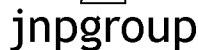


Appendix D

Ford Airfield Market Overspill Car Park

Drainage Calculations





Soakaway 3
Catchment Area = 4717 m²
6.5m x 115m x 0.6m deep
Base of Soakaway = 4.0m AOD

Area
Tank 3
4717m2

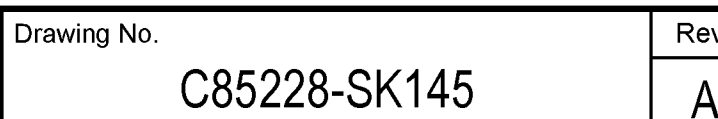
1. Where this drawing has been issued in electronic .dwg format it has been done so in good faith. jrgroup do not take any responsibility for any inaccuracies in the electronic data, which should be checked against the paper (or .pdf) drawing issue. Any apparent discrepancies should be immediately reported to jrgroup. The electronic .dwg file should not be assumed to be to scale and should not be used for 'overlying', setting out or checking of any third party information. All dimensions should be taken from the paper (or .pdf) version of the drawing. Electronic drawings may contain third party information, jrgroup take no responsibility for this information, which should be checked against the originators paper drawing(s).
2. All working dimensions to be checked on site.
3. Do not scale.
4. Any discrepancies between drawings of different scales, and between drawings and specification where appropriate to be notified to The Engineer for decision.
5. Copyright reserved. This drawing may only be used for The Client and location specified in the title block. It may not be copied or disclosed to any third party without the prior written consent of jrgroup.
6. This drawing should only be used for construction if the drawing status is "Construction". jrgroup take no responsibility for construction works undertaken to drawings which are not marked with this status.

A	24.10.19	Market land use plan updated		IS	AM
Rev.	Date	Amendment		By	Chk.
Status		Indicative			



■ john newton & partners
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 Consulting Engineers
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 Tel: 01494 771221 E-mail: chesham@jnpgroup.co.uk

