Prop DetC1 DetC2 DetC3 DetC4 DetC5 DetC5 DetC5 DetC5 DetC5 DetC5 DetC5 DetC5 DetC6 OetC5 DetC6 OetC5 DetC7 OetC7 OetC	2101.53 497.8 253.49 1856.99 1854.29 17410.64 2408.62 3744.73 360.94 9257.3 9245.25 21454.32 2447.09 26100.04 2320 2315.88 2413.43 2220.38 2484.19 26905.66 26897.93	110a.41 8882.22 2101.53 497.8 253.49 1856.99 17410.64 2408.62 3744.73 360.94 9257.31 9245.25 545.91 24155.4 2318.81 2314.69 2412.24 2219.2 2483.26 26905.66 26897.93	10098.94 0 0 0 0 0 0 0 0 0 0 0 0 0 0 16296.67 1.19 1.19 1.19 1.19 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								
N63 N64 N65 N65 N69 OutC_Prop DetC4 DetC5 DetC6 N92 N95	2101.53 497.8 253.49 1856.99 1854.29 17410.64 2408.62 3744.73 360.94 9257.3 9245.25 2447.09 26100.04 2320 2415.43 22413.43 2220.38 2484.19 26905.66 26897.93 8865.05	110a.41 8882.22 2101.53 497.8 253.49 1856.99 1854.29 17410.64 2408.62 3744.73 360.94 9257.31 9245.25 5163.68 2445.91 2314.69 2412.24 2412.24 2415.54 2318.81 2314.69 2412.24 2483 26905.66	10098.94 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 16296.67 1.19 1.19 1.19 1.19 1.19 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								
N63 N64 N65 N65 N69 OutB_Prop N75 N77 N78 N79 OutA_Prop DetA_Prop DetC1 DetD_Prop DetC2 DetC3 DetC4 DetC5 DetC4 N95 N95 N95 N95 N95 N95	2101.53 497.8 253.49 1856.99 1854.29 17410.64 2408.82 3744.73 360.94 9257.3 9245.25 21454.32 2447.09 26100.04 2320 2315.88 2413.43 2220.38 2484.19 26905.66 26897.93 8865.05 1571.57	110a.41 8882.22 2101.53 497.8 253.49 1856.99 17410.64 2408.62 3744.73 360.94 9257.31 9245.25 5163.88 2445.91 24155.4 2318.81 2314.69 2412.24 2219.2 2483 26905.66 28897.93 8855.05	10098.94 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 16296.67 1.19 1.19 1.19 1.19 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								
N63 N64 N65 N69 OutB_Prop N75 N77 N78 N77 N78 OutA_Prop DetA_Prop DetC2 DetC3 DetC4 DetC5 DetC5 DetC6 DetC5 DetC6 N92 OutC_Prop N95 N97	2101.53 497.8 253.49 1856.99 1854.29 17410.64 2408.62 3744.73 360.94 9257.3 9245.25 21454.32 2447.09 26100.04 2320 2315.88 2413.43 2220.38 2484.19 26905.66 26897.93 8665.05 1571.57	110a.41 8882.22 2101.53 497.8 253.49 1856.99 1854.29 17410.64 2408.62 3744.73 360.94 9257.31 9245.25 5163.68 2445.91 2415.24 2412.24 242.22 2493.26 26905.66 26897.93 8865.05	10098.94 0 0 0 0 0 0 0 0 0 0 0 0 0 16296.67 1.19 1.19 1.19 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								
N63 N64 N65 N65 N69 OutB_Prop N75 N76 N77 N78 N79 OutA_Prop DetA_Prop DetC1 DetC2 DetC3 DetC4 DetC5 DetC6 N92 OutC_Prop N95 N96 N97	2101.53 497.8 253.49 1856.99 1854.29 17410.64 2408.62 3744.73 360.94 9257.3 9245.25 21454.32 2447.09 26100.04 2320 2315.88 2413.43 2220.38 2484.19 26905.66 26897.93 8865.05 1571.57 1325.57 1635.08	110a.41 8882.22 2101.53 497.8 253.49 1856.99 17410.64 2408.62 3744.73 360.94 9257.31 9245.25 5163.68 2445.91 2412.24 2219.2 248.81 26905.66 26897.93 8855.05 1571.57	10098.94 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 16296.67 1.19 1.19 1.19 1.19 1.19 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								
N63 N64 N65 N69 Outle_Prop N75 N77 N78 N77 N78 N79 Outle_Prop DetA_Prop DetC1 DetD_Prop DetC2 DetC3 DetC4 DetC5 DetC6 N92 Outle_Prop N95 N96 N97 N168 N97 N168 N97 N168 N177 N224	2101.53 497.8 253.49 1856.99 1854.29 17410.64 2408.62 3744.73 360.94 9257.3 9245.25 21454.32 2447.09 26100.04 2320 2315.88 2413.43 2220.38 2413.43 2505.66 26897.93 8865.05 1571.57 1325.57 1635.06 1432.39 1496.99	110a.41 8882.22 2101.53 497.8 253.49 1856.99 17410.64 2408.62 3769.74 9257.31 9245.25 5163.88 2445.91 24155.4 2219.2 2483 26905.66 26897.93 8865.05 1571.57 1325.57 1635.06	10098.94 0 0 0 0 0 0 0 0 0 0 0 0 0 0 16296.67 1.19 1.19 1.19 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								
N63 N64 N65 N69 OutB_Prop N75 N76 N77 N78 N79 OutA_Prop DetC1 DetC2 DetC3 DetC4 DetC5 DetC6 N92 OutC_Prop N95 N96 N96 N97	2101.53 497.8 253.49 1856.99 1854.29 17410.64 2408.62 3744.73 360.94 9257.3 9245.25 21454.32 2447.09 26100.04 2320 2315.88 2413.43 2220.38 2484.19 26905.66 26897.93 8865.05 1571.57 1325.57 1635.08	110a.41 8882.22 2101.53 497.8 253.49 1856.99 1854.29 17410.64 2408.62 3744.73 360.94 9257.31 9245.25 5163.68 2445.91 2415.54 2412.24 2412.24 2412.24 2412.24 2415.25 163.68 26905.66 168.793 8865.05 1571.57 1325.97	10098.94 0 0 0 0 0 0 0 0 0 0 0 0 0 0 16296.67 1.19 1.19 1.19 1.19 1.19 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								

