

Appendix H

The Northwest Infiltration Basin

Potential Future Access
to Secondary School

Groundwater Level (DS8Z)

Date	Begl (m)	AOD (m)
Dec 19	3.005	4.763
Jan 20	3.240	4.528
Feb 20	2.410	5.358
Mar 20	2.680	5.088

Groundwater Level (DS9Z)

Date	Begl (m)	AOD (m)
Dec 19	3.045	4.697
Jan 20	3.210	4.532
Feb 20	2.230	5.512
Mar 20	2.830	4.912

Groundwater Level (DS12Z)

Date	Begl (m)	AOD (m)
Dec 19	2.925	4.463
Jan 20	2.960	4.428
Feb 20	1.890	5.498
Mar 20	2.270	5.118

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Legend
Site Boundary

Rev.	Date	Amendment	By	Chk.
Status	Indicative			



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Client	Wates Redrow
Job	Ford Airfield
Title	North West Parcels Groundwater Levels
Scale	1:1000 @ A1 Date October 2020
Drawn by	IS
Checked by	
Approved by	

Drawing No.	C85228-D170	Rev.	-
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Infiltration Test (T8d)

Infiltration Test (T8s)

Infiltration Test (T8A)

Infiltration Test (T9s)

Infiltration Test (T9d)

T8d
T8s

T8A

T9s

T9d

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 Site Boundary

 T4 Soakaway Test carried out by RSK dated February 2020

Rev.	Date	Amendment	By	Chk.
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Client	Wates Redrow
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Scale 1:1000		@ A1	Date October 2020
Drawn by IS	Checked by		Approved by



Drawing No.	Rev.
C85228-D171	-



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Legend	
	Site boundary
	Surface water sewer
	Existing ground contour
	Proposed road contours

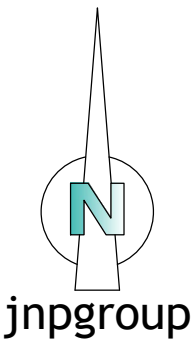
Rev.	Date	Amendment	By	Chk.
Status				
Indicative				



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Client	Wates Redrow
Job	Ford Airfield
Title	North West Pacrels Indicative Surface Water Drainage Strategy Infiltration Basin
Scale	1:1000 @ A1 Date October 2020
Drawn by	IS
Checked by	
Approved by	

Drawing No.	C85228-D172	Rev.	-
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Potential Future Access to Secondary School

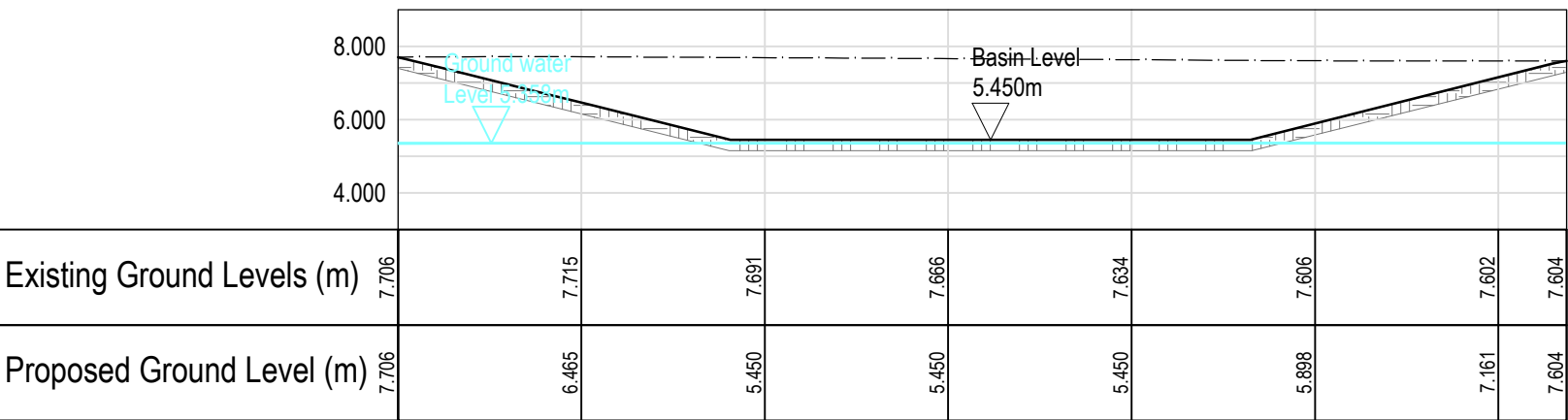
North West Parcels Infiltration Basin
Infiltration Rate 2.07x10⁻⁵ m/s
Base Level 5.450m
Infiltration: base and sides
Groundwater level 5.358m
Clearance between the base of the basin and the worst case monitored groundwater level 98mm

