



1 to 23
Rockley View
Court

NOTE
SURFACE WATER DRAINAGE SHOWN DISCHARGE VIA
SOAKAWAYS. SOAKAWAY SIZES ARE INDICATIVE
SUBJECT TO INFILTRATION TESTING IN ACCORDANCE
WITH BRE 365. INFILTRATION TEST RESULTS TO BE
REVIEWED BY ENGINEER TO CONFIRM IF INFILTRATION
DRAINAGE TECHNIQUES ARE SUITABLE. SOAKAWAY
TO BE RESIZED TO SUIT INFILTRATION TEST RESULTS.

G30 Consulting Ltd

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General Notes

1. Do not scale this drawing.
2. All dimensions are in millimeters unless stated otherwise.
3. This drawing is to be read in conjunction with all other
relevant drawings & specifications.
4. All proprietary items to be installed in strict compliance with
manufacturers instructions and recommendations.
5. No works shall commence on site until approval has been
obtained from all relevant Agencies / Authorities.
6. All dimensions referred to in this drawing must be verified.

Key

- Site boundary
- Soakaway Exclusion Zone
- Combined water drainage - existing
- Combined water manhole - existing
- Foul water drainage - soil and vent pipes
- Foul water drainage - 300mm dia. Mini PPIC
- Foul water drainage - 450mm dia. PPIC
- Surface water drainage - rainwater downpipe
- Surface water drainage - rodding eye
- Surface water drainage - 450mm dia. PPIC
- Surface water drainage - gully
- Surface water drainage - channel drain
- Surface water drainage - cellular crate soakaway

Indicative cellular crate soakaway
accepting runoff from driveway and
roof. Size to be confirmed.

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Foul water drainage to discharge to Yorkshire
Water combined water sewer in private access
road. Connection to be made under a Section
106 Application.

Indicative cellular crate soakaway accepting
runoff from garages and private access
road. Size to be confirmed.

Foul Water Drainage Manhole Schedule												
Manhole Number	Cover Level (m)	Invert Level (m)	Major Pipe Diameter (mm)	Depth to Invert (m)	Manhole Type	Manhole Diameter (mm)	Manhole Cover		Pipe In		Pipe Out	
							Load Class	Size (mm) (l) x (w) x (d)	Invert Level (m)	Pipe Diameter (mm)	Invert Level (m)	Pipe Diameter (mm)
F1	138.000	137.400	100	0.600	PPIC	450	A15	4500 x 40	137.400	100	137.400	100
F2	138.000	137.294	100	0.706	PPIC	450	A15	4500 x 40	137.294	100	137.294	100
F2a	138.000	137.400	100	0.600	Mini PPIC	300	A15	3000 x 40	137.400	100	137.400	100
F2b	138.000	137.400	100	0.600	Mini PPIC	300	A15	3000 x 40	137.400	100	137.400	100
F3	138.000	137.400	100	0.600	PPIC	450	A15	4500 x 40	137.400	100	137.400	100
F4	138.000	137.217	100	0.783	PPIC	450	A15	4500 x 40	137.217	100	137.217	100
F4a	138.000	137.400	100	0.600	Mini PPIC	300	A15	3000 x 40	137.400	100	137.400	100
F4b	138.000	137.400	100	0.600	Mini PPIC	300	A15	3000 x 40	137.400	100	137.400	100
F5	138.000	137.400	100	0.600	PPIC	450	A15	4500 x 40	137.400	100	137.400	100
F6	138.000	137.139	100	0.861	PPIC	450	A15	4500 x 40	137.139	100	137.139	100
F6a	138.000	137.400	100	0.600	Mini PPIC	300	A15	3000 x 40	137.400	100	137.400	100
F6b	138.000	137.400	100	0.600	Mini PPIC	300	A15	3000 x 40	137.400	100	137.400	100
F7	138.000	137.400	100	0.600	PPIC	450	A15	4500 x 40	137.400	100	137.400	100
F8	138.000	137.090	100	0.910	PPIC	450	A15	4500 x 40	137.090	100	137.090	100
F8a	138.000	137.400	100	0.600	Mini PPIC	300	A15	3000 x 40	137.400	100	137.400	100
F8b	138.000	137.400	100	0.600	Mini PPIC	300	A15	3000 x 40	137.400	100	137.400	100
F9	138.000	136.964	100	1.036	PPIC	450	A15	4500 x 40	136.964	100	136.964	100
F9a	138.000	137.400	100	0.600	Mini PPIC	300	A15	3000 x 40	137.400	100	137.400	100
F10	138.000	137.400	100	0.600	PPIC	450	A15	4500 x 40	137.400	100	137.400	100
F11	138.000	136.965	100	1.035	PPIC	450	A15	4500 x 40	136.965	100	136.965	100
F12	138.000	136.779	100	1.221	PPIC	450	C250	4500x450x75	136.779	100	136.779	100
Ex. C	TBC	TBC	150	TBC	Existing	Existing	Existing	Existing	TBC	150	TBC	150

