

Issued by: Hydrock Consultants Limited
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Date: 17th September 2014

Issue Number:	2	Name	Signature
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Issue number	Date	Revision Details	Issued to
1	17/09/14	Final	Quod

ARUN DISTRICT COUNCIL BE/42/19/DRES

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This report has been prepared by Hydrock Consultants Limited (Hydrock) on behalf of our client Bericote Properties Ltd to discharge the drainage related planning conditions for the Distribution Centre scheme at Oldlands Farm, Bognor Regis.

The planning conditions below (5) are related to drainage sign off for Planning Approval Notice BE/73/14/PL from Arun District Council:

Prior to Commencement of Development or phase of development details of the proposed surface water drainage scheme have been submitted to and approved in writing by the Local Planning Authority.

The design should follow the hierarchy of preference for different types of surface water drainage disposal systems as set out in Approved Document H of the Building Regulations, the recommendations of the SUDS Manual produced by CIRIA.

Winter groundwater monitoring to establish highest annual ground water levels and Percolation testing to BRE 365, or similar approved, will be required to support the design of any Infiltration drainage. No building shall be occupied until the complete surface water drainage system serving the property has been implemented in accordance with the agreed details.

Reason: To ensure that the proposed development is satisfactorily drained in accordance with policies GEN7 and GEN9 of the Arun District Council Local Plan.

The Development shall be carried out in accordance with the surface water drainage strategy as set out in the approved Flood Risk Assessment prepared (R/14443/001) which is based on sustainable drainage principles and provides an assessment of the hydrological and hydrogeological context of the development. In accordance with the details within the FRA, the development must ensure that surface water run-off generated up to and including the 1 in 30 year and 1 in 100 year for climate change critical storm will not exceed the run-off from the undeveloped site following the corresponding rainfall event (as stated within the approved FRA (R/14443/001)); and pollution prevention measures as set out in the approved FRA are implemented.

Prior to First Occupation the complete surface water drainage system serving the phase within which that Building is situated has been implemented in accordance with the agreed details (which may be revised from time to time with the written approval of the Planning Authority).

Prior to First Occupation provision shall been made within the site in accordance with plans and details to be submitted to and approved by the Local Planning Authority to prevent surface water draining onto the public highway.

Reason: To prevent an increased risk of flooding, both on and off site and to prevent development from contributing to or being put at unacceptable risk from, or being adversely affected by unacceptable levels water pollution in accordance with the NPPF.

APPENDIX A – HYDROCK DRAWINGS

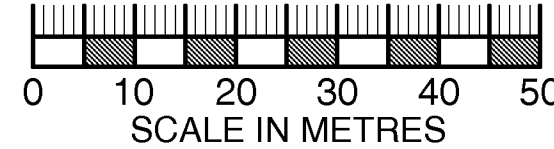
CONTENTS	
Identifier	Name
Hydrock	Drawing No. C14443/215

Notes:

- This drawing is to be read in conjunction with all relevant drawings, specifications and documentation.
- The position, size and levels of all drains are to be confirmed on site prior to the commencement of the works and any discrepancies reported immediately to the Engineer.
- Do not scale from this drawing, work to dimensions or co-ordinates provided. All levels are in metres and all dimensions are in millimetres, unless otherwise noted.
- The contractor shall allow for the protection, temporary and permanent support and diversion works as necessary, to all existing services to the satisfaction of the public utilities.
- The contractor shall allow for dealing with surface water run-off into excavations and from groundwater by means of sumps, pumping and de-watering as appropriate, in order to keep the excavation as reasonably dry as possible during the construction of the works.
- All private drainage within the site is to comply with the requirements of BSEN752 and Building Regulations Part H.
- Concrete protection to pipework is to be provided as follows:
 - All pipework within pedestrian/soft areas with less than 600mm cover.
 - All pipework subject to vehicular overrun with less than 1.2m cover.
 - All pipework within manholes are to be laid soffit to soffit (U.N.O.). All chamber invert levels are for the outgoing pipe levels. Backdrop pipework shall be connected at soffit to soffit with the rodding access level specified.
- Any gradients of drains indicated are indicative only and the Contractor shall install the drains to the specified levels shown for each manhole (U.N.O.). Catchpit invert levels are for the outgoing pipe with the sump level specified separately.
- Co-ordinate setting out information for manholes is to the intersection the drains and not the centre of the manhole.
- Cover levels of the manholes are provisional and subject to adjustment on site to suit the finished ground levels. All external works construction areas to be as located by the architect.
- Manhole covers and frames are to be in accordance with BSEN124 and the following:
 - Vehicular Areas: Class D400 (£600 in service yard locations), double triangular, 150mm deep ductile iron cover and frame with three point cover seating, badged RW or SW for Foul or Surface Water drainage.
 - Pedestrian Areas: Class B125, 100mm deep, badged FW or SW for Foul or Surface Water drainage.
 - Double seal manhole covers and frames are to be used on internal foul water drainage chambers. Finish to be confirmed by Architect.
 - Heavy duty cover slabs are to be used within vehicular trafficked areas.
- Gully gratings and steel channel covers are to be in accordance with BSEN124 as follows:
 - Areas subject to vehicular overrun: Class D400 minimum, £600 in service yard locations.
 - Areas not subject to regular vehicle overrun (adjacent to kerbs etc): Class C250.
- Gully gratings adjacent to kerbs shall be hinged on the side of the traffic direction (left hand side).
- Positions and sizes of above ground foul and surface water drainage connections are to be confirmed prior to construction with the Architect and M&E Engineer.

- Drainage channels are to be ACO Omix, ACO Multidrain as specified or similar approved. Type and size of channel is to be approved by the Engineer in writing prior to ordering.
- All brickwork in connection with drainage is to be solid Class B Engineering Brick to BS3921.
- All precast concrete pipes, chamber products and road gullies shall be to BS5911 and be Kitemarked.
- Design chemical class for all insitu and precast concrete products shall be as stated in geotechnical report.
- All separators shall be in accordance with the Environment Agency document PP33.
- All below ground plastic tanks shall be installed in accordance with the manufacturers instructions. They shall be provided with sufficient concrete surround to counter floatation and shall have a wall thickness adequate to resist the highest ground water level which could be encountered at their location.
- All existing drainage structures to be abandoned shall be broken out and removed from site, the excavation shall be backfilled with a suitable granular material to the required level. Alternatively, deep drains may be cleaned and grouted with a 1:10 cementitious grout, with structures broken down 1m below finished ground level and backfilled with a suitable granular material.
- Where utility/land drainage trenches etc cross over drainage trenches, the contractor shall construct an impermeable barrier to prevent groundwater infiltrating into the drainage trench.
- Upon completion of the works the contractor shall clean all drainage by jetting, removing all debris from site, no debris shall be permitted to enter the existing drainage system.
- All works are assumed to be within public highway or within land owners lands & no works are required on third party land owners property.
- All RWP, gully and channel connections to be 150mm dia U.N.O. and WPC to be 100mm dia. All are roddable at locations above ground level.
- Design assumes that no water authority sewers or other drainage systems require modification, diversion or abandoning.
- Backfill to all drainage trenches to be Class F1 material.
- All works within the public highway to be reinstated to highway authority requirements.
- Unless otherwise agreed all outfalls to ponds and watercourses to be proprietary PCC Units. Headwall details to be approved by local Internal Drainage Board where applicable.
- Pensobes where indicated shall be electronically operated complete with power supply and connection (refer to service engineers drawings for cable and ducting etc.)
- Synphonic break chambers (i.e. with SRWP entering) to be constructed with vented manhole covers, (waterway 2000 or similar approved)
- No deep rooting trees/vegetation should be planted within 5.0m of any drainage works.
- All WPC's, SRWP's and RWP's are shown indicatively. Locations shall be confirmed by others.
- All manholes less than 1.5m deep are considered as none man entry and shall be maintained from ground level.
- All sprinkler drain locations and flow rates to be confirmed by specialist. Potential local storage manholes for sprinkler discharge are to be confirmed following definition of system requirements.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION
IN ADDITION TO THE HAZARDOUS RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORKS OR TASKS ON THIS DRAWING, NOTE THE FOLLOWING:
CONSTRUCTION
MAINTENANCE / CLEANING
DECOMMISSIONING / DEMOLITION
IT IS REMINDED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING, WHERE APPROPRIATE, TO AN APPROVED METHOD STATEMENT



Notes:

- All dimensions are to be checked on site before the commencement of works. Any discrepancies are to be reported to the Architect & Engineer for verification. Figure dimensions only are to be taken from this drawing.
- This drawing is to be read in conjunction with all relevant Engineer and Service Engineer drawings and specifications.