N50	26769.13	26769.13	0	0							- 1	
N294	1432.39	1432.39	0									
N320	797.66	797.66	Ď.				1		-		- 1	
N321	2653.85	2653,85	0			_		_	_	_		_
							_		_			
N322	300.97	300.97	0									
N323	8219.99	8219.99	0	. 0							-11	
N324	337.22	337 22	0	0							- 13	
N325	117.4	117.4	0	- 0							- 11	
N326	12003.26	12003.26	0	. 0								
N327	8272.85	8272.86	0									
			0					-		-		
N328	4058.79	4058.79						_				
N329	3061.96	3061.96	. 0	. 0								
										-		
Run Log for Mooreb	enk REV02 n	in at 10:34:38	on 9/8/2011	1								
The maximum flow				erflow routes: O	F600, OF594.	OF593 OF59	0. OF487, OF48	35. OF305. OF3	205. OF131. OF	104 OF 102	OF101 Stage	Discharge D. (
							1			1	-	and an interest of
DOMING availed the	manual CO Avenue	- 2011 6 mm	Marrier 2040 C	0	-		_		_	_		
DRAINS results pre	pared us Augu	St, 2011 from	version 2010.0	9			-	_	_	_		
									-			
PIT / NODE DETAIL	S	1		Version 8								
Name	Max HGL	Max Pond	Max Surface	Max Pond	Min	Overflow	Constraint				1411	
		HGL	Flow Amving	Volume	Freeboard	(cu m/s)						
			(cu.m/s)	(cu.m)	(m)							
HW2	13.32	7.698		1	0.88	0	None		$\overline{}$	_		
		7.036	-		0.00	- 0	110000			_		
N50	13.28		-0									
				1 1								
SUB-CATCHMENT	DETAILS			1					1			
Name	Max	Paved	Grassed	Paved	Grassed	Supp.	Due to Storm				117	
	Flow Q	Max Q	Max O	To	Te	Tc					17	
	(cu.m/s)	(cu.m/s)	(cu.m/s)	(min)	(min)	(min)	1					
CatchB1Ex		(00.1105)		20,000			AD&D 400	6 hours de	n numma - 22.2	mmh 7		
TARREST PROPERTY.	0.173		0.173	- 3	- 8		AR&R 100 yea					
CatchC1Ex	0.431	0.36	0.071	.7	7		AR&R 100 yea					
CatchBEx	4 356	1.575	2,782	14.5	24	.0	AR&R 100 yea	r. 6 hours stom	n, average 23.3	mm/h. Zone	1	
CatchAEx	4.693	2.484	2,209	13:75	15		AR&R 100 yea	r, 6 hours storn	n, average 23.3	mm/h; Zone:	1	
CatB1 Prop	1.533	1,533	0	6	3		AR&R 100 yea					
			0									
CatB2(Swale)_Prop	0.554	0.554			8.5		AR&R 100 yea					
Cat81Ext_Prop	0.173	0		. 5	- 8		AR&R 100 yea					
CatB2Ext_Prop	0.088	.0	0.088	8.5	15.5		AR&R 100 yea					
CatA1_Prop	1.424	1,424	0	6	3	0	AR&R 100 yea	r, 6 hours storn	n, average 23.3	mm/h, Zone	1	
CatA2(Swale)_Prop	0.634	0.634	0	12	11		AR&R 100 yea					
CatA1Ex_Prop	1.126	0.55	0.576	13.2	8.3		AR&R 100 yea	The state of the state of				
				-								
CatA2Ex_Prop	0.126	. 0	0.126	0	18		AR&R 100 yea					
CatCa_Prop	0.645	0.645	0		0		AR&R 100 yea					
CatCb_Prop	0.611	0.611	0	3	0		AR&R 100 year	r. 6 hours storn	n, average 23.3	mm/h, Zone	1	
CatCc_Prop	0.61	0.61	0	3	0	0	AR&R 100 yea	r 6 hours storn	n, average 23.3	mm/h. Zone	1	
CatCd_Prop	0.636	0.636	0	3	0		AR&R 100 year					
CatCe_Prop	0.585	0.585	0				AR&R 100 yea					
CatCf_Prop	0,654	0,654	.0		- 0		AR&R 100 year					
CatC2_Prop	2.335	2,335	0		0		AR&R 100 yea					
CatCEx1_Prop	0.431	0.36	0.071	7	7	. 0	AR&R 100 yea	r, 6 hours storn	n, average 23.3	mm/h, Zone	1	
CatCEx2_Prop	0.395	0.21	0.186	21.7	25		AR&R 100 yea					
Cat_A3_Prop	0.431	0.431	0		0		ARAR 100 yea					
		0.377	0		0							
Cat Carpark_Ex	0.377						AR&R 100 yea					
CatC1_Prop	0.387	0.387	0		0		AR&R 100 yea					
CatB3Ext_Prop	0.077	- 0	0.077	. 0	8	. 0	AR&R 100 yea	r. 6 hours storn	n, average 23.3	mm/h. Zone	1	
CatchCEx	6.889	4.383	2,506	25	30	.0	AR&R 100 year	r. 6 hours stom	n, average 23.3	mm/h. Zone	1	
Cat Carpark_Prop	0.377	0.377	0	5	0	0	AR&R 100 yea	r. 6 hours storn	n, average 23.3	mm/h. Zone	1	
Cat1	0.237	0.126	0.112	- 5	12		AR&R 100 yea					
	0.769	0.483	0.286	7	15		AR&R 100 yea					-
Cat2				- 0								
Cat3	0.09	0.047	0.042	4	- 8					mm/h_Zone	1	
Cat4	2.249						AR&R 100 yea					
Cat5	0.1	1.909	0.34	5			AR&R 100 yea	r, 6 hours storn	n_average 23.3	mm/h, Zone	1	
	0.4	1.909 0.053		5				r, 6 hours storn	n_average 23.3	mm/h, Zone	1	
Cat6	0.035	0.053	0.047	6	- 8	0	AR&R 100 yea AR&R 100 yea	r, 6 hours stom r, 6 hours stom	n, average 23.3 n, average 23.3	mm/h, Zone mm/h, Zone	1	
	0.035	0.053 0.018	0.047 0.016	6	8	0	AR&R 100 yea AR&R 100 yea AR&R 100 yea	r, 6 hours storn r, 6 hours storn r, 6 hours storn	n, average 23.3 n, average 23.3 n, average 23.3	mm/h, Zone mm/h, Zone mm/h, Zone	1 1 1	
CatA4_Prop	0.035 0.983	0.053 0.018 0.983	0.047 0.016 0	6 6	. 8 8 3	0	AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea	r, 6 hours storn r, 6 hours storn r, 6 hours storn r, 6 hours storn	n, average 23.3 n, average 23.3 n, average 23.3 n, average 23.3	mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone	1 1 1 1	
CatA4_Prop CatA5_Prop	0.035 0.983 1.11	0.053 0.018 0.983 1.11	0.047 0.016 0	6 6 6	8 3 3	0 0	AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea	r, 6 hours storm r, 6 hours storm r, 6 hours storm r, 6 hours storm r, 6 hours storm	n average 23.3 n average 23.3 n average 23.3 n average 23.3 n average 23.3	mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone	1 1 1 1 1	
CatA4_Prop CatA5_Prop CatA6_Prop	0.035 0.983 1.11 1.069	0.053 0.018 0.983 1.11 1.069	0.047 0.016 0 0	6 6 6	8 3 3 3	0 0 0	AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea	r, 6 hours storm r, 6 hours storm	n average 23.3 n average 23.3 n average 23.3 n average 23.3 n average 23.3 n average 23.3	mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone	1 1 1 1 1 1 1 1	
CatA4_Prop CatA5_Prop	0.035 0.983 1.11	0.053 0.018 0.983 1.11	0.047 0.016 0	6 6 6	8 3 3 3	0 0 0	AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea	r, 6 hours storm r, 6 hours storm	n average 23.3 n average 23.3 n average 23.3 n average 23.3 n average 23.3 n average 23.3	mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone	1 1 1 1 1 1 1 1	
CatA4_Prop CatA5_Prop CatA6_Prop	0.035 0.983 1.11 1.069	0.053 0.018 0.983 1.11 1.069	0.047 0.016 0 0	6 6 6	8 3 3 3	0 0 0	AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea	r, 6 hours storm r, 6 hours storm	n average 23.3 n average 23.3 n average 23.3 n average 23.3 n average 23.3 n average 23.3	mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone	1 1 1 1 1 1 1 1	
CatA4_Prop CatA5_Prop CatA6_Prop	0.035 0.983 1.11 1.069	0.053 0.018 0.983 1.11 1.069	0.047 0.016 0 0	6 6 6	8 3 3 3	0 0 0	AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea	r, 6 hours storm r, 6 hours storm	n average 23.3 n average 23.3 n average 23.3 n average 23.3 n average 23.3 n average 23.3	mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone	1 1 1 1 1 1 1 1	
CatA4_Prop GatA5_Prop CatA6_Prop CatB3_Prop	0.035 0.983 1.11 1.069 0.807	0.053 0.018 0.983 1.11 1.069 0.807	0.047 0.016 0 0 0 0	6 6 6 6	8 8 3 3 3 3	0 0 0	AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea	r, 6 hours storm r, 6 hours storm	n average 23.3 n average 23.3 n average 23.3 n average 23.3 n average 23.3 n average 23.3	mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone	1 1 1 1 1 1 1 1	
CatA4_Prop CatA5_Prop CatA6_Prop CatB3_Prop CotB3_Prop Outflow Volumes for	0.035 0.983 1.11 1.069 0.807	0.053 0.018 0.983 1.11 1.069 0.807	0.047 0.016 0 0 0 0 0	6 6 6 6 6 6 6	8 8 3 3 3 3 3 ctal ha)	0 0 0	AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea	r, 6 hours storm r, 6 hours storm	n average 23.3 n average 23.3 n average 23.3 n average 23.3 n average 23.3 n average 23.3	mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone	1 1 1 1 1 1 1 1	
CatA4_Prop GatA5_Prop CatA6_Prop CatB3_Prop	0.035 0.983 1.11 1.069 0.807	0.053 0.018 0.983 1.11 1.069 0.807	0.047 0.016 0 0 0 0 0 0 vious + 61.6 p	6 6 6 6 6 6 ervious = 218 to Pervious Runo	8 8 3 3 3 3 3 3 3 5 5 5 6 6 6 6 6 6 6 6 6 6	0 0 0	AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea	r, 6 hours storm r, 6 hours storm	n average 23.3 n average 23.3 n average 23.3 n average 23.3 n average 23.3 n average 23.3	mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone	1 1 1 1 1 1 1 1	
CatA4_Prop CatA5_Prop CatA6_Prop CatB3_Prop Outflow Volumes for Storm	0.035 0.983 1.11 1.069 0.807 Total Catchm Total Rainfall	0.053 0.018 0.983 1.11 1.069 0.807 hent (156 impe	0.047 0.016 0 0 0 0 0 0 0 rvious + 61.6 p Impervious Ru cu.m (Runoff (6 6 6 6 6 6 6 9 ervious = 218 to Pervious Runo cu.m (Runoff %	8 8 3 3 3 3 3 3 5 5 5 6 6 6 6 6 6 6 6 6 6 6	0 0 0	AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea	r, 6 hours storm r, 6 hours storm	n average 23.3 n average 23.3 n average 23.3 n average 23.3 n average 23.3 n average 23.3	mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone	1 1 1 1 1 1 1 1	
CatA4_Prop CatA5_Prop CatA5_Prop CatB3_Prop CatB3_Prop Outflow Volumes for Storm	0 035 0 983 1.11 1.069 0.807 Total Catchm Total Reinfall cu m	0.053 0.018 0.983 1.11 1.069 0.807 hent (156 impe Total Runoff oum (Runoff 270784.28 (8)	0.047 0.016 0 0 0 0 0 rvious + 61.6 p Impervious Ru eu.m (Runoff 9 217212:31 (95	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	8 8 3 3 3 3 3 3 3 3 3 4 4 4 4 4 4 4 4 4	0 0 0	AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea	r, 6 hours storm r, 6 hours storm	n average 23.3 n average 23.3 n average 23.3 n average 23.3 n average 23.3 n average 23.3	mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone	1 1 1 1 1 1 1 1	
CatA4_Prop CatA5_Prop CatA6_Prop CatA8_Prop Outflow Volumes for Storm AR&R 100 year, 6:h AR&R 100 year, 9:h	0 035 0 983 1.11 1 069 0 807 Total Catchm Total Rainfall cu m 304854:63 3307316	0.053 0.018 0.983 1.11 1.069 0.807 Total Runoff cu.m (Runoff 270784.28 (8: 313204.46 (9:	0.047 0.016 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 6 6 6 6 6 6 Pervious = 218 to Pervious Runo ou.m (Runoff % 53571.97 (62.2 58432.74 (6.3%	8 8 3 3 3 3 3 3 3 3 9 1 1 1 1 1 1 1 1 1 1 1	0 0 0	AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea	r, 6 hours storm r, 6 hours storm	n average 23.3 n average 23.3 n average 23.3 n average 23.3 n average 23.3 n average 23.3	mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone	1 1 1 1 1 1 1 1	
CatA4_Prop CatA5_Prop CatA5_Prop CatB3_Prop CatB3_Prop Outflow Volumes for Storm	0 035 0 983 1.11 1 069 0 807 Total Catchm Total Rainfall cu m 304854:63 3307316	0.053 0.018 0.983 1.11 1.069 0.807 Total Runoff cu.m (Runoff 270784.28 (8: 313204.46 (9:	0.047 0.016 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	8 8 3 3 3 3 3 3 3 3 9 1 1 1 1 1 1 1 1 1 1 1	0 0 0	AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea	r, 6 hours storm r, 6 hours storm	n average 23.3 n average 23.3 n average 23.3 n average 23.3 n average 23.3 n average 23.3	mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone	1 1 1 1 1 1 1 1	
CatA4_Prop CatA5_Prop CatA6_Prop CatB3_Prop Outflow Volumes fo Storm AR&R 100 year, 6 h AR&R 100 year, 9 h AR&R 100 year, 12	0 035 0 983 1.11 1.069 0.807 FTotal Catchm Total Rainfall cu m 304854.63 3307316 400367	0.053 0.018 0.983 1.11 1.069 0.807 hent (156 impe Total Runoff ou.m (Runoff 270784.28 (8) 313204.46 (9) 350135.02 (8)	0.047 0.016 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 6 6 6 6 6 6 6 9 6 9 9 9 9 9 9 9 9 9 9	8 8 3 3 3 3 3 3 3 5 5 6 6 6 6 6 6 6 6 6 6 6	0 0 0	AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea	r, 6 hours storm r, 6 hours storm	n average 23.3 n average 23.3 n average 23.3 n average 23.3 n average 23.3 n average 23.3	mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone	1 1 1 1 1 1 1 1	
CatA4_Prop CatA5_Prop CatA5_Prop CatB3_Prop Outflow Volumes for Storm AR&R 100 year, 6h AR&R 100 year, 12 AR&R 100 year, 12 AR&R 100 year, 12	0 035 0 983 1.11 1.059 0.807 FTotal Catchm Total Reinfall cu m 304854:63 3307316 400367 474945.16	0.053 0.018 0.983 1.11 1.069 0.807 Total Runoff oum (Runoff 270784.28 (8: 313204.46 (9: 3350135.02 (8: 408699.81 (8:	0.047 0.016 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	8 8 3 3 3 3 3 3 3 5 6 6 6 6 6 6 6 6 6 6 6 6	0 0 0	AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea	r, 6 hours storm r, 6 hours storm	n average 23.3 n average 23.3 n average 23.3 n average 23.3 n average 23.3 n average 23.3	mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone	1 1 1 1 1 1 1 1	
CatA4_Prop CatA5_Prop CatA6_Prop CatB3_Prop Outflow Volumes fo Storm AR&R 100 year, 6 h AR&R 100 year, 9 h AR&R 100 year, 12	0 035 0 983 1.11 1.059 0.807 FTotal Catchm Total Reinfall cu m 304854:63 3307316 400367 474945.16	0.053 0.018 0.983 1.11 1.069 0.807 Total Runoff oum (Runoff 270784.28 (8: 313204.46 (9: 3350135.02 (8: 408699.81 (8:	0.047 0.016 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 6 6 6 6 6 6 6 9 6 9 9 9 9 9 9 9 9 9 9	8 8 3 3 3 3 3 3 3 5 6 6 6 6 6 6 6 6 6 6 6 6	0 0 0	AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea	r, 6 hours storm r, 6 hours storm	n average 23.3 n average 23.3 n average 23.3 n average 23.3 n average 23.3 n average 23.3	mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone	1 1 1 1 1 1 1 1	
CatA4_Prop CatA5_Prop CatA6_Prop CatB3_Prop Outflow Volumes for Storm AR&R 100 year, 6 h AR&R 100 year, 12 AR&R 100 year, 12 AR&R 100 year, 12 AR&R 100 year, 24	0 035 0 983 1.11 1.059 0.807 FTotal Catchm Total Reinfall cu m 304854:63 3307316 400367 474945.16	0.053 0.018 0.983 1.11 1.069 0.807 Total Runoff oum (Runoff 270784.28 (8: 313204.46 (9: 3350135.02 (8: 408699.81 (8:	0.047 0.016 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	8 8 3 3 3 3 3 3 3 5 6 6 6 6 6 6 6 6 6 6 6 6	0 0 0	AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea	r, 6 hours storm r, 6 hours storm	n average 23.3 n average 23.3 n average 23.3 n average 23.3 n average 23.3 n average 23.3	mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone	1 1 1 1 1 1 1 1	
CatA4_Prop CatA5_Prop CatA6_Prop CatB3_Prop Outflow Volumes for Storm AR&R 100 year, 6 h AR&R 100 year, 12 AR&R 100 year, 12 AR&R 100 year, 24 PIPE DETAILS	0 035 0 983 1.11 1.069 0.807 Total Catchm Total Rainfall cu m 304854:63 3307316 400367 474945.16 539056.13	0.053 0.018 0.983 1.11 1.069 0.807 ient (156 impe Total Runoff cum (Runoff cum (Runoff 270784.28 (8: 313204.46 (9: 313204.46 (4: 456777.45 (8:	0.047 0.016 0 0 0 0 0 0 1 0 0 0 1 1 1 1 1 1 1 1	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	8 8 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea	r, 6 hours storm r, 6 hours storm	n average 23.3 n average 23.3 n average 23.3 n average 23.3 n average 23.3 n average 23.3	mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone	1 1 1 1 1 1 1 1	
CatA4_Prop CatA5_Prop CatA6_Prop CatB3_Prop Outflow Volumes for Storm AR&R 100 year, 6 h AR&R 100 year, 12 AR&R 100 year, 12 AR&R 100 year, 12 AR&R 100 year, 24	0 035 0 983 1.11 1.059 0.807 FTotal Catchm Total Reinfall cu m 304854:63 3307316 400367 474945.16	0.053 0.018 0.983 1.11 1.069 0.807 Total Runoff oum (Runoff 270784.28 (8: 313204.46 (9: 3350135.02 (8: 408699.81 (8:	0.047 0.016 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	8 8 3 3 3 3 3 3 3 5 6 6 6 6 6 6 6 6 6 6 6 6	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea	r, 6 hours storm r, 6 hours storm	n average 23.3 n average 23.3 n average 23.3 n average 23.3 n average 23.3 n average 23.3	mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone	1 1 1 1 1 1 1 1	
CatA4_Prop CatA5_Prop CatA6_Prop CatB3_Prop Outflow Volumes for Storm AR&R 100 year, 6 h AR&R 100 year, 12 AR&R 100 year, 12 AR&R 100 year, 24 PIPE DETAILS	0 035 0 983 1.11 1.069 0.807 Total Catchm Total Rainfall cu m 304854:63 3307316 400367 474945.16 539056.13	0.053 0.018 0.983 1.11 1.069 0.807 ient (156 impe Total Runoff cum (Runoff cum (Runoff 270784.28 (8: 313204.46 (9: 313204.46 (4: 456777.45 (8:	0.047 0.016 0 0 0 0 0 0 1 0 0 0 1 1 1 1 1 1 1 1	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	8 8 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea AR&R 100 yea	r, 6 hours storm r, 6 hours storm	n average 23.3 n average 23.3 n average 23.3 n average 23.3 n average 23.3 n average 23.3	mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone	1 1 1 1 1 1 1 1	
CatA4_Prop CatA5_Prop CatA5_Prop CatA6_Prop CatB3_Prop Outflow Volumes for Storm AR&R 100 year, 6:h AR&R 100 year, 12: AR&R 100 year, 12: AR&R 100 year, 24 PIPE DETAILS Name	0 035 0 983 1.11 1.059 0.807 Total Catchm Total Rainfall cu m 304854.63 3307316 400367 474945.16 53905613 Max Q ((ou.m/s)	0.053 0.018 0.983 1.11 1.069 0.807 ent.(156 impe Total Runoff ou.m (Runoff 270784.28 (6: 408699.81 (8: 408699.81 (8: 456777.45 (8:	0.047 0.016 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	8 8 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	0 0 0 0 0	AR&R 100 yea	r, 6 hours storn	n, average 23.3 n. average 23.3 n, average 23.3 n, average 23.3 n, average 23.3 n, average 23.3 n, average 23.3	mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone	1 1 1 1 1 1 1 1	
CatA4_Prop CatA5_Prop CatA5_Prop CatA6_Prop CatB3_Prop Outflow Volumes fo Storm AR&R 100 year, 6h AR&R 100 year, 12 AR&R 100 year, 12 AR&R 100 year, 24 PIPE DETAILS Name	0 035 0 983 1.11 1.059 0.807 Total Catchm Total Rainfall cu m 304854.63 3307316 400367 474945.16 53905613 Max Q (cu.m/s) 0.631	0.053 0.018 0.983 1.11 1.069 0.807 Total Runoff ou.m (Runoff 270784, 28 (8: 313204.46 (9: 350135.02 (6: 408699.81 (8: 456777.45 (8: 456777.45 (8:	0.047 0.016 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	8 8 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	0 0 0 0 0 0	AR&R 100 yea AR&R 200 yea	r, 6 hours storn	n, average 23.3 n. average 23.	mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone	1 1 1 1 1 1 1 1	
CatA4_Prop CatA5_Prop CatA5_Prop CatA6_Prop CatB3_Prop CatB3_Prop Outflow Volumes fo Storm AR&R 100 year, 6 h AR&R 100 year, 12 AR&R 100 year, 24 PIPE DETAILS Name Pipe13 P18	0 035 0 983 1.11 1.069 0.807 Total Catchm Total Rainfall cu m 304854:63 3307316 400367 474945.16 539056 13 Max Q (ou.m/s) 0.631 0.598	0.053 0.018 0.983 1.11 1.069 0.807 Intel Runoff cu,m (Runoff cu,m (Runoff 270784.28 (8: 313204.46 (9: 350135.02 (8: 408699.81 (8: 456777.45 (8: 408699.81 (8	0.047 0.016 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	8 8 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	ar, 5 hours sto	AR&R 100 yea AR&R 200 yea	r, 6 hours storm, r, 7 hours s	n, average 23.3 n. average 23.3 n. average 23.3 n. average 23.3 n. average 23.3 n. average 23.3 n. average 23.3	mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone	1 1 1 1 1 1 1 1	
CatA4_Prop GatA5_Prop GatA5_Prop CatB3_Prop CatB3_Prop Outflow Volumes for Storm AR&R 100 year, 6 h AR&R 100 year, 12 AR&R 100 year, 12 AR&R 100 year, 12 AR&R 100 year, 24 PIPE DETAILS Name Pipe13 P78 P78	0 035 0 983 1.11 1.059 0.807 Total Catchm Total Rainfall cu m 304854:63 3307316 400387 474945.16 539056.13 Max Q (cu.m/s) 0.631 0.598	0.053 0.018 0.983 1.11 1.069 0.807 Total Runoff 270784.28 (8: 313204.46 (9: 3350135.02 (8: 408699.81 (8: 456777.45 (8: Max V (m/s) 0.6 0.6	0.047 0.016 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	8 8 8 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	ar, 6 hours stear, 6	AR&R 100 yea AR&R 200 yea AR&R 200 yea AR&R 300 yea AR&R 300 yea AR&R 300 yea AR&R 300 yea	r, 6 hours storm	n, average 23.3 n. average 23.3	mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone	1 1 1 1 1 1 1 1	
CatA4_Prop CatA5_Prop CatA5_Prop CatA6_Prop CatB3_Prop Outflow Volumes for Storm AR&R 100 year, 6:h AR&R 100 year, 12:AR&R 100 year, 12:AR&R 100 year, 12:AR&R 100 year, 12:PIPE DETAILS Name Pipe13 P18 P20 P22	0 035 0 983 1.11 1.059 0.807 Total Catchm Total Rainfall cu.m 304854.63 3307316 400367 474945.16 53905613 Max Q (ou.m/s) 0.831 0.598 0.597	0.053 0.018 0.983 1.11 1.069 0.807 ent. (156 impe Total Runoff ou.m (Runoff 270784, 28 (8: 313204.46 3350135.02 (8: 408699.81 (8: 456777.45 (8: 0.6 0.6 0.6 0.6	0.047 0.016 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	8 8 8 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	ar, 6 hours ste ar, 6 hours ste ar, 6 hours ste ar, 6 hours ste ar, 6 hours ste	AR&R 100 yea AR&R 200 yea	a mm/h, Zone a mm/h, Zone a mm/h, Zone a mm/h, Zone	n, average 23.3 n. average 23.	mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone	1 1 1 1 1 1 1 1	
CatA4_Prop CatA5_Prop CatA5_Prop CatA6_Prop CatA8_Prop CatB3_Prop Outflow Volumes for Storm AR&R 100 year, 6 h AR&R 100 year, 12 AR&R 100 year, 12 AR&R 100 year, 14 AR&R 100 year, 14 AR&R 100 year, 15 AR&R 100 year, 16 AR&R 100 year, 17 AR&R 100 year, 18 AR&R 100 year, 19 PIPE DETAILS Name Pipe13 Pi18 P20	0 035 0 983 1.11 1.059 0.807 Total Catchm Total Rainfall cu m 304854:63 3307316 400387 474945.16 539056.13 Max Q (cu.m/s) 0.631 0.598	0.053 0.018 0.983 1.11 1.069 0.807 Total Runoff 270784.28 (8: 313204.46 (9: 3350135.02 (8: 408699.81 (8: 456777.45 (8: Max V (m/s) 0.6 0.6	0.047 0.016 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	8 8 8 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	ar, 6 hours ste ar, 6 hours ste ar, 6 hours ste ar, 6 hours ste ar, 6 hours ste	AR&R 100 yea AR&R 200 yea AR&R 200 yea AR&R 300 yea AR&R 300 yea AR&R 300 yea AR&R 300 yea	a mm/h, Zone	n, average 23.3 n. average 23.	mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone	1 1 1 1 1 1 1 1	
CatA4_Prop GatA5_Prop GatA5_Prop CatA6_Prop CatB3_Prop Outflow Volumes for Storm AR&R 100 year, 5h AR&R 100 year, 12 AR&R 100 year, 12 AR&R 100 year, 24 PIPE DETAILS Name Pipe13 P18 P20 P22 P24	0 035 0 983 1.11 1.069 0.807 - Total Catchm Total Rainfall cu m 304854:63 3307316 400367 474945.16 539056 13 Max Q (ou.m/s) 0.631 0.598 0.597 0.623 0.572	0.053 0.018 0.983 1.11 1.069 0.807 ant. (156 Impe Total Runoff cu.m (Runoff cu.m (Runoff 456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777	0.047 0.016 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	8 8 8 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	ar, 5 hours sto ar, 6 hours sto ar, 6 hours sto ar, 6 hours sto ar, 6 hours sto	AR&R 100 yea AR&R 200 yea	r, 6 hours storn r, 7 hours storn r, 7 hours storn r, 8 hours storn r, 8 hours storn r, 9 h	n, average 23.3 n. average 23.	mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone	1 1 1 1 1 1 1 1	
CatA4_Prop CatA5_Prop CatA5_Prop CatA6_Prop CatB3_Prop CatB3_Prop Outflow Volumes fo Storm AR&R 100 year, 61 AR&R 100 year, 12 AR&R 100 year, 12 AR&R 100 year, 12 AR&R 100 year, 12 PIPE DETAILS Name Pipe13 P18 P20 F22 P24 P26	0 035 0 983 1.11 1.069 0.807 Total Catchm Total Rainfall cu m 304854:63 3307316 400367 474945.16 539056.13 Max Q (cu.m/s) 0.631 0.598 0.597 0.623 0.572 0.641	0.053 0.018 0.983 1.11 1.069 0.807 ant (156 impe Total Runoff cu,m (Runoff cu,m (Runoff 40,m (Runoff 40,000) 456777.45 (8-40) 60.60 0.60 0.50 0.60	0.047 0.016 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	8 8 8 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	ar, 6 hours sto ar, 6 hours sto	AR&R 100 yea AR&R 200 yea	a mm/h, Zone	n, average 23.3 n. average 23.3	mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone	1 1 1 1 1 1 1 1	
CatA4_Prop CatA5_Prop CatA5_Prop CatA6_Prop CatB3_Prop Outflow Volumes for Storm AR&R 100 year, 6 h AR&R 100 year, 12 AR&R 100 year, 12 AR&R 100 year, 12 AR&R 100 year, 24 PIPE DETAILS Name Pipe13 P18 P20 P22 P24	0 035 0 983 1.11 1.069 0.807 - Total Catchm Total Rainfall cu m 304854:63 3307316 400367 474945.16 539056 13 Max Q (ou.m/s) 0.631 0.598 0.597 0.623 0.572	0.053 0.018 0.983 1.11 1.069 0.807 ant. (156 Impe Total Runoff cu.m (Runoff cu.m (Runoff 456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777.45 (8-456777	0.047 0.016 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	8 8 8 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	ar, 6 hours sto ar, 6 hours sto	AR&R 100 yea AR&R 200 yea	a mm/h, Zone	n, average 23.3 n. average 23.3	mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone	1 1 1 1 1 1 1 1	
CatA4_Prop CatA5_Prop CatA5_Prop CatA6_Prop CatA6_Prop CatB3_Prop Outflow Volumes for Storm AR&R 100 year, 6 h AR&R 100 year, 12 AR&R 100 year, 24 PIPE DETAILS Name Pipe 13 P18 P20 P22 P24 P26 P10	0 035 0 983 1.11 1.069 0.807 Total Catchm Total Reinfall cu m 304854:63 3307316 400367 474945.16 539056 13 Max Q (ou.m/s) 0.631 0.598 0.597 0.623 0.572 0.641 7.698	0.053 0.018 0.983 1.11 1.069 0.807 ant (156 impe Total Runoff cu,m (Runoff cu,m (Runoff 40,m (Runoff 40,000) 456777.45 (8-40) 60.60 0.60 0.50 0.60	0.047 0.016 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	8 8 8 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	ar, 6 hours sto ar, 6 hours sto	AR&R 100 yea AR&R 200 yea	a mm/h, Zone	n, average 23.3 n. average 23.3	mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone	1 1 1 1 1 1 1 1	
CatA4_Prop CatA5_Prop CatA5_Prop CatA6_Prop CatB3_Prop Outflow Volumes fo Storm AR&R 100 year, 6:h AR&R 100 year, 12:AR&R 100 year, 12:AR&R 100 year, 12:AR&R 100 year, 12:PIPE DETAILS Name Pipe13 Pi8 P20 P22 P24 P26	0 035 0 983 1.11 1.069 0.807 - Total Catchm Total Rainfall cu m 304854:63 3307316 400367 474945.16 539056 13 Max Q (cu.m/s) 0.631 0.598 0.597 0.623 0.572 0.641 7.698	0.053 0.018 0.983 1.11 1.069 0.807 lent (156 impe Total Runoff cu,m (Runoff cu,m (Runoff 408699.81 (8) 456777.45 (8) 0.6 0.6 0.5 0.6	0.047 0.016 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	8 8 8 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	ar, 6 hours sto ar, 6 hours sto	AR&R 100 yea AR&R 200 yea	a mm/h, Zone	n, average 23.3 n. average 23.3	mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone	1 1 1 1 1 1 1 1	
CatA4_Prop CatA5_Prop CatA5_Prop CatA6_Prop CatA6_Prop CatB3_Prop Outflow Volumes for Storm AR&R 100 year, 6 h AR&R 100 year, 12 AR&R 100 year, 24 PIPE DETAILS Name Pipe 13 P18 P20 P22 P24 P26 P10	0 035 0 983 1.11 1.069 0.807 Total Catchm Total Reinfall cu m 304854:63 3307316 400367 474945.16 539056 13 Max Q (ou.m/s) 0.631 0.598 0.597 0.623 0.572 0.641 7.698	0.053 0.018 0.983 1.11 1.069 0.807 ant (156 impe Total Runoff cu,m (Runoff cu,m (Runoff 40,m (Runoff 40,000) 456777.45 (8-40) 60.60 0.60 0.50 0.60	0.047 0.016 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	8 8 8 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	ar, 6 hours sto ar, 6 hours sto	AR&R 100 yea AR&R 200 yea	a mm/h, Zone	n, average 23.3 n. average 23.3	mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone	1 1 1 1 1 1 1 1	
CatA4_Prop CatA5_Prop CatA5_Prop CatA6_Prop CatB3_Prop CatB3_Prop Outflow Volumes for Storm AR&R 100 year, 6 h AR&R 100 year, 9 h AR&R 100 year, 24 PIPE DETAILS Name PIPE DETAILS P18 P20 P24 P26 P10 CHANNEL DETAILS	0 035 0 983 1.11 1.069 0.807 Total Catchm Total Rainfall cu m 304854.63 3307316 400387 474945.16 539056.13 Max Q (cu.m/s) 0.631 0.597 0.623 0.572 0.641 7.698 S Max Q	0.053 0.018 0.983 1.11 1.069 0.807 ent.(156 impe Total Runoff ou.m (Runoff 270784, 28 (8: 313204, 46: 3350135.02 (8: 408699, 81 (8: 408699, 81 (8: 408699, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690,	0.047 0.016 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	8 8 8 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	ar, 6 hours sto ar, 6 hours sto	AR&R 100 yea AR&R 200 yea	a mm/h, Zone	n, average 23.3 n. average 23.3	mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone	1 1 1 1 1 1 1 1	
CatA4_Prop CatA5_Prop CatA5_Prop CatA6_Prop CatA6_Prop CatB3_Prop Outflow Volumes fo Storm AR&R 100 year, 64 AR&R 100 year, 94 AR&R 100 year, 12 AR&R 100 y	0 035 0 983 1.11 1.069 0.807 - Total Catchm Total Rainfall cu m 304854:63 3307316 400367 474945.16 539056 13 Max Q (cu.m/s) 0.631 0.598 0.597 0.623 0.572 0.641 7.698	0.053 0.018 0.983 1.11 1.069 0.807 lent (156 impe Total Runoff cu,m (Runoff cu,m (Runoff 408699.81 (8) 456777.45 (8) 0.6 0.6 0.5 0.6	0.047 0.016 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	8 8 8 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	ar, 6 hours sto ar, 6 hours sto	AR&R 100 yea AR&R 200 yea	a mm/h, Zone	n, average 23.3 n. average 23.3	mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone	1 1 1 1 1 1 1 1	
CatA4_Prop CatA5_Prop CatA5_Prop CatA6_Prop CatA6_Prop CatB3_Prop CatB3_Prop Outflow Volumes for Storm AR&R 100 year, 6 h AR&R 100 year, 12 h AR&R 100 year, 24 PIPE DETAILS Name Pipe13 Pi8 P20 P22 P24 P26 P10 CHANNEL DETAILS Name	0 035 0 983 1.11 1.069 0.807 - Total Catchm Total Rainfall cu.m 304854.63 3307316 400367 474945.16 539056 13 Max Q (ou.m/s) 0.631 0.598 0.597 0.623 0.572 0.641 7.698 S Max Q (cu.m/s)	0.053 0.018 0.983 1.11 1.069 0.807 ent.(156 impe Total Runoff ou.m (Runoff 270784, 28 (8: 313204, 46: 3350135.02 (8: 408699, 81 (8: 408699, 81 (8: 408699, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690, 81 (8: 408690,	0.047 0.016 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	8 8 8 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	ar, 6 hours sto ar, 6 hours sto	AR&R 100 yea AR&R 200 yea	a mm/h, Zone	n, average 23.3 n. average 23.3	mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone	1 1 1 1 1 1 1 1	
CatA4_Prop CatA5_Prop CatA5_Prop CatA6_Prop CatA8_Prop CatA8_Prop CatB3_Prop Outflow Volumes fo Storm AR&R 100 year, 6+ AR&R 100 year, 12 AR&R 100 year, 14 PIPE DETAILS Name Pipe13 P18 P20 F22 P24 P26 P10 CHANNEL DETAILS Name OVERFLOW ROUT	0 035 0 983 1.11 1.069 0.807 FTotal Catchm Total Rainfall cu m 304854:63 3307316 400387 474945.16 539056.13 Max Q (cu.m/s) 0.631 0.592 0.672 0.641 7.698 S Max Q (cu.m/s) E DETAILS	0.053 0.018 0.983 1.11 1.069 0.807 ent.(156 impe Total Runoff ou.m (Runoff 270784.28 (6: 408699.81 (8: 408699.81 (8: 406699.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81	0.047 0.016 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	8 8 8 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	ar, 6 hours sto ar, 6 hours sto	AR&R 100 yea AR&R 200 yea	a mm/h, Zone	n, average 23.3 n. average 23.3	mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone mm/h, Zone	1 1 1 1 1 1 1 1	
CatA4_Prop CatA5_Prop CatA5_Prop CatA5_Prop CatA6_Prop CatA6_Prop CatA6_Prop Outflow Volumes for Storm AR&R 100 year, 6th AR&R 100 year, 12 AR&R 100 year, 12 AR&R 100 year, 12 AR&R 100 year, 12 AR&R 100 year, 24 PIPE DETAILS Name Pipe13 P18 P20 P22 P24 P24 P26 P10 CHANNEL DETAILS Name OVERFLOW ROUT Name	0 035 0 983 1.11 1.059 0.807 Total Catchm Total Rsinfall cu m 304854:63 3307316 400367 474945:16 539056:13 Max Q (cu,m/s) 0.631 0.592 0.597 0.623 0.572 0.641 7.698 S Max Q (cu,m/s) E DETAILS Mex Q U/S	0.053 0.018 0.983 1.11 1.069 0.807 ent.(156 impe Total Runoff ou.m (Runoff 270784, 28 (8: 313204.46 313204.46 408699.81 (8: 408699.81 (8: 408699.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408690.81 (8: 408	0.047 0.016 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	8 8 8 8 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	ar, 6 hours stear, 6	AR&R 100 yea AR&R 200 yea AR&R 200 yea AR&R 200 yea AR&R 300 yea AR&R 300 yea AR&R 300 yea AR&R 300 yea	a mm/h, Zone	n, average 23.3 n. average 23.	mmh, Zone mmh, Zone mmh, Zone mmh, Zone mmh, Zone mmh, Zone	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
CatA4_Prop CatA5_Prop CatA5_Prop CatA6_Prop CatA8_Prop CatA8_Prop CatB3_Prop Outflow Volumes fo Storm AR&R 100 year, 6+ AR&R 100 year, 12 AR&R 100 year, 14 PIPE DETAILS Name Pipe13 P18 P20 F22 P24 P26 P10 CHANNEL DETAILS Name OVERFLOW ROUT	0 035 0 983 1.11 1.069 0.807 FTotal Catchm Total Rainfall cu m 304854:63 3307316 400387 474945.16 539056.13 Max Q (cu.m/s) 0.631 0.592 0.672 0.641 7.698 S Max Q (cu.m/s) E DETAILS	0.053 0.018 0.983 1.11 1.069 0.807 ent.(156 impe Total Runoff ou.m (Runoff 270784.28 (6: 408699.81 (8: 408699.81 (8: 406699.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81 (8: 406690.81	0.047 0.016 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	8 8 8 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	ar, 6 hours stear, 6	AR&R 100 yea AR&R 200 yea AR&R 200 yea AR&R 200 yea AR&R 300 yea AR&R 300 yea AR&R 300 yea AR&R 300 yea	a mm/h, Zone	n, average 23.3 n. average 23.3	mmh, Zone mmh, Zone mmh, Zone mmh, Zone mmh, Zone mmh, Zone	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	A.

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			AR&R 100 year, 6 hours storm, average 23.3 mm/h, Zone 1
10 131 0 4311 7			
	65 0.062 0.05		AR&R 100 year, 6 hours storm average 23.3 mm/h, Zone 1
OF104 0.395 0.395 7.	65 0.06 0.04	4 15.94 0.74	AR&R 100 year, 6 hours storm, average 23.3 mm/h, Zone 1
	65 0.062 0.08		AR&R 100 year, 6 hours storm, everage 23.3 mm/h, Zone 1
21.71			
	65 0.059 0.04		AR&R 100 year, 6 hours storm, average 23.3 mm/h, Zone 1
	65 0.059 0.04		AR&R 100 year, 6 hours storm, average 23.3 mm/h. Zone 1
OF340 0.077 0.077 7.	66 0.032 0.0	1 10.38 0.46	AR&R 100 year, 6 hours storm, average 23.3 mm/h, Zone 1
	65 0 0		
			10000000
	65 0.201 0.32		AR&R 100 year, 6 hours storm, average 23.3 mm/h, Zone 1
OF487 0:377 0:377 7:	65 0.059 0.04	4 15.76 0.72	AR&R 100 year, 6 hours storm, average 23.3 mm/h, Zone 1
	65 0.14 0.18		AR&R 100 year, 6 hours storm, average 23.3 mm/h, Zone 1
	65 0.12 0.14		AR&R 100 year, 6 hours storm, average 23.3 mm/h, Zone 1
OF590 1.069 1.069 7.	65 0.089 0.08	9 21.87 0.98	AR&R 100 year, 6 hours storm, average 23.3 mm/h, Zone 1
	65 0.079 0.07		AR&R 100 year, 6 hours storm, average 23.3 mm/h, Zone 1
OF600 0.607 0.607 7.	55 0.075 0.07	19.9 0.91	Artor 100 year, 6 nours storm, average 25.5 minut. 2016 1
DETENTION BASIN DETAILS			
	10.00	+ + + - +	
Name Max WL Max Vol Max Q	Max O Max O		
Total	Law Level High Level		
DetBEx 14.77 14734 2	37 0 2.537	7	
	85 0 4.585		
DetB_Prop 15.9 16986.2 1.	42 0 1.842	2	
DetA_Prop 15.86 28749 1.	25 0 1.925	5	
		+ + -	
DetD_Prop. 15.5 8112.2 6.	35 0 6.735	5	
DetC2 15.57 258 0.	98 0.598 (0	
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	23 0.623	0	
DetC5 15.57 253.4 0.	72 0.572 (0	
DetC6 15.58 266 0:	41 0.641 (o	
15.50 200 0.	71 2.041		
CONTINUITY CHECK for AR&R 100 year, 6 hours storm, a	erage 23.3 mm/h, Zone 1		
Node Inflow Outflow Storage C	an Difference		
	02		
(cu.m) (cu.m)	70	+ +	
N4 18364.09 18364.06	0 0		
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DetDE: 27474.07 17406.40 070	CHE 101	1 1	
DetBEx 27171.37 17435.48 9734			
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OutBEx 18358.44 18358.44 DetAEx 30999.18 30999.08	0 0		
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OutBex 18356.44 18356.44 DetAEx 30999.18 30999.08 N40 30999.08 30999.08 OutAEx 30999.08 30999.08 OutCEx 53292.53 53292.53 DetB_Prop 22608.23 6945.49 1566	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
OutBEx 18358.44 18358.44 DetAEx 30999.18 30999.08 N40 30999.08 30999.08 OutAEx 30999.08 30999.08 OutCEx 53292.53 53292.53 DetB_Prop 22608.23 6945.49 1566 N62 17945.34 17945.34 17945.35	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
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OutBEx 18358.44 18358.44 DetAEx 30999.18 30999.08 N40 30999.08 30999.08 OutAEx 30999.08 30999.08 OutCEx 53292.53 53292.53 DetB_Prop 22608.23 6945.49 1566 N62 17945.34 17945.34 17945.35	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
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OurBEx 18356.44 18358.44 DetAEX 30999.18 30999.08 N40 30999.08 30999.08 OutAEx 30999.08 30999.08 OutCEx 53292.53 53292.53 DetB_Prop 22608.23 6945.49 15664 N62 17945.34 17945.38 17945.38 N63 4245.87 4245.87 4245.87 N64 934.22 934.22 N65 478.66 478.68	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
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OurBEx 18356.44 18358.44 DetAEX 30999.18 30999.08 N40 30999.08 30999.08 OutAEx 30999.08 30999.08 OutCEx 53292.53 53292.53 DetB_Prop 22608.23 6945.49 15664 N62 17945.34 17945.38 17945.38 N63 4245.87 4245.87 4245.87 N64 934.22 934.22 N65 478.66 478.68	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
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OurBEx 18358.44 18358.44 DetAEX 30999.18 30999.08 N40 30999.08 30999.08 OutAEx 30999.08 30999.08 OutCex 53292.53 53292.53 DetB_Prop 22608.23 6945.49 1566 N62 17945.34 17945.34 17945.34 N63 4245.87 4245.87 4245.87 N64 93.422 934.22 934.22 N65 478.68 478.68 478.68 N69 8354.83 8354.83 8354.83 OutB_Prop 8351.38 8351.38 8351.38 N75 35175.95 35176.05 876.05 N76 4866.35 4866.35 11 N77 7329.11 7329.11 7329.11 N78 683.11 683.11 783.11 N79 29406.41 29406.47 29406.47 OutA_Prop 29392.53 29392.53 29392.53 DetD_Prop 52711.73	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		

100 Year ARI Results

N177	2893.97	2893.97	0	0							
N224	2968.94	2968.94	0	0							
N232	417.05	417.05	0	0	- 1						
HW2	53292.54	53292.53	0	0						1	
N50	53292.53	53292.53	0	0							
N294	2893.97	2893.97	0	0					-		
N320	1567.38	1567.38	0	0							
N321	5252.78	5252.78	.0	0							
N322	590.64	590.64	0	0					K		
N323	16478.26	16478.26	0	.0							
N324	661.79	661.79	0	0							
N325	230.38	230.38	0	0	- 1						
N326	24250.82	24251.12	0	0							
N327	16714.37	16714.35	.0	0				1	E .		
N328	8200.33	8200.33	0	0							
N329	6186.29	6186.29	0	0							
Run Log for Mo	orebank_REV02 run	at 10:35:07 on 9	/8/2011								
The maximum	flow exceeded the sa	afe value in the fol	lowing overflow	routes: OF30					-		
The following d	etention basins have	little effect (less t	than 2%) in redu	cing peak dischar	ge: DetD Prop	You might cor	sider upsizing	these, or remo	ving them from	n the model.	