Notes:
Infiltration Rate taken from test location DS8Z
Groundwater level interpolated from test location T8A



North West Parcels Infiltration Basin Plan Layout

1:500



North West Parcels Infiltration Basin Section A-A

1:200

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Legend	
	Site boundary
	Surface water sewer
	Existing ground contour
	Proposed road contours

Rev.	Date	Amendment	By	Chk.
Status				
Indicative				



Client	Wates Redrow
Job	Ford Airfield
Title	North West Parcels Infiltration Basin Plan Layout and Sections
Scale	As Shown @ A1 Date October 2020
Drawn by	IS
Checked by	
Approved by	

Drawing No.	Rev.
C85228-D173	-



Overall Total =

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4. Any discrepancy

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Status	Indicative
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Job	Ford Airfield
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Scale 1:1250	@ A1	Date November 2020
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Drawing No.	Rev.
C85228-D174	-

JNP Group		Page 1
3rd Floor, Marlborough House 48 Holly Walk Leamington Spa CV32 4XP	Ford Airfield System 3 North West Network	
Date 10/12/2020 File C85228 Surface Water Net...	Designed by IS Checked by AM	
Micro Drainage Network 2018.1.1		

STORM SEWER DESIGN by the Modified Rational Method

Design Criteria for JNP Surface Water Network 3 - North West Parcel REV F 2020.11.18

Pipe Sizes Standard Manhole Sizes STANDARD

FEH Rainfall Model		
Return Period (years)		2
FEH Rainfall Version		2013
Site Location	GB 500450 103100 TQ 00450 03100	
Data Type		Catchment
Maximum Rainfall (mm/hr)		50
Maximum Time of Concentration (mins)		30
Foul Sewage (l/s/ha)		0.000
Volumetric Runoff Coeff.		0.750
PIMP (%)		100
Add Flow / Climate Change (%)		0
Minimum Backdrop Height (m)		0.200
Maximum Backdrop Height (m)		1.500
Min Design Depth for Optimisation (m)		1.200
Min Vel for Auto Design only (m/s)		1.00
Min Slope for Optimisation (1:X)		500

Designed with Level Soffits

Time Area Diagram for JNP Surface Water Network 3 - North West Parcel REV F 2020.11.18

Time (mins)	Area (ha)	Time (mins)	Area (ha)	Time (mins)	Area (ha)
0-4	1.149	4-8	0.825	8-12	0.026

Total Area Contributing (ha) = 1.999

Total Pipe Volume (m³) = 130.872

Network Design Table for JNP Surface Water Network 3 - North West Parcel REV F 2020.11.18

PN (m)	Length (m)	Fall (1:X)	Slope (ha)	I.Area (mins)	T.E. Flow (l/s)	Base (mm)	k SECT	HYD (mm)	DIA Section	Type Design
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Network Results Table

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JNP Group		Page 2
3rd Floor, Marlborough House 48 Holly Walk Leamington Spa CV32 4XP	Ford Airfield System 3 North West Network	
Date 10/12/2020 File C85228 Surface Water Net...	Designed by IS Checked by AM	
Micro Drainage	Network 2018.1.1	

Network Design Table for JNP Surface Water Network 3 - North West Parcel REV F
2020.11.18

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
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3rd Floor, Marlborough House 48 Holly Walk Leamington Spa CV32 4XP	Ford Airfield System 3 North West Network	
Date 10/12/2020 File C85228 Surface Water Net...	Designed by IS Checked by AM	
Micro Drainage	Network 2018.1.1	