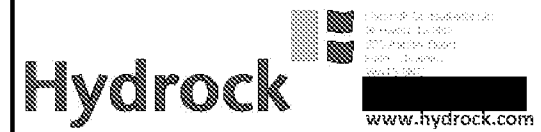
SURFACE WATER DRAINAGE STRATEGY

Surface water generated from the development site shall be discharge to the surrounding ditch network with an overall peak rate of 32l/s, which correlates with the respective Qbar Greenfield Runoff Rate as agreed with the EA and the Lead Local Flood Authority.

KEY:	
	Proposed syphonic pipe (designed by specialist)
	300mmØ Proposed SW Drainage
	300mmØ Proposed Highway Drainage
	ACO Omix Proposed channel Drain
	150mmØ Proposed Foul Drainage
	Site Boundary
	Proprietary sumped catchpit

T2	18.09.14	General amendments to layout	PG	ME
T1	22.08.14	ISSUED FOR TENDER	RB	JH
Rev	Date	Description	By	Ctd

MICHAEL SPARKS ASSOCIATES



MICHAEL SPARKS ASSOCIATES

OLDLANDS FARM,
BOGNOR REGIS.

PROPOSED DRAINAGE
LAYOUT

TENDER

Hydrock Ref No:		C14443		
RMB	PMA	1:500	04.08.14	22.08.14
Drawing No:	215			T2

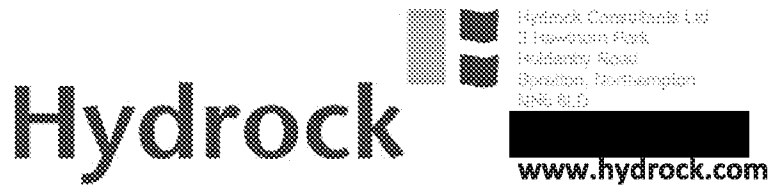
CONTENTS	
Identifier	Name
Hydrock	Soakaway Location Plan and Test Results (from main SI)



- Notes:
1. All dimensions are to be checked on site before the commencement of works. Any discrepancies are to be reported to the Architect & Engineer for verification. Figured dimensions only are to be taken from this drawing.
 2. This drawing is to be read in conjunction with all relevant Engineers' and Service Engineers' drawings and specifications.

- TP TRIAL PIT
- TP TRIAL PIT SOAKAWAY
- BH BOREHOLE
- CPT STATIC CONE PENETRATION TEST
- BH MONITORING WELL
- EXTENT OF RAISED MARINE DEPOSITS
- BACKFILLED FORMER PONDS
- PROPOSED BUILDINGS
- EXISTING GAS MAIN
- LOCATION OF WELL

Rev	Date	Description	By	Ckd
Architect				
Client				
Project Title				
Drawing Title				
Engineering Status				
Hydrock Job No				
Drawn	Checked	Scale @ A1	Date	Issue Date
AB	CV	1:1500	23/05/14	23/05/14
Drawing Number				Revision
14459/D006				-



OLDLANDS FARM
BOGNOR REGIS

Site Zonation Plan

INFORMATION

C/14459

BRE BR365 - Trial Pit Soakaway Data Sheet

Site: C14459- Oldlands Farm

Client: Bericote

Test Location

TP40

Date of start of testing

04/06/2014

Date at end of testing

04/06/2014

[illegible]

Note: Groundwater table taken as base of pit for infiltration rate calculation.

BRE BR365 - Trial Pit Soakaway Data Sheet

Site: C14459- Oldlands Farm

Client: Bericote

Test Location

TP34

Date of start of testing

04/06/2014

Date at end of testing

04/06/2014

[illegible]

Note: Groundwater table taken as base of pit for infiltration rate calculation.

