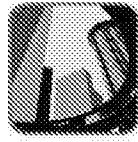


Appendix J

Micro Drainage Calculations





Northern Catchment Impermeable Areas
with 10 % urban creep to parcels

Pipe No.	Parcels with 10% urban creep (m²)	Spine Road (ha)	Total (ha)
1.000	0.477	0.210	0.687
1.001	0.217	0.098	0.315
1.002	0.000	0.000	0.000
1.003	1.046	0.000	1.046
2.000	0.081	0.131	0.212
2.001	0.000	0.087	0.087
2.002	0.131	0.070	0.201
2.003	0.194	0.000	0.194
1.004	0.273	0.000	0.273
3.000	0.080	0.114	0.194
3.001	0.000	0.000	0.000
3.002	0.122	0.140	0.262
3.003	0.188	0.000	0.188
4.000	0.251	0.000	0.251
3.004	0.000	0.000	0.000
5.000	0.237	0.000	0.237
3.005	0.118	0.000	0.118
6.000	0.184	0.000	0.184
1.005	0.691	0.000	0.691
1.006	0.421	0.000	0.421
1.007	0.142	0.000	0.142
1.008	0.000	0.000	0.000
1.009	0.606	0.000	0.606
7.000	0.185	0.000	0.185
1.010	0.000	0.000	0.000
1.011	0.000	0.000	0.000
1.012	0.130	0.000	0.130
8.000	0.085	0.000	0.085
8.001	0.106	0.000	0.106
9.000	0.092	0.159	0.251
8.002	0.690	0.088	0.778
10.000	0.117	0.000	0.117
10.001	0.000	0.000	0.000
10.002	0.255	0.000	0.255
11.000	0.057	0.083	0.140
10.003	0.438	0.087	0.525
Overall Total =			8.881

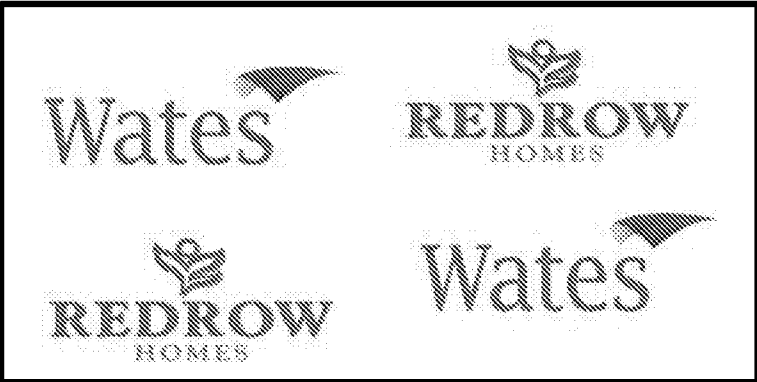
Northern Catchment Impermeable Areas
with 10 % urban creep to parcels

Pipe No.	Parcels with 10% urban creep (m²)	Spine Road (ha)	Total (ha)
8.003	0.000	0.000	0.000
12.000	0.233	0.000	0.233
8.004	0.433	0.000	0.433
8.005	0.000	0.000	0.000
13.000	0.067	0.000	0.067
13.001	0.172	0.000	0.172
8.006	0.267	0.000	0.267
14.000	0.171	0.000	0.171
14.001	0.000	0.000	0.000
15.000	0.319	0.000	0.319
8.007	0.466	0.000	0.466
16.000	0.265	0.000	0.265
16.001	0.000	0.000	0.000
17.000	0.069	0.000	0.069
16.002	0.204	0.085	0.289
18.000	0.209	0.098	0.307
16.003	0.327	0.082	0.409
19.000	0.243	0.000	0.243
16.004	0.417	0.000	0.417
16.005	0.400	0.000	0.400
20.000	0.062	0.000	0.062
16.006	0.170	0.000	0.170
8.008	0.553	0.000	0.553
8.009	0.146	0.000	0.146
21.000	0.132	0.000	0.132
21.001	0.138	0.000	0.138
22.000	0.000	0.024	0.024
22.001	0.000	0.305	0.305
21.002	0.429	0.064	0.493
23.000	0.046	0.000	0.046
21.003	0.230	0.000	0.230
24.000	0.000	0.045	0.045
24.001	0.000	0.041	0.041
24.002	0.221	0.000	0.221
21.004	0.202	0.000	0.202
21.005	0.000	0.000	0.000
25.000	0.073	0.000	0.073
26.000	0.046	0.000	0.046
21.006	0.979	0.000	0.979
21.007	0.139	0.000	0.139
27.000	0.073	0.000	0.073
27.001	0.223	0.000	0.223
21.008	0.307	0.000	0.307
8.010	0.537	0.000	0.537
8.011	0.745	0.000	0.745
28.000	1.296	0.000	1.296
28.001	0.000	0.000	0.000
28.002	0.000	0.000	0.000
1.013	0.000	0.000	0.000
1.014	0.000	0.000	0.000
Overall Total =			11.753

