Flo Consult	UK	Ltd									Pa	ge 1
7 Bertal Ro	ad				73-75	avenu	e Road	d				
London					Post	Post Development Mock Network					4	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
SW17 OBX					Unrestricted SW Run-Off Rates						- um	
Date 12.02.	15				Desid	ned by	MDS					ILIU
File					-	xed by 1						rainage
XP Solution	S											
Maximum Time	ST(Re Maxim e of C F	P eturn Pe num Rain Concent: Toul Sev	E ipe Si FSR R eriod (M5-6 F fall (cation vage (1 Runoff	Design zes ST ainfal (years) 50 (mm) Ratio F (mm/hr) (mins) ./s/ha) Coeff. Design me Ar Time	by the Crite ANDARD 1 Model 20.600 0.438 50 30 0.000 0.750 ned with) Min Des) Min) Mi) 1 Level S .gram fo	ied R sizes Sizes nd and Add H Mir Maz sign De Vel fo in Slop Soffits Dr Sto Area	rm STAND Wales Flow / himum kimum epth f por Aut pe for	ARD Clin Backc Backc or Op o Des	nate C. drop H drop H otimis sign os	hange (eight ((m) 0.200 (m) 1.500 (m) 1.200 (s) 1.00
			Т	otal P	ipe Vol	buting (ume (m³) Table	= 1.4	14				
	PN	Length (m)	Fall (m)		I.Area (ha)	T.E. (mins) 1	Base Flow (1		k (mm)	HYD SECT	DIA (mm)	
		10.000				5.00 0.00		0.0 (0	<mark>300</mark> 300	
				<u>Netw</u>		sults [
	ain n/hr)	T.C. (mins)	US/II (m)			Σ Base ow (l/s)					Cap (1/s)	Flow (l/s)
	50.00 50.00		10.00 9.90		.105 .105	0.0					111.1 111.1	14.2 14.2
				<u>@1982</u>	-2014	XP Solu	itions	3				

Flo_Consult UK Ltd		Page 2
7 Bertal Road	73-75 Avenue Road	
London	Post Development Mock Network	L'
SW17 OBX	Unrestricted SW Run-Off Rates	Micco
Date 12.02.15	Designed by MDS	
File	Checked by MDS	Diamaye
XP Solutions	Network 2014.1.1	

Simulation Criteria for Storm

Volumetric Runoff Coeff0.750Foul Sewage per hectare (l/s)0.000Areal Reduction Factor1.000Additional Flow - % of Total Flow0.000Hot Start (mins)0MADD Factor * 10m³/ha Storage2.000Hot Start Level (mm)0Run Time (mins)60Manhole Headloss Coeff (Global)0.500Output Interval (mins)1

Number of Input Hydrographs 0 Number of Storage Structures 0 Number of Online Controls 0 Number of Time/Area Diagrams 0 Number of Offline Controls 0

Synthetic Rainfall Details

Rainfall Model		FSR		Profile Type	Summer
Return Period (years)		2		Cv (Summer)	0.750
Region	England	and Wales		Cv (Winter)	0.840
M5-60 (mm)		20.600	Storm	Duration (mins)	30
Ratio R		0.438			

Flo_Consult UK Ltd		Page 1
7 Bertal Road	73-75 Avenue Road	
London	Post Development Mock Network	<u>u</u>
SW17 OBX	Unrestricted SW Run-Off Rates	Micco
Date 12.02.15	Designed by MDS	
File	Checked by MDS	Drainage
XP Solutions	Network 2014.1.1	

Summary of Results for 15 minute 2 year Winter (Storm)

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF Analysis Timestep Fine Inertia Status OFF DTS Status ON

PN	US/MH Name	Water Level (m)	Surcharged Depth (m)			Overflow (1/s)		Status
1.000 1.001		10.103 10.003	-0.197 -0.197	0.000 0.000	0.26 0.25		20.2 19.9	OK OK

©1982-2014 XP Solutions

Flo_Consult UK Ltd		Page 1
7 Bertal Road	73-75 Avenue Road	
London	Post Development Mock Network	<u>u</u>
SW17 OBX	Unrestricted SW Run-Off Rates	Micco
Date 12.02.15	Designed by MDS	Drainage
File	Checked by MDS	Diamaye
XP Solutions	Network 2014.1.1	•

Summary of Results for 15 minute 30 year Winter (Storm)

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF Analysis Timestep Fine Inertia Status OFF DTS Status ON

PN	US/MH Name	Water Level (m)	Surcharged Depth (m)	Flow /	Overflow (l/s)		Status
1.000 1.001		10.148 10.048	-0.152 -0.152	 0.48 0.48		38.1 37.9	OK OK

©1982-2014 XP Solutions

Flo_Consult UK Ltd		Page 1
7 Bertal Road	73-75 Avenue Road	
London	Post Development Mock Network	L.
SW17 OBX	Unrestricted SW Run-Off Rates	Micco
Date 12.02.15	Designed by MDS	
File	Checked by MDS	Drainage
XP Solutions	Network 2014.1.1	

Summary of Results for 15 minute 100 year Winter (Storm)

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF Analysis Timestep Fine Inertia Status OFF DTS Status ON

PN	US/MH Name	Water Level (m)	Surcharged Depth (m)		Flow / Cap.	Overflow (l/s)		Status
1.000 1.001	-	10.208 10.109	-0.092 -0.091	0.000 0.000	0.81 0.81	0.0	64.3 64.1	OK OK

©1982-2014 XP Solutions