Scale 1:500	⊗ A1	Date April 2019
Drawn by AM	Checked by	Approved by



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Summer</td><td>4.257</td><td>0.257</td><td>1.9</td><td>182.3</td><td>O K</td></tr><tr><td>600 min Summer</td><td>4.255</td><td>0.255</td><td>1.9</td><td>181.3</td><td>O K</td></tr><tr><td>720 min Summer</td><td>4.252</td><td>0.252</td><td>1.9</td><td>179.0</td><td>O K</td></tr><tr><td>960 min Summer</td><td>4.246</td><td>0.246</td><td>1.9</td><td>174.6</td><td>O K</td></tr><tr><td>1440 min Summer</td><td>4.234</td><td>0.234</td><td>1.9</td><td>166.0</td><td>O K</td></tr><tr><td>2160 min Summer</td><td>4.218</td><td>0.218</td><td>1.9</td><td>154.7</td><td>O K</td></tr><tr><td>2880 min Summer</td><td>4.204</td><td>0.204</td><td>1.9</td><td>145.1</td><td>O K</td></tr><tr><td>4320 min Summer</td><td>4.183</td><td>0.183</td><td>1.9</td><td>129.9</td><td>O K</td></tr><tr><td>5760 min Summer</td><td>4.166</td><td>0.166</td><td>1.9</td><td>118.0</td><td>O K</td></tr><tr><td>7200 min Summer</td><td>4.153</td><td>0.153</td><td>1.9</td><td>108.5</td><td>O K</td></tr><tr><td>8640 min 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min Summer</td><td>6.606</td><td>0.0</td><td>600</td></tr><tr><td>720 min Summer</td><td>5.693</td><td>0.0</td><td>688</td></tr><tr><td>960 min Summer</td><td>4.509</td><td>0.0</td><td>796</td></tr><tr><td>1440 min Summer</td><td>3.249</td><td>0.0</td><td>1038</td></tr><tr><td>2160 min Summer</td><td>2.361</td><td>0.0</td><td>1448</td></tr><tr><td>2880 min Summer</td><td>1.899</td><td>0.0</td><td>1848</td></tr><tr><td>4320 min Summer</td><td>1.424</td><td>0.0</td><td>2676</td></tr><tr><td>5760 min Summer</td><td>1.178</td><td>0.0</td><td>3464</td></tr><tr><td>7200 min Summer</td><td>1.030</td><td>0.0</td><td>4248</td></tr><tr><td>8640 min Summer</td><td>0.929</td><td>0.0</td><td>5008</td></tr><tr><td>10080 min Summer</td><td>0.857</td><td>0.0</td><td>5752</td></tr><tr><td>15 min Winter</td><td>89.600</td><td>0.0</td><td>19</td></tr></tbody></table>							Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status	15 min Summer	4.110	0.110	1.8	78.0	O K	30 min Summer	4.142	0.142	1.8	101.1	O K	60 min Summer	4.177	0.177	1.9	125.8	O K	120 min Summer	4.213	0.213	1.9	151.4	O K	180 min Summer	4.233	0.233	1.9	165.3	O K	240 min Summer	4.244	0.244	1.9	173.5	O K	360 min Summer	4.254	0.254	1.9	180.7	O K	480 min Summer	4.257	0.257	1.9	182.3	O K	600 min Summer	4.255	0.255	1.9	181.3	O K	720 min Summer	4.252	0.252	1.9	179.0	O K	960 min Summer	4.246	0.246	1.9	174.6	O K	1440 min Summer	4.234	0.234	1.9	166.0	O K	2160 min Summer	4.218	0.218	1.9	154.7	O K	2880 min Summer	4.204	0.204	1.9	145.1	O K	4320 min Summer	4.183	0.183	1.9	129.9	O K	5760 min Summer	4.166	0.166	1.9	118.0	O K	7200 min Summer	4.153	0.153	1.9	108.5	O K	8640 min Summer	4.142	0.142	1.8	100.6	O K	10080 min Summer	4.132	0.132	1.8	94.0	O K	15 min Winter	4.123	0.123	1.8	87.4	O K	Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Time-Peak (mins)	15 min Summer	89.600	0.0	19	30 min Summer	58.520	0.0	34	60 min Summer	36.960	0.0	64	120 min Summer	22.820	0.0	122	180 min Summer	17.021	0.0	182	240 min 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Date 03/07/2019 File OVERSPILL CELLULAR SOAK...		Designed by AM Checked by IS			
Micro Drainage		Source Control 2018.1.1			
Summary of Results for 10 year Return Period (+40%)					
Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
30 min Winter	4.160	0.160	1.9	113.5	O K
60 min Winter	4.199	0.199	1.9	141.4	O K
120 min Winter	4.240	0.240	1.9	170.6	O K
180 min Winter	4.263	0.263	1.9	186.7	O K
240 min Winter	4.277	0.277	1.9	196.5	O K
360 min Winter	4.290	0.290	1.9	205.7	O K
480 min Winter	4.294	0.294	1.9	208.6	O K
600 min Winter	4.294	0.294	1.9	208.6	O K
720 min Winter	4.292	0.292	1.9	207.3	O K
960 min Winter	4.285	0.285	1.9	202.2	O K
1440 min Winter	4.268	0.268	1.9	190.4	O K
2160 min Winter	4.246	0.246	1.9	174.5	O K
2880 min Winter	4.225	0.225	1.9	159.6	O K
4320 min Winter	4.189	0.189	1.9	134.4	O K
5760 min Winter	4.160	0.160	1.9	113.7	O K
7200 min Winter	4.136	0.136	1.8	96.9	O K
8640 min Winter	4.117	0.117	1.8	82.9	O K
10080 min Winter	4.100	0.100	1.8	71.1	O K
Storm Event	Rain (mm/hr)		Flooded Volume (m³)	Time-Peak (mins)	
30 min Winter	58.520		0.0	33	
60 min Winter	36.960		0.0	62	
120 min Winter	22.820		0.0	122	
180 min Winter	17.021		0.0	180	
240 min Winter	13.720		0.0	238	
360 min Winter	9.987		0.0	354	
480 min Winter	7.920		0.0	468	
600 min Winter	6.606		0.0	582	
720 min Winter	5.693		0.0	692	
960 min Winter	4.509		0.0	902	
1440 min Winter	3.249		0.0	1114	
2160 min Winter	2.361		0.0	1576	
2880 min Winter	1.899		0.0	2020	
4320 min Winter	1.424		0.0	2892	
5760 min Winter	1.178		0.0	3688	
7200 min Winter	1.030		0.0	4472	
8640 min Winter	0.929		0.0	5192	
10080 min Winter	0.857		0.0	5952	
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File OVERSPILL CELLULAR SOAK...	Checked by IS																			
Micro Drainage		Source Control 2018.1.1																		
