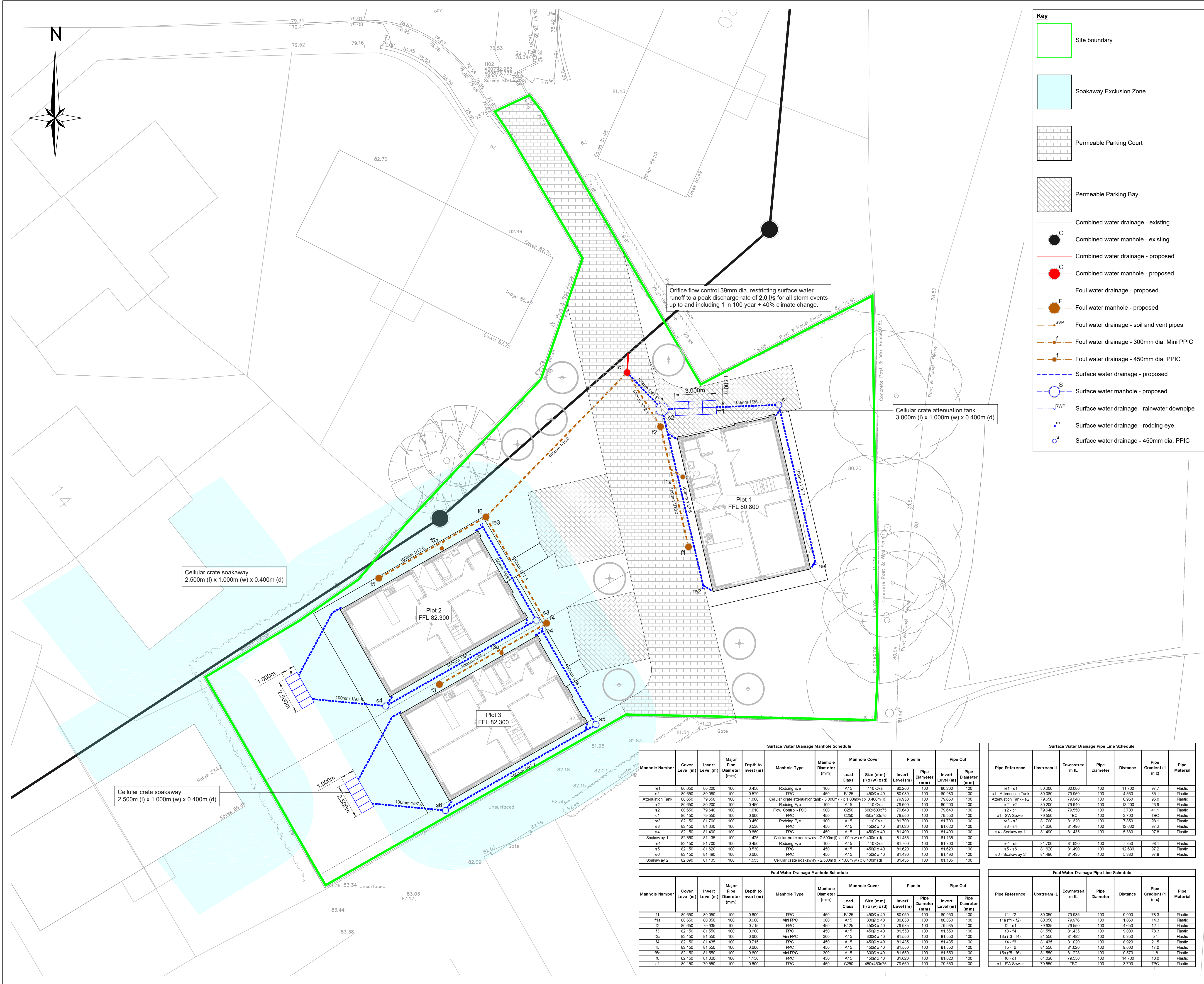




Key

Site boundary

Soakaway Exclusion Zone

Permeable Parking Court

Permeable Parking Bay

Combined water drainage - existing

Combined water manhole - existing

Combined water drainage - proposed

Combined water manhole - proposed

Foul water drainage - proposed

Foul water manhole - proposed

Foul water drainage - soil and vent pipes

Foul water drainage - 300mm dia. Mini PPIC

Foul water drainage - 450mm dia. PPIC

Surface water drainage - proposed

Surface water manhole - proposed

Surface water drainage - rainwater downpipe

Surface water drainage - rodding eye

Surface water drainage - 450mm dia. PPIC

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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.

Drainage Notes

- 1 - All works shall comply with Building Regulations Part H - Drainage and Waste Disposal.
- 2 - No works shall commence on site until approval has been obtained from all relevant Agencies / Authorities.
- 3 - Drain runs which are situated in trafficked and hard paved areas where cover is less than 1.2m are to be constructed with a Type Z bed and surround. Drain runs which are situated in trafficked areas where cover is greater than 1.2m and soft landscaped areas are to be constructed with a Type S bed and surround.
- 4 - All pipework is to be laid with level soffits unless otherwise stated.
- 5 - Manhole covers are to comply with BS EN 124. A15 are to be used in pedestrian, cyclist and landscaped areas. B125 are to be used in car parks, pedestrian footways and private drives. C250 are to be used for gullies to kerbside. D400 are to be used in public roads, hard shoulders and parking areas for all types of road vehicles.
- 6 - 100mm Ø surface water runs are to be laid at gradients of at least 1 in 100. 150mm Ø surface water runs are to be laid at gradients of at least 1 in 150.
- 7 - All rainwater downpipes to be roddable at base of stack.
- 8 - 100mm Ø foul water runs to be laid at gradients of at least 1 in 80. 150mm Ø foul water runs are to be laid at gradients of at least 1 in 150.
- 9 - Below ground drainage for sinks to be 100mm Ø at a minimum fall of 1:40. Drains serving less than 5 WC's to be 100mm Ø at a minimum fall of 1:80.