DRAINS Mode	I Name and F	lie Path:	F:\AA003210\	D-Calculations\	C-Civil\Stormw	rater/DRAINS	Post PEA\Moo	rebank_REV02-20110713.dm
DRAINS Version:	Hanne and	2010.09 - 5 A		o-Calculations.	COMISION	ale i Divalito	P Gat P E/Stitled	redain_ncess-set for found
Modeller's Name: Description:		Chris McClelli Moorebank O						
Description.		MIDOLEDANK O	30					
DRAINS results pre	pared 09 Augu	st, 2011 from	Version 2010.0	9				RESULTS
PIT / NODE DETAIL	ė.			Version 8				
Carried to the half a final and a female a table	Max HGL	Max Pond	Max Surface	Max Pond	Min	Overflow	Constraint	Climate Change
		HGL	Flow Arriving	Volume	Freeboard	(cu.m/s)		
HW2	13.19	15.598	(cu.m/s)	(cu.m)	(m) 1.01	0	None	
N50	12,56	13.550	0		1.91		rvoite	
7.7-								
SUB-CATCHMENT Name	Max	Paved	Grassed	Paved	Grassed	Supp.	Due to Storm	
1	Flow Q	Max O	Max Q	To	To	To		
6.14.645	(cu m/s)	(cu.m/s)	(cu.m/s)	(min)	(min)	(min)	4000 400	
CatchB1Ex CatchC1Ex	0.573	1.239	0.573	7	7			ar, 20 minutes storm, average 151 mm/h, Zone 1 ar, 20 minutes storm, average 151 mm/h, Zone 1
CatchBEx	9.21	3.691	5.519	14.5	24	- 0	AR&R 102 ye	ar, 2 hours storm, average 55.3 mm/h, Zone 1
CatchAEx	12.204 5.455	7.118	5.403	13.75	15			ar, 20 minutes storm, average 151 mm/h, Zone 1
CatB1_Prop CatB2(Swale)_Prop	1.81	5.455	0	9.5	8.5			ar, 15 minutes storm, average 173 mm/h, Zone 1 ar, 20 minutes storm, average 151 mm/h, Zone 1
CatB1Ext_Prop	0,573	0	0.573	5	8	0	AR&R 102 ye	ar, 20 minutes storm, average 151 mm/h, Zone 1
CatB2Ext_Prop	0.215	0	0.215	8.5	15.5			ar, 1 hour storm, average 83.6 mm/h. Zone 1
CatA1_Prop CatA2(Swale)_Prop	5.068	5,068	0	12	3			ar, 15 minutes storm, average 173 mm/h, Zone 1 ar, 20 minutes storm, average 151 mm/h, Zone 1
CatA1Ex_Prop	3,423	1.6	1.887	13.2	8.3	0	AR&R 102 ye	ar, 20 minutes storm, average 151 mm/h, Zone 1
CatA2Ex_Prop	0.289	0.000	0.289	-0	18			ar, 1 hour storm, average 83.6 mm/h, Zone 1
CatCa_Prop CatCb_Prop	2.662 2.523	2.662 2.523	0	3	0			ar, 5 minutes storm, average 269 mm/h, Zone 1 ar, 5 minutes storm, average 269 mm/h, Zone 1
CatCc_Prop	2.519	2,519	. 0	3	ő	. 0	AR&R 102 ye	ar, 5 minutes storm, average 269 mm/h, Zone 1
CatCd_Prop	2,625	2 625	0	3	0			ar, 5 minutes storm, average 269 mm/h, Zone 1
CatCe_Prop CatCf_Prop	2,415 2,702	2.415 2.702	0	3	0			ar, 5 minutes storm, average 269 mm/h, Zone 1 ar, 5 minutes storm, average 269 mm/h, Zone 1
CatC2_Prop	9.642	9.642	. 0	. 3	0	. 0	AR&R 102 ye	ar, 5 minutes storm, average 269 mm/h, Zone 1
CatCEx1_Prop	1.482	1.239	0.243	7	7			ar, 20 minutes storm, average 151 mm/h, Zone 1
CatCEx2_Prop Cat_A3_Prop	0.814	1.778	0.369	21.7	25			ar, 1.5 hours storm, average 65.9 mm/h, Zone 1 ar, 5 minutes storm, average 269 mm/h, Zone 1
Cat Carpark_Ex	1,488	1.488	0	5	- 0			ar. 5 minutes storm, average 269 mm/h, Zone 1
CatC1_Prop	1.598	1.598	0		0			ar, 5 minutes storm, average 269 mm/h, Zone 1
CatB3Ext_Prop CatchGEx	0.256 13.487	9.233	0.256 4.589	25	30			ar, 20 minutes storm, average 151 mm/h, Zone 1 ar, 1 hour storm, average 83.6 mm/h, Zone 1
Cat Carpark_Prop	1,488	1.488	0	5	0	-0	AR&R 102 ye	ar, 5 minutes storm, average 269 mm/h, Zone 1
Cat1	0.762	0.452	0.312	5				ar, 25 minutes storm, average 134 mm/h, Zone 1
Cat2 Cat3	2.246 0.312	1.611 0.177	0.692	7	15			ar, 25 minutes storm, average 134 mm/h, Zone 1 ar, 15 minutes storm, average 173 mm/h, Zone 1
Cat4	7.877	7.531	0.347	- 5	15			ar, 5 minutes storm, average 259 mm/h, Zone 1
Cat5	0.339	0.189	0.151	6	8			ar, 15 minutes storm, average 173 mm/h, Zone 1
CatA4_Prop	0.118 3.497	0.066	0.053	6				ar, 15 minutes storm, average 173 mm/h, Zone 1 ar, 15 minutes storm, average 173 mm/h, Zone 1
CatA5_Prop	3.95	3.95	0	6				ar, 15 minutes storm, average 173 mm/h, Zone 1
CatA6_Prop	3.804	3.804	- 0	6	3			ar, 15 minutes storm, average 173 mm/h. Zone 1
CatB3_Prop	2.87	2.87	- 0	6	3	- 0	AR&R 102 ye	ar, 15 minutes storm, average 173 mm/h, Zone 1
							-	
Outflow Volumes for								
				Pervious Runo cu.m (Runoff 9				
AR&R 102 year. 5 n								
AR&R 102 year, 10				12964.96 (61.3				
AR&R 102 year, 15 AR&R 102 year, 20				17581.36 (66.0 21181.25 (68.3		-		
AR&R 102 year, 25				23654.56 (68.8				
AR&R 102 year, 30				26088.34 (69.5			2 5	
AR&R 102 year, 45 AR&R 102 year, 1 h				32193.14 (70.8 36723.75 (71.3				
AR&R 102 year, 1.5	215557.06	196809.39 (9	153129.33 (99	43680.06 (71.8	3%)			
AR&R 102 year. 2 h	241179.64			48809.93 (71.7				
AR&R 102 year, 3 h AR&R 102 year, 4.5				56706.29 (71 2 64704.42 (69.5				
	Sec. 15/11/19	20000000	THE PART OF	- 17 W. TA. 109 .				
PIPE DETAILS	0		A Real Prints	M. A.	B. C. C.			
Name	Max Q (cu.m/s)	Max V (m/s)	Max U/S HGL (m)	Max D/S HGL (m)	Due to Storm			
Pipe13	1.988	(mrs) 1.8			AR&R 102 ye	ar, 5 minutes	storm, average	269 mm/h, Zone 1
P18	1.942	1.8	16.182	16:009	AR8R 102 ye	ar, 5 minutes	storm, average	269 mm/h, Zone 1
P20 P22	1.94	1.8	16.181 16.198					269 mm/h, Zone 1
P24	1.916	1.8	16.198					269 mm/h, Zone 1
P26	2,001	1.9	16,205	16.009	AR&R 102 ye	ar, 5 minutes	storm, average	269 mm/h, Zone 1
P10	15.598	3.4	12.82	12.558	AR&R 102 ye	ar, 1.5 hours	storni, average	65.9 mm/h. Zoné 1
CHANNEL DETAILS	S							
	Max Q	Max V	Chainage	Max	Due to Storm			
	(cu m/s)	(m/s)	(m)	HGL (m)			3	
OVERFLOW ROUT	E DETAILS							
Name	Max Q U/S	Max Q D/S	Safe Q	Max D	Max DxV		Max V	Due to Storm
OF9 OF12	2,679 0.573	2 679	0.256	0.131	0.16	30.13		AR&R 102 year, 2 hours storm, average 55 3 mm/h. Zone 1
OF26	1.482	0.573	0.256	0.07	0.06	17.92 24.57		AR&R 102 year, 20 minutes storm, average 151 mm/h, Zone 1 AR&R 102 year, 20 minutes storm, average 151 mm/h, Zone 1
OF1	2,585	2.585	0.256	0.129	0.16	29.77	1.22	AR&R 102 year, 2 hours storm, average 55.3 mm/h, Zone 1
OF19	11.119	11.119	0.256	0.23	0.42	49.99	1.81	AR&R 102 year, 2 hours storm, average 55.3 mm/h. Zone 1