<u>Model Details</u> Storage is Online Cover Level (m) 6.200 <u>Cellular Storage Structure</u> Invert Level (m) 4.000 Safety Factor 2.0 Infiltration Coefficient Base (m/hr) 0.01700 Porosity 0.95 Infiltration Coefficient Side (m/hr) 0.01700 <table border="1"> <thead> <tr> <th>Depth (m)</th> <th>Area (m²)</th> <th>Inf. Area (m²)</th> <th>Depth (m)</th> <th>Area (m²)</th> <th>Inf. Area (m²)</th> </tr> </thead> <tbody> <tr> <td>0.000</td> <td>747.5</td> <td>747.5</td> <td>0.700</td> <td>0.0</td> <td>893.3</td> </tr> <tr> <td>0.600</td> <td>747.5</td> <td>893.3</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			Depth (m)	Area (m ²)	Inf. Area (m ²)	Depth (m)	Area (m ²)	Inf. Area (m ²)	0.000	747.5	747.5	0.700	0.0	893.3	0.600	747.5	893.3			
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3rd Floor, Marlborough House 48 Holly Walk Leamington Spa CV32 4XP			Ford Market Overspill Car Park Cellular Soakaway			
Date 03/07/2019 File OVERSPILL CELLULAR SOAK...			Designed by AM Checked by IS			
Micro Drainage			Source Control 2018.1.1			
Summary of Results for 100 year Return Period (+40%)						
Half Drain Time : 1436 minutes.						
Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status	
15 min Summer	4.178	0.178	1.9	126.4	O K	
30 min Summer	4.238	0.238	1.9	168.7	O K	
60 min Summer	4.301	0.301	1.9	213.4	O K	
120 min Summer	4.348	0.348	2.0	246.8	O K	
180 min Summer	4.374	0.374	2.0	265.3	O K	
240 min Summer	4.390	0.390	2.0	276.8	O K	
360 min Summer	4.407	0.407	2.0	288.8	O K	
480 min Summer	4.414	0.414	2.0	293.8	O K	
600 min Summer	4.416	0.416	2.0	295.2	O K	
720 min Summer	4.415	0.415	2.0	294.4	O K	
960 min Summer	4.407	0.407	2.0	289.2	O K	
1440 min Summer	4.389	0.389	2.0	275.9	O K	
2160 min Summer	4.366	0.366	2.0	259.8	O K	
2880 min Summer	4.347	0.347	2.0	246.7	O K	
4320 min Summer	4.319	0.319	1.9	226.5	O K	
5760 min Summer	4.296	0.296	1.9	210.5	O K	
7200 min Summer	4.278	0.278	1.9	197.5	O K	
8640 min Summer	4.263	0.263	1.9	186.5	O K	
10080 min Summer	4.249	0.249	1.9	176.9	O K	
15 min Winter	4.200	0.200	1.9	141.7	O K	
Storm Event		Rain (mm/hr)	Flooded Volume (m³)	Time-Peak (mins)		
15 min Summer		144.480	0.0	19		
30 min Summer		96.880	0.0	34		
60 min Summer		61.880	0.0	64		
120 min Summer		36.470	0.0	124		
180 min Summer		26.599	0.0	184		
240 min Summer		21.175	0.0	242		
360 min Summer		15.237	0.0	362		
480 min Summer		12.017	0.0	482		
600 min Summer		9.983	0.0	602		
720 min Summer		8.575	0.0	722		
960 min Summer		6.743	0.0	960		
1440 min Summer		4.824	0.0	1210		
2160 min Summer		3.467	0.0	1576		
2880 min Summer		2.759	0.0	1964		
4320 min Summer		2.030	0.0	2808		
5760 min Summer		1.652	0.0	3632		
7200 min Summer		1.422	0.0	4400		
8640 min Summer		1.267	0.0	5192		
10080 min Summer		1.155	0.0	6048		
15 min Winter		144.480	0.0	19		
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JNP Group				Page 2	
3rd Floor, Marlborough House		Ford Market			
48 Holly Walk		Overspill Car Park			
Leamington Spa CV32 4XP		Cellular Soakaway			
Date 03/07/2019		Designed by AM			
File OVERSPILL CELLULAR SOAK...		Checked by IS			
Micro Drainage		Source Control 2018.1.1			
<u>Summary of Results for 100 year Return Period (+40%)</u>					
Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
30 min Winter	4.266	0.266	1.9	189.2	O K
60 min Winter	4.337	0.337	2.0	239.6	O K
120 min Winter	4.391	0.391	2.0	277.7	O K
180 min Winter	4.421	0.421	2.0	299.0	O K
240 min Winter	4.440	0.440	2.0	312.6	O K
360 min Winter	4.461	0.461	2.0	327.4	O K
480 min Winter	4.471	0.471	2.0	334.3	O K
600 min Winter	4.475	0.475	2.0	337.2	O K
720 min Winter	4.475	0.475	2.0	337.3	O K
960 min Winter	4.471	0.471	2.0	334.7	O K
1440 min Winter	4.453	0.453	2.0	321.7	O K
2160 min Winter	4.423	0.423	2.0	300.5	O K
2880 min Winter	4.398	0.398	2.0	282.7	O K
4320 min Winter	4.354	0.354	2.0	251.7	O K
5760 min Winter	4.317	0.317	1.9	225.2	O K
7200 min Winter	4.285	0.285	1.9	202.7	O K
8640 min Winter	4.258	0.258	1.9	183.0	O K
10080 min Winter	4.233	0.233	1.9	165.7	O K
Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Time-Peak (mins)		
30 min Winter	96.880	0.0	33		
60 min Winter	61.880	0.0	64		
120 min Winter	36.470	0.0	122		
180 min Winter	26.599	0.0	180		
240 min Winter	21.175	0.0	240		
360 min Winter	15.237	0.0	356		
480 min Winter	12.017	0.0	474		
600 min Winter	9.983	0.0	590		
720 min Winter	8.575	0.0	702		
960 min Winter	6.743	0.0	926		
1440 min Winter	4.824	0.0	1356		
2160 min Winter	3.467	0.0	1684		
2880 min Winter	2.759	0.0	2136		
4320 min Winter	2.030	0.0	3064		
5760 min Winter	1.652	0.0	3920		
7200 min Winter	1.422	0.0	4760		
8640 min Winter	1.267	0.0	5616		
10080 min Winter	1.155	0.0	6360		
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JNP Group		Page 3
3rd Floor, Marlborough House 48 Holly Walk Leamington Spa CV32 4XP	Ford Market Overspill Car Park Cellular Soakaway	
Date 03/07/2019	Designed by AM	
File OVERSPILL CELLULAR SOAK...	Checked by IS	
Micro Drainage		Source Control 2018.1.1