Network Design Table for JNP Surface Water Network 3 - North West Parcel REV F
2020.11.18

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	HYD SECT	DIA (mm)	Section Type	Auto Design
1.000	117.811	0.236	500.0	0.261	5.00	0.0	0.600	o	750	Pipe/Conduit	
2.000	55.174	0.184	300.0	0.177	5.00	0.0	0.600	o	600	Pipe/Conduit	
1.001	8.528	0.017	500.0	0.627	0.00	0.0	0.600	o	750	Pipe/Conduit	
1.002	29.242	0.058	500.0	0.000	0.00	0.0	0.600	o	750	Pipe/Conduit	
1.003	25.679	0.051	500.0	0.000	0.00	0.0	0.600	o	750	Pipe/Conduit	
1.004	51.646	0.103	500.0	0.586	0.00	0.0	0.600	o	750	Pipe/Conduit	
1.005	26.016	0.052	500.0	0.348	0.00	0.0	0.600	o	750	Pipe/Conduit	
1.006	2.000	0.004	500.0	0.000	0.00	0.0	0.600	o	750	Pipe/Conduit	

Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
1.000	50.00	6.58	6.300	0.261	0.0	0.0	0.0	1.24	549.9	35.3
2.000	50.00	5.66	6.398	0.177	0.0	0.0	0.0	1.40	396.0	24.0
1.001	50.00	6.69	6.064	1.065	0.0	0.0	0.0	1.24	549.9	144.2
1.002	50.00	7.08	6.047	1.065	0.0	0.0	0.0	1.24	549.9	144.2
1.003	50.00	7.43	5.989	1.065	0.0	0.0	0.0	1.24	549.9	144.2
1.004	50.00	8.12	5.938	1.651	0.0	0.0	0.0	1.24	549.9	223.6
1.005	50.00	8.47	5.835	1.999	0.0	0.0	0.0	1.24	549.9	270.7
1.006	50.00	8.49	5.450	1.999	0.0	0.0	0.0	1.24	549.9	270.7

JNP Group								Page 4				
3rd Floor, Marlborough House 48 Holly Walk Leamington Spa CV32 4XP					Ford Airfield System 3 North West Network							
Date 10/12/2020 File C85228 Surface Water Net...					Designed by IS Checked by AM							
Micro Drainage					Network 2018.1.1							
<u>Manhole Schedules for JNP Surface Water Network 3 - North West Parcel REV F</u> <u>2020.11.18</u>												
MH Name	MH CL (m)	MH Depth (m)	MH Connection	MH Diam., L*W (mm)	PN	Pipe Out Invert Level (m)	Diameter (mm)	PN	Pipes In Invert Level (m)	Diameter (mm)	B	
200	8.306	2.006	Open Manhole	1800	1.000	6.300	750					
202	8.191	1.793	Open Manhole	1500	2.000	6.398	600					
201	7.961	1.897	Open Manhole	1800	1.001	6.064	750	1.000	6.064	750		
								2.000	6.214	600		
203	7.852	1.805	Open Manhole	1800	1.002	6.047	750	1.001	6.047	750		
204	7.917	1.928	Open Manhole	1800	1.003	5.989	750	1.002	5.989	750		
205	7.790	1.852	Open Manhole	1800	1.004	5.938	750	1.003	5.938	750		
206	7.829	1.994	Open Manhole	1800	1.005	5.835	750	1.004	5.835	750		
207	7.500	2.050	Open Manhole	1800	1.006	5.450	750	1.005	5.783	750		
208	7.500	2.054	Open Manhole	1800		OUTFALL		1.006	5.446	750		
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3rd Floor, Marlborough House 48 Holly Walk Leamington Spa CV32 4XP	Ford Airfield System 3 North West Network	
Date 10/12/2020	Designed by IS	
File C85228 Surface Water Net...	Checked by AM	
Micro Drainage	Network 2018.1.1	

PIPELINE SCHEDULES for JNP Surface Water Network 3 - North West Parcel REV F
2020.11.18