OF17	11.119	11.119	0,256	0.23	0.42	49.99	1.81	AR&R 102 year	2 hours storm, a	verage 55.3	mm/h. Zon	ie 1
StageDischarge_B	1.27	1.27	0.256	0.097	0.1	23.31	1.01	AR&R 102 year.	4.5 hours storm.	average 33	4 mm/n, Zo	one 1
OF43	8.288	8.288	0.256	-0.206	0.34	45.22	1.65	AR&R 102 year	15 minutes storr	n, average 1	73 mm/h, 2	Zone 1
OF44	1.81	1.81	0.256	0.111	0.12	26.18			20 minutes storr			
OF46	0.573	0.573	0.256	0.07	0.06	17.92			20 minutes storr			
OF47	0,215	0.215	0,256	0.046	0.03	13.25			. 1 hour storm, av			
OF51	1.379	1.379	0.256	0.099	0.1	23.85			, 4.5 hours storm,			
OF58	16.119	16.119	0.256	0.23	0.6	49.99	2.62	AR&R 102 year.	20 minutes storn	n, average 1	51 mm/h, 2	Zone 1
OF59	1.912	1.912	0.256	0.114	0.13	26.72	1.13	AR&R 102 year.	, 20 minutes stom	n, average 1	51 mm/h, 2	Zone 1
OF60	3.423	3.423	0.256	0.144	0.19	32,83			20 minutes storn			
OF61	0.289	0.289	0.256	0.053	0.04	14.51			. 1 hour storm, av			
OF64	4.235	4.235	0.256	-0.158	0.22	35.52			20 minutes storn			
Stage Discharge_A	1.928	1.928	0.256	0.115	0.13	26.9	1.13	AR&R 102 year.	4.5 hours storm.	average 33	4 mm/h, Ze	one 1
OF549	0.056	0.056	0.256	0.028	0.01	9.43	0.42	AR&R 102 year.	2 hours storm, a	verage 55.3	mm/h. Zon	ne f
Stage Discharge_D	14.48	14.48	0.256	0.23	0.54	49.99			. 1.5 hours storm.			
OF550	0		0:256	0.23	0	0	0	The state of the s	, the fiders storing	I I	27,010,10,11,21	one i
A CONTRACT OF THE PARTY OF THE				17			0			_		
OF551	. 0		0.256	0	0	- 0	-0					
OF552	0	.0	0.256	-0	0,	0	0					*
OF553	0	0	0,256	0	0	0	0					
OF554	0.159	0.159	0.256	0.042	0.02	12.35	0.56	AR&R 102 year	2 hours storm, a	verage 55.3	mm/h Zon	ne t
OF102	16.437	16.437	0.256	0.23	0.61	49.99			1.5 hours storm.			
OF101	9.642	9,642	0.256	0.22	0.38	47.91			5 minutes storm			
OF131	1 482	1,482	0,256	0.103	0.11	24.57			, 20 minutes storr			
OF104	0.814	0.814	0.256	0.08	0.07	20.08	0.9	AR&R 102 year.	, 1.5 hours storm.	average 65.	.9 mm/h. 20	one 1
OF205	1.778	1,778	0.256	0.11	0.12	26			. 5 minutes storm			
OF485	1.488	1.488	0.256	0.103	0.11	24.57			5 minutes storm			
				0.106								
OF305	1.598	1,598	0.256		0.11	25.1			, 5 minutes storm			
OF340	0.256	0.256	0.256	0.05	0.03	13.97	0.66	AR&R 102 year	20 minutes store	n average 1	51 mm/h, 2	cone 1
OF28	0	0	0.256	0	0	0	- 0					11.72
OF30	15.598	15.598	0.256	0.23	0.58	49.99	2.54	AR&R 102 year	1.5 hours storm.	average 65	9 mm/h 7	one 1
OF487	1.488	1.488	0,256	0.103	0.11	24.57			5 minutes storm			
			0.256									
OF594	11 159	11.159		0.23	0.42	49.99			15 minutes storr			
OF593	7,706	7.706	0,256	0,201	0,32	44.14			. 15 minutes storr			
OF590	3 804	3.804	0.256	0,15	0.2	34.08	1,36	AR&R 102 year.	, 15 minutes storn	n, average 1	73 mm/h, 2	Zone 1
OF600	2.87	2.87	0.256	0.134	0.17	30.85	1.26	AR&R 102 year	15 minutes storn	n average 1	73 mm/h. 2	Zone 1
								1		1		
-	-									_		-
				_				-				
DETENTION BASIN												
Name	Max WL	MaxVol	Max Q	Max O	Max Q					- 313		
1	+ 1	1	Total	Low Level	High Level			1		- 4	- 1	
DetBEx	14.77	14785.6	2,585	0	2.585		1.7					
DetAEx	14.22	5059.9	11.119	0	11.119			-	_	_		_
						_	-	-		_	-	
DetB_Prop	15,88	16793	1.27	- 0	1.27						-	-
DetA_Prop	15.87	28837.3	1.928	- 0	1.928		- 1					2
DetC1	16.25	802.5	2.044	1.988	0.056							
DetD_Prop	16.01	10835.7	14.48	0	14.48						- 1	
DetC2			1.942	4.030								
					- 0							
	16.23	781.9		1.942	0							
DetC3	16.23	781.2	1.94	1.94	0							
DetC3 DetC4	16.23 16.25	781.2 797.8	1.94	1,94 1,975	0							
DetC3	16.23	781.2	1.94	1.94	0							
DetC3 DetC4	16.23 16.25	781.2 797.8	1.94	1,94 1,975	0							
DetC3 DetC4 DetC5	16.23 16.25 16.21	781.2 797.8 765.9	1.94 1.975 1.916	1,94 1,975 1,916	0							
DetC3 DetC4 DetC5 DetC6	16.23 16.25 16.21 16.26	781.2 797.8 765.9 805	1.94 1.975 1.916 2.16	1.94 1.975 1.916 2.001	0 0 0 0.159							
DetC3 DetC4 DetC5 DetC6 CONTINUITY CHEC	16.23 16.25 16.21 16.26 CK for AR&R 1	781 2 797.8 765.9 805 02 year, 1 hou	1.94 1.975 1.916 2.16 er storm, averag	1,94 1,975 1,916 2,001 ge 83,6 mm/h, 2	0 0 0 0.159							
DetC3 DetC4 DetC5 DetC6 CONTINUITY CHEC	16.23 16.25 16.21 16.26 CK for AR&R 1	781.2 797.8 765.9 805 02 year, 1 hou Outflow	1.94 1.975 1.916 2.16 er storm, average Storage Chan-	1,94 1,975 1,916 2,001 ge 83,6 mm/h, 2	0 0 0 0.159							
DetC3 DetC4 DetC5 DetC6 CONTINUITY CHEC	16.23 16.25 16.21 16.26 CK for AR&R 1 Inflow (cu.m)	781.2 797.8 765.9 805 02 year, 1 hou Outflow (cu.m)	1.94 1.975 1.916 2.16 r storm, average Storage Chan- (cu.m)	1.94 1.975 1.916 2.001 2e 83.6 mm/h, 2 Difference %	0 0 0 0.159							
DetC3 DetC4 DetC5 DetC6 CONTINUITY CHEC Node	16.23 16.25 16.21 16.26 CK for AR&R 1 Inflow (cu.m) 7070.92	781.2 797.8 765.9 805 02 year, 1 hou Outflow (cu.m) 7070.92	1.94 1.975 1.916 2.16 r storm, average Storage Chan- (cu.m)	1,94 1,975 1,916 2,001 ge 83,6 mm/h, 2	0 0 0 0.159							
DetC3 DetC4 DetC5 DetC6 CONTINUITY CHEC	16.23 16.25 16.21 16.26 CK for AR&R 1 Inflow (cu.m)	781.2 797.8 765.9 805 02 year, 1 hou Outflow (cu.m) 7070.92	1.94 1.975 1.916 2.16 r storm, averag Storage Chan- (cu.m)	1.94 1.975 1.916 2.001 2e 83.6 mm/h, 2 Difference %	0 0 0 0.159							
DetC3 DetC4 DetC5 DetC6 CONTINUITY CHEC Node	16.23 16.25 16.21 16.26 CK for AR&R 1 Inflow (cu.m) 7070.92	781.2 797.8 765.9 805 02 year, 1 hou Outflow (cu.m) 7070.92	1.94 1.975 1.916 2.16 r storm, average Storage Chan- (cu.m)	1,94 1,975 1,916 2,001 2e 83,6 mm/h, 2 Difference %	0 0 0 0.159							
DetC3 DetC4 DetC5 DetC6 CONTINUITY CHEC Node N4. N5.	16.23 16.25 16.21 16.26 CK for AR&R 1 Inflow (cu.m) 7070.92 646.36	781.2 797.8 765.9 805 02 year, 1 hou Outflow (cu.m) 7070.92 648.36	1.94 1.975 1.916 2.16 r storm, average Storage Chan- (cu.m)	1,94 1,975 1,916 2,001 2e 83,6 mm/h, 2 Difference %	0 0 0 0.159							
DetC3 DetC4 DetC5 DetC6 CONTINUITY CHEC Node N4 N5 NB DetBEx	16.23 16.25 16.21 16.26 CK for AR&R 1 Inflow (cu.m) 7070.92 646.36 1999.27 17508.87	781.2 797.8 765.9 805 02 year, 1 hou Outflow (cu.m) 7070.92 648.36 1909.27 6431.15	1.94 1.975 1.916 2.46 er storm, average Storage Chann (cu.m) 0 0	1.94 1.975 1.916 2.001 ge 83.6 mm/n, 2 Difference % 0 0	0 0 0 0.159							
DetC3 DetC4 DetC5 DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx OutBEx	16.23 16.25 16.21 16.26 EK for AR&R 1 Inflow (cu.m) 7070.92 646.36 1909.27 17508.87 7064.28	781.2 797.8 765.9 805 02 year. 1 hot Outflow (cu.m) 7070.92 648.36 1909.27 6431.15 7064.28	1.94 1.975 1.916 2.18 r storm, everage Storage Chan- (cu.m) 0 0 11081.07	1.94 1.975 1.916 2.001 2e 83.6 cm/h, 2 0ifference % 0 0 0	0 0 0.459							
DetC3 DetC4 DetC5 DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx OutBEx DetAEx	16.23 16.25 16.21 16.26 CK for AR&R 1 Inflow (cu.m) 7070.92 646.36 1909.27 17508.87 7064.28	781.2 797.8 765.9 805 02 year, 1 hou Outflow (cu.m) 7070.92 648.36 1999.27 6431.15 7064.28	1.94 1.975 1.916 2.16 er storm, average Storage Chan- (cu.m) 0 0 11081.07	1.94 1.975 1.916 2.001 2.883.6 mm/h, 2. Difference 96 0 0	0 0 0 0.159							
DetC3 DetC4 DetC5 DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx OutBEx DetAEx N40	16.23 16.25 16.21 16.26 CK for AR&R 1 Inflow (cu.m) 7070.92 646.36 1909.27 17508.87 7064.28 19563.11	781.2 797.8 785.9 805 02 year, 1 hou Outflow (cu.m) 7070.92 648.36 1909.27 6431.15 7064.28 19563.11	1.94 1.975 1.916 2.46 2 storm, averag Storage Chan- (cu.m) 0 0 11081.07	1.94 1.975 1.916 2.001 2e 83.6 mm/n, 2 Difference 96 0 0 0 0 0 0 0 0 0	0 0 0 0.159							
DetC3 DetC4 DetC5 DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx OutBEx DetAEx	16.23 16.25 16.21 16.26 2K for AR&R 1 Inflow (cu.m) 7070.92 646.36 1909.27 17508.87 7064.28 19563.11	781.2 797.8 785.9 805 02 year, 1 hot. Outflow (cu.m) 7070.92 648.36 1909.27 6431.15 7064.28 19563.11 19563.11	1.94 1.975 1.916 2.46 er storm, average Chan (cu.m) 0 0 11081.07 0 0	1.94 1.975 1.916 2.001 2.883.6 mm/h, 2. Difference 96 0 0	0 0 0 0.159							
DetC3 DetC4 DetC5 DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx OutBEx DetAEx N40	16.23 16.25 16.21 16.26 CK for AR&R 1 Inflow (cu.m) 7070.92 646.36 1909.27 17508.87 7064.28 19563.11	781.2 797.8 785.9 805 02 year, 1 hou Outflow (cu.m) 7070.92 648.36 1909.27 6431.15 7064.28 19563.11	1.94 1.975 1.916 2.46 2 storm, averag Storage Chan- (cu.m) 0 0 11081.07	1.94 1.975 1.916 2.001 2e 83.6 mm/n, 2 Difference 96 0 0 0 0 0 0 0 0 0	0 0 0 0.159							
DetC3 DetC4 DetC5 DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx OutBEx DetAEx N40 OutAEx	16.23 16.25 16.21 16.26 2K for AR&R 1 Inflow (cu.m) 7070.92 646.36 1909.27 17508.87 7064.28 19563.11	781.2 797.8 785.9 805 02 year, 1 hot. Outflow (cu.m) 7070.92 648.36 1909.27 6431.15 7064.28 19563.11 19563.11	1.94 1.975 1.916 2.46 er storm, average Chan (cu.m) 0 0 11081.07 0 0	1.94 1.975 1.916 2.001 2e 83,6 mm/h, 2 Difference % 0 0 0 0 0 0	0 0 0 0.159							
DetC3 DetC4 DetC5 DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBex OutBex DetAex N40 OutAex OutCex DetBex DetBex DetBex DetAex DetBex DetAex DetBex	16.23 16.25 16.21 16.26 2K for AR&R 1 Inflow (cu.m) 7070.92 646.36 1999.27 17508.87 7064.28 19563.11 19563.11 19563.13 132919.43 13494.63	781.2 797.8 785.9 805 02 year, 1 hou Outflow (cu.m) 7070.92 648.36 1909.27 6431.15 7054.28 19563.11 19563.11 19563.11 19563.13 32919.43 1250.8	1.94 1.975 1.916 2.16 2.16 2.16 3 cr storm, everage Chan- (cu.m) 0 0 11081.07 0 0 0 112245.35	1.94 1.975 1.916 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2	0 0 0 0.159							
DetC3 DetC4 DetC5 DetC6 CONTINUITY CHEC Node N4 N5 N8 Det8Ex Out8Ex DetAEx N40 OutAEx OutCEx DetB_Prop N62	16.23 16.25 16.21 16.26 CK for AR&R 1 Inflow (ou.m) 7070.92 646.36 1999.27 17508.87 7064.28 19563.11 19563.11 32919.43 13494.63	781.2 797.8 785.9 805 02 year, 1 hou Outflow (cu.m) 7070.92 648.36 1999.27 6431.15 7064.28 19563.11 19563.11 19563.11 19563.11 32919.43 1250.8	1.94 1.975 1.916 2.16 2.16 2.16 2.16 2.10 2.10 2.10 2.10 2.10 2.10 2.10 2.10	1.94 1.975 1.916 2.001 2e 83.6 mm/h, 2 Difference % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0.159 Cone 1							
DetC3 DetC4 DetC5 DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEX OutBEX DetAEX N40 OutAEX OutAEX OutAEX OutAEX OutAEX OutAEX N62 N63	16.23 16.25 16.21 16.26 2K for AR&R 1 Inflow (cu.m) 7070.92 646.36 1909.27 17508.87 7064.28 19563.11 19563.11 32919.43 13494.63 10679.35 2526.73	781.2 797.8 785.9 805 02 year, 1 hou Outflow (cu.m) 7070.92 648.36 1909.27 6431.15 7064.28 19563.11 19563.11 19563.11 32919.43 1250.8 10679.35 2526.73	1.94 1.975 1.916 2.46 r storm, average Chan- (cu.m) 0 0 11081.07 0 0 0 12245.35	1,94 1,975 1,916 2,001 2e 83,6 mm/h, 2 Difference % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0.159 Cone 1							
DetC3 DetC4 DetC5 DetC5 DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx OutBEx OutBEx OutAEx OutAEx DetB_Prop N62 N63 N84	16.23 16.25 16.21 16.26 2K for AR&R 1 Inflow (cu.m) 7070.92 646.36 1909.27 17508.87 7064.26 19563.11 19563.11 19563.11 19563.11 19563.13 2519.43 13494.63	781.2 797.8 785.9 805 02 year, 1 hou Outflow (cu.m) 7070.92 648.36 1909.27 6431.15 7064.28 19563.11 19563.11 19563.11 19563.13 22919.43 1250.8 10679.35 646.36	1.94 1.975 1.916 2.16 2.16 2.16 3.17 3.17 3.17 3.17 3.17 3.17 3.17 3.17	1.94 1.975 1.916 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2	0 0 0 0.159 Cone 1							
DetC3 DetC4 DetC5 DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx OutBEX DetAEx N40 OutAEx OutCEx DetB DetB N80 N80 N80 N80 N80 N80 N80 N80	16.23 16.25 16.21 16.26 26. K for AR&R 1 Inflow (cu.m) 7070.92 646.36 1999.27 17508.87 7064.28 19563.11 19563.11 19563.11 19563.11 19563.11 32919.43 10679.35 2526.73 646.36	781.2 797.8 785.9 805 02 year, 1 hou Outflow (cu.m) 7070.92 648.36 1909.27 6431.15 7064.28 19563.11 19563.11 19563.11 19563.11 19563.13 1250.8 10679.35 2526.73 646.36	1.94 1.975 1.916 2.16 2.16 2.16 3 r storm, average Chan- (cu.m) 0 0 11081.07 0 0 12245.35 0 0 0 0	1.94 1.975 1.916 2.001 2e 83.6 mm/h, 2 Difference % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0.159 Cone 1							
DetC3 DetC4 DetC5 DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx OutBEx OutBEx OutAEx OutAEx OutAEx OutAEx N63 N63 N64 N65 N69	16.23 16.25 16.21 16.26 2K for AR&R 1 Inflow (cu.m) 7070.92 646.36 1909.27 17508.87 7064.26 19563.11 19563.11 19563.11 19563.11 19563.13 2519.43 13494.63	781.2 797.8 785.9 805 02 year, 1 hou Outflow (cu.m) 7070.92 648.36 1909.27 6431.15 7064.28 19563.11 19563.11 19563.11 19563.13 22919.43 1250.8 10679.35 646.36	1.94 1.975 1.916 2.16 2.16 2.16 3.17 3.17 3.17 3.17 3.17 3.17 3.17 3.17	1.94 1.975 1.916 2.001 2e 83.6 mm/h, 2 Difference % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0.159 Cone 1							
DetC3 DetC4 DetC5 DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx OutBEX DetAEx N40 OutAEx OutCEx DetB DetB N80 N80 N80 N80 N80 N80 N80 N80	16.23 16.25 16.21 16.26 26. K for AR&R 1 Inflow (cu.m) 7070.92 646.36 1999.27 17508.87 7064.28 19563.11 19563.11 19563.11 19563.11 19563.11 32919.43 10679.35 2526.73 646.36	781.2 797.8 785.9 805 02 year, 1 hou Outflow (cu.m) 7070.92 648.36 1909.27 6431.15 7064.28 19563.11 19563.11 19563.11 19563.11 19563.13 1250.8 10679.35 2526.73 646.36	1.94 1.975 1.916 2.16 2.16 2.16 3 r storm, average Chan- (cu.m) 0 0 11081.07 0 0 12245.35 0 0 0 0	1.94 1.975 1.916 2.001 2e 83.6 mm/h, 2 Difference % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0.0459							
DetC3 DetC4 DetC5 DetC5 DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBex OutBex DetAex N40 OutAex OutCex DetB_Prop N82 N83 N84 N85 N84 N85 OutB_Prop OutB_Prop	16.23 16.25 16.21 16.26 CK for AR&R 1 Inflow (cu.m) 7070.92 646.36 1909.27 17508.87 7064.28 19563.11 19563.11 19563.11 19563.11 19563.13 252.673 646.36 329.43 2223.59 2220.59	781.2 797.8 785.9 805 02 year, 1 hou Outflow (cu.m) 7070.92 648.36 1909.27 6431.15 7054.28 19563.11 19563.11 19563.11 32919.43 1250.8 10679.35 2528.73 648.36 329.43 2223.59	1.94 1.975 1.916 2.16 2.16 2.16 3.17 3.17 3.17 3.17 3.17 3.17 3.17 3.17	1.94 1.975 1.916 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2	0 0 0 0.159							
DetC3 DetC4 DetC5 DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBex OutBex OutBex OutBex N40 OutAex OutCex DetB Prop N62 N63 N64 N65 N69 OutB Prop N75	16.23 16.25 16.21 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26	781.2 797.8 785.9 805 02 year, 1 hou Outflow (cu.m) 7070.92 648.36 1909.27 6431.15 7064.28 19563.11 19563.11 19563.11 19563.11 22919.43 1250.8 10679.35 2528.73 646.36 329.43 2223.59 2220.59 2220.59	1.94 1.975 1.916 2.16 2.16 2.16 3.1676 3.1707 0.0 0.0 11081.07 0.0 0.0 0.12245.35 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	1.94 1.975 1.916 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2	0 0 0 0.159							
DetC3 DetC4 DetC5 DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx OutBEx OutBEx OutCex DetAEx N40 OutAEx N63 N64 N65 N69 OutB_Prop N75 N76	16.23 16.25 16.21 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26	781.2 797.8 785.9 805 02 year, 1 hou Outflow (cu.m) 7070.92 648.36 1998.27 6431.15 7064.28 19563.11 19563.11 19563.11 2919.43 1250.8 10679.35 2526.73 646.36 329.43 2223.59 2220.59 2293.39 2895.96	1.94 1.975 1.916 2.16 2.16 2.17 2.18 2.18 2.18 2.18 2.18 2.18 2.18 2.18	1.94 1.975 1.916 2.001 2e 83.6 mm/h, 2 Difference 96 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0.159							
DetC3 DetC4 DetC5 DetC5 DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx OouBEx DetAEx N40 OutAEx OetAEx N62 N62 N63 N64 N65 N65 N76 N76 N776 N776 N776	16.23 16.25 16.21 16.26 26.26 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27	781.2 797.8 785.9 805 02 year, 1 hou Outflow (cu.m) 7070.92 648.36 1909.27 6431.15 7064.28 19563.11 19563.11 19563.11 32919.43 1250.8 10679.35 2528.73 648.36 329.43 2222.59 2220.59 2895.96 4861.59	1.94 1.975 1.916 2.16 2.16 2.16 3.1079 0.00 11081.07 0.00 0.00 12245.35 0.00 0.00 0.00 0.00 0.00 0.00 0.00	1,94 1,975 1,916 2,001 2e 83,6 mm/h, 2 Difference % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0.159							
DetC3 DetC4 DetC5 DetC5 DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx OutBEx OutBEx OutAEx N40 OutAEx N40 OutAEx N63 N84 N65 N69 N65 N69 N77 N77 N778	16.23 16.25 16.21 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26 17.26	781.2 797.8 785.9 805 02 year, 1 hou Outflow (cu.m) 7070.92 648.36 1998.27 6431.15 7064.28 19563.11 19563.11 19563.11 2919.43 1250.8 10679.35 2526.73 646.36 329.43 2223.59 2220.59 2293.39 2895.96	1.94 1.975 1.916 2.16 2.16 2.17 2.18 2.18 2.18 2.18 2.18 2.18 2.18 2.18	1.94 1.975 1.916 2.001 2e 83.6 mm/h, 2 Difference 96 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0.159							
DetC3 DetC4 DetC5 DetC5 DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx OouBEx DetAEx N40 OutAEx OetAEx N62 N62 N63 N64 N65 N65 N76 N76 N776 N776 N776	16.23 16.25 16.21 16.26 26.26 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27	781.2 797.8 785.9 805 02 year, 1 hou Outflow (cu.m) 7070.92 648.36 1909.27 6431.15 7064.28 19563.11 19563.11 19563.11 32919.43 1250.8 10679.35 2528.73 648.36 329.43 2222.59 2220.59 2895.96 4861.59	1.94 1.975 1.916 2.16 2.16 2.16 3.1079 0.00 11081.07 0.00 0.00 12245.35 0.00 0.00 0.00 0.00 0.00 0.00 0.00	1,94 1,975 1,916 2,001 2e 83,6 mm/h, 2 Difference % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0.159							
DetC3 DetC4 DetC5 DetC5 DetC6 CONTINUITY CHECN Node N4 N5 N8 DetBEx OutBEx OutBEx OutBEx N40 OutAEx N40 OutAEx N40 OutAEx N63 N64 N65 N69 OutB N65 N69 N61 N76 N76 N776 N776 N778 N779	16.23 16.25 16.21 16.26 16.21 16.26 26.65 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70	781.2 797.8 785.9 805 02 year, 1 hou Outflow (cu.m) 7070.92 648.36 1909.27 6431.15 7064.28 19563.11 19563.11 19563.11 19563.11 19563.13 1250.8 10679.35 2526.73 646.36 329.43 2223.59 20933.32 2895.96 4661.59 468.25 10841.74	1.94 1.975 1.916 2.16 2.16 2.16 3.17 3.17 3.17 3.17 3.17 3.17 3.17 3.17	1.94 1.975 1.916 2.001 2e 83.6 mm/n, 2 Difference % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0.159							
DetC3 DetC4 DetC5 DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx OutBEx OutBEx OutBEx OutBex OutBer N63 N64 N65 N65 N665 N76 N77 N78 N77 N78 OutB_Prop OutB_Prop OutB_Prop OutB_Prop N75 N77 N78 N77 N78 OutB_Prop OutB_Prop	16.23 16.25 16.21 16.26 26.26 26.26 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70 27.70	781.2 797.8 765.9 805 02 year, 1 hou Outflow (cu.m) 7070.92 646.36 1909.27 6431.15 7064.28 19563.11 19563.11 19563.11 32919.43 1250.8 10679.35 2526.73 646.36 329.43 3223.59 2220.59 20933.32 2895.96 4661.59 468.25 10841.74	1.94 1.975 1.916 2.18 2.18 r storm average Chan (cu.m) 0 0 11081.07 0 0 12245.35 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1,94 1,975 1,916 2,001 2e 83,6 mm/h, 2 Difference % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0.159							
DetC3 DetC4 DetC5 DetC5 DetC5 DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx DotAEx N40 OutAEx DetB_Prop N82 N83 N84 N85 N85 N85 N80 N87 N87 N87 N77 N78 N78 N79 OutA_Prop DetA_Prop	16.23 16.25 16.21 16.26 16.21 16.26 26.26 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27	781.2 797.8 785.9 805 02 year, 1 hou Outflow (cu.m) 7070.92 648.36 1909.27 6431.15 7064.28 19563.11 19563.11 19563.11 19563.13 229.59 220.59 220.59 220.59 220.59 220.59 220.59 266.59 4661.59 469.25 10841.74 10828.75 574.26	1.94 1.975 1.916 2.16 2.16 2.16 2.16 3.17 3.17 3.17 3.17 3.17 3.17 3.17 3.17	1.94 1.975 1.916 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2	0 0 0 0.159							
DetC3 DetC4 DetC5 DetC5 DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx DetAEx N40 OutBEx OutBEx OutBEx N63 N64 N65 N69 OutB_Prop N75 N76 N77 N77 N78 N79 OutB_Prop DetA_Prop DetC1	16.23 16.25 16.21 16.26 16.26 16.21 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26	781.2 797.8 785.9 805 02 year, 1 hou Outflow (cu.m) 7070.92 648.36 1909.27 6431.15 7064.28 19563.11 19563.11 19563.11 19563.11 2291.943 1250.8 10679.35 2528.73 646.36 329.43 2223.59 20933.32 2895.96 4861.59 20933.32 2895.96 4861.59 10841.74 10828.97	1.94 1.975 1.916 2.18 2.18 2.18 1.916 2.18 1.916 2.18 1.916 2.18 1.916 2.18 1.916 2.916 2.916 2.916 2.916 2.916 2.916 2.916 2.917 2.916 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.	1.94 1.975 1.916 2.001 2e 83.6 mm/h.2 Difference % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0.159							
DetC3 DetC4 DetC5 DetC5 DetC5 DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx DotAEx N40 OutAEx DetB_Prop N82 N83 N84 N85 N85 N85 N80 N87 N87 N87 N77 N78 N78 N79 OutA_Prop DetA_Prop	16.23 16.25 16.21 16.26 16.21 16.26 26.26 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27 27.27	781.2 797.8 785.9 805 02 year, 1 hou Outflow (cu.m) 7070.92 648.36 1909.27 6431.15 7064.28 19563.11 19563.11 19563.11 19563.13 2219.59 2528.73 2528.73 2646.36 329.43 2223.59 2209.33.32 2895.96 466.55 10841.74 10828.37 5724.66 2940.83	1.94 1.975 1.916 2.18 2.18 r storm average Chan (cu.m) 0 0 11081.07 0 0 11082.55 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1.94 1.975 1.916 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2	0 0 0 0.159							
DetC3 DetC4 DetC5 DetC5 DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx DetAEx N40 OutBEx OutBEx OutBEx N63 N64 N65 N69 OutB_Prop N75 N76 N77 N77 N78 N79 OutB_Prop DetA_Prop DetC1	16.23 16.25 16.21 16.26 16.26 16.21 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26	781.2 797.8 765.9 805 02 year, 1 hou Outflow (cu.m) 7070.92 646.36 1909.27 6431.15 7064.28 19563.11 19563.11 19563.11 32919.43 1250.8 10679.35 2526.73 646.36 329.43 3223.59 2220.59 20933.32 2895.96 4661.59 469.25 10841.74 10828.37 57.24.26 2940.83 29295.13	1.94 1.975 1.916 2.18 2.18 2.18 1.916 2.18 1.916 2.18 1.916 2.18 1.916 2.18 1.916 2.916 2.916 2.916 2.916 2.916 2.916 2.916 2.917 2.916 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.	1.94 1.975 1.916 2.001 2e 83.6 mm/h.2 Difference % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0.159							
DetC3 DetC4 DetC5 DetC5 DetC5 DetC5 DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx DetBEx OutBEx DetAEx N40 OutAEx OetB_Prop N62 N63 N64 N65 N65 N76 N77 N78 N79 N79 DetC_Prop DetC_DetC_DetC_DetC_DetC_DetC_DetC_DetC_	16.23 16.25 16.21 16.26 16.21 16.26 26.26 26.26 26.26 26.36 1909.27 17508.87 7064.28 19563.11 19563.11 19563.11 19563.11 19563.11 19563.11 252.673 646.36 329.43 222.59 2033.32 220.59 2093.32 220.59 2093.32 220.59 2093.32 220.59 2093.32 220.59 2093.32 220.59 2093.32 220.59 2093.32 220.59 2093.32 220.59 2093.32 220.59 2093.32 220.59 2093.32 220.59 2093.32 220.59 2093.32 220.59 2093.32 220.59 2093.32 220.59 2093.32 220.59 2093.32 220.59 2093.32 220.59 2093.32 220.59 2093.32 220.59 2093.32 220.59 2093.32 220.59 2093.32 220.59 2093.32 220.59 2093.32 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.	781.2 797.8 785.9 805 02 year, 1 hou Guttlow (cu.m) 7070.92 648.36 1909.27 6431.15 7054.28 19563.11 19563.11 19563.11 19563.13 229.38 2220.59 2220.59 2220.59 2220.59 24661.56 469.25 10841.74 10828.37 5724.26 2940.83 2295.83	1.94 1.975 1.916 2.16 2.16 2.16 2.16 3.16 2.16 3.16 3.16 3.16 3.16 3.16 3.16 3.16 3	1.94 1.975 1.916 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2	0 0 0 0.159							
DetC3 DetC4 DetC5 DetC5 DetC5 DetC6 CONTINUITY CHEC Node N4 N15 N8 DetBEx OutBEx OutBEx OutAEx N40 OutAEx N40 OutAEx N63 N64 N65 N69 N77 N78 N76 N77 N77 N778 N79 OutA_Prop DetC1 DetC Prop DetC2 DetC3	16.23 16.25 16.21 16.26 16.21 16.26 CK for AR&R 1 Inflow (cu.m) 7070.92 646.36 1909.27 17508.87 7064.28 19563 11 19563 11 19563 11 19563 11 19563 13 229.19 222.59 20933 32 2895.96 466.36 466.36 5220.59 20933 32 2895.96 466.19 2789.43 2789.43	781.2 797.8 785.9 805 02 year, 1 hou Outflow (cu.m) 7070.92 648.36 1909.27 6431.15 7064.28 19563.11 19563.11 19563.11 19563.13 2919.43 1250.8 10679.35 2220.59 20933.32 2895.96 466.36 329.43 2223.59 20933.32 2895.96 10841.74 10828.75 10841.74 10828.75 2240.83 28295.13 2788.02 2783.07	1.94 1.975 1.916 2.16 2.16 2.16 2.16 3.16 2.16 3.16 3.16 3.16 3.16 3.16 3.16 3.16 3	1.94 1.975 1.916 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2	0 0 0 0.159							
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DetC3 DetC4 DetC5 DetC5 DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx OutBEx DetAEx N40 OutAEx OutCEx DetB Prop N62 N63 N64 N65 N69 OutB_Prop N76 N76 N776 N776 N776 N779 OutA_Prop DetC2 DetC2 DetC2 DetC2 DetC4	16.23 16.25 16.21 16.26 16.21 16.26 26.26 27.27 27.27 27.29 27.29 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20 27.20	781.2 797.8 785.9 805 02 year, 1 hou Outflow (cu.m) 7070.92 648.36 1909.27 6431.15 7064.28 19563.11 19563.11 19563.11 19563.11 19563.13 2250.89 10679.35 2526.73 646.36 329.43 2223.59 2205.59 20933.32 2895.96 4661.59 20933.32 2895.96 4661.59 20933.32 2895.96 4661.59 20933.32 2895.96 4661.59 20933.32 2895.96 4661.59 20933.32 2895.96 4661.59 20933.32 2895.96 4661.59 20933.32 2895.96 4661.59 20933.32 2895.96 4661.59 20933.32 2895.96 4661.59	1.94 1.975 1.916 2.18 2.18 2.18 3 r storm, average Change (culm) 0 0 11081.07 0 0 0 112245.35 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1.94 1.975 1.916 2.001 2e 83.6 mm/n, 2 Difference % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0.159 Cone 1							
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DetC3 DetC4 DetC5 DetC5 DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx OutBEx OutBEx N40 OutAEx OutCEx DetB Prop N62 N63 N64 N65 N69 OutB Prop N75 N76 N77 N77 N78 N79 DetA Prop DetC1 DetC Prop DetC2 DetC4 DetC5 DetC4 DetC5 DetC6 N92	16.23 16.25 16.21 16.26 16.21 16.26 16.21 16.26 16.21 16.26 16.21 16.26 16.21 16.26 16.21 16.26 16.21 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26 16.26	781.2 797.8 785.9 805 02 year, 1 hou Outflow (cu.m) 7070.92 648.36 1909.27 6431.15 7064.28 19563.11 19563.11 19563.11 19563.11 220.8 10679.35 2528.73 646.36 329.43 2223.59 2223.59 2223.59 220.59 20933.32 2895.96 4661.59 20933.32 2895.96 4661.59 2783.97 2788.02 2783.97 2900.36 2668.25 2995.14 32655.34	1.94 1.975 1.916 2.16 2.175 2.18 1.916 2.18 1.916 2.18 1.916 2.18 1.918 1.918 1.918 1.918 1.918 1.918 1.928 1.39 1.39 1.39 1.39	1.94 1.975 1.916 2.001 20 83.6 mm/h.2 Difference 96 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0.159							
DetC3 DetC4 DetC5 DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx OutAEx Out	16.23 16.25 16.21 16.26 16.21 16.26 CK for AR&R 1 Inflow (cu.m) 7070.92 646.36 1909.27 17508.87 7064.28 19563.11 132919.43 13494.63 10679.35 2526.73 646.36 329.43 2223.59 2220.59 20933.32 2385.96 4661.59 469.25 10841.75 10828.37 25795.15 2942.22 31400.79 2789.4 2784.45 2969.82 23856.82 32655.34 32665.83 32655.34 32665.83	781.2 797.8 785.9 805 02 year, 1 hou Outflow (cu.m) 7070.92 648.36 1909.27 6431.15 7064.28 19563.11 19563.11 19563.11 19563.11 32919.43 1250.8 10679.35 2528.73 646.36 329.43 32223.59 2220.59 20933.32 2895.96 4861.59 469.25 108.41.74 108.28.37 57.74.26 2940.83 29495.13 2788.02 2783.07 2900.36 2668.25 2985.43	1.94 1.975 1.916 2.18 2.18 2.18 2.18 2.18 2.18 2.18 2.18	1,94 1,975 1,916 2,001 2e 83,6 mm/h, 2 Difference % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0.159							
DetC3 DetC4 DetC5 DetC5 DetC5 DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx OutBEx OutBEx OutBEx N40 OutAEx N60 OutCEx DetB_Prop N82 N63 N64 N65 N76 N77 N78 N79 DetB_Prop DetC2 DetC3 DetC4 DetC5 DetC5 DetC6 N92 OutC_Prop N95	16.23 16.25 16.21 16.26 16.21 16.26 16.21 16.26 CK for AR&R 1 Inflow (cu.m) 7070.92 646.36 1909.27 17508.87 7064.28 19563.11 19563.11 19563.11 19563.11 19563.11 19563.13 2226.73 646.36 2223.59 2220.59 2223.59 2223.59 2223.59 2223.59 2223.59 2223.59 2223.59 2223.59 2223.59 2223.59 2223.59 2223.59 2223.59 2223.59 2223.59 2223.59 2223.59 2223.59 223.59 223.59 223.59 223.59 223.59 228.59 2365.53 2565.34 2565.34 2565.34	781.2 797.8 785.9 805 02 year, 1 hou Guttlow (cu.m) 7070.92 648.36 1909.27 6431.15 7064.28 19563.11 19563.11 19563.11 19563.13 229.43 2220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59	1.94 1.975 1.916 2.16 2.16 2.16 2.16 3.16 2.16 2.16 3.16 3.10 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.	1.94 1.975 1.916 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2	0 0 0 0.159							
DetC3 DetC4 DetC5 DetC5 DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx DetAEx N40 OutBEx OutBEx OutBEx N63 N64 N65 N65 N66 N76 N77 N77 N77 N77 N77 N78 N79 OutA_Prop DetC1 DetC Prop DetC2 DetC3 DetC4 DetC5 DetC6 N92 OutC_Prop N95 N96	16.23 16.25 16.21 16.26 16.21 16.26 16.21 16.26 EK for AR&R 1 Inflow (cu.m) 7070.92 646.36 1999.27 17508.87 7064.20 19563.11 19563.11 19563.11 19563.11 19563.13 22919.43 13494.63 10679.35 2220.59 20933.32 2895.96 469.25 10841.75 10828.37 25795.17 2789.4 2789.4 2789.4 2789.4 2789.4 2789.4 2789.4 2789.4 2789.6 2789.6 2789.7 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8	781.2 797.8 785.9 805 02 year, 1 hou Outflow (cu.m) 7070.92 648.36 1909.27 6431.15 7064.28 19563.11 19563.11 19563.11 19563.13 2223.59 2222.59 2223.59 2223.59 2223.59 2223.59 2223.59 2223.59 2223.59 2223.59 2223.59 2223.59 2223.59 223.59 223.59 223.59 223.59 223.59 223.59 223.59 223.59 223.59 223.59 223.59 223.59 223.59 223.59 223.59 223.59 223.59 233.32 2855.36 2324.38 2655.34	1.94 1.975 1.916 2.16 2.16 2.16 3.16 3.16 3.16 3.16 3.16 3.16 3.16 3	1.94 1.975 1.916 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2	0 0 0 0.159 Cone 1							
DetC3 DetC4 DetC5 DetC5 DetC5 DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx OutBEx OutBEx OutBEx N40 OutAEx N60 OutCEx DetB_Prop N82 N63 N64 N65 N76 N77 N78 N79 DetB_Prop DetC2 DetC3 DetC4 DetC5 DetC5 DetC6 N92 OutC_Prop N95	16.23 16.25 16.21 16.26 16.21 16.26 16.21 16.26 CK for AR&R 1 Inflow (cu.m) 7070.92 646.36 1909.27 17508.87 7064.28 19563.11 19563.11 19563.11 19563.11 19563.11 19563.13 2226.73 646.36 2223.59 2220.59 2223.59 2223.59 2223.59 2223.59 2223.59 2223.59 2223.59 2223.59 2223.59 2223.59 2223.59 2223.59 2223.59 2223.59 2223.59 2223.59 2223.59 2223.59 223.59 223.59 223.59 223.59 223.59 228.59 2365.53 2565.34 2565.34 2565.34	781.2 797.8 785.9 805 02 year, 1 hou Guttlow (cu.m) 7070.92 648.36 1909.27 6431.15 7064.28 19563.11 19563.11 19563.11 19563.13 229.43 2220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59 220.59	1.94 1.975 1.916 2.16 2.16 2.16 2.16 3.16 2.16 2.16 3.16 3.10 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.	1.94 1.975 1.916 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2	0 0 0 0.159 Cone 1							
DetC3 DetC4 DetC5 DetC5 DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx DetAEx N40 OutBEx OutBEx OutBEx N63 N64 N65 N65 N66 N76 N77 N77 N77 N77 N77 N78 N79 OutA_Prop DetC1 DetC Prop DetC2 DetC3 DetC4 DetC5 DetC6 N92 OutC_Prop N95 N96	16.23 16.25 16.21 16.26 16.21 16.26 16.21 16.26 EK for AR&R 1 Inflow (cu.m) 7070.92 646.36 1999.27 17508.87 7064.20 19563.11 19563.11 19563.11 19563.11 19563.13 22919.43 13494.63 10679.35 2220.59 20933.32 2895.96 469.25 10841.75 10828.37 25795.17 2789.4 2789.4 2789.4 2789.4 2789.4 2789.4 2789.4 2789.4 2789.6 2789.6 2789.7 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8 2789.8	781.2 797.8 785.9 805 02 year, 1 hou Outflow (cu.m) 7070.92 648.36 1909.27 6431.15 7064.28 19563.11 19563.11 19563.11 19563.13 2223.59 2222.59 2223.59 2223.59 2223.59 2223.59 2223.59 2223.59 2223.59 2223.59 2223.59 2223.59 2223.59 223.59 223.59 223.59 223.59 223.59 223.59 223.59 223.59 223.59 223.59 223.59 223.59 223.59 223.59 223.59 223.59 223.59 233.32 2855.36 2324.38 2655.34	1.94 1.975 1.916 2.16 2.16 2.16 3.16 3.16 3.16 3.16 3.16 3.16 3.16 3	1,94 1,975 1,916 2,001 2e 83,6 mm/h, 2 Difference % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0.159 Cone 1							
DetC3 DetC4 DetC5 DetC5 DetC5 DetC5 DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx DetBEx OutBEx DetAEx N40 OutAEx DetB_Prop N62 N63 N64 N65 N76 N77 N78 N79 DetC2 DetC4 DetC2 DetC2 DetC3 DetC4 DetC4 DetC5 DetC6 N92 N95 N96 N96 N97 N97 N97 N97 N97 N97 N98 N996 N997 N997 N997 N997 N997 N997 N997	16.23 16.25 16.21 16.26 16.21 16.26 16.21 16.26 CK for AR&R 1 Inflow (cu.m) 7070.92 646.36 1909.27 17508.87 7064.28 19563.11 19563.11 19563.11 19563.11 19563.11 19563.11 19563.13 222.67 3646.36 329.43 2223.59 2023.33 2220.59 20933.32 223.59 10841.75 10828.37 25795.15 2942.22 31400.79 2789.4 2784.45 2901.74 2669.64 2986.82 32655.34 32667.31	781.2 797.8 785.9 805 02 year, 1 hou Guttlow (cu.m) 7070.92 648.36 1909.27 6431.15 7064.28 19563.11 19563.11 19563.11 19563.11 32919.43 1250.8 10679.35 2528.73 646.36 329.43 2223.59 2220.59 20933.32 2285.96 4661.59 469.25 10841.74 10828.97 5724.26 2940.83 2929.83 2929.83 2929.83 2929.83 2929.83 2929.83 2929.83 2929.83 2929.83 2929.83 2929.83 2929.83 2929.83 2929.83 2929.83 2929.83 2929.83 2929.83 2929.83 2929.83 2929.83 2929.83	1.94 1.975 1.916 2.16 2.16 2.16 2.16 3.16 2.16 2.16 3.16 3.16 3.16 3.16 3.16 3.16 3.16 3	1.94 1.975 1.916 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2	0 0 0 0.159 Cone 1							
DetC3 DetC4 DetC5 DetC5 DetC5 DetC6 CONTINUITY CHEC Node N4 N15 N8 DetBEx OutBEx OutBEx OutAEx N40 OutAEx N40 OutAEx N63 N84 N65 N69 N77 N78 N75 N76 N77 N78 N79 DetA_Prop DetC1 DetD_Prop DetC2 DetC3 DetC4 DetC5 DetC5 DetC6 N92 OutC_Prop N95 N96 N97 N97 N96 N97 N97 N96 N97	16.23 16.25 16.21 16.26 16.21 16.26 16.21 16.26 26 16.27 16.26 27 17.508.87 7070.92 64.63.6 1909.27 17508.87 7064.28 19563.11 19563.11 19563.11 19563.11 19563.13 229.19.43 13494.63 10679.35 2220.59 20933.32 2895.96 4661.59 4661.59 4669.64 2784.45 2911.74 2669.64 2784.45 2901.74 2669.64 2986.82 32655.34 32647.08 10659.71 1909.27 1646.24 1905.88 1722.21	781.2 797.8 785.9 805 02 year, 1 hou Outflow (cu.m) 7070.92 648.36 1909.27 6431.15 7064.28 19563.11 19563.11 19563.11 19563.13 2919.43 1250.8 10679.35 2220.59 20933.32 2895.96 4661.59 469.25 10841.74 10828.73 5788.02 2783.07 2900.36 2248.32 2783.07 2900.36 2668.25 2985.44 32655.34 32647.08 10653.71 1909.27 1546.24	1.94 1.975 1.916 2.16 2.16 2.16 2.16 3.16 2.16 3.16 3.16 3.16 3.16 3.16 3.16 3.16 3	1.94 1.975 1.916 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2	0 0 0 0.159 Cone 1							
DetC3 DetC4 DetC5 DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx OutBEx OutBEx OutCex DetB Prop N63 N64 N65 N66 N76 N77 N78 N79 OutA_Prop DetA_Prop DetA_Prop DetC2 DetC3 DetC2 DetC3 DetC4 DetC5 DetC2 DetC3 DetC4 DetC5 DetC5 DetC5 DetC5 DetC5 DetC5 DetC6 N92 OutC_Prop N95 N97 N196 N97 N197 N197 N196 N97 N197 N197 N198	16.23 16.25 16.21 16.21 16.26 16.21 16.26 26.26 26.27 17508.87 7070.92 646.36 1909.27 17508.87 7094.28 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19658 19658 19658 19658 19658 19658 19658 19658 19658 19658 19658 19658 19658 19658 19658 19658 19658 19658 19658 19658 19658 19658 19658 19658 19668	781.2 797.8 765.9 805 02 year, 1 hou Outflow (cu.m) 7070.92 646.36 1909.27 6431.15 7064.28 19563.11 19563.11 19563.11 19563.11 32919.43 1250.8 10679.35 2526.73 646.36 329.43 32223.59 2220.59 20933.32 2895.96 4661.59 469.25 108.41.74 108.28.37 57.24.26 2940.83 20295.13 27.80.02 27.83.07 2900.36 2668.25 2985.44 32655.34 32647.08 10653.71 1909.27 1546.24 1965.88 1722.21 1766.81	1.94 1.975 1.916 2.18 2.18 r storm averag Storage Chan (cu.m) 0 0 11081.07 0 0 0 112245.35 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1,94 1,975 1,916 2,001 2e 83,6 mm/h, 2 Difference % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0.0.159							
DetC3 DetC4 DetC5 DetC5 DetC5 DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx OutBEx DetAEx N40 OutAEx OutAEx OutAEx N63 N84 N85 N86 N86 N876 N77 N78 N79 N78 N79 DetC1 DetC4 DetC5 DetC4 DetC5 DetC4 DetC5 DetC4 DetC5 DetC5 DetC6 N92 OutCProp N95 N96 N97 N97 N189 N97 N189 N97 N189 N97 N189 N97 N98 N99 N97 N99 N97 N189 N97 N189 N97 N189 N97 N189 N97 N189 N97 N189 N177 N1224 N232	16.23 16.25 16.21 16.26 16.21 16.26 16.21 16.26 CK for AR&R 1 Inflow (cu.m) 7070.92 646.36 1909.27 17508.87 7064.82 19563.11 19563.11 19563.11 19563.11 19563.11 22919.43 13494.63 2222.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 2220.59 22	781.2 797.8 785.9 805 02 year, 1 hou Outflow (cu.m) 7070.92 648.36 1909.27 6431.15 7054.28 19563.11 19563.11 19563.11 19563.11 32919.43 1250.8 10679.35 2528.73 648.36 329.43 32223.59 2220.59 20933.32 223.59 4661.25 10841.74 10828.37 5724.26 2940.83 29295.13 2783.02 2783.07 1786.81 1965.84 1766.81 1965.88 1722.21 1766.81 1288.54	1.94 1.975 1.916 2.16 2.16 2.16 2.16 3.16 2.16 2.16 3.16 3.16 3.16 3.17 3.17 3.17 3.17 3.17 3.17 3.17 3.17	1.94 1.975 1.916 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2	0 0 0 0.159 Cone 1							
DetC3 DetC4 DetC5 DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx OutBEx OutBEx OutCex DetB Prop N63 N64 N65 N66 N76 N77 N78 N79 OutA_Prop DetA_Prop DetA_Prop DetC2 DetC3 DetC2 DetC3 DetC4 DetC5 DetC2 DetC3 DetC4 DetC5 DetC5 DetC5 DetC5 DetC5 DetC5 DetC6 N92 OutC_Prop N95 N97 N196 N97 N197 N197 N196 N97 N197 N197 N198	16.23 16.25 16.21 16.21 16.26 16.21 16.26 26.26 26.27 17508.87 7070.92 646.36 1909.27 17508.87 7094.28 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19563 19658 19658 19658 19658 19658 19658 19658 19658 19658 19658 19658 19658 19658 19658 19658 19658 19658 19658 19658 19658 19658 19658 19658 19658 19658 19658	781.2 797.8 765.9 805 02 year, 1 hou Outflow (cu.m) 7070.92 646.36 1909.27 6431.15 7064.28 19563.11 19563.11 19563.11 19563.11 32919.43 1250.8 10679.35 2526.73 646.36 329.43 32223.59 2220.59 20933.32 2895.96 4661.59 469.25 108.41.74 108.28.37 57.24.26 2940.83 20295.13 27.80.02 27.83.07 2900.36 2668.25 2985.44 32655.34 32647.08 10653.71 1909.27 1546.24 1965.88 1722.21 1766.81	1.94 1.975 1.916 2.18 2.18 r storm averag Storage Chan (cu.m) 0 0 11081.07 0 0 0 112245.35 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1.94 1.975 1.916 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2	0 0 0 0.159 Cone 1							