Rainfall Details

Rainfall Model	FEH
Return Period (years)	100
FEH Rainfall Version	2013
Site Location	GB 500450 103100 TQ 00450 03100
Data Type	Catchment
Summer Storms	Yes
Winter Storms	Yes
Cv (Summer)	0.750
Cv (Winter)	0.840
Shortest Storm (mins)	15
Longest Storm (mins)	10080
Climate Change %	+40

Time Area Diagram

Total Area (ha) 0.472

	Time (mins)	Area
From:	To:	(ha)
	0	4 0.472

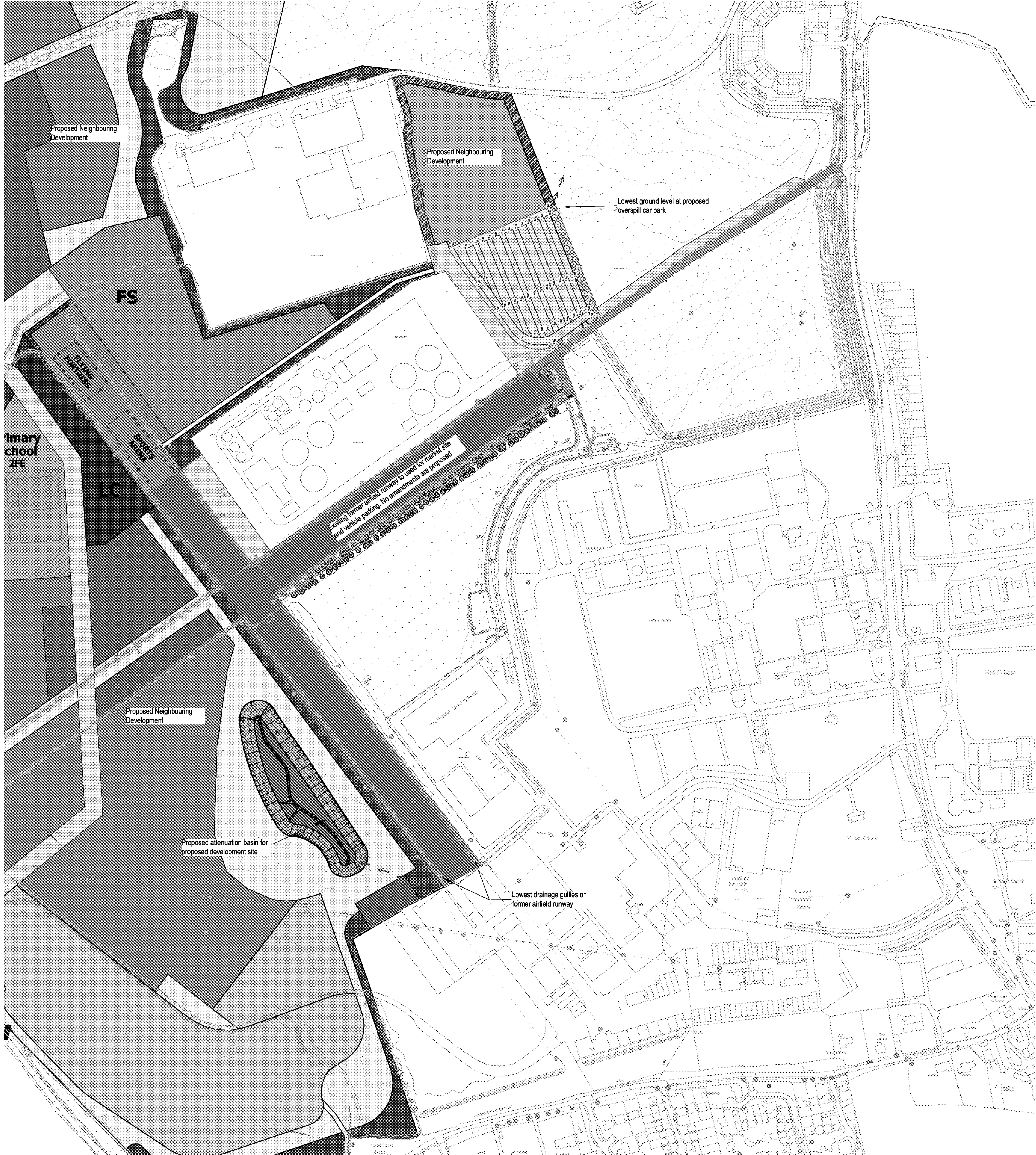
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JNP Group		Page 4																		
3rd Floor, Marlborough House 48 Holly Walk Leamington Spa CV32 4XP	Ford Market Overspill Car Park Cellular Soakaway																			
Date 03/07/2019	Designed by AM																			
File OVERSPILL CELLULAR SOAK...	Checked by IS																			
Micro Drainage		Source Control 2018.1.1																		
<u>Model Details</u> Storage is Online Cover Level (m) 6.200 <u>Cellular Storage Structure</u> Invert Level (m) 4.000 Safety Factor 2.0 Infiltration Coefficient Base (m/hr) 0.01700 Porosity 0.95 Infiltration Coefficient Side (m/hr) 0.01700 <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Depth (m)</th> <th>Area (m²)</th> <th>Inf. Area (m²)</th> <th>Depth (m)</th> <th>Area (m²)</th> <th>Inf. Area (m²)</th> </tr> </thead> <tbody> <tr> <td>0.000</td> <td>747.5</td> <td>747.5</td> <td>0.700</td> <td>0.0</td> <td>893.3</td> </tr> <tr> <td>0.600</td> <td>747.5</td> <td>893.3</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			Depth (m)	Area (m ²)	Inf. Area (m ²)	Depth (m)	Area (m ²)	Inf. Area (m ²)	0.000	747.5	747.5	0.700	0.0	893.3	0.600	747.5	893.3			
Depth (m)	Area (m ²)	Inf. Area (m ²)	Depth (m)	Area (m ²)	Inf. Area (m ²)															
0.000	747.5	747.5	0.700	0.0	893.3															
0.600	747.5	893.3																		
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Appendix E

Flood Exceedance Flood Routing Plan





- Notes:-
- Where this drawing has been issued in electronic .dwg format it has been done so in good faith. jnpgroup do not take any responsibility for any inaccuracies in the electronic data, which should be checked against the paper (or .pdf) drawing issue. Any apparent discrepancies should be immediately reported to jnpgroup. The electronic .dwg file should not be assumed to be to scale and should not be used for 'overlying', setting out or checking of any third party information. All dimensions should be taken from the paper (or .pdf) version of the drawing. Electronic drawings may contain third party information, jnpgroup take no responsibility for this information, which should be checked against the originators paper drawing(s).
 - All working dimensions to be checked on site.
 - Do not scale.
 - Any discrepancies between drawings of different scales, and between drawings and specification where appropriate to be notified to The Engineer for decision.
 - Copyright reserved. This drawing may only be used for The Client and location specified in the title block. It may not be copied or disclosed to any third party without the prior written consent of jnpgroup.
 - This drawing should only be used for construction if the drawing status is "Construction". jnpgroup take no responsibility for construction works undertaken to drawings which are not marked with this status.