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B	10.02.20	Surface Water networks updated to include offsite highways works. Basins revised due to groundwater monitoring results	IS	AM	
A	24.10.19	Land use plan updated	IS	AM	
Rev.	Date	Amendment	By	Chk.	
Status					
Indicative					



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Client	Wates Redrow			
Job	Ford Airfield			
Title	Surface Water Pipe Allocation Plan Northern Basin Surface Water Network 1			
Scale	1:2500			
Drawn by	IS			
Checked by				
Approved by				
Date	July 2019			
BM TRADA	UKAS	HAS	Constructionline	Accredited Contractor

Drawing No.	Rev.
C85228-D112	B



Southern Catchment Impermeable Areas
with 10% Urban Creep to Parcels

Pipe No.	Parcels with 10% urban creep (m²)	Spine Road (ha)	Total (ha)
1.000	0.237	0.000	0.237
2.000	0.110	0.000	0.110
1.001	0.141	0.000	0.141
3.000	0.117	0.000	0.117
1.002	0.409	0.000	0.409
4.000	0.121	0.248	0.369
4.001	1.363	0.158	1.521
1.003	0.182	0.000	0.182
1.004	0.256	0.168	0.424
1.005	0.000	0.000	0.000
5.000	0.069	0.000	0.069
5.001	0.000	0.000	0.000
5.002	0.215	0.000	0.215
1.006	0.503	0.000	0.503
1.007	0.259	0.000	0.259
1.008	0.450	0.000	0.450
6.000	0.196	0.000	0.196
6.001	0.143	0.000	0.143
6.002	0.000	0.000	0.000
6.003	0.000	0.000	0.000
6.004	0.000	0.000	0.000
7.000	0.076	0.000	0.076
7.001	0.000	0.000	0.000
7.002	0.000	0.000	0.000
7.003	0.151	0.000	0.151
7.004	0.000	0.000	0.000
6.005	0.200	0.000	0.200
6.006	0.190	0.124	0.314
8.000	0.116	0.000	0.116
9.000	0.081	0.000	0.081
9.001	0.000	0.000	0.000
8.001	0.285	0.000	0.285
6.007	0.394	0.117	0.511
10.000	0.098	0.151	0.249
10.001	0.168	0.120	0.288
6.008	0.000	0.000	0.000
6.009	0.565	0.000	0.565
11.000	0.164	0.000	0.164
11.001	0.000	0.000	0.000
6.010	0.156	0.000	0.156
6.011	0.547	0.000	0.547
Overall Total =			9.048