N50	32919.43	32919.43	- 0	- 0				
N294	1722.21	1722.21	0	-0				
N320	990.05	990.05	.0	0				
N321	3270.52	3270.52	0	0				
						_		_
N322	373.52	373.52	. 0	0	_			_
N323	9977 67	9977.67		-0				
N324	418.52	418.52	. 0	-0	+			
N325	145.7	145,7	0	0				
N326	14431.86	14431.87	0	0				
N327	9946.69	9946.89	0	- 0				$\overline{}$
N328	4880.01	4880.01	0	0	-			
N329	3681.48	3681.48	. 0	-0				_
Run Log for Mooreb	ank_REV02 n	un at 14:08:29	on 9/8/2011			A T		
The maximum flow i	exceeded the	safe value in th	ie following ove	rflow routes, O	F600_OF594,	OF593, OF59	0. OF487, OF485, OF305, OF205, OF131, OF104, OF102, OF101, StageDischarg	ge_D, C
DRAINS results pre	nared 09 Augu	ist 2011 from	Version 2010 0	9				
Dier into te sons pre-	pared ou riage	ESC, MOST F HORES	TOTAL ESTATE					
DIT / NODE DETAIL		_		Marie D	-			_
PIT / NODE DETAIL				Version 8				
Name	Max HGL	Max Pond	Max Surface	Max Pond	Min	Overflow	Constraint	
		HGL	Flow Amving	Volume	Freeboard	(cu:m/s)		
		7	(cu.m/s)	(cu.m)	(m)			
HW2	12,68	9,326			1.52	. 0	None	
N50	12.2		0		7,55	-		
1100	1500			-	-			_
SUB-CATCHMENT								
Name	Max	Paved	Grassed	Paved	Grassed	Supp.	Due to Storm	
	Flow Q	Max Q	Max Q	To	Tc	To		
	(cu.m/s)	(cu.m/s)	(cu.m/s)	(min)	(min)	(min)		
CatchB1Ex	0.213	0	0.213	- 2			AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1	
	0.52	0.432	0.088	3			AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1	_
CatchC1Ex				7	/			
CatchBEx	5,314	1.892	3.422	14.5	24		AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1	
CatchAEx	5.7	2.985	2.715	13,75	15	0	AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1	
CatB1_Prop	1.842	1.842	0	6		. 0	AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1.	-
CatB2(Swale) Prop	0.665	0.665	0	9.5	8.5		AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1	
CatB1Ext Prop	0.213	0.000	0.213	5	8		AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1	
	0.109	0	0.109	-	15.5			
Cat82Ext_Prop				.8,5			AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1	_
CatA1_Prop	1.712	1.712	0	-6	3		AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1	
CatA2(Swale)_Prop	0.762	0.762	0	12	- 11	- 0	AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1	
CatA1Ex_Prop	1.369	0.661	0.707	13.2	8.3	0	AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1	
CatA2Ex_Prop	0.155	0	0.155	- 0	18		AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1	
CatCa_Prop	0.775	0.775	0	3	0		AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1	
				9				_
CatCb_Prop	0.734	0.734	0	3	0		AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1	_
CatCc_Prop	0.733	0.733	-0	3	0		AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1	
CatCd_Prop	0.764	0.764	0	3	-0		AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1	
CatCe_Prop	0.703	0.703	- 0	3	0		AR&R 102 year, 6 hours storm, average 26 mm/h, Zone 1	
CatCf Prop	0.786	0.786	0	3	-0		AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1	
CatC2_Prop	2.806	2.806	0	2	0		AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1	
				- 2				
CatCEx1_Prop	0.52	0.432	0.088	- (7		AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1	
CatCEx2_Prop	0.481	0.252	0.228	21.7	25		AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1	
Cat_A3_Prop	0.518	0.518	0	3	10	0	AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1	
Cat Carpark_Ex.	0.453	0.453	0	5	0	- 0	AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1	
CatC1_Prop	0.465	0.465	0	3	0		AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1.	
CatB3Ext_Prop	0.095	0	0.095	0	8		AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1	
								_
CatchCEx	8.352	5.267	3.086	25	30		AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1	_
Cat Carpark_Prop	0.453	0.453	0	- 5	0		AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1	
Cat1	0.288	0,151	0.137	5	12	- 0	AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1	
Cat2	0.932	0.58	0.352	7	15	0	AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1.	
Cat3	0.109	0.057	0.052	4	8		AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1	
Cat4	2.711	2.294	0.417		15			
	0.122	0.064			15		IABSR 102 year 6 hours storm, average 28 mm/h; 7 no. 1	
Cat5	0.1199	2.5	0,058	- 6			AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1	
Cat6	0.042		14.74		-		AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1	
CatA4_Prop	1.181	0.022	0.02	- 6	8		AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1	
		1 181	0	6	3	0	AR&R 102 year. 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 26 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1	
CatA5_Prop	1.334				3	0	AR&R 102 year, 6 hours storm, average 26 mm/h, Zorie 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1	
CatA5_Prop CatA6_Prop		1 181	0	6	3	0	AR&R 102 year. 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 26 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1	
CatA6_Prop	1.334	1 181	0	6	3	0 0	AR&R 102 year, 6 hours storm, average 26 mm/h, Zorie 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1	
	1.334 1.285	1 181 1 334 1 285	0	6	3 3 3	0 0	AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1	
CatA6_Prop	1.334 1.285	1 181 1 334 1 285	0	6	3 3 3	0 0	AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1	
CatA6_Prop CatB3_Prop	1.334 1.285 0.969	1 181 1 334 1 285 0 969	0 0 0	6 6 6	3 3 3 3	0 0	AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1	
CatA6_Prop CatB3_Prop Outflow Volumes for	1.334 1.285 0.969	1 181 1.334 1.285 0.969	0 0 0 0 0 rvious + 61.6 p	6 6 6 ervious = 218 to	3 3 3 3 3	0 0	AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1	
CatA6_Prop CatB3_Prop	1.334 1.285 0.969 Total Catchm	1 181 1 334 1 285 0 969 ent (156 impe	0 0 0 0 0 rvious + 61.6 p	6 6 6 6 ervious = 218 to Pervious Runo	3 3 3 3 3 x(a) ha)	0 0	AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1	
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CatA6_Prop CatB3_Prop CatB3_Prop Outflow Volumes for Storm AR&R 102 year, 6 h AR&R 102 year, 12 AR&R 102 year, 12 AR&R 102 year, 18 AR&R 102 year, 24 PIPE DETAILS Name Pipe13 P18 P20 P22 P24 P26 P10 CHANNEL DETAILS Name OVERFLOW ROUT	1.334 1.285 0.969 Total Catchm Total Rainfall cu.m 366348.84 427843.13 481487.06 569149.13 648960.81 Max Q (cu.m/s) 0.682 0.641 0.872 0.641 0.872 0.694 9.326 S	1 181 1 334 1 1285 0.969 lent (156 impe Total Runoff cu m (Runoff 331903 44 (9) 383158.98 (8) 429691 20 (8) 563771.91 (8) Max V (m/s) 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.7 0.6 0.6 0.6 0.6 0.6 0.7 0.6 0.7 0.7 0.7 0.7 0.7 0.8	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	ar, 6 hours sto ar, 6 hours sto	AR&R 102 year, 6 hours storm, average 26 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 xm, average 28 mm/h, Zone 1 xm, average 28 mm/h, Zone 1 xm, average 28 mm/h, Zone 1 xm, average 28 mm/h, Zone 1 xm, average 28 mm/h, Zone 1 xm, average 28 mm/h, Zone 1 xm, average 28 mm/h, Zone 1 xm, average 28 mm/h, Zone 1 xm, average 28 mm/h, Zone 1 xm, average 28 mm/h, Zone 1 xm, average 28 mm/h, Zone 1	
CatA6_Prop CatB3_Prop CatB3_Prop Outflow Volumes for Storm AR&R 102 year, 6 h AR&R 102 year, 12 AR&R 102 year, 14 AR&R 102 year, 14 PIPE DETAILS Name Pipe 13 P18 P20 P22 P24 P26 P10 CHANNEL DETAILS Name OVERFLOW ROUT	1.334 1.285 0.969 Total Catchm Total Rainfell cu.m 366348.84 427843.13 481487.06 569149.13 648960.81 0.642 0.641 0.672 0.611 0.694 9.326	1 181 1 334 1 285 0 969 ent (156 impe Total Runoff cu m (Runoff 331903 44 9 388158.96 (8) 429691 20 (8) 563771.91 (8) 0 6 0 6 0 6 0 6 0 6 0 6 0 7 0 8 0 8 0 9 0 9 0 9 0 9 0 9 0 9 0 9 0 9 0 9 0 9	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	ar, 6 hours sto ar, 6 hours sto	AR&R 102 year, 6 hours storm, average 26 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 26 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 26 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 26 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Z	
CatA6_Prop CatB3_Prop CatB3_Prop Outflow Volumes for Storm AR&R 102 year, 6 h AR&R 102 year, 12 AR&R 102 year, 12 AR&R 102 year, 18 AR&R 102 year, 24 PIPE DETAILS Name Pipe13 P18 P20 P22 P24 P26 P10 CHANNEL DETAILS Name OVERFLOW ROUT	1.334 1.285 0.969 Total Catchm Total Rainfall cu.m 366348.84 427843.13 481487.06 569149.13 648960.81 Max Q (cu.m/s) 0.682 0.641 0.872 0.641 0.872 0.694 9.326 S	1 181 1 334 1 1285 0.969 lent (156 impe Total Runoff cu m (Runoff 331903 44 (9) 383158.98 (8) 429691 20 (8) 563771.91 (8) Max V (m/s) 0.6 0.6 0.6 0.6 0.6 0.6 0.7 0.6 0.6 0.6 0.7 0.6 0.6 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.8	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	ar, 6 hours sto ar, 6 hours sto	AR&R 102 year, 6 hours storm, average 26 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1 AR&R 102 year, 6 hours storm, average 26 mm/h, Zone 1 xm, average 28 mm/h, Zone 1	