Health and Safety Note:
The details on this drawing have been prepared on the assumption that a competent contractor will be carrying out the works. If the contractor(s) considers that there is insufficient Health and Safety information on this drawing, this should immediately be brought to the attention of the designer.

Legend

Site Boundary

Route of proposed flood exceedance

Legend - GIS data provided by Arun District Council (ADC) on 8 March 2019

- Surface water sewer
- Ordinary watercourse
- Watercourse
- Ordinary watercourse culverted

Rev.	Date	Amendment	By	Chk.
A	24.10.19	Market land use plan updated	IS	AM
Status				
Indicative				

Wates REDROW HOMES

REDROW HOMES Wates

john newton & partners

jnpgroup

Consulting Engineers

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Client	Wates Redrow
Job	Ford Airfield Market
Title	Flood Exceedance Route

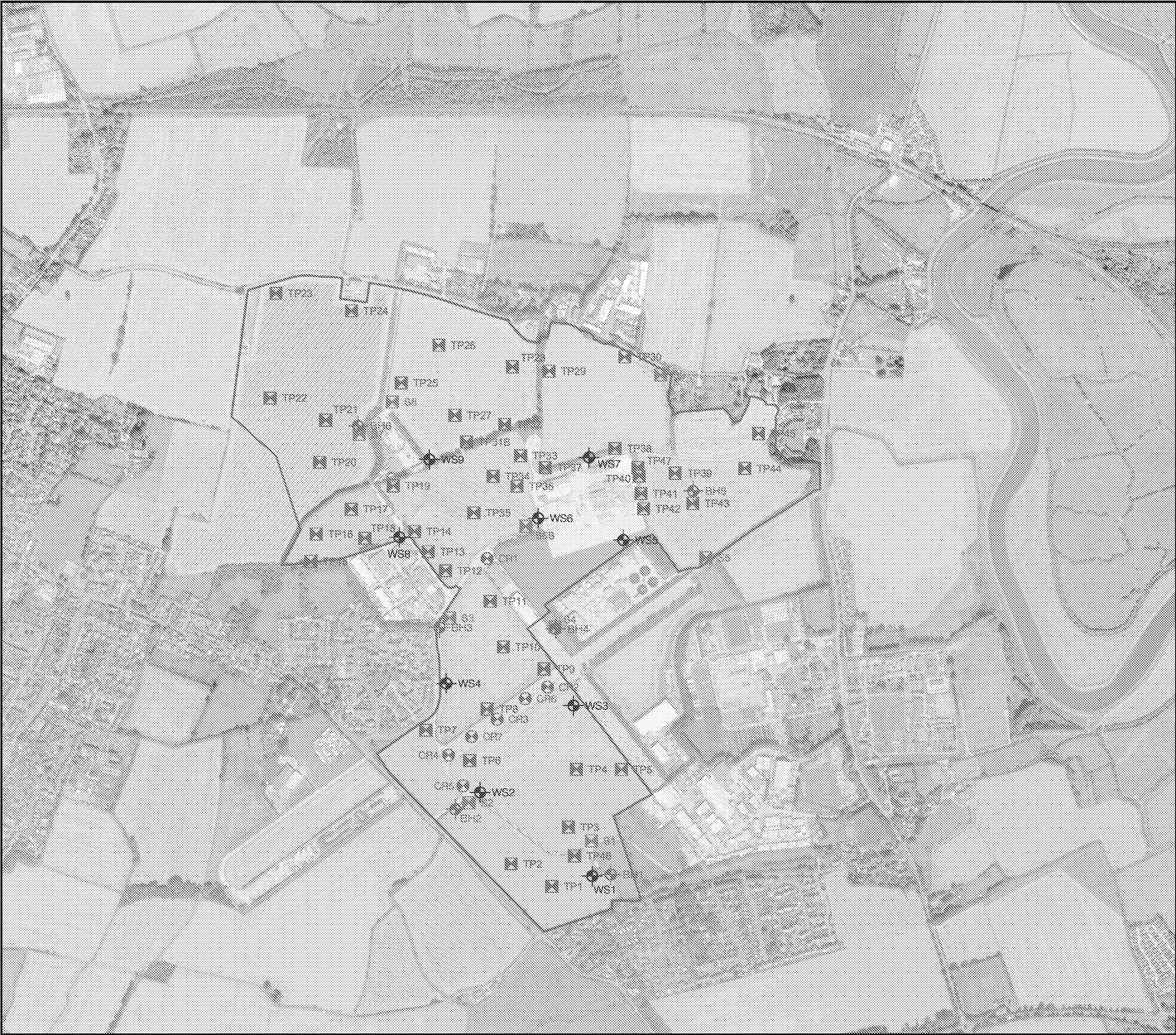
Scale	1:2500	@ A1	Date	June 2019
Drawn by	AM	Checked by		Approved by
BMTRADA	UKAS	Constructionline		

Drawing No.	C85228-SK146	Rev.	A
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Appendix F

Groundwater Monitoring and Infiltration Test Results





LEGEND

Site Boundary

Cable Percussion Borehole Location

Window Sample Location

Trial Pit Location

Infiltration Test Location

Coring of Runway

Rev.