Southern Catchment Impermeable Areas
with 10% Urban Creep to Parcels

Pipe No.	Parcels with 10% urban creep (m²)	Spine Road (ha)	Total (ha)
12.000	0.118	0.000	0.118
13.000	0.125	0.000	0.125
12.001	0.000	0.000	0.000
14.000	0.158	0.000	0.158
14.001	0.000	0.000	0.000
12.002	0.365	0.000	0.365
15.000	0.072	0.000	0.072
15.001	0.000	0.000	0.000
16.000	0.088	0.000	0.088
15.002	0.199	0.000	0.199
12.003	0.329	0.000	0.329
12.004	0.158	0.000	0.158
17.000	0.150	0.000	0.150
18.000	0.094	0.000	0.094
17.001	0.132	0.000	0.132
17.002	0.211	0.000	0.211
19.000	0.088	0.000	0.088
12.005	0.417	0.000	0.417
12.006	0.420	0.000	0.420
20.000	0.081	0.000	0.081
20.001	0.000	0.000	0.000
21.000	0.123	0.000	0.123
21.001	0.000	0.000	0.000
21.002	0.000	0.000	0.000
21.003	0.110	0.000	0.110
20.002	0.164	0.000	0.164
20.003	0.249	0.000	0.249
22.000	0.196	0.000	0.196
22.001	0.000	0.000	0.000
23.000	0.155	0.000	0.155
23.001	0.000	0.000	0.000
23.002	0.000	0.000	0.000
22.002	0.315	0.000	0.315
20.004	0.355	0.000	0.355
20.005	0.360	0.000	0.360
1.009	0.000	0.000	0.000
1.010	0.000	0.000	0.000
Overall Total =			5.232

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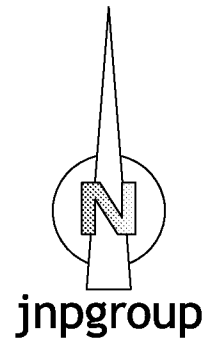
B	10.02.19	Surface water networks updated to include offsite highways works. Basins revised due to groundwater monitoring results	IS	AM	
A	24.10.19	Land use plan updated	IS	AM	
Rev.	Date	Amendment	By	Chk.	
Status					
Indicative					

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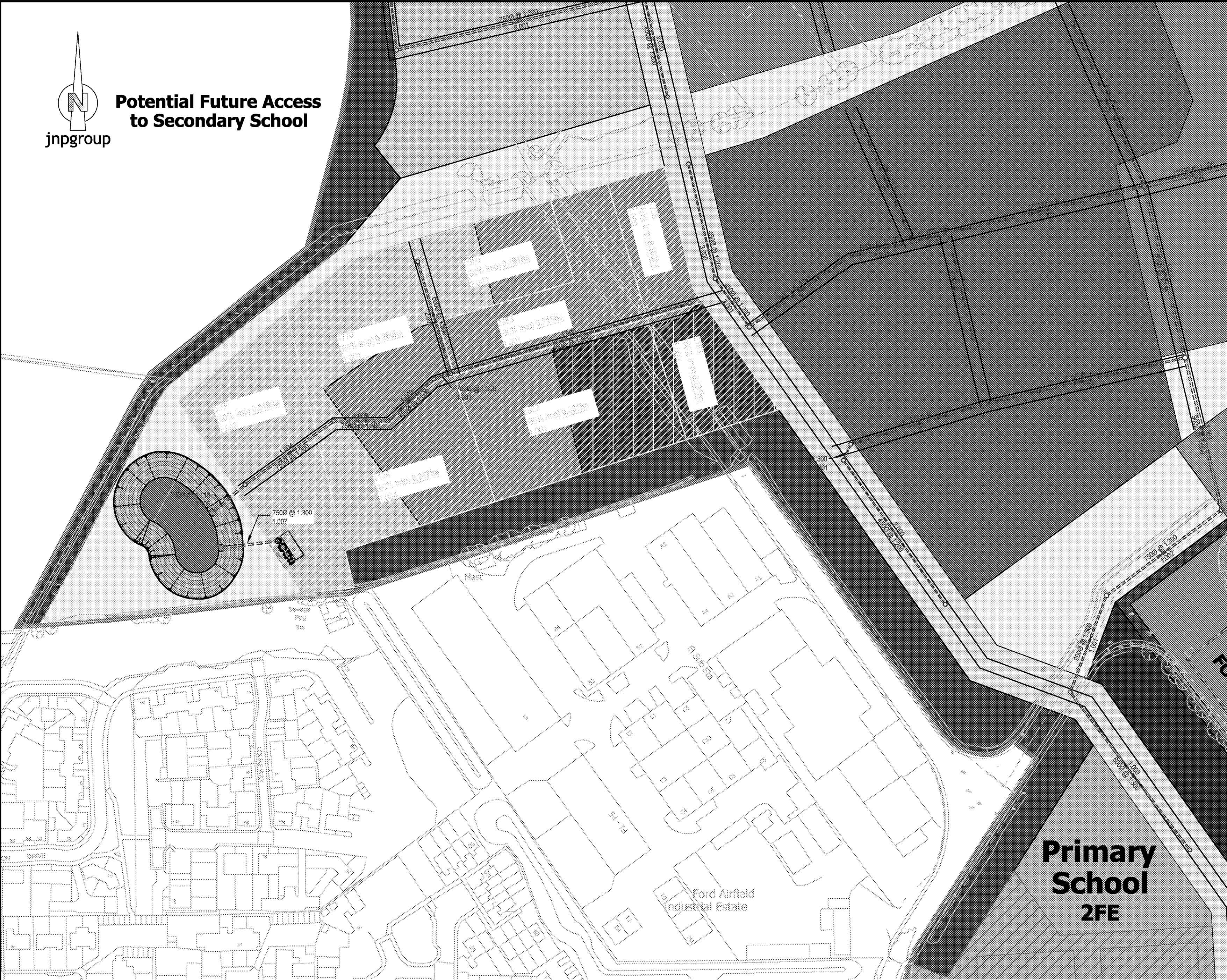
Chesham • Brighthelm • Hatfieldpool • Leamington Spa • Sheffield
Tel: 01926 889955 E-mail: leamingtonspa@jnpgroup.co.uk