OF12 OF26								
	0.213	0.213	7.685	0.046	0.03	13.25	0.63	AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1
	0.52	0.52	7.665	0.067	0.05	17.38		AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1
OF1	3.886	3.886	7.665	0.152	.0.21	34.44		AR&R 102 year, 9 hours storm, average 21.8 mm/h, Zone 1
OF19	5.583	5.583	7.665	0.176	0.26	39.11	1.5	AR&R 102 year, 6 hours storm, average 28 mm/h; Zone 1
OF17	5.583	5.583	7.665	0.176	0.26	39.11	1.5	AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1
StageDischarge_B	2.1	2.1	7.665	0,118	0.14	27.62		AR&R 102 year, 9 hours storm, average 21.8 mm/h, Zone 1
OF43	2.812	2,812	7.665	0.133	0.17	30.67	1.25	AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1
OF44	0.665	0.665	7 665	0.074	0.06	18.82	0.85	AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1
OF46	0.213	0.213	7.665	0.046	0.03	13.25		AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1
OF47	0.109	0.109	7,665	0.036	0.02	11.27	0.5	AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1
OR51	2.292	2.292	7.665	0.123	0.15	28.52	1019	AR&R 102 year, 9 hours storm, average 21.8 mm/h, Zone 1
OF58	5.511	5.511	7.665	0.175	0.26	38.93		AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1
OF59	0.762	0.762	7.665	0.078	0.07	19.54		AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1
OF60	1.369	1.369	7.665	0.099	0,1	23.85	1.04	AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1
OF61	0.155	0.155	7,665	0.041	0.02	12.17		AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1
		3.487		0.145		33.01		
OF64	3.487		7.665		0.19	1222		AR&R 102 year, 9 hours storm, average 21.8 mm/h, Zone 1
StageDischarge_A	2.667	2,667	7,665	0.131	0.16	30.13	1.23	AR&R 102 year, 9 hours storm, average 21.8 mm/h, Zone 1
OF549	0	0	7.665	0	. 0	0	0	
StageDischarge_D	7.153	7.153	7.665	0.194	0.31	42.89	1.59	AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1
							-	Artor 102 year o flours storm, average 20 million, 2016 i
OF550	- 0	- 0	7.665	0	. 0	0	- 0	
OF551	0	0	7.665	0	0	0	0	
OF552	0	0	7,665	0	0	0	0	
	0					0		
OF553			7.665	0				
OF554	0	0	7.665	0	0	- 0	- 0	
OF102	8.069	8.069	7.665	0.204	0.33	44.86	1.64	AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1
OF101	2.806	2,806	7.665	0.133	0.17	30.67		
								AR&R 102 year. 6 hours storm, average 28 mm/h, Zone 1
OF131	0.52	0.52	7 665	0.067	0.05	17.38		AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1
OF104	0.481	0.481	7.665	0.064	0.05	16.84	0.79	AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1
OF205	0.518	0.518	7.665	0.066	0.05	17.2		AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1
7.7.7.					1000			
OF485	0.453	0.453	7.665	0.063	0.05	16.66		AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1
OF305	0.465	0.465	7.665	0.063	0.05	16.66	0.78	AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1
OF340	0.095	0.095	7.665	0.035	0.02	10.91		AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1
	2,000			4,000	0.02		0.40	The state of the s
OF28	- 0	. 0	7,665	- 0	.0	- 0	-0	
OF30	9.326	9.326	7.665	0.216	0.37	47.2	1.71	AR&R 102 year 6 hours storm, average 28 mm/h, Zone 1
OF487	0.453	0.453	7.665	0.063	0.05	16.66		AR&R 102 year 6 hours storm, average 28 mm/h, Zone 1
			7.665					
OF594	3.8	3.8		0.15	0.2	34.08		AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1
OF593	2 619	2,619	7.665	0.13	0.16	29,95	1.22	AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1
OF590	1.285	1.285	7.665	0.097	0:1	23.31	1.02	AR&R 102 year, 6 hours storm, average 28 mm/h, Zone 1
OF600	0.969	0.969	7.665	0.086	0.08	21.15	1,000	AR&R 102 year 6 hours storm, average 28 mm/h, Zone 1
OF600	0.303	0.505	7.000	0.000	0.00	21.13	0.55	Artor 102 year o nours storm, average 20 min/n, 20ne 1
		4						
				11				
DETENTION BASIN	DETAILS							
Name	Max WL	MaxVol	Max O	Max O	Max Q			
			Total	Low Level	High Level		- X	
DetBEx	14.8	15697.3	3,886	0	3.886		-	
				_				
DetAEx	14.13	3736.5	5.583	- 0				
DetB_Prop	16.02	18015.7	2.1	0	2.1			
DetA_Prop	16.07	32685.6	2.667	0	2.667			
DetC1	15.74	388.9	0.682	0.682				
					0			
DetD_Prop	15.65	8890.8	7 153		7.153			
DetC2	15.73	381.1	0.642	0.642	0			
DetC3	15.73	380.8	0.641	0.641	0			
					U			
DetC4	15.73							
		386.8	0.672	0.672	0			
DetC5	15.72	386.8	0.672	0.672	0			
		375.3	0.611	0.611	0			
DetC6	15.72 15.74	0.50.00						
DetC6	15.74	375.3 391.3	0.611 0.694	0.611 0.694	0			
	15.74	375.3 391.3	0.611 0.694	0.611 0.694	0			
DetC6 CONTINUITY CHEC	15.74	375.3 391.3	0.611 0.694 irs storm, avera	0.611 0.694 age 28 mm/h, Z	0			
DetC6 CONTINUITY CHEC Node	15.74 K for AR&R 1 Inflow	375.3 391.3 02 year, 6 hou Outflow	0.611 0.694 irs storm, avera Storage Chan	0.611 0.694 age 28 mm/h, Z	0			
DetC6 CONTINUITY CHEC Node	15.74 K for AR&R t Inflow (cu.m)	375.3 391.3 02 year, 6 hou Outflow (cu.m)	0.611 0.694 irs storm, avera Storage Chan (cu.m)	0.614 0.694 age 28 mm/h, Z Difference %	0 0 one 1			
DetC6 CONTINUITY CHEC Node	15.74 K for AR&R 1 Inflow (cu.m) 25661.3	375.3 391.3 02. year, 6 hou Outflow (cu.m) 25661.28	0.611 0.694 irs storm, avera Storage Chan (cu.in)	0.611 0.694 age 28 mm/h, Z	0 0 one 1			
DetC6 CONTINUITY CHEC Node	15.74 K for AR&R t Inflow (cu.m)	375.3 391.3 02. year, 6 hou Outflow (cu.m) 25661.28	0.611 0.694 irs storm, avera Storage Chan (cu.in)	0.614 0.694 age 28 mm/h, Z Difference %	0 0 one 1			
DetC6 CONTINUITY CHEC Node N4 N5	15.74 K for AR&R 1 Inflow (cu.m) 25661.3	375.3 391.3 02. year, 6 hou Outflow (cu.m) 25661.28	0.611 0.694 irs storm, avera Storage Chan (cu.in)	0.611 0.694 age 28 mm/h, Z Difference % 0	0 0 one 1			
DetC6 CONTINUITY CHEC Node N4 N5 N8	15.74 K for AR&R 1 Inflow (cu.m) 25661.3 1229.91 3828.05	375.3 391.3 02 year, 6 hou Outflow (cu.m) 25661.28 1229.91 3828.05	0.611 0.694 irs storm, avera Storage Chan (cu.in) 0 0	0.611 0.694 age 28 mm/h, Z Difference % 0 0	0 0			
DetC6 CONTINUITY CHEC Node IN4 N5 N8 DetBEx	15.74 K for AR&R 1 Inflow (cu.m) 25661.3 1229.91 3828.05 34410.8	375.3 391.3 02 year. 6 hox Outflow (cu.m) 25661.28 1229.91 3828.05 24437.07	0.611 0.694 irs storm, avera Storage Chan (cu m) 0 0 9976.26	0.611 0.694 age 28 mm/h, 2 Difference % 0 0	0 0 one 1			
DetC6 CONTINUITY CHEC Node IN4 N5 N8 DetBEx OutBEx	15.74 K for AR&R: 1 Inflow (cu.m) 25661.3 1229.91 3828.05 34410.8 25655.59	375.3 391.3 02 year, 6 hox Outflow (cu.m) 25661.28 1229.91 3828.05 24437.07 25655.59	0.611 0.694 irs storm, avera Storage Chan (cu.m) 0 0 9976:28	0.614 0.694 age 28 mm/h. Z Difference % 0 0 0	one 1			
DetC6 CONTINUITY CHEC Node IN4 N5 N8 DetBEx	15.74 K for AR&R 1 Inflow (cu.m) 25661.3 1229.91 3828.05 34410.8	375.3 391.3 02 year. 6 hox Outflow (cu.m) 25661.28 1229.91 3828.05 24437.07	0.611 0.694 irs storm, avera Storage Chan (cu m) 0 0 9976.26	0.611 0.694 age 28 mm/h, 2 Difference % 0 0	one 1			
DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBex OutBex DetAEx	15.74 K for AR&R 1 inflow (cu.m). 25661.3 1229.91 3828.05 34410.8 25655.59 38654.02	375.3 391.3 02 year, 6 hou Outflow (cu.m) 25661.28 1229.91 3828.05 24437.07 25655.59 38654.07	0.611 0.694 ars storm, avera Storage Chan (cu in) 0 0 9976.26 0	0.614 0.694 age 28 mm/tr, Z Difference % 0 0 0	0 0 one 1			
DetC6 CONTINUITY CHEC Node IN4 N5 N8 DetBEx OutBEx DetAEx N40	15.74 K for AR&R 1 inflow (cu.m). 25661.3 1229.91 3828.05 34410.8 25655.59 38654.02	375.3 391.3 02 year, 6 hou 0utflow (cu.m) 25661.28 1229.91 3828.05 24437.07 25655.59 38654.07 38654.07	0.611 0.694 irs storm, avera Storage Chan (cu m) 0 0 9976.26 0 0	0.614 0.694 age 28 mm/h, Z Difference % 0 0 0 0	0 0 one 1			
DetC6 CONTINUITY CHEC Node IN4 N5 N8 DetBEx OutBEx DetAEx N40 OutAEx	15.74 K for AR&R 1 Inflow (cu.m). 25661.3 1229.91 3828.05 34410.8 25655.59 38654.02 38654.07	375.3 391.3 02 year, 6 hot Outflow (cu.m) 25661.28 1229.91 3828.05 24437.07 25655.59 38654.07 38654.07	0.611 0.694 ars storm, avera Storage Chan (cu m) 0 0 9976-26 0 0	0.614 0.694 age 28 mm/h, Z Difference % 0 0 0 0 0	One 1			
DetC6 CONTINUITY CHEC Node IN4 N5 N8 DetBEx OutBEx DetAEx N40	15.74 K for AR&R : Inflow (cu.m). 25661.3 1229.91 3828.05 34410.8 25655.59 38654.02 38654.07 65719.52	375.3 391.3 02 year, 6 hou 0utflow (cu.m) 25661.28 1229.91 3828.05 24437.07 25655.59 38654.07 38654.07	0.611 0.694 irs storm, avera Storage Chan (cu m) 0 0 9976.26 0 0	0.614 0.694 age 28 mm/h, Z Difference % 0 0 0 0	One 1			
DetC6 CONTINUITY CHEC Node IN4 N5 N8 DetBEx OutBEx DetAEx N40 OutAEx	15.74 K for AR&R 1 Inflow (cu.m). 25661.3 1229.91 3828.05 34410.8 25655.59 38654.02 38654.07	375.3 391.3 02 year, 6 hot Outflow (cu.m) 25661.28 1229.91 3828.05 24437.07 25655.59 38654.07 38654.07	0.611 0.694 ars storm, avera Storage Chan (cu m) 0 0 9976-26 0 0	0.614 0.694 age 28 mm/h, Z Difference % 0 0 0 0 0	0 0 one 1			
DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBex OutBex OutBex OutAex OutAex OutCex DetB_Prop	15.74 K for AR&R : Inflow (cu.m). 25661.3 1229.91 3828.05 34410.8 25655.59 38654.02 38654.07 65719.52 27249.21	375.3 391.3 02 year, 6 ho. Outflow (cu.m) 25661.28 1229.91 3828.05 24437.07 25655.59 38654.07 38654.07 38654.07 38654.07	0.611 0.694 is storm, avera Storage Chan (cu in) 0 9976.26 0 0 0 15679.38	0.614 0.694 age 28 mm/n, Z Difference % 0 0 0 0 0 0 0 0 0	0 0 0 one 1			
DetC6 CONTINUITY CHEC Node IN4 N5 N8 DetBEx OutBEx DetAEx N40 OutAEx OutCEx DetB, Prop N62	15.74 K for AR&R 1 inflow (cu.m) 25661.3 1229.91 3928.05 34410.8 25655.59 38654.07 38654.07 65719.52 277249.52	375.3 391.3 02 year, 6 hou Outflow (cu.m) 25661.28 1229.91 3828.05 24437.07 25655.59 38654.07 68719.52 11570.66 21591.46	0.611 0.694 rs storm, avera Storage Chan (cu.m) 0 9976.26 0 0 0 15679.38	0.614 0.694 age 28 mm/h, Z Difference % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 one 1			
DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx DetAEx N4 OutBEx	15.74 K for AR&R 1 Inflow (cu.m). 3229.91 3828.05 34410.8 25655.59 38654.02 38654.07 65719.52 27249.21 21591.53 5108.56	375.3 391.3 02 year, 6 hot. Outflow (cu.m) 25661.28 1229.91 3828.05 24437.07 25655.59 38654.07 38654.07 38654.07 65719.52 11570.66 5108.58	0.611 0.694 its storm, avera Storage Chan (cu.m) 0 9976:26 0 0 15679.38	0.614 0.694 age 28 mm/h, Z Difference % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 one 1			
DetC6 CONTINUITY CHEC Node IN4 N5 N8 DetBEx OutBEx DetAEx N40 OutAEx OutCEx DetB, Prop N62	15.74 K for AR&R 1 inflow (cu.m) 25661.3 1229.91 3928.05 34410.8 25655.59 38654.07 38654.07 65719.52 277249.52	375.3 391.3 02 year, 6 hou Outflow (cu.m) 25661.28 1229.91 3828.05 24437.07 25655.59 38654.07 68719.52 11570.66 21591.46	0.611 0.694 rs storm, avera Storage Chan (cu.m) 0 9976.26 0 0 0 15679.38	0.614 0.694 age 28 mm/h, Z Difference % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 one 1			
DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBex OutBex OutAEx N40 OutCex DetB_Prop N62 N63 N64	15.74 K for AR&R 1 inflow (cu.m). 25661.3 122991 3828.05 34410.8 25855.59 38654.02 38654.07 38654.07 38729.21 21591.53	375.3 391.3 02 year, 6 hot. Outflow (cu.m) 25661.28 1229.91 3828.05 24437.07 25865.59 38654.07 38654.07 38654.07 1570.66 21591.46 5108.56	0.611 0.694 irs storm, avera Storage Chan (cu m) 0 9976:26 0 0 0 15679:38 0 0	0.614 0.694 age 28 mm/n, z Difference % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 one 1			
DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBex OutBex OutBex OutCex DetB, Prop N62 N83 N84 N85 N84 N85	15.74 K for AR&R 1 inflow (cu.m). 25661.3 3628.05 34410.8 25655.59 38654.07 38654.07 38654.07 25955.59 27249.21 21591.53 5108.66	375.3 391.3 02 year, 6 ho. Outflow (cu.m) 25661.28 1229.91 3828.05 24437.07 25655.59 38654.07 38654.07 38654.07 38654.07 11570.66 2159146 5108.56 1229.91 630.3	0.611 0.694 rs storm, avera Storage Chan (cu m) 0 9976.26 0 0 0 15679.38 0 0 0	0.614 0.694 age 28 mm/h, Z Difference % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 one 1			
DetC6 CONTINUITY CHEC Node IN4 N5 N8 DetBEx OutBEx OutBEx OutCEx UnicEx DetBEx OutCEx N40 OutCEx DetBE N62 N63 N64 N65 N69	15.74 K for AR&R 1 inflow (cu.m) 25661.3 1229.91 3828.05 34410.8 25655.99 38654.07 38654.07 38654.07 27249.21 21591.53 5108.66 1229.91 630.3 13427.41	375.3 391.3 392.4 A foot Outflow (cu.m) 25661.28 1229.91 3828.05 24437.07 25655.59 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 386	0.611 0.694 is storm, avera Storage Chan (cu.in) 0 0 9976:26 0 0 0 15679:38 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.614 0.694 age 28 mm/h, Z Difference % 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 one 1			
DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBex OutBex OutBex OutCex DetB, Prop N62 N83 N84 N85 N84 N85	15.74 K for AR&R 1 inflow (cu.m). 25661.3 3628.05 34410.8 25655.59 38654.07 38654.07 38654.07 25955.59 27249.21 21591.53 5108.66	375.3 391.3 02 year, 6 ho. Outflow (cu.m) 25661.28 1229.91 3828.05 24437.07 25655.59 38654.07 38654.07 38654.07 38654.07 11570.66 2159146 5108.56 1229.91 630.3	0.611 0.694 rs storm, avera Storage Chan (cu m) 0 9976.26 0 0 0 15679.38 0 0 0	0.614 0.694 age 28 mm/h, Z Difference % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 one 1			
DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx DetAEx OutAEx OutCEx DetB_Prop N82 N83 N64 N85 N83 N64 N85 N89 OutB_Prop OutB_Prop OutB_Prop OutB_Prop OutB_Prop OutB_Prop OutB_Prop OutB_Prop	15.74 K for AR&R 1 inflow (cu.m). 25661.3 12291 3828.05 34410.8 25855.59 38654.02 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07	375.3 391.3 391.3 391.3 391.3 391.3 392.6 02 year, 6 hot. Outflow (cu.m) 25661.28 1229.91 3828.05 24437.07 25855.59 38654.07 38654.07 38654.07 65719.52 11570.66 21591.46 5108.56 1229.91 630.3 13427.38	0.611 0.694 its storm, avera Storage Chan (cu m) 0 9976:26 0 0 0 15679.38 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.614 0.694 age 28 mm/h, Z Difference % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 one 1			
DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBex OutBex OutBex OutAex OutAex OutAex OutAex OutCex DetB_Prop N62 N63 N64 N65 N69 OutBey N69 OutBey OutBey OutBey OutCex OutBey OutCex OutBey OutCex	15.74 K for AR&R 1 inflow (cu.m). 25661.3 422991 3828.05 34410.8 25655.59 38654.07 38654.07 38654.07 25991 25991 25991 3630.3 13427.41	375.3 391.3 02 year, 6 hou Outflow (ou,m) 25661.28 1229.91 3828.05 24437.07 25655.59 38654.07 38654.07 38654.07 38654.07 1570.66 21591.46 5108.56 1229.91 630.3 13427.38 13427.38	0.611 0.694 irs storm, avera Storage Chan (cu m) 0 9976:26 0 0 15679:38 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.614 0.694 age 28 mm/n, Z Difference % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 one 1			
DetC6 CONTINUITY CHEC Node IN4 N5 N8 DetBEx OutBEx OutBEx OutCEx DetB_Prop N62 N63 N64 N65 N69 OutBE N64 N75 N65 N65 N69 OutBE N67 N65 N69 OutBE N67 N65 N69 N65 N69	15.74 K for AR&R 1 inflow (cu.m). 25661.3 3628.05 34410.8 25655.59 38654.07 38654.07 38654.07 237249.21 21591.53 5108.66 1229.91 630.3 13427.41 13423.93 42322.76 5855.05	375.3 391.3 391.3 02 year, 6 hou Outflow (cu.m) 25661.28 1229.91 3828.05 24437.07 25655.59 38654.07 38654.07 38654.07 65719.52 11570.66 21591.46 5108.56 1229.91 630.3 13427.38 13427.38 13422.93 42322.71 5865.05	0.611 0.694 is storm, avera Storage Chan (cu.in) 0 0 9976.26 0 0 0 15679.38 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.614 0.694 age 28 mm/h, Z Difference % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 1			
DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBex OutBex OutBex OutAex OutAex OutAex OutAex OutCex DetB_Prop N62 N63 N64 N65 N69 OutBey N69 OutBey OutBey OutBey OutCex OutBey OutCex OutBey OutCex	15.74 K for AR&R 1 inflow (cu.m). 25661.3 422991 3828.05 34410.8 25655.59 38654.07 38654.07 38654.07 25991 25991 25991 3630.3 13427.41	375.3 391.3 02 year, 6 hou Outflow (ou,m) 25661.28 1229.91 3828.05 24437.07 25655.59 38654.07 38654.07 38654.07 38654.07 1570.66 21591.46 5108.56 1229.91 630.3 13427.38 13427.38	0.611 0.694 irs storm, avera Storage Chan (cu m) 0 9976:26 0 0 15679:38 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.614 0.694 age 28 mm/n, Z Difference % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 1			
DetC6 CONTINUITY CHEC Node IN4 N5 N8 DetBEx OutBEx OutBEx OutCEx DetB_Prop N62 N63 N64 N65 N69 OutBE N64 N75 N65 N65 N69 OutBE N67 N65 N69 OutBE N67 N65 N69 N65 N69	15.74 K for AR&R 1 inflow (cu.m). 25661.3 1229 91 3828 05 34410.8 25655.99 38654.02 38654.07 65719.52 27249.21 21591.53 5108.66 1229.91 13427.41 13423.93 4232.76 5555.05 9170.48	375.3 391.3 391.3 02 year, 6 hou Outflow (cu.m) 25661.28 1229.91 3828.05 24437.07 25655.59 38654.07 38654.07 38654.07 65719.52 11570.66 21591.46 5108.56 1229.91 630.3 13427.38 13427.38 13423.93 42322.71 5865.05	0.611 0.694 is storm, avera Storage Chan (cu.in) 0 0 9976.26 0 0 0 15679.38 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.614 0.694 age 28 mm/h, Z Difference % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 one 1			
DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBex OutBex OutAEx N40 OutCex DetB_Prop N62 N63 N64 N85 N89 OutB Prop N77 N77 N778	15.74 K for AR&R 1 inflow (cu m). 25661.3 122991 3828.05 34410.8 25655.59 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38655.05 27249.21 21591.53 31427.41 13423.33 42322.76 5855.05	375.3 391.3 391.3 391.3 391.3 391.3 392.4 32.6 32.6 32.6 32.9 38.6 38.6 38.6 38.6 38.6 38.6 38.6 38.6	0.611 0.694 its storm, avera Storage Chan (cu m) 0 9976:26 0 0 15679.38 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.614 0.694 age 28 mm/n, 2 Difference % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 1			
DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBex OutBex OutBex OutCex DetB_Prop N62 N63 N64 N65 N69 OutAE, N69 N75 N76 N77 N78 N79	15.74 K for AR&R 1 inflow (cu.m). 25661.3 3628.05 34410.8 25655.59 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38655.05 5108.56 1229.91 630.3 13427.41 13423.93 4232.76 5855.05 9170.48	375.3 391.3 391.3 391.3 391.3 392.484.6400 0utflow (cu.m) 25661.28 1229.91 3828.05 24437.07 25655.59 38654.07 38654.07 38654.07 38654.07 65719.52 11570.66 21591.46 5108.56 12591.91 630.3 13427.38 13423.93 14323.93 14323.93 14323.93 15865.05 9170.48 899.55 39825.25	0.611 0.694 rs storm, avera Storage Chan (cu.m) 0 9976.26 0 0 0 15679.38 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.614 0.694 age 28 mm/h, Z Difference % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 1			
DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBex OutBex OutAEx N40 OutCex DetB_Prop N62 N63 N64 N85 N89 OutB Prop N77 N77 N778	15.74 K for AR&R 1 inflow (cu m). 25661.3 122991 3828.05 34410.8 25655.59 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38655.05 27249.21 21591.53 31427.41 13423.33 42322.76 5855.05	375.3 391.3 391.3 391.3 391.3 391.3 392.4 32.6 32.6 32.6 32.9 38.6 38.6 38.6 38.6 38.6 38.6 38.6 38.6	0.611 0.694 its storm, avera Storage Chan (cu m) 0 9976:26 0 0 15679.38 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.614 0.694 age 28 mm/n, 2 Difference % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 1			
DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx DetAEx OutSEx OutCEx DetB_Prop N62 N63 N64 N65 N69 OutB_Prop N75 N76 N77 N78 N79 OutA_Prop OutA_Prop	15.74 K for AR&R 1 inflow (cu m) 25661.3 1229 91 3828 05 34410.8 25655.59 38654.02 38654.07 65719.52 27249.21 21591.53 5109.56 1229.91 13427.41 13423.93 4232.76 5955.59 9170.48 899.55 39825.34 39831.16	375.3 391.3 391.3 391.3 391.3 392.9ear. 6 hou Outflow (cu.m) 25661.28 1229.91 3828.05 24437.07 25655.59 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38655.05 9170.48 899.55 39825.55 39825.55	0.611 0.694 its storm, avera Storage Chan (cu.m) 0 0 9976:26 0 0 15679:38 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.614 0.694 age 28 mm/h, Z Difference % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 1			
DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx DetAEx N40 CutAEx OutCEx DetB_Prop N62 N83 N64 N85 N89 OutB_Prop N75 N77 N78 N77 N78 N79 OutA_Prop DetA_Prop DetA_Prop	15.74 K for AR&R 1 inflow (cu.m). 25661.3 1229.9 13828.05 34410.8 25855.59 38654.02 38654.02 38654.07 38654.07 38654.07 38654.07 38654.07 38655.05 1229.91 630.3 1427.41 13423.93 42322.76 5855.05 99625.34 39811.16 52152.43	375.3 391.3 391.3 391.3 391.3 392.4 392.4 3828.05 225651.28 1229.91 3828.05 24437.07 25655.59 38654.07 38654.07 38654.07 65719.52 11570.66 1229.91 630.3 13427.38 13423.93 423.22.71 855.05 9170.48 899.55 39811.6 29769.29	0.611 0.694 its storm, avera Storage Chan (cu in) 0 9976:26 0 0 0 15679.38 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.614 0.694 age 28 mm/h, 2 Difference % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 1			
DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBex OutBex OutBex OutAex OutAex OutAex OutAex OutAex OutAex OutAex DetB_Prop N62 N63 N64 N65 N69 N64 N75 N76 N77 N78 N78 N79 OutA_Prop OutA_Prop DetA_Prop DetA_Prop	15.74 K for AR&R 1 inflow (cu m). 25661.3 3628.05 34410.8 25665.59 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38655.05 37249.21 21591.53 5108.56 1229.91 630.3 13427.41 13423.93 4232.76 5855.05 9170.48 899.55 39825.34 39811.16 52152.34 5948.57	375.3 391.3 391.3 391.3 391.3 391.3 392.9ear, 6 hou Outflow (cu.m) 25661.28 1229.91 38654.07 25655.59 38654.07 38654.07 38654.07 38654.07 65719.52 11570.66 21591.46 5108.56 12591.41 530.3 13427.38 13427.38 13427.38 13427.38 13427.38 13427.38 13427.38 13427.38 13427.38 13427.38	0.611 0.694 rs storm, avera Storage Chan (cu.m) 0 9976.28 0 0 0 15679.38 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.614 0.694 age 28 mm/h, Z Difference % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 1			
DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx DetAEx N4 OutSEx DetAEx OutCEx DetB, Prop N62 N83 N64 N85 N89 OutB, Prop N75 N76 N77 N77 N77 N77 N77 N77	15.74 K for AR&R 1 inflow (cu m) 25661.3 1229 91 3828 05 38410.8 25655.59 38654.02 38654.07 65719.52 27249.21 21591.53 5108.56 1229.91 430.3 13427.41 13423.93 4232.76 5855.05 9170.48 899.55 39825.34 39811.16 52152.43	375.3 391.3 391.3 391.3 391.3 391.3 392.9ar. 6 hot. Outflow (cu.m) 25661.28 1229.91 3822.05 24437.07 25655.59 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38655.05 12591.46 5108.56 1229.91 5803.3 13427.38 13423.93 42322.71 5855.05 9170.48 899.55 39825.25 39811.16 29769.29 5947.83 62510.88	0.611 0.694 is storm, avera Storage Chan (cu.in) 0 0 9976.26 0 0 0 15679.38 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.614 0.694 age 28 mm/h, Z Difference % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 1			
DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx DetAEx N4 OutSEx DetAEx OutCEx DetB, Prop N62 N83 N64 N85 N89 OutB, Prop N75 N76 N77 N77 N77 N77 N77 N77	15.74 K for AR&R 1 inflow (cu m) 25661.3 1229 91 3828 05 38410.8 25655.59 38654.02 38654.07 65719.52 27249.21 21591.53 5108.56 1229.91 430.3 13427.41 13423.93 4232.76 5855.05 9170.48 899.55 39825.34 39811.16 52152.43	375.3 391.3 391.3 391.3 391.3 391.3 392.9ar. 6 hot. Outflow (cu.m) 25661.28 1229.91 3822.05 24437.07 25655.59 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38655.05 12591.46 5108.56 1229.91 5803.3 13427.38 13423.93 42322.71 5855.05 9170.48 899.55 39825.25 39811.16 29769.29 5947.83 62510.88	0.611 0.694 is storm, avera Storage Chan (cu.in) 0 0 9976.26 0 0 0 15679.38 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.614 0.694 age 28 mm/h, Z Difference % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 1			
DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx DetBEx OutAEx OutCEx DetB_Prop N62 N83 N64 N85 N89 OutB_Prop N75 N77 N78 N79 OutA_Prop DetC1 DetC1 DetC2 DetC2 DetC2 DetC1 DetC2	15.74 K for AR&R 1 inflow (cu.m). 25661.3 1229 91 3228.05 34410.8 25655.99 38654.02 38654.07 38654.07 38654.07 65719.52 27249.21 21591.53 5708.66 1229.91 630.3 13427.41 13423.93 42322.76 5955.05 9955.05 9955.05 9955.34 899.55 39621.34 5948.57 63465.98 5963.961	375.3 391.3 391.3 391.3 391.3 391.3 392.4 391.3 392.6 1229.91 3828.05 24437.07 25655.59 38654.07 38654.07 38654.07 38654.07 65719.52 11570.66 1229.91 530.3 13427.38 13423.93 42322.71 5855.05 9170.48 839.55 39825.25 39811.16 29769.29 5947.83 62510.88 62510.88	0.611 0.694 rs storm, avera Storage Chan (cu m) 0 9976:26 0 0 15679:38 0 0 0 0 0 0 22390.07 0,71 955.46 0,7	0.614 0.694 age 28 mm/h, 2 Difference % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 1			
DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBek OutBek OutAEx N40 OutCek DetB_Prop N62 N63 N64 N85 N89 OutB Prop N77 N78 N79 N79 OutA_Prop DetC1 DetC2 DetC2 DetC2 DetC3 DetC4 DetC4 DetC4 DetC4 DetC4 DetC4 DetC4 DetC4 DetC4 De	15.74 K for AR&R 1 inflow (cu.m). 25661.3 122991 3828.05 384410.8 25685.90 38654.07 38654.07 38654.07 38654.07 38654.07 38655.05 27249.21 21591.53 5108.66 1229.91 630.3 13427.41 13423.33 42322.76 5355.05 39825.34 39811.16 5948.57 63465.98	375.3 391.3 391.3 391.3 391.3 391.3 391.3 391.3 391.3 391.3 391.3 322.95 325.651.28 1229.91 3828.05 24437.07 25855.59 38654.07 38654.07 38654.07 65719.52 11570.66 21591.46 5108.56 1229.91 630.3 13427.38 13427.38 13423.93 42322.71 5855.05 39825.25 39825.25 39825.25 39825.25 39811.16 29769.29 5947.83 62510.88 5638.89 5628.87	0.611 0.694 its storm, avers Storage Chan (cu in) 0 0 9976:26 0 0 15679.38 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.614 0.694 age 28 mm/n, z Difference % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			
DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx DetBEx OutBEx OutAEx OutAEx OutAEx OutAEx OutAEx OutAEx OutAEx OutAEx DetB_Prop N62 N63 N64 N65 N69 N77 N78 N78 N79 OutA_Prop DetA_Prop DetC1 DetC2 DetC2 DetC2 DetC2 DetC3 DetC4	15.74 K for AR&R 1 Inflow (cu m) 25661.3 1229 91 3828 05 34410.8 25655.9 38654.07 365749.52 27249.21 21591.53 5108.56 1229.91 43427.41 13423.93 4232.76 5355.05 9170.48 899.55 39825.44 39811.15 52152.43 5948.57 63465.98	375.3 391.3 391.3 391.3 391.3 391.3 392.9 392.9 393.3 392.0 393.3 392.0 393.3 392.0 393.3 392.0 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3	0.611 0.694 rs storm, avera Storage Chan (cu.m) 0 0 9976.28 0 0 0 15679.38 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.614 0.694 age 28 mm/h, 2 Difference % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			
DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx DetBEx OutBEx OutAEx OutAEx OutAEx OutAEx OutAEx OutAEx OutAEx OutAEx DetB_Prop N62 N63 N64 N65 N69 N77 N78 N78 N79 OutA_Prop DetA_Prop DetC1 DetC2 DetC2 DetC2 DetC2 DetC3 DetC4	15.74 K for AR&R 1 Inflow (cu m) 25661.3 1229 91 3828 05 34410.8 25655.9 38654.07 365749.52 27249.21 21591.53 5108.56 1229.91 43427.41 13423.93 4232.76 5355.05 9170.48 899.55 39825.44 39811.15 52152.43 5948.57 63465.98	375.3 391.3 391.3 391.3 391.3 391.3 392.9 392.9 393.3 392.0 393.3 392.0 393.3 392.0 393.3 392.0 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3 393.3	0.611 0.694 rs storm, avera Storage Chan (cu.m) 0 0 9976.28 0 0 0 15679.38 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.614 0.694 age 28 mm/h, Z Difference % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 1			
DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx DetBEx OutAEx OutCEx DetB_Prop N62 N83 N84 N85 N83 N84 N85 N89 OutB_Prop N75 N77 N78 N77 N78 DetC2 DetC4 DetC2 DetC2 DetC2 DetC3 DetC4 DetC5	15.74 K for AR&R 1 inflow (cu.m). 25661.3 1229 91 3828.05 34410.8 25655.99 38654.02 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 386555.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.07 38655.0	375.3 391.3 391.3 391.3 391.3 391.3 391.3 391.3 392.4 302.4 302.5 3828.0 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 58719.52 11570.66 1229.91 530.3 13427.38 13423.93 42322.71 58655.05 9170.48 899.55 39811.16 29769.29 5947.83 5628.87 5868.87 5868.87	0.611 0.694 rs storm, avera Storage Chan (cu m) 0 0 9976:26 0 0 15679:38 0 0 0 0 0 0 0 22390.07 0,71 953.46 0,7	0.614 0.694 age 28 mm/h, Z Difference % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 1			
DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx DetBEx OutAEx N40 OutCEx DetB_Prop N62 N83 N64 N85 N89 OutB_Prop N75 N77 N78 N79 OutA_Prop DetC1 DetD_Prop DetC2 DetC3 DetC3 DetC4 DetC5 DetC5 DetC5 DetC6 DetC	15.74 K for AR&R 1 inflow (cu.m). 25661.3 122991 3828.05 384410.8 25855.59 38654.02 38654.07 38654.07 38654.07 6379.52 27249.21 21591.53 5708.66 1229.91 630.3 13427.41 13423.33 42322.76 5355.05 39625.34 39811.66 55629.62 5666.74 5630.34 5640.76 5650.96 5666.74 5630.34 5640.76 5650.96	375.3 391.3 391.3 391.3 391.3 391.3 391.3 391.3 391.3 391.3 391.3 391.3 3828.05 225651.28 1229.91 38654.07 38654.07 38654.07 38654.07 65719.52 11570.66 21591.46 5108.56 1229.91 530.3 13427.38 13423.93 42322.71 5855.05 39825.25 39825.25 39825.25 39825.25 39825.25 39825.25 39825.25 39825.25 39825.25 39825.25 39825.25 39825.25 39825.25 39825.25 39825.25 39825.25 39825.25 39825.25 39825.25 39825.25 39825.25 39825.25 39825.25 39825.25	0.611 0.694 rs storm, avert Storage Chan (cu m) 0 9976:26 0 0 9976:26 0 0 15679:38 0 0 0 0 0 0 22390.07 0,71 953.46 0,77 0,71	0.614 0.694 age 28 mm/h, 2 Difference % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			
DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx DetBEx OutAEx OutCEx DetB_Prop N62 N83 N84 N85 N83 N84 N85 N89 OutB_Prop N75 N77 N78 N77 N78 DetC2 DetC4 DetC2 DetC2 DetC2 DetC3 DetC4 DetC5	15.74 K for AR&R 1 inflow (cu m). 25661.3 3628.05 34410.8 25665.59 38654.07 38654.07 38654.07 65719.52 27249.21 21591.63 630.3 13427.41 13423.393 4232.76 5355.05 9170.48 899.55 39825.34 39811.16 55415.23 5948.57 63465.88 5639.61 5629.92 56866.74 5597.42	375.3 391.3 391.3 391.3 391.3 391.3 391.3 392.4 392.4 3828.05 24437.07 25655.59 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38655.05 3825.25 39811.16 29769.29 5947.83 62510.88 5628.87 5866.01 5396.74 6038.01 69252.52	0.611 0.694 rs storm, avert Storage Chan (cu.m) 0 0 0 9976.26 0 0 0 15679.38 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.614 0.694 age 28 mm/h, Z Difference % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			
DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx DetBEx OutAEx N40 OutCEx DetB_Prop N62 N83 N64 N85 N89 OutB_Prop N75 N77 N78 N79 OutA_Prop DetC1 DetD_Prop DetC2 DetC3 DetC3 DetC4 DetC5 DetC5 DetC5 DetC6 DetC	15.74 K for AR&R 1 inflow (cu.m). 25661.3 122991 3828.05 384410.8 25855.59 38654.02 38654.07 38654.07 38654.07 6379.52 27249.21 21591.53 5708.66 1229.91 630.3 13427.41 13423.33 42322.76 5355.05 39625.34 39811.66 55629.62 5666.74 5630.34 5640.76 5650.96 5666.74 5630.34 5640.76 5650.96	375.3 391.3 391.3 391.3 391.3 391.3 391.3 391.3 391.3 391.3 391.3 391.3 3828.05 225651.28 1229.91 38654.07 38654.07 38654.07 38654.07 65719.52 11570.66 21591.46 5108.56 1229.91 530.3 13427.38 13423.93 42322.71 5855.05 39825.25 39825.25 39825.25 39825.25 39825.25 39825.25 39825.25 39825.25 39825.25 39825.25 39825.25 39825.25 39825.25 39825.25 39825.25 39825.25 39825.25 39825.25 39825.25 39825.25 39825.25 39825.25 39825.25 39825.25	0.611 0.694 rs storm, avert Storage Chan (cu m) 0 9976:26 0 0 9976:26 0 0 15679:38 0 0 0 0 0 0 22390.07 0,71 953.46 0,77 0,71	0.614 0.694 age 28 mm/h, 2 Difference % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			
DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBex OutBex OutBex OutCex DetAEx N4 OutCex OutCex DetB_Prop N62 N63 N64 N65 N69 OutB_Prop N75 N7B N76 N77 N7B N79 OutA_Prop DetC1 DetC2 DetC2 DetC3 DetC4 DetC5 DetC5 DetC6 DetC5 DetC6 DetC6 DetC5 DetC6 DetC5 DetC6 DetC6 DetC6 DetC7 DetC4 DetC5 DetC6 DetC5 DetC6 DetC6 DetC6 DetC6 N92 OutG_Prop	15.74 K for AR&R 1 inflow (cu m) 25661.3 1229 91 3828 05 34410.8 25655.59 38654.02 38654.07 65719.52 27249.21 21591.53 5108.56 1229.91 13427.41 13423.93 4232.76 5855.05 9170.48 899.55 38654.07 5855.05 9170.48 599.55 5365.61 529.91 5666.74 5365.85 5636.81 5646.59 5666.74 5367.42 638.67	375.3 391.3 391.3 391.3 391.3 391.3 391.3 392.4 391.3 392.4 3828.05 24437.07 25655.59 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38655.05 1229.91 530.3 13427.38 13423.93 43423.93 43423.93 43423.93 43423.93 43423.93 43423.93 456.05 9170.48 899.55 39811.16 29769.29 5947.83 62510.88 5638.89 5628.87 5866.01 5398.74 6038.01	0.611 0.694 rs storm, avera Storage Chan (cu.m) 0 0 0 9976:26 0 0 0 15679:38 0 0 0 0 0 0 22390.07 0.71 953.46 0.7 0.71 0.71	0.614 0.694 age 28 mm/h, Z Difference % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			
DetC6 CONTINUITY CHEC Node N4 N5 N8 DetBEx DetBEx OutBEx DetAEx N40 OutCEx DetB_Prop N62 N83 N64 N85 N89 OutB_Prop N75 N77 N78 N79 OutB_Prop DetC1 DetD_Prop DetC2 DetC3 DetC4 DetC6 N92 OutC5 DetC6 N92 OutC7 DetC6 DetC6 N92 OutC_Prop N95	15.74 K for AR&R 1 inflow (cu.m). 25661.3 122913 3628.05 34410.8 25855.95 38654.02 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 38654.07 630.3 1229.91 630.3 1229.91 630.3 1229.91 630.3 13427.41 13423.93 42322.76 5855.05 99625.34 39811.16 52152.43 5948.67 63465.98 6569.96 6566.74 5597.62 6038.67 69252.44 6038.67	375.3 391.3 391.3 391.3 391.3 391.3 391.3 391.3 391.3 391.3 391.3 302 year, 6 hou Outflow (cu,m) 25661.28 1229.91 3828.05 24437.07 25655.59 38654.07 38654.07 38654.07 65719.52 11570.66 21591.66 5108.56 1229.91 530.3 13427.38 13423.93 42322.71 5855.05 91770.48 839.55 39825.25 39811.16 29769.29 5947.83 62510.88 5628.87 5866.01 5396.74 6038.01 68262.87 5866.01 5396.74 6038.01	0.611 0.694 rs storm, avera Storage Chan (cu m) 0 9976:26 0 0 15679:38 0 0 0 0 0 22390.07 0,71 9553.46 0,77 0,71 0,71 0,71 0,71	0.614 0.694 age 28 mm/h, 2 Difference % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			
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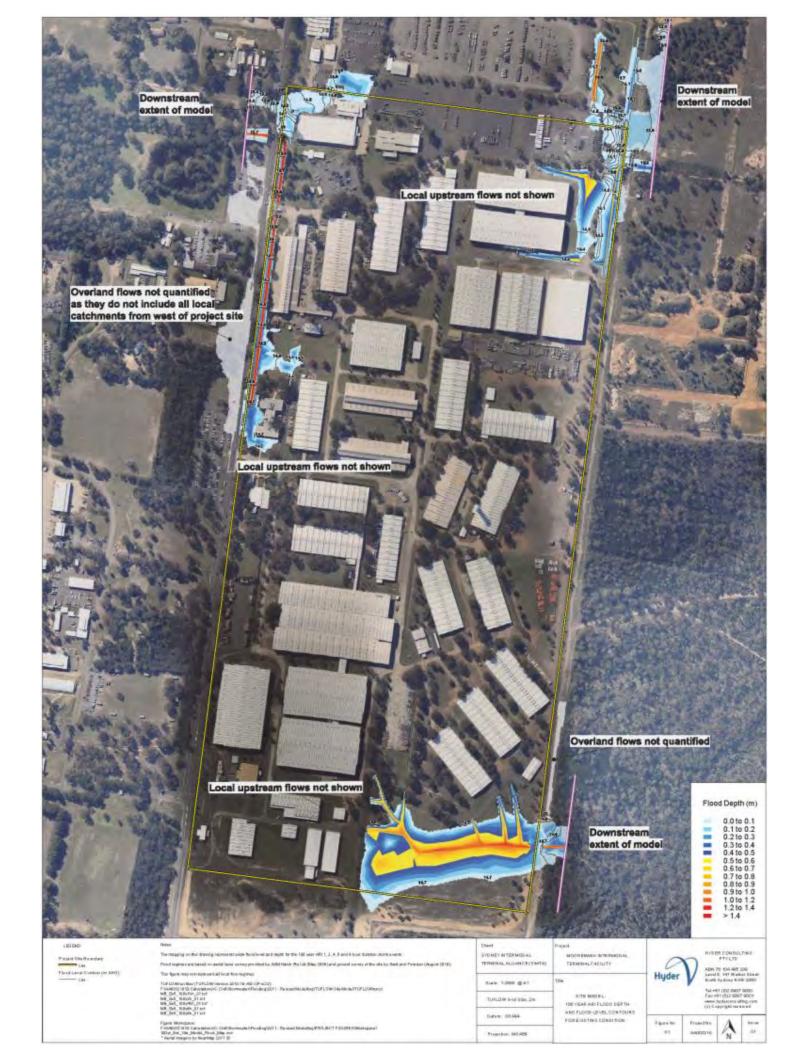
100 Year ARI (Climate Change)