Date

Amendment

Drawn

Chkd.

Appd.

RSK

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Client

REDROW HOMES LIMITED AND
WATES DEVELOPMENT LIMITED

Project Title

FORD AIRFIELD

Drawing Title

EXPLORATORY HOLE
LOCATION PLAN

Drawn

Date

Checked

Date

Approved

Date

AP

19.10.18

AT

19.10.18

AT

19.10.18

Scale

Orig Size

Dimensions

1:10000

A3

m

Project No.

Drawing File

29228 - R01(00)

29228 - (R01-00) Fig 4.dwg

Drawing No.

Rev.

FIGURE 4

P1

Scale 1 : 10,000

0 100 200 300 400 500m

ARUN DISTRICT COUNCIL F/5/20/PL

					Round 1	Round 2	Round 3	Round 4	Round 5	Round 6	Round 7	Round 8	Round 9	Round 10	Round 11	Round 12	Round 13	Round 14	Round 15	Round 1
Point ID	Easting	Northing	Borehole TOC off set	Height GL m AOD	29/08/2018 GW Level mbgl	5/09/2018 GW Level mbgl	13/09/2018 GW Level mbgl	12/10/2018 GW Level mbgl	14/11/18 GW level m bgl	12/12/2018 GW level (m bgl)	16/01/2019 GW level (m bgl)	13/02/2019 GW level (m bgl)	18/03/2019 GW level (m bgl)	10/04/2019 GW Level (m bgl)	9/05/2019 GW Level (m bgl)	13/06/2019 GW Level (m bgl)	17/10/2019 GW Level (m bgl)	13 and 14/11/2019 GW levels (mbgl)	16 to 19/12/2019 GW levels (mbgl)	29/08/2018 GW Level m AOD
WS1	499454.42	102344.7	0.732	4.8	1.73	1.88	1.93	1.92	1.55	0.71	0.63	0.15	0.3	0.82	1.242	1.609	Damaged	Damaged	Damaged	3.07
WS2	499153.6	102569.2	0.74	6.109														Dry	1.22	
WS4	499063.19	102861.5	0.78	6.379								2.04	2.37				Damaged	Damaged	Damaged	
BH1	499503.97	102349.1	0	5.151	2.15	2.29	2.37	2.41	2.11	1.46	1.18	0.78	0.97	1.25	1.613	1.94	2.28	1.45	0.8	3.001
BH2	499087.64	102524.2	0.722	6.289	3.13	3.26	3.31	3.36	3.16	2.42	2.03	1.34	1.88	2.22	2.645	2.981	3.263	2.023	0.893	3.159
BH3	499044.6	103011.7	0.682	7.106	4.22	4.42	4.57	4.62	4.4	3.81	3.46	3.11	3.34	3.65	4.065	4.221	4.075	3.535	2.272	2.888
BH4	499356.36	103008.1	0.622	6.571	4.592	4.74	4.95	4.95	4.53	4.1	3.84	3.59	3.77	4.04	3.151	4.445	4.25	4.02	3.03	1.979
BH5	499724.9	103377.8	0.672	5.657	4.78	4.85	4.81	4.86	4.64	4.32	4.33	4.11	4.31	4.47	4.744	4.764	4.545	4.29	3.9	0.877
BH6	498826.64	103552.1	0.706	6.841	5.37	5.41	5.52	5.48	5.35	4.93	4.55	4.56	4.66	4.56	5.139	5.259	5.04	4.37	3.804	1.473

Ford Airfield Groundwater Monitoring Results
August 2018 to December 2019 - Page 1 of 2
RSK

Round 2	Round 3	Round 4	Round 5	Round 6	Round 7	Round 8	Round 9	Round 10	Round 11	Round 12	Round 13	Round 14	Round 15
5/09/2018 GW Level AOD	13/09/2018 GW Level m AOD	12/10/2018 GW Level m AOD	14/11/2018 GW Level m AOD	12/12/2018 GW Level m AOD	16/01/2019 GW Level m AOD	13/02/2019 GW Level m AOD	18/03/2019 GW Level m AOD	10/04/2019 (GW Level m AOD)	10/05/2019 (GW Level m AOD)	13/06/2019 GW Level (m AOD)	17/10/2019 GW Level (m AOD)	13 and 14/11/2019 GW levels (mAOD)	16 to 19/12/2019 GW levels (mAOD)
2.92	2.87	2.88	3.25	4.09	4.17	4.65	4.5	3.98	3.558	3.191	Damaged	Damaged	Damaged
												Dry	4.889
						4.339	4.009				Damaged	Damaged	Damaged
2.861	2.781	2.741	3.041	3.691	3.971	4.371	4.181	3.901	3.538	3.211	2.871	3.701	4.351
3.029	2.979	2.929	3.129	3.869	4.259	4.949	4.409	4.069	3.644	3.308	3.026	4.266	5.396
2.686	2.536	2.486	2.706	3.296	3.646	3.996	3.766	3.456	3.041	2.885	3.031	3.571	4.834
1.831	1.621	1.621	2.041	2.471	2.731	2.981	2.801	2.531	3.42	2.126	2.321	2.551	3.541
0.807	0.847	0.797	1.017	1.337	1.327	1.547	1.347	1.187	0.913	0.893	1.112	1.367	1.757
1.431	1.321	1.361	1.491	1.911	2.291	2.281	2.181	2.281	1.702	1.582	1.801	2.471	3.037