Client	Wates Redrow
Job	Ford Airfield
Title	Surface Water Pipe Allocation Plan Southern Basin Surface Water Network 2
Scale	1:2000 @ A1 Date July 2019
Drawn by	IS
Checked by	
Approved by	

Drawing No.	Rev.
C85228-D113	B



Potential Future Access
to Secondary School



North West Catchment Impermeable Areas with 10% Urban Creep to Parcels			
Pipe No.	Parcels with 10% urban creep (m²)	Spine Road (ha)	Total (ha)
1.000	0.261	0.000	0.261
2.000	0.177	0.000	0.177
1.001	0.627	0.000	0.627
1.002	0.000	0.000	0.000
1.003	0.000	0.000	0.000
1.004	0.586	0.000	0.586
1.005	0.348	0.000	0.348
1.006	0.000	0.000	0.000
1.007	0.000	0.000	0.000
Overall Total =			1.999

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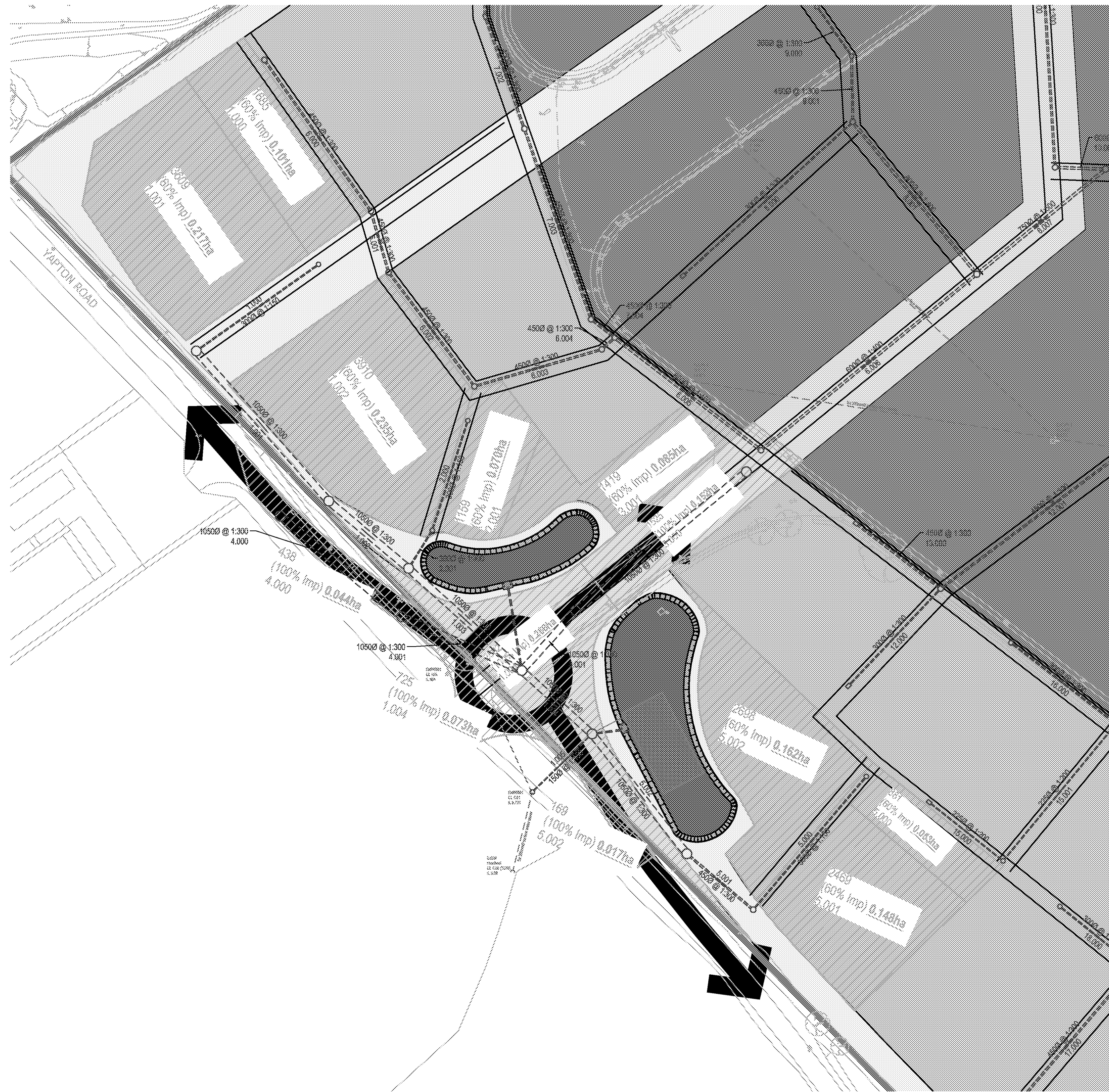
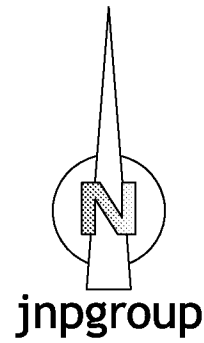
B	10.02.20	Surface water network 1 updated	IS	AM
A	24.10.19	Land use plan updated	IS	AM
Rev.	Date	Amendment	By	Chk.
Status				
Indicative				



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Client	Wates Redrow
Job	Ford Airfield
Title	Surface Water Pipe Allocation Plan North West Basin Surface Water Network 3
Scale	1:1250 @ A1 Date July 2019
Drawn by	IS