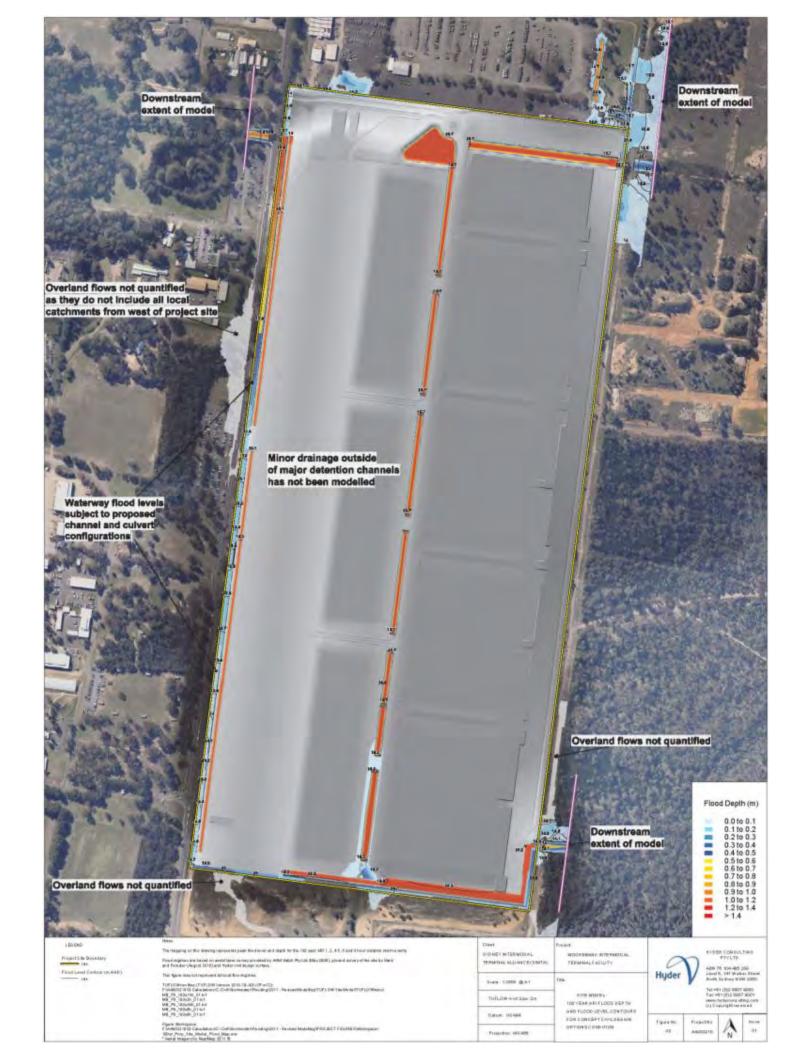
N177	3481,95	3481.95	-0	0	1			1	
N224	3572.18	3572.18	0	0					
N232	549.05	549.05	0	0	40				
HW2	65719,56	65719.52	-0	0	1 1				
N50	65719.52	65719.52	0	0					
N294	3481.95	3481.95	0	0					
N320	1954.38	1954.38	0	0	11	-			
N321	6495.9	6495.9	-0	0					
N322	736.45	736.45	0	0		- 46			
N323	20034.76	20034.76	0	0			>====		
N324	825.15	825.15	0	0					
N325	287.25	287,25	0	0	- 1				
N326	29178	29178.14	0	0					
N327	20110.33	20110.08	0	0		-	-	ii .	-
N328	9866.47	9866.47	- 0	0					
N329	7443.27	7443.27	0	0				ji	
Run Log for Mod	rebank_REV02 run	at 14:09:08 on 9/8	/2011						
				routes; OF102, OF30		- 1 2 2			

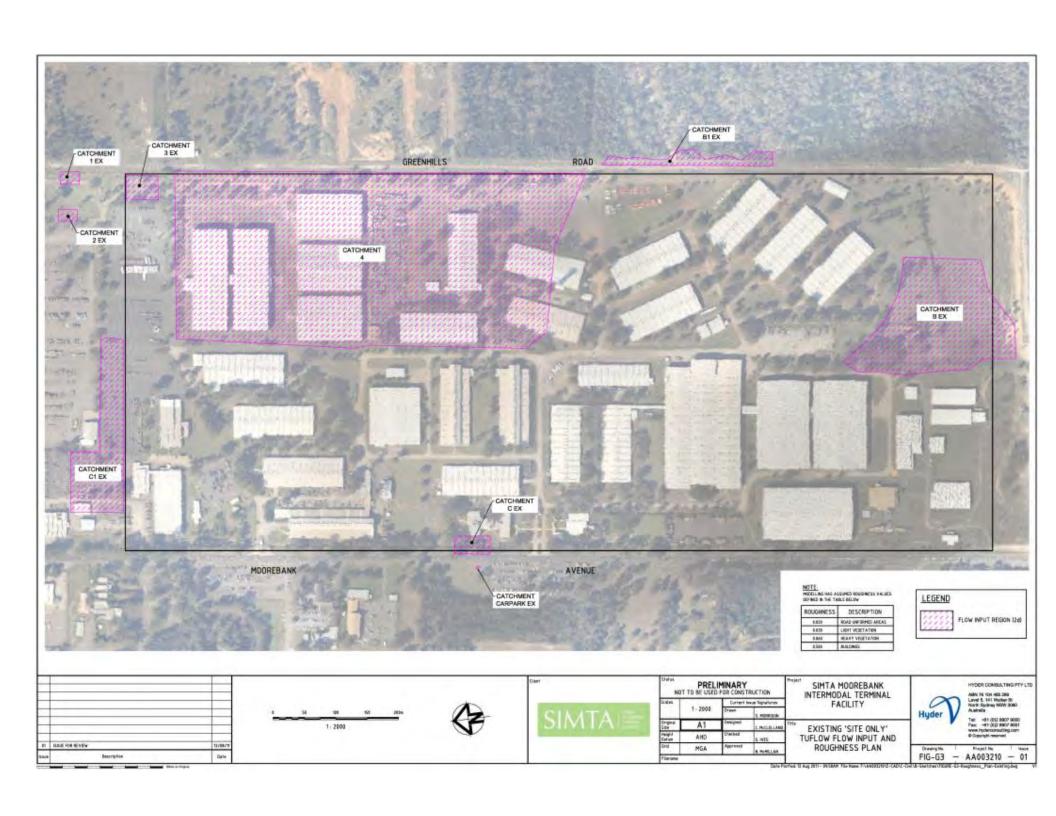
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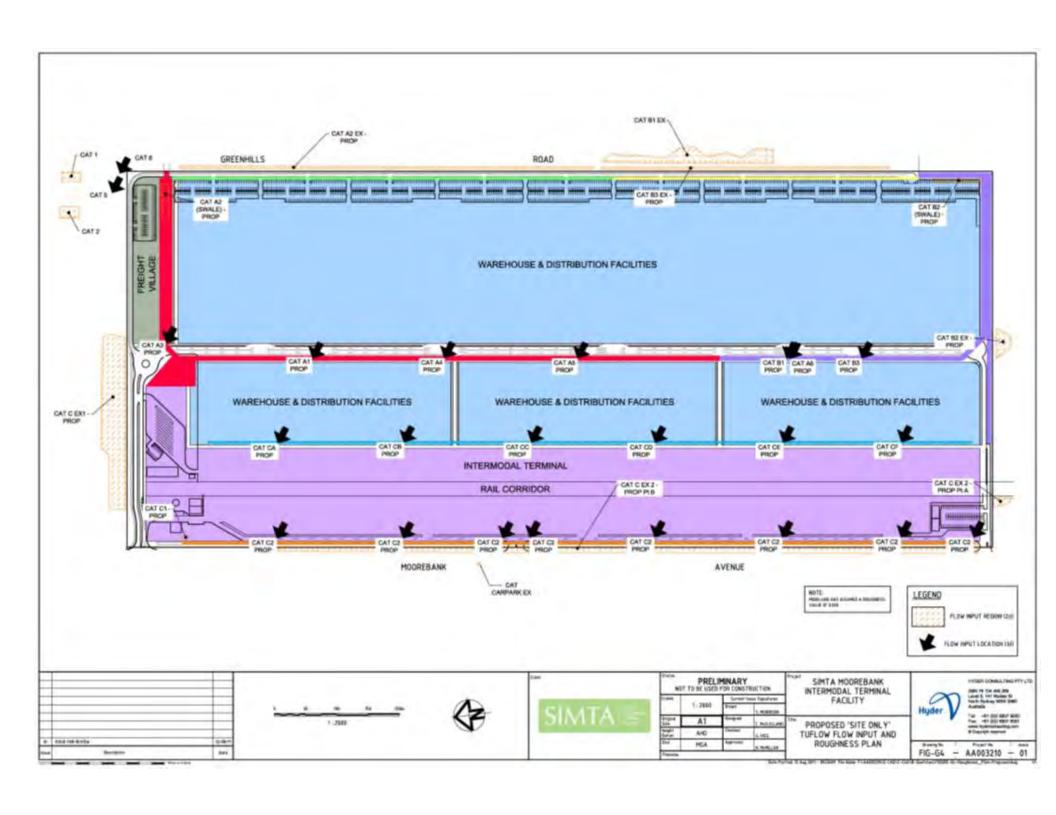
'Site only' TUFLOW model inputs and results – existing and proposed conditions