BRE BR365 - Trial Pit Soakaway Data Sheet

Site: C14459- Oldlands Farm

Client: Bericote

Test Location	TP26A	Date of start of testing	04/06/2014	Date at end of testing	04/06/2014
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[illegible]

Note: Groundwater table taken as base of pit for infiltration rate calculation.

BRE BR365 - Trial Pit Soakaway Data Sheet

Site: C14459- Oldlands Farm

Client: Bericote

Test Location	TP15	Date of start of testing	04/06/2014	Date at end of testing	04/06/2014
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[illegible]

Note: Groundwater table taken as base of pit for infiltration rate calculation.

BRE BR365 - Trial Pit Soakaway Data Sheet

Site: C14459- Oldlands Farm

Client: Bericote

Test Location	TP17	Date of start of testing	04/06/2014	Date at end of testing	04/06/2014
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[illegible]

Note: Groundwater table taken as base of pit for infiltration rate calculation.



APPENDIX C – HYDROCK HYDRAULIC CALCULATIONS

CONTENTS	
Identifier	Name
Hydrock	Micro Drainage Calculations

		Page 2								
	Rolls-Royce Motor Cars Li... Oldlands Farm - BR Main SW Network									
Date 9th Sept 2014	Designed by Paul G									
File Main Site 15.09.14.mdx	Checked by									
Micro Drainage	Network 2013.1.1									
Network Design Table for Storm										
PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	HYD SECT	DIA (mm)	
1.003	62.000	0.103	601.9	0.968	0.00	0.0	0.600	o	750	
1.004	42.000	0.071	591.5	0.000	0.00	0.0	0.600	o	750	
4.000	56.000	0.187	299.5	0.469	0.00	0.0	0.600	o	300	
4.001	59.000	0.148	400.0	0.958	0.00	0.0	0.600	o	525	
4.002	28.000	0.070	400.0	0.000	0.00	0.0	0.600	o	525	
1.005	9.000	0.045	200.0	0.100	0.00	0.0	0.600	o	225	
1.006	6.000	0.030	200.0	0.000	0.00	0.0	0.600	o	225	
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)
1.003	0.00	8.43	0.574	3.615	0.0	0.0	0.0	1.13	500.7	0.0
1.004	0.00	9.05	0.471	3.615	0.0	0.0	0.0	1.14	505.1	0.0
4.000	0.00	7.03	1.350	0.469	0.0	0.0	0.0	0.90	63.9	0.0
4.001	0.00	7.92	0.938	1.427	0.0	0.0	0.0	1.11	241.1	0.0
4.002	0.00	8.34	0.791	1.427	0.0	0.0	0.0	1.11	241.1	0.0
1.005	0.00	9.21	0.300	5.142	0.0	0.0	0.0	0.92	36.6	0.0
1.006	0.00	9.32	0.255	5.142	0.0	0.0	0.0	0.92	36.6	0.0
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				Rolls-Royce Motor Cars Li...			Page 3		
				Oldlands Farm - BR					
				Main SW Network					
Date 9th Sept 2014				Designed by Paul G					
File Main Site 15.09.14.mdx				Checked by					
Micro Drainage				Network 2013.1.1					
<u>PIPELINE SCHEDULES for Storm</u>									
<u>Upstream Manhole</u>									
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	450	Channel	2.550	1.450	0.650	Open Manhole		400
2.000	o	375	Channel	2.550	1.450	0.725	Open Manhole		400
1.001	o	525	S1	3.240	1.184	1.531	Open Manhole		1500
3.000	o	450	S2	2.900	1.100	1.350	Open Manhole		1500
1.002	o	675	S3	3.240	0.721	1.844	Open Manhole		1800
1.003	o	750	S4	2.820	0.574	1.496	Open Manhole		1800
1.004	o	750	S5	2.780	0.471	1.559	Open Manhole		1800
4.000	o	300	S6	2.850	1.350	1.200	Open Manhole		1500
4.001	o	525	S7	2.900	0.938	1.437	Open Manhole		1500
4.002	o	525	S8	2.800	0.791	1.485	Open Manhole		1500
1.005	o	225	Pond	2.400	0.300	1.875	Open Manhole		300
1.006	o	225	S9 Hydro	2.400	0.255	1.920	Open Manhole		1500
<u>Downstream Manhole</u>									
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	29.000	250.0	S1	3.240	1.334	1.456	Open Manhole		1500
2.000	22.000	189.7	S1	3.240	1.334	1.531	Open Manhole		1500
1.001	45.000	350.0	S3	3.240	1.055	1.660	Open Manhole		1800
3.000	54.000	350.6	S3	3.240	0.946	1.844	Open Manhole		1800
1.002	36.000	500.0	S4	2.820	0.649	1.496	Open Manhole		1800
1.003	62.000	601.9	S5	2.780	0.471	1.559	Open Manhole		1800
1.004	42.000	591.5	Pond	2.400	0.400	1.250	Open Manhole		300
4.000	56.000	299.5	S7	2.900	1.163	1.437	Open Manhole		1500
4.001	59.000	400.0	S8	2.800	0.791	1.485	Open Manhole		1500
4.002	28.000	400.0	Pond	2.400	0.721	1.155	Open Manhole		300
1.005	9.000	200.0	S9 Hydro	2.400	0.255	1.920	Open Manhole		1500
1.006	6.000	200.0		2.400	0.225	1.950	Open Manhole		0
<u>Free Flowing Outfall Details for Storm</u>									
Outfall Pipe Number	Outfall Name	C. Level (m)	I. Level (m)	Min I. Level (m)	D,L (mm)	W (mm)			
1.006		2.400	0.225	0.300	0	0			
©1982-2013 Micro Drainage Ltd									