Surface Water Drainage Manhole Schedule												
Manhole Number	Cover Level (m)	Invert Level (m)	Major Pipe Diameter (mm)	Depth to Invert (m)	Manhole Type	Manhole Diameter (mm)	Manhole Cover		Pipe In		Pipe Out	
							Load Class	Size (mm) (l) x (w) x (d)	Invert Level (m)	Pipe Diameter (mm)	Invert Level (m)	Pipe Diameter (mm)
S1	137.500	137.050	100	0.450	PPIC	450	A15	4500 x 40	137.050	100	137.050	100
S2	138.100	136.615	100	1.285	RDGISTOR/Seperate Silt Trap	450	A15	4500 x 40	136.615	100	136.615	100
Soakaway	138.100	TBC	100	TBC	-	-	-	-	-	-	-	-
S3	137.500	137.050	100	0.450	PPIC	450	A15	4500 x 40	137.050	100	137.050	100
S4	138.100	136.615	100	1.285	RDGISTOR/Seperate Silt Trap	450	A15	4500 x 40	136.615	100	136.615	100
Soakaway	138.100	TBC	100	TBC	-	-	-	-	-	-	-	-
S5	137.500	137.050	100	0.450	PPIC	450	A15	4500 x 40	137.050	100	137.050	100
S6	138.100	136.615	100	1.285	RDGISTOR/Seperate Silt Trap	450	A15	4500 x 40	136.615	100	136.615	100
Soakaway	138.100	TBC	100	TBC	-	-	-	-	-	-	-	-
S7	137.500	137.050	100	0.450	PPIC	450	A15	4500 x 40	137.050	100	137.050	100
S8	138.100	136.615	100	1.285	RDGISTOR/Seperate Silt Trap	450	A15	4500 x 40	136.615	100	136.615	100
Soakaway	138.100	TBC	100	TBC	-	-	-	-	-	-	-	-
S9	137.500	137.050	100	0.450	PPIC	450	A15	4500 x 40	137.050	100	137.050	100
S10	138.100	136.615	100	1.285	RDGISTOR/Seperate Silt Trap	450	A15	4500 x 40	136.615	100	136.615	100
Soakaway	138.100	TBC	100	TBC	-	-	-	-	-	-	-	-
S11	138.500	137.700	100	0.800	PPIC	450	C250	4500x450x75	137.700	100	137.700	100
S12	137.750	136.950	100	0.800	PPIC	450	C250	4500x450x75	136.950	100	136.950	100
S13	137.250	136.450	100	0.800	PPIC	450	C250	4500x450x75	136.450	100	136.450	100
S14	136.750	135.950	100	0.800	RDGISTOR/Seperate Silt Trap	450	A15	4500 x 40	135.950	100	135.950	100
Soakaway	136.750	TBC	100	TBC	-	-	-	-	-	-	-	-
S15	136.750	135.950	100	0.800	RDGISTOR/Seperate Silt Trap	450	A15	4500 x 40	135.950	100	135.950	100