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Drawings

Current Civil Design

Dwg No. CP020 Existing Stormwater Catchment Plan

Dwg No. CP021 Stormwater Concept and Proposed Catchment Plan

Dwg No. CP022 Stormwater Quality Concept Plan

Dwg No. CP023 Stormwater Quantity Concept Plan

Dwg No. CP024 Stormwater Drainage Details Sheet 1 of 4

Dwg No. CP025 Stormwater Drainage Details Sheet 2 of 4

Dwg No. CP026 Stormwater Drainage Details Sheet 3 of 4

Dwg No. CP027 Stormwater Drainage Details Sheet 4 of 4

Civil Design Options

Dwg No. SKC230 Civil Design Options for Stormwater Plan Layout Sheet 1 of 4

Dwg No. SKC231 Civil Design Options for Stormwater Plan Layout Sheet 2 of 4

Dwg No. SKC232 Civil Design Options for Stormwater Plan Layout Sheet 3 of 4

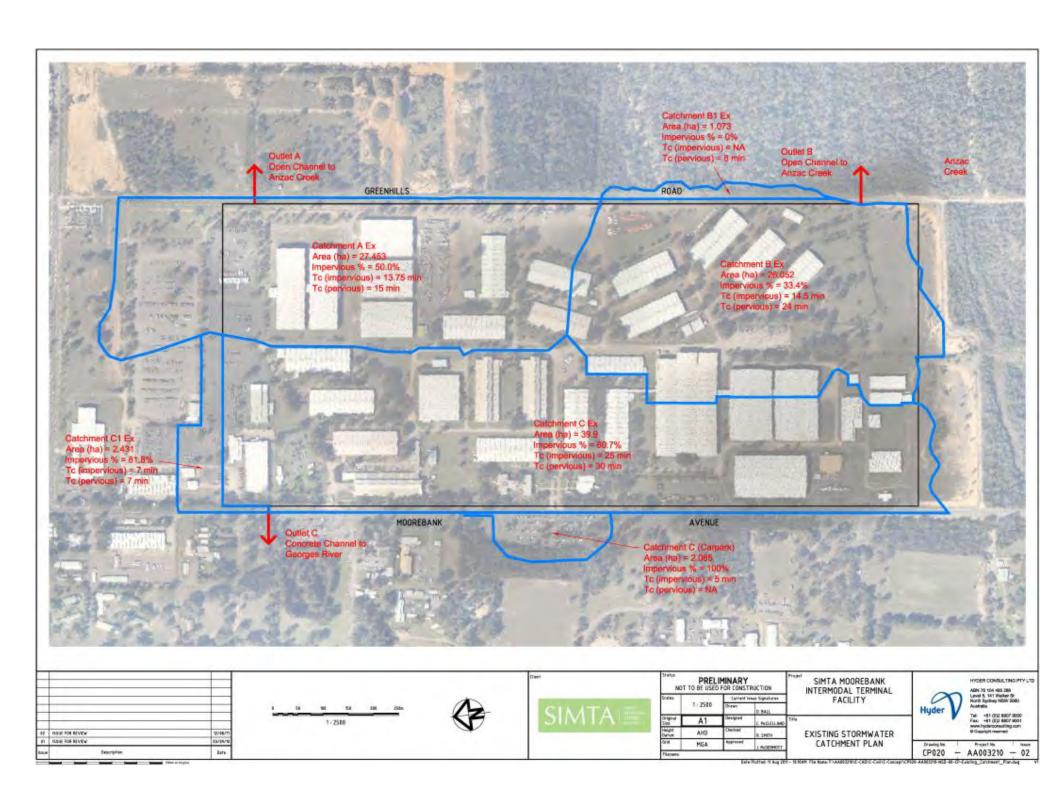
Dwg No. SKC233 Civil Design Options for Stormwater Plan Layout Sheet 4 of 4

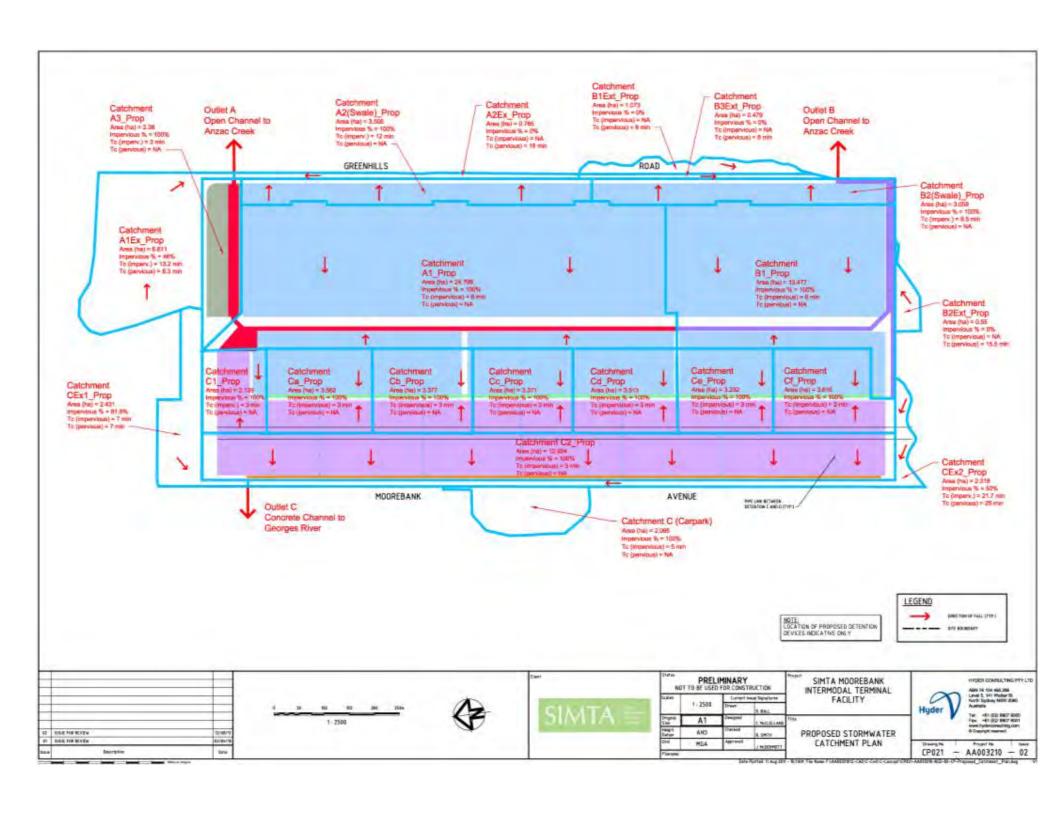
Dwg No. SKC220 Civil Design Options for Stormwater Sections Sheet 1 of 3 $\,$

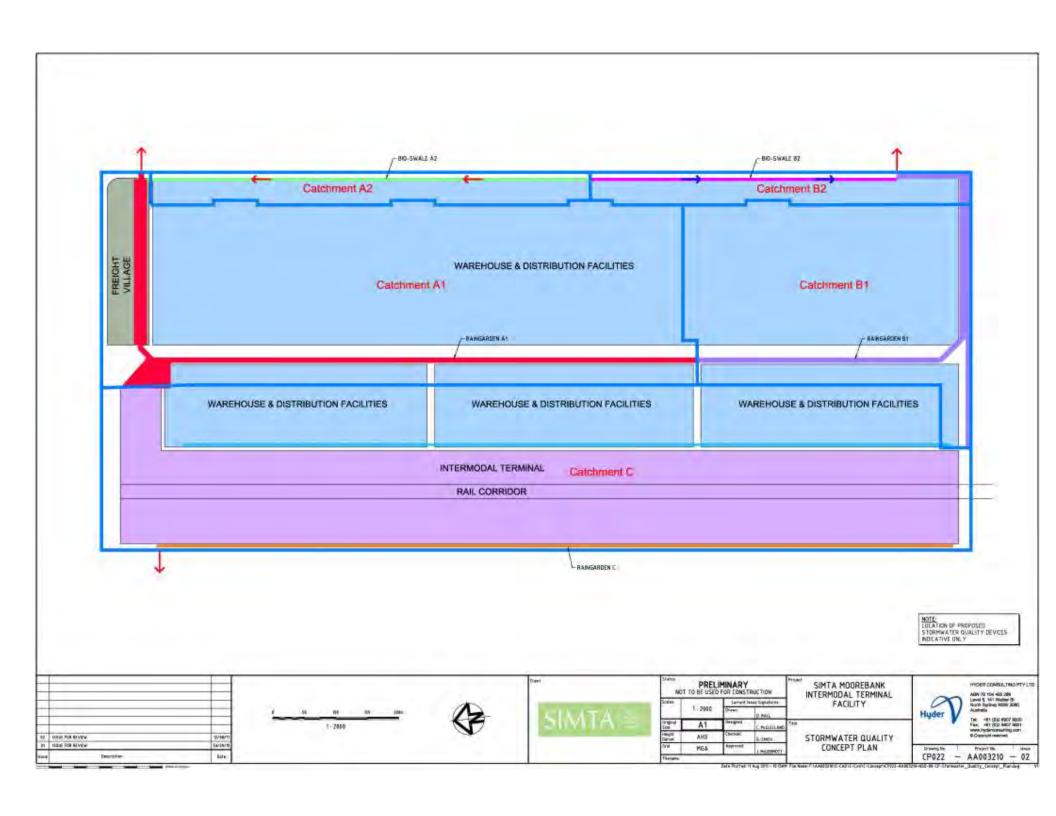
Dwg No. SKC221 Civil Design Options for Stormwater Sections Sheet 2 of 3

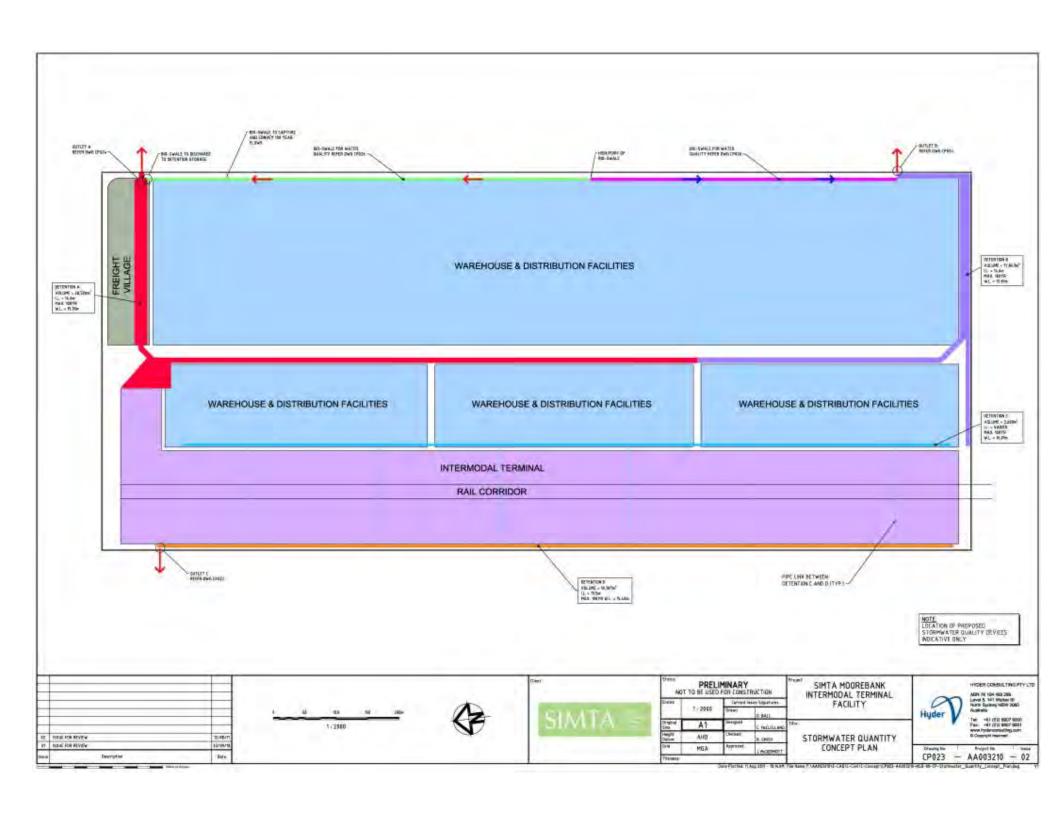
Dwg No. SKC222 Civil Design Options for Stormwater Sections Sheet 3 of 3

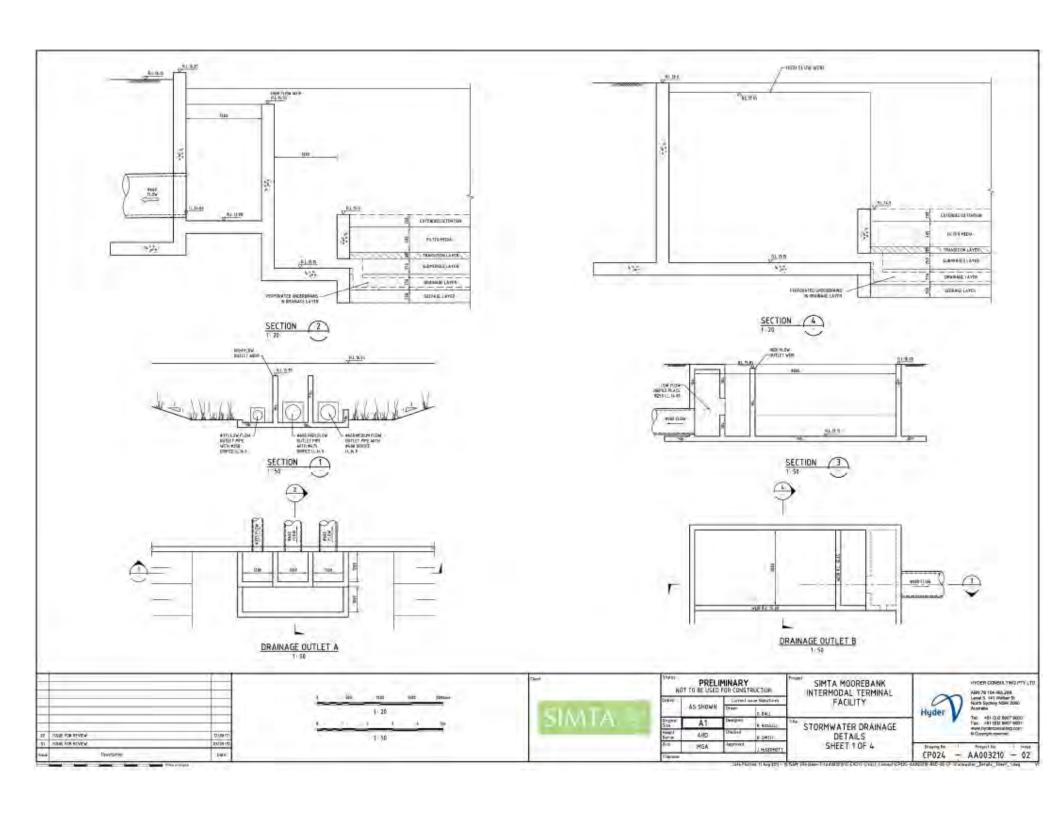
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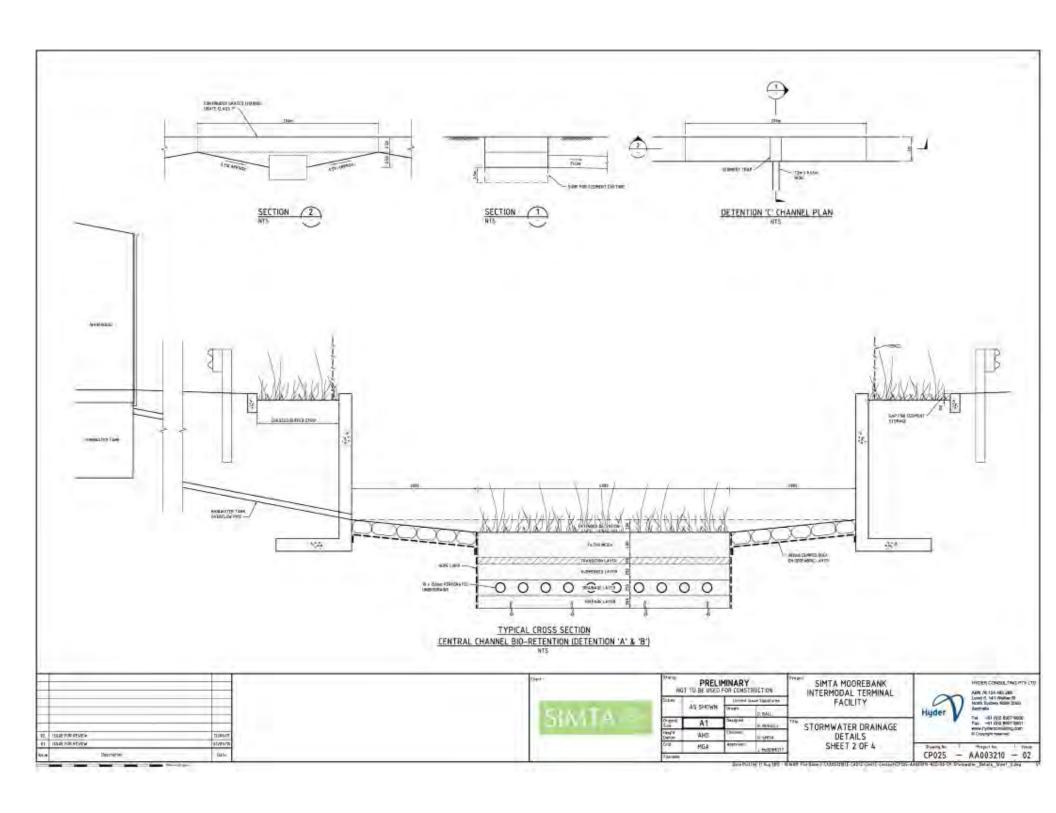


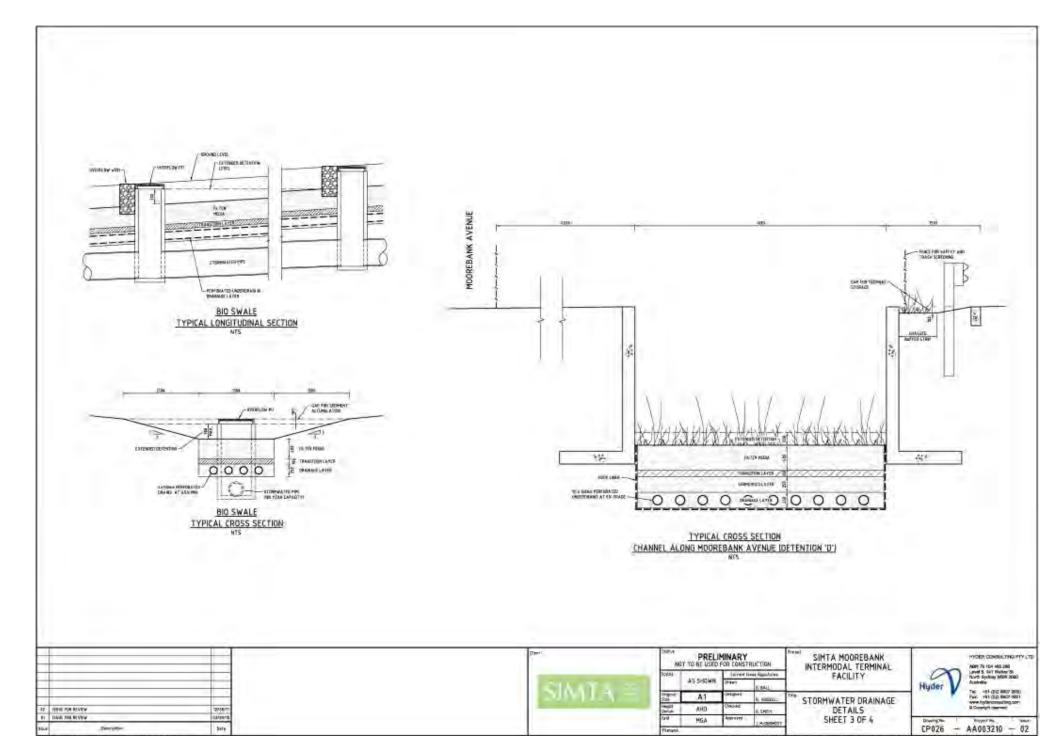


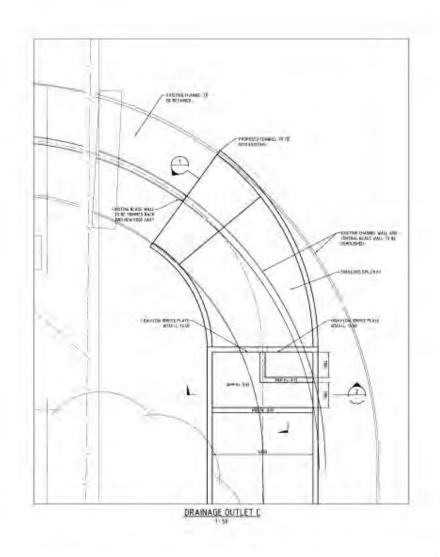


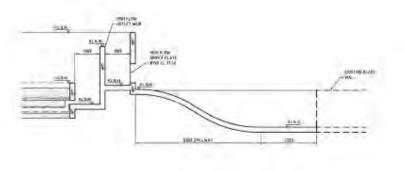




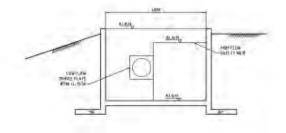














			SIMTA.	PRELIMINARY NOTTO BE USED FOR CONSTRUCTION				SIMTA MOOREBANK INTERMODAL TERMINAL	Hyder	HYSER CONSIL THO PTY LT Mary 76 154 HIS 204 Lovel 5, 141 Trother 51 North System, MSH 2041 Facinities
				AS SHOWN Driver 1,144		FACILITY				
		-		Sryne Sze	A1.	(majori	e enanc	"" STORMWATER DRAINAGE DETAILS SHEET 4 OF 4		The 491 (2 & 800° 9000 File 481 (20 entr' 9001 AVAILED CONTINUES CONT
IN HOME FOR REVIEW	101			Series	AHD	Desire	e serie			
ET INNE FOR REVEY	311			No.	MGA	Agentions	Liebberr		CP027 - /	AA003210 - 02
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