Upstream Manhole

PN	Hyd Sect	Diam (mm)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
1.000	o	750	200	8.306	6.300	1.256	Open Manhole	1800
2.000	o	600	202	8.191	6.398	1.193	Open Manhole	1500
1.001	o	750	201	7.961	6.064	1.147	Open Manhole	1800
1.002	o	750	203	7.852	6.047	1.055	Open Manhole	1800
1.003	o	750	204	7.917	5.989	1.178	Open Manhole	1800
1.004	o	750	205	7.790	5.938	1.102	Open Manhole	1800
1.005	o	750	206	7.829	5.835	1.244	Open Manhole	1800
1.006	o	750	207	7.500	5.450	1.300	Open Manhole	1800

Downstream Manhole

PN	Length (m)	Slope (1:X)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
1.000	117.811	500.0	201	7.961	6.064	1.147	Open Manhole	1800
2.000	55.174	300.0	201	7.961	6.214	1.147	Open Manhole	1800
1.001	8.528	500.0	203	7.852	6.047	1.055	Open Manhole	1800
1.002	29.242	500.0	204	7.917	5.989	1.178	Open Manhole	1800
1.003	25.679	500.0	205	7.790	5.938	1.102	Open Manhole	1800
1.004	51.646	500.0	206	7.829	5.835	1.244	Open Manhole	1800
1.005	26.016	500.0	207	7.500	5.783	0.967	Open Manhole	1800
1.006	2.000	500.0	208	7.500	5.446	1.304	Open Manhole	1800

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3rd Floor, Marlborough House 48 Holly Walk Leamington Spa CV32 4XP	Ford Airfield System 3 North West Network	
Date 10/12/2020 File C85228 Surface Water Net...	Designed by IS Checked by AM	
Micro Drainage	Network 2018.1.1	

Area Summary for JNP Surface Water Network 3 - North West Parcel REV F 2020.11.18

Pipe Number	PIMP Type	PIMP Name	PIMP (%)	Gross Area (ha)	Imp. Area (ha)	Pipe Total (ha)
1.000	-	-	100	0.261	0.261	0.261
2.000	-	-	100	0.177	0.177	0.177
1.001	-	-	100	0.627	0.627	0.627
1.002	-	-	100	0.000	0.000	0.000
1.003	-	-	100	0.000	0.000	0.000
1.004	-	-	100	0.586	0.586	0.586
1.005	-	-	100	0.348	0.348	0.348
1.006	-	-	100	0.000	0.000	0.000
				Total	Total	Total
				1.999	1.999	1.999

Free Flowing Outfall Details for JNP Surface Water Network 3 - North West Parcel REV F 2020.11.18

Outfall Pipe Number	Outfall Name	C. Level (m)	I. Level (m)	Min I. Level (m)	D, L (mm)	W (mm)
1.006	208	7.500	5.446	5.400	1800	0

Simulation Criteria for JNP Surface Water Network 3 - North West Parcel REV F 2020.11.18

Volumetric Runoff Coeff	0.750	Additional Flow - % of Total Flow	0.000
Areal Reduction Factor	1.000	MADD Factor * 10m³/ha Storage	2.000
Hot Start (mins)	0	Inlet Coefficient	0.800
Hot Start Level (mm)	0	Flow per Person per Day (l/per/day)	0.000
Manhole Headloss Coeff (Global)	0.500	Run Time (mins)	60
Foul Sewage per hectare (l/s)	0.000	Output Interval (mins)	1

Number of Input Hydrographs 0 Number of Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 1 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model	FEH
Return Period (years)	2
FEH Rainfall Version	2013
Site Location	GB 500450 103100 TQ 00450 03100
Data Type	Catchment
Summer Storms	Yes
Winter Storms	Yes