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	Rolls-Royce Motor Cars Li... Oldlands Farm - BR Main SW Network																																																																									
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Micro Drainage	Network 2013.1.1																																																																									
<u>Online Controls for Storm</u> <u>Hydro-Brake® Manhole: S9 Hydro, DS/PN: 1.006, Volume (m³): 4.1</u> Design Head (m) 2.000 Hydro-Brake® Type Md4 Invert Level (m) 0.255 Design Flow (l/s) 27.0 Diameter (mm) 156 <table border="1"> <thead> <tr> <th>Depth (m)</th> <th>Flow (l/s)</th> <th>Depth (m)</th> <th>Flow (l/s)</th> <th>Depth (m)</th> <th>Flow (l/s)</th> <th>Depth (m)</th> <th>Flow (l/s)</th> </tr> </thead> <tbody> <tr><td>0.100</td><td>3.9</td><td>1.200</td><td>20.8</td><td>3.000</td><td>32.8</td><td>7.000</td><td>50.2</td></tr> <tr><td>0.200</td><td>13.3</td><td>1.400</td><td>22.4</td><td>3.500</td><td>35.5</td><td>7.500</td><td>51.9</td></tr> <tr><td>0.300</td><td>18.9</td><td>1.600</td><td>24.0</td><td>4.000</td><td>37.9</td><td>8.000</td><td>53.6</td></tr> <tr><td>0.400</td><td>18.2</td><td>1.800</td><td>25.4</td><td>4.500</td><td>40.2</td><td>8.500</td><td>55.3</td></tr> <tr><td>0.500</td><td>16.3</td><td>2.000</td><td>26.8</td><td>5.000</td><td>42.4</td><td>9.000</td><td>56.9</td></tr> <tr><td>0.600</td><td>15.8</td><td>2.200</td><td>28.1</td><td>5.500</td><td>44.5</td><td>9.500</td><td>58.5</td></tr> <tr><td>0.800</td><td>17.1</td><td>2.400</td><td>29.4</td><td>6.000</td><td>46.5</td><td></td><td></td></tr> <tr><td>1.000</td><td>19.0</td><td>2.600</td><td>30.6</td><td>6.500</td><td>48.3</td><td></td><td></td></tr> </tbody> </table>			Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	0.100	3.9	1.200	20.8	3.000	32.8	7.000	50.2	0.200	13.3	1.400	22.4	3.500	35.5	7.500	51.9	0.300	18.9	1.600	24.0	4.000	37.9	8.000	53.6	0.400	18.2	1.800	25.4	4.500	40.2	8.500	55.3	0.500	16.3	2.000	26.8	5.000	42.4	9.000	56.9	0.600	15.8	2.200	28.1	5.500	44.5	9.500	58.5	0.800	17.1	2.400	29.4	6.000	46.5			1.000	19.0	2.600	30.6	6.500	48.3		
Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)																																																																			
0.100	3.9	1.200	20.8	3.000	32.8	7.000	50.2																																																																			
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1.000	19.0	2.600	30.6	6.500	48.3																																																																					
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Storage Structures for Storm							
Tank or Pond Manhole: Pond, DS/PN: 1.005							
Invert Level (m) 0.300							
Depth (m)	Area (m ²)	Depth (m)	Area (m ²)	Depth (m)	Area (m ²)	Depth (m)	Area (m ²)
0.000	675.0	2.800	0.9	5.600	0.9	8.400	0.9
0.400	904.0	3.200	0.9	6.000	0.9	8.800	0.9
0.800	1162.0	3.600	0.9	6.400	0.9	9.200	0.9
1.200	1444.0	4.000	0.9	6.800	0.9	9.600	0.9
1.600	1742.0	4.400	0.9	7.200	0.9	10.000	0.9
2.000	2049.0	4.800	0.9	7.600	0.9		
2.400	0.0	5.200	0.9	8.000	0.9		