Foul Water Drainage Pipe Line Schedule						
Pipe Reference	Upstream I.L.	Downstream I.L.	Pipe Diameter	Distance	Pipe Gradient (1 in x)	Pipe Material
F1 - F2	137.400	137.294	100	8.480	80.0	Plastic
F2 - F4	137.294	137.217	100	6.160	80.0	Plastic
F2a (F2 - F4)	137.400	137.272	100	1.170	9.1	Plastic
F2b (F2 - F4)	137.400	137.227	100	1.560	9.0	Plastic
F3 - F4	137.400	137.217	100	8.500	46.4	Plastic
F4 - F5	137.217	137.159	100	6.250	80.0	Plastic
F4a (F4 - F5)	137.400	137.166	100	1.270	6.2	Plastic
F4b (F4 - F5)	137.400	137.147	100	2.010	7.9	Plastic
F5 - F6	137.400	137.139	100	8.450	32.4	Plastic
F6 - F8	137.139	137.090	100	6.300	80.0	Plastic
F6a (F6 - F8)	137.400	137.117	100	1.240	4.4	Plastic
F6b (F6 - F8)	137.400	137.070	100	1.880	5.7	Plastic
F7 - F8	137.400	137.090	100	6.650	19.8	Plastic
F8 - F9	137.090	136.964	100	7.720	80.0	Plastic
F8a (F8 - F9)	137.400	136.965	100	0.850	2.0	Plastic
F9 - F11	136.964	136.865	100	7.860	80.0	Plastic
F9a (F9 - F11)	137.400	136.925	100	1.960	2.2	Plastic
F10 - F11	137.400	136.865	100	7.560	14.1	Plastic
F11 - F12	136.865	136.779	100	6.950	80.0	Plastic
F12 - Ex. C	136.779	TBC	100	15.900	TBC	Plastic

Surface Water Drainage Pipe Line Schedule						
Pipe Reference	Upstream I.L.	Downstream I.L.	Pipe Diameter	Distance	Pipe Gradient (1 in x)	Pipe Material
S1 - S2	137.050	136.615	100	23.330	99.3	Plastic
S2 - Soakaway	136.615	TBC	100	0.500	TBC	Plastic
S3 - S4	137.050	136.615	100	22.410	99.4	Plastic
S4 - Soakaway	136.615	TBC	100	0.500	TBC	Plastic
S5 - S6	137.050	136.615	100	21.480	91.4	Plastic
S6 - Soakaway	136.615	TBC	100	0.500	TBC	Plastic
S7 - S8	137.050	136.615	100	18.910	80.5	Plastic
S8 - Soakaway	136.615	TBC	100	0.500	TBC	Plastic
S9 - S10	137.050	136.615	100	20.460	87.1	Plastic
S10 - Soakaway	136.615	TBC	100	0.500	TBC	Plastic
S11 - S12	137.700	136.950	100	31.790	42.4	Plastic
S12 - S13	136.950	136.450	100	22.460	45.0	Plastic
S13 - S14	136.450	135.950	100	19.540	21.1	Plastic
S14 - Soakaway	135.950	TBC	100	0.760	TBC	Plastic
S15 - Soakaway	135.950	TBC	100	0.760	TBC	Plastic

P1	First Issue	02.03.2018
Revision	Description	Date

PRELIMINARY



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Project
Oak Tree Developments
Proposed Residential Development,
Burton Yard, Birdwell, Barnsley

Title
Proposed Foul and Surface Water
Drainage Layout Plan

Drawn by CB	Checked by SG	Paper Size A1
Drawing Number 06-0125-001	Revision P1	Scale 1:200 Date 02.03.2018