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Date 10/12/2020 File C85228 Surface Water Net...	Designed by IS Checked by AM	
Micro Drainage	Network 2018.1.1	
Synthetic Rainfall Details Cv (Summer) 0.750 Cv (Winter) 0.840 Storm Duration (mins) 30		
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3rd Floor, Marlborough House 48 Holly Walk Leamington Spa CV32 4XP	Ford Airfield System 3 North West Network	
Date 10/12/2020 File C85228 Surface Water Net...	Designed by IS Checked by AM	
Micro Drainage Network 2018.1.1		
<u>Online Controls for JNP Surface Water Network 3 - North West Parcel REV F</u> <u>2020.11.18</u> <u>Weir Manhole: 207, DS/PN: 1.006, Volume (m³): 15.9</u> Discharge Coef 0.544 Width (m) 1.800 Invert Level (m) 7.500		
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JNP Group		Page 10
3rd Floor, Marlborough House 48 Holly Walk Leamington Spa CV32 4XP	Ford Airfield System 3 North West Network	
Date 10/12/2020 File C85228 Surface Water Net...	Designed by IS Checked by AM	
Micro Drainage	Network 2018.1.1	

**2 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for
JNP Surface Water Network 3 - North West Parcel REV F 2020.11.18**

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 2.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Offline Controls 0 Number of Time/Area Diagrams 0
 Number of Online Controls 1 Number of Storage Structures 1 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH
 FEH Rainfall Version 2013
 Site Location GB 500450 103100 TQ 00450 03100
 Data Type Catchment
 Cv (Summer) 0.750
 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0
 Analysis Timestep 2.5 Second Increment (Extended)
 DTS Status OFF
 DVD Status ON
 Inertia Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720,
 960, 1440, 2160, 2880
 Return Period(s) (years) 2, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)
1.000	200	15 Winter	2	+0%	100/15 Summer				6.482
2.000	202	15 Winter	2	+0%	100/15 Summer				6.519
1.001	201	15 Winter	2	+0%	100/15 Summer				6.429
1.002	203	15 Winter	2	+0%	100/15 Summer				6.397
1.003	204	15 Winter	2	+0%	100/15 Summer				6.353
1.004	205	15 Winter	2	+0%	100/15 Summer				6.317
1.005	206	15 Winter	2	+0%	100/15 Summer				6.215
1.006	207	360 Winter	2	+0%	30/60 Summer				6.098

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3rd Floor, Marlborough House 48 Holly Walk Leamington Spa CV32 4XP	Ford Airfield System 3 North West Network	
Date 10/12/2020	Designed by IS	
File C85228 Surface Water Net...	Checked by AM	
Micro Drainage	Network 2018.1.1	

2 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for
JNP Surface Water Network 3 - North West Parcel REV F 2020.11.18

PN	US/MH Name	Surcharged		Flooded		Pipe Flow (l/s)	Status	Level Exceeded
		Depth (m)	Volume (m ³)	Flow / Cap.	Overflow (l/s)			
1.000	200	-0.568	0.000	0.08		39.0	OK	
2.000	202	-0.479	0.000	0.08		29.5	OK	
1.001	201	-0.385	0.000	0.48		129.6	OK	
1.002	203	-0.400	0.000	0.30		127.6	OK	
1.003	204	-0.386	0.000	0.31		126.5	OK	
1.004	205	-0.371	0.000	0.39		184.4	OK	
1.005	206	-0.370	0.000	0.51		209.9	OK	
1.006	207	-0.102	0.000	0.00		0.0	OK	

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30 year Return Period Summary of Critical Results by Maximum Level (Rank 1)
for JNP Surface Water Network 3 - North West Parcel REV F 2020.11.18

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet Coefficient	0.800
Manhole Headloss Coeff (Global)	0.500	Flow per Person per Day (l/per/day)	0.000
Foul Sewage per hectare (l/s)	0.000		

Number of Input Hydrographs 0 Number of Offline Controls 0 Number of Time/Area Diagrams 0
Number of Online Controls 1 Number of Storage Structures 1 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model	FEH
FEH Rainfall Version	2013
Site Location	GB 500450 103100 TQ 00450 03100
Data Type	Catchment
Cv (Summer)	0.750
Cv (Winter)	0.840

Margin for Flood Risk Warning (mm) 300.0

Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	ON
Inertia Status	ON

Profile(s) Summer and Winter

Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880

Return Period(s) (years) 2, 30, 100

Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surchage	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)
1.000	200	15 Winter	30	+0%	100/15 Summer				6.716
2.000	202	15 Winter	30	+0%	100/15 Summer				6.708
1.001	201	15 Winter	30	+0%	100/15 Summer				6.662
1.002	203	15 Winter	30	+0%	100/15 Summer				6.646
1.003	204	15 Winter	30	+0%	100/15 Summer				6.601
1.004	205	15 Winter	30	+0%	100/15 Summer				6.559
1.005	206	240 Winter	30	+0%	100/15 Summer				6.501
1.006	207	360 Winter	30	+0%	30/60 Summer				6.473