Checked by	
Approved by	

Drawing No.	Rev.
C85228-D114	B



South West Catchment Impermeable Areas with 10% Urban Creep to Parcels			
Pipe No.	Parcels with 10% urban creep (m²)	Spine Road (ha)	Total (ha)
1.000	0.111	0.000	0.111
1.001	0.239	0.000	0.239
1.002	0.259	0.000	0.259
2.000	0.000	0.000	0.000
2.001	0.077	0.000	0.077
1.003	0.000	0.000	0.000
3.000	0.000	0.152	0.152
3.001	0.094	0.000	0.094
4.000	0.000	0.044	0.044
4.001	0.000	0.000	0.000
1.004	0.000	0.341	0.341
5.000	0.058	0.000	0.058
5.001	0.163	0.000	0.163
5.002	0.178	0.017	0.195
1.005	0.000	0.000	0.000
Overall Total =			1.733

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B	10.02.20	Surface water networks updated to include offsite highways works. Basins revised due to groundwater monitoring results	IS	AM	
A	24.10.19	Land use plan updated	IS	AM	
Rev.	Date	Amendment	By	Chk.	
Status					
Indicative					



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Client	Wates Redrow
Job	Ford Airfield
Title	Surface Water Pipe Allocation Plan South West Basin Surface Water Network 4
Scale	1:1000 @ A1 Date July 2019
Drawn by	IS
Checked by	
Approved by	

Drawing No.	Rev.
C85228-D115	B