Ford Airfield Groundwater Monitoring Results
August 2018 to December 2019 - Page 2 of 2
RSK

Ford Airfield Groundwater Monitoring Results September 2019 to January 2020 - Page 1 of 2 RSK						Groundwater levels 13th Sept 19 m TOC	Groundwater levels 13th Sept 19 m bgl	Groundwater levels 13th September 19 m AOD	Groundwater levels 17th and 18th Oct 19 m TOC	Groundwater levels 17th and 18th October 19 m bgl	Groundwater levels 17th and 18th October 19 m AOD	Groundwater levels 13th and 14th November (m bgl)	Groundwater levels 13th and 14th November (m AOD)	Groundwater levels 2nd December (m bgl)	Groundwater levels 2nd December (m AOD)	Groundwater levels 16th to 19th December (m bgl)	Groundwater levels 16th to 19th December (m AOD)	Groundwater levels 13th to 14th January (m bgl)	Groundwater levels 13th to 14th January (m AOD)	Groundwater levels 28th to 29th January (m bgl)	Groundwater levels 28th to 29th January (m AOD)	Depth to base (m bgl)
Point ID	Easting	Northing	Elevation m AOD	Bohorehole TOC raised above GL (m)	Height of TOC m AOD																	
WS1	499454.415	102344.689	4.8	0.732	5.532	Well damaged			Well damaged			Well damaged		Well damaged		Well damaged		Well damaged				
WS2	499153.6	102569.2	6.42	0.74	7.16	Not measured			Dry			Dry		1.603	4.814	1.220	5.200	1.600	4.820	1.470	4.950	3.320
WS3	499036.068	102645.377	6.958	0.745	7.703	Not measured			Not measured			Not measured		Dry		Dry		Dry	Dry	1.170	5.788	1.350
WS4	499063.191	102861.482	6.379	0.78	7.159	Not measured			Well damaged			Well damaged						Well damaged			6.379	
WS5	499537.8	103246	6.84	0.748					Dry			Dry				Dry	Dry	Dry	Dry	Dry	Dry	3.520
WS6	499309.3	103304.6	6.55	0.65					Dry			Dry				Dry	Dry	Dry	Dry	Dry	Dry	2.400
WS7	499445.9	103467.4	6.91	0.618					Dry			Dry				Dry	Dry	Dry	Dry	Dry	Dry	3.080
WS8	498937.5	103253.8	7.24	0.738					Dry			Dry		Dry		2.694	4.546	Dry	Dry	Dry	Dry	2.737
WS9	499017.7	103462.3	7.3	0.728	8.028	Not measured			2.94	2.212	5.088	Dry		Dry		2.657	4.643	Dry	Dry	Dry	Dry	2.712
WS10	498885.9	103879.5	6.66	0.62	7.28				Dry			Dry				Dry	Dry	Dry	Dry	Dry	Dry	
BH1	499503.968	102349.079	5.151	0	5.151	Not measured			2.28	2.28	2.871	1.45	3.701	0.780	4.371	0.800	4.351	0.580	4.571	0.560	4.591	7.700
BH2	499087.638	102524.176	6.289	0.722	7.011	Not measured			3.99	3.268	3.021	2.028	4.261	1.302	4.987	0.893	5.396	1.340	4.949	1.210	5.079	11.180
BH3	499044.6	103011.724	7.106	0.652	7.758	Not measured			4.75	4.098	3.008	3.558	3.548	3.920	3.186	2.272	4.834	2.445	4.661	2.375	4.731	10.100
BH4	499356.359	103008.104	6.571	0.622	7.193	Not measured			4.83	4.208	2.363	3.978	2.593			3.030	3.541	2.885	3.686	2.920	3.651	10.470
BH5	499724.902	103377.821	5.657	0.672	6.329	Not measured			5.275	4.603	1.054	4.348	1.309			3.900	1.757	3.840	1.817	3.870	1.787	9.210
BH6	498826.639	103552.057	6.841	0.706	7.547	Not measured			5.83	5.124	1.717	4.454	2.387	4.138	2.703	3.804	3.037	3.960	2.881	3.900	2.941	9.550
P1	498912.858	103853.287	7.02	0.571	7.591	Dry			Dry			Dry				1.844	5.176	Dry	Dry	Dry	Dry	
P2	499060.969	103771.731	7.107	0.47	7.577	Dry			Dry			Dry				1.403	5.704	Dry	Dry	Dry	Dry	
P3	499227.455	103819.483	6.677	0.43	7.107	Dry			1.285	0.855	5.822	0.98	5.697			1.393	5.284	1.500	5.177	1.040	5.637	1.900
P4	499453.265	103769.766	4.35	0.378	4.728	Dry			Dry							Dry	Dry	Dry	Dry	Dry	Dry	1.880
P5	498876.406	103613.003	6.689	0.618	7.307	Dry			1.2	0.582	6.107	0.612	6.077	1.160	5.529	0.147	6.542	1.582	5.107	Dry	Dry	1.830
P6	498929.842	103581.363	7.066	0.57	7.636	Dry			0.91	0.34	6.726	0.41	6.656	0.900	6.166	0.295	6.771	0.650	6.416	0.640	6.426	1.720
P7	499247.323	103549.598	6.552	0.465	7.017	Dry			1.695	1.23	5.322	1.645	4.907	Dry		1.830	4.722	1.800	4.752	Dry	Dry	1.850
P8	498820.979	103370.248	9.146	0.595	9.741	Dry			2.375	1.78	7.366	Dry		Dry		Dry	Dry	1.730	7.416	Dry	Dry	1.780
P9	498864.704	103307.612	7.291	0.665	7.956	Dry			Dry			Dry		Dry		Dry	Dry	Dry	Dry	Dry	Dry	1.770
P10	499018.532	103431.981	7.829	0.57	8.399	Dry			Dry			1.63	6.199	1.550	6.279	1.390	6.439	1.470	6.359	1.480	6.349	1.880
P11	499137.82	103484.109	7.134	0.57	7.704	Dry			Dry			Dry				Dry	Dry	Dry	Dry	Dry	Dry	1.757
P12	499097.564	103173.218	7.531	0.47	8.001	Dry			1.845	1.375	6.156	1.38	6.151	1.720	5.811	1.040	6.491	Dry	Dry	1.370	6.161	1.870
P13	499117.293	103105.762	7.629	0.63	8.259	Dry			Dry			Dry				Water at b	Dry	1.670	5.959	1.770	5.859	1.740
P14	499038.738	102737.452	6.285	0.58	6.865	Dry			Dry			Dry				0.920	5.365	1.195	5.090	1.050	5.235	1.790
P15	499264.234	102855.179	6.707	0.54	7.247	Dry			Dry			Dry				Dry	Dry	Dry	Dry	Dry	Dry	
P16	499036.327	102645.412	7.023	0.6	7.623	Dry			1.7	1.1	5.923	0.74	6.583	1.120	5.903	0.420	6.603	0.870	6.153	0.550	6.473	1.840
P17	499086.328	102626.704	6.815	0.505	7.32	Dry			Dry			Dry		1.270	5.545	0.960	5.855	1.470	5.345	1.330	5.485	1.930
P18	499199.79	102698.273	7.025	0.57	7.595	Dry			Dry			Dry				1.445	5.580	1.710	5.315	1.680	5.345	1.840
P19	499132.992	102523.489	6.414	0.62	7.034	Dry			Dry			Dry		0.780	5.634	0.300	6.114	0.900	5.514	0.730	5.684	1.750
P20	499253.393	102487.265	6.571	0.636	7.207	Dry			Dry			Dry		0.725	5.846	0.344	6.227	0.910	5.661	0.770	5.801	1.900
P21	499448.215	102587.013	6.297	0.53	6.827	Dry			Dry			Dry		Dry		1.830	4.467	1.930	4.367	1.930	4.367	1.960
P22	499324.093	102407.602	6.007	0.62	6.627	Dry			Dry			1.43	4.577	1.280	4.727	1.060	4.947	1.250	4.757	1.190	4.817	1.840
P23	499347.87	102414.171	5.697	0.61	6.307	Dry			Dry			1.25	4.447	0.920	4.777	0.620	5.077	0.880	4.817	0.830	4.867	1.820
P24	499498.503	102431.669	5.986	0.57	6.556	Dry			Dry			Dry		1.280	4.706	1.040	4.946	Dry	Dry	1.340	4.646	1.930
P25	499658.63	103459.154	5.977	0.531	6.508	Dry			Dry			Dry				Dry	Dry	1.380	4.597	Dry	Dry	1.850
P26	499640.529	103280.068	6.866	0.502	7.368	Dry			Dry			Dry				1.615	5.251	1.790	5.076	Dry	Dry	1.845