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30 year Return Period Summary of Critical Results by Maximum Level (Rank 1)
for JNP Surface Water Network 3 - North West Parcel REV F 2020.11.18

PN	US/MH Name	Surcharged Depth (m)	Flooded Volume (m ³)	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
1.000	200	-0.334	0.000	0.16		82.3	OK	
2.000	202	-0.290	0.000	0.18		61.7	OK	
1.001	201	-0.152	0.000	0.93		254.2	OK	
1.002	203	-0.151	0.000	0.61		257.6	OK	
1.003	204	-0.138	0.000	0.62		257.4	OK	
1.004	205	-0.129	0.000	0.78		366.1	OK	
1.005	206	-0.084	0.000	0.33		136.7	OK	
1.006	207	0.273	0.000	0.00		0.0	SURCHARGED	

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3rd Floor, Marlborough House

48 Holly Walk

Leamington Spa CV32 4XP

Ford Airfield

System 3

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File C85228 Surface Water Net...

Designed by IS

Checked by AM

Micro Drainage

Network 2018.1.1

100 year Return Period Summary of Critical Results by Maximum Level (Rank 1)

for JNP Surface Water Network 3 - North West Parcel REV F 2020.11.18

Simulation Criteria

Areal Reduction Factor 1.000

Additional Flow - % of Total Flow 0.000

Hot Start (mins) 0

MADD Factor * 10m³/ha Storage 2.000

Hot Start Level (mm) 0

Inlet Coefficient 0.800

Manhole Headloss Coeff (Global) 0.500

Flow per Person per Day (l/per/day) 0.000

Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0

Number of Offline Controls 0

Number of Time/Area Diagrams 0

Number of Online Controls 1

Number of Storage Structures 1

Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FEH

FEH Rainfall Version 2013

Site Location GB 500450 103100 TQ 00450 03100

Data Type Catchment

Cv (Summer) 0.750

Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0

Analysis Timestep 2.5 Second Increment (Extended)

DTS Status OFF

DVD Status ON

Inertia Status ON

Profile(s) Summer and Winter

Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880

Return Period(s) (years) 2, 30, 100

Climate Change (%) 0, 0, 40

US/MH

PN

Name

Storm

Return Period

Climate Change

First (X) Surchage

First (Y) Flood

First (Z) Overflow

Overflow Act.

Water Level (m)

1.000

200

15 Winter

100

+40%

100/15 Summer

7.317

2.000

202

15 Winter

100

+40%

100/15 Summer

7.314

1.001

201

15 Winter

100

+40%

100/15 Summer

7.290

1.002

203

15 Winter

100

+40%

100/15 Summer

7.240

1.003

204

15 Winter

100

+40%

100/15 Summer

7.157

1.004

205

15 Winter

100

+40%

100/15 Summer

7.080

1.005

206

360 Winter

100

+40%

100/15 Summer

7.041

1.006

207

360 Winter

100

+40%

30/60 Summer

7.039

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100 year Return Period Summary of Critical Results by Maximum Level (Rank 1)
for JNP Surface Water Network 3 - North West Parcel REV F 2020.11.18

PN	US/MH Name	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe	Status	Level Exceeded
		Depth (m)	Volume (m³)			Flow (l/s)		
1.000	200	0.267	0.000	0.27		137.0	SURCHARGED	
2.000	202	0.316	0.000	0.29		101.1	SURCHARGED	
1.001	201	0.476	0.000	2.04		556.7	SURCHARGED	
1.002	203	0.443	0.000	1.22		516.0	SURCHARGED	
1.003	204	0.418	0.000	1.23		507.9	SURCHARGED	
1.004	205	0.392	0.000	1.58		738.0	SURCHARGED	
1.005	206	0.456	0.000	0.41		169.7	SURCHARGED	
1.006	207	0.839	0.000	0.00		0.0	SURCHARGED	