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Rolls-Royce Motor Cars Li...
 Oldlands Farm - BR
 Main SW Network



Date 9th Sept 2014

Designed by Paul G

File Main Site 15.09.14.mdx

Checked by

Micro Drainage

Network 2013.1.1

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

		Water		Flooded		Pipe		
PN	US/MH Name	Level (m)	Surch'd Depth (m)	Volume (m ³)	Flow / Cap.	O'flow (l/s)	Flow (l/s)	Status
4.002	S8	1.118	-0.197	0.000	0.71	0.0	141.6	OK
1.005	Pond	1.021	0.496	0.000	0.64	0.0	19.1	SURCHARGED
1.006	S9 Hydro	1.007	0.527	0.000	0.68	0.0	18.8	SURCHARGED

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		Rolls-Royce Motor Cars Li... Oldlands Farm - BR Main SW Network							
Date 9th Sept 2014		Designed by Paul G							
File Main Site 15.09.14.mdx		Checked by							
Micro Drainage		Network 2013.1.1							
<u>30 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for Storm</u>									
		</							

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	Rolls-Royce Motor Cars Li... Oldlands Farm - BR Main SW Network																																														
Date 9th Sept 2014	Designed by Paul G																																														
File Main Site 15.09.14.mdx	Checked by																																														
Micro Drainage		Network 2013.1.1																																													
<u>100 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for Storm</u>																																															
	<table border="1"> <thead> <tr> <th></th> <th></th> <th>Water</th> <th></th> <th>Flooded</th> <th></th> <th>Pipe</th> <th></th> <th></th> </tr> <tr> <th>PN</th> <th>US/MH Name</th> <th>Level (m)</th> <th>Surch'd Depth (m)</th> <th>Volume (m³)</th> <th>Flow / Cap.</th> <th>O'flow (l/s)</th> <th>Flow (l/s)</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td>4.002</td> <td>S8</td> <td>2.374</td> <td>1.058</td> <td>0.000</td> <td>0.30</td> <td>0.0</td> <td>59.6</td> <td>SURCHARGED</td> </tr> <tr> <td>1.005</td> <td>Pond</td> <td>2.372</td> <td>1.847</td> <td>0.000</td> <td>0.93</td> <td>0.0</td> <td>27.7</td> <td>FLOOD RISK</td> </tr> <tr> <td>1.006</td> <td>S9 Hydro</td> <td>2.327</td> <td>1.847</td> <td>0.000</td> <td>0.96</td> <td>0.0</td> <td>26.7</td> <td>FLOOD RISK</td> </tr> </tbody> </table>			Water		Flooded		Pipe			PN	US/MH Name	Level (m)	Surch'd Depth (m)	Volume (m³)	Flow / Cap.	O'flow (l/s)	Flow (l/s)	Status	4.002	S8	2.374	1.058	0.000	0.30	0.0	59.6	SURCHARGED	1.005	Pond	2.372	1.847	0.000	0.93	0.0	27.7	FLOOD RISK	1.006	S9 Hydro	2.327	1.847	0.000	0.96	0.0	26.7	FLOOD RISK	
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