DS3Z	499330.21	103764.436	3.797	0.27	4.067											1.785	2.012	1.990	1.807	1.990	1.807	3.560
DS11Z	499285.03	103440.599	6.912	0.33	7.242											3.970	2.942	4.010	2.902	4.040	2.872	5.005
DS5Z	498886.855	103724.244	7.181	0.252												4.618	2.563	4.750	2.431	4.790	2.391	4.983
DS6Z	498926.701	103601.706	7.032	0.312												3.863	3.169	4.140	2.892	4.160	2.872	5.053
DS7Z	499308.109	103585.387	6.068	0.35												3.557	2.511	3.690	2.378	3.690	2.378	4.935
DS8Z	498686.191	103262.496	7.768	0.29												3.005	4.763	3.240	4.528	3.280	4.488	4.68
DS9Z	498816.624	103221.936	7.742	0.26												3.045	4.697	3.210	4.532	3.220	4.522	5.005
DS12Z	498962.937	103277.462	7.388	0.34												2.925	4.463	2.960	4.428	3.020	4.368	4.74
DS13Z	499150.724	103163.813	7.79	0.2												3.070	4.720	3.480	4.310	3.430	4.360	4.69
DS14Z	499107.709	102805.781	7.164	0.315												1.440	5.724	2.240	4.924	2.160	5.004	4.67
DS16Z	498979.871	102735.714	6.631	0.335												1.020	5.611	1.390	5.241	1.310	5.321	4.47
DS22Z	499216.557	102488.889	6.662	0.305												0.580	6.082	1.260	5.402	1.120	5.542	3.62
DS23Z	499516.034	102468.851	5.875	0.362												0.923	4.952	1.525	4.350	1.430	4.445	3.798
DS26Z	499698.477	103212.071	7.093	0.3												4.780	2.313	4.770	2.323	-	-	4.975

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