P1	First Issue	29.09.2017
Revision	Description	Date

PRELIMINARY

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Project
ABS Developments
Land Off Lynton Place,
Kexborough

Title
Drainage Layout Plan

Drawn by CB	Checked by SG	Paper Size A1
Drawing Number 06-0063-002	Revision P1	Scale 1:125 Date 29.09.2017

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 Load Class	Size (mm) (l) x (w) x (d)	Pipe In Invert Level (m)	Pipe Out Invert Level (m)
re1	80.650	80.200	100	0.450	Rodding Eye	100	A15	110 Oval	80.200	80.200
s1	80.650	80.080	100	0.570	PPIC	450	B125	450x40	80.080	80.080
s1'-Attenuation Tank	80.650	79.650	100	1.000	Cellular crate attenuation tank - 3.000m (l) x 1.000m (w) x 0.400m (d)	3000			79.650	79.650
re2	80.650	80.200	100	0.450	Rodding Eye	100	A15	110 Oval	80.200	80.200
s2	80.650	79.640	100	1.010	Flow Control - PFC	900	C250	600x600x75	79.640	79.640
c1	81.150	79.550	100	0.600	PPIC	450	C250	450x450x75	79.550	79.550
re3	82.150	81.700	100	0.450	Rodding Eye	100	A15	110 Oval	81.700	81.700
s3	82.150	81.620	100	0.530	PPIC	450	A15	450x40	81.620	81.620
s4	82.150	81.490	100	0.660	PPIC	450	A15	450x40	81.490	81.490
Soakaway 1	82.580	81.135	100	1.425	Cellular crate soakaway - 2.500m (l) x 1.000m (w) x 0.400m (d)	2500			81.435	81.135
re4	82.150	81.700	100	0.450	Rodding Eye	100	A15	110 Oval	81.700	81.700
s5	82.150	81.620	100	0.530	PPIC	450	A15	450x40	81.620	81.620
s5	82.150	81.490	100	0.660	PPIC	450	A15	450x40	81.490	81.490
Soakaway 2	82.690	81.135	100	1.555	Cellular crate soakaway - 2.500m (l) x 1.000m (w) x 0.400m (d)	2500			81.435	81.135

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 Load Class	Size (mm) (l) x (w) x (d)	Pipe In Invert Level (m)	Pipe Out Invert Level (m)
f1	80.650	80.050	100	0.600	PPIC	450	B125	450x40	80.050	80.050
f1a	80.650	80.050	100	0.600	Mini PPIC	300	A15	300x40	80.050	80.050
f2	80.650	79.935	100	0.715	PPIC	450	B125	450x40	79.935	79.935
f3	82.150	81.550	100	0.600	PPIC	450	A15	450x40	81.550	81.550
f3a	82.150	81.550	100	0.600	Mini PPIC	300	A15	300x40	81.550	81.550
f4	82.150	81.435	100	0.715	PPIC	450	A15	450x40	81.435	81.435
f5	82.150	81.550	100	0.600	PPIC	450	A15	450x40	81.550	81.550
f5a	82.150	81.550	100	0.600	Mini PPIC	300	A15	300x40	81.550	81.550
f6	82.150	81.020	100	1.130	PPIC	450	A15	450x40	81.020	81.020
c1	80.150	79.550	100	0.600	PPIC	450	C250	450x450x75	79.550	79.550

Surface Water Drainage Pipe Line Schedule						
Pipe Reference	Upstream IL	Downstream IL	Pipe Diameter	Distance	Pipe Gradient (1 in x)	Pipe Material
re1 - s1	80.200	80.080	100	11.730	97.7	Plastic
s1'-Attenuation Tank	80.080	79.650	100	4.360	95.1	Plastic
Attenuation Tank - s2	79.650	79.640	100	0.060	95.0	Plastic
re2 - s2	80.200	79.640	100	13.200	23.6	Plastic
s2 - c1	79.640	79.550	100	3.700	41.1	Plastic
c1 - SW Sewer	79.550	TBC	100	3.700	TBC	Plastic
re3 - s3	81.700	81.620	100	7.650	98.1	Plastic
s3 - s4	81.620	81.490	100	12.630	97.2	Plastic
s4 - Soakaway 1	81.490	81.435	100	5.380	97.8	Plastic

re4 - s5	81.700	81.620	100	7.650	98.1	Plastic
s5 - s6	81.620	81.490	100	12.630	97.2	Plastic
s6 - Soakaway 2	81.490	81.435	100	5.380	97.8	Plastic

Foul Water Drainage Pipe Line Schedule						
Pipe Reference	Upstream IL	Downstream IL	Pipe Diameter	Distance	Pipe Gradient (1 in x)	Pipe Material
f1 - f2	80.050	79.935	100	9.000	78.3	Plastic
f1a (f1 - f2)	80.050	79.976	100	1.060	14.3	Plastic
f2 - c1	79.935	79.550	100	4.650	12.1	Plastic
f3 - f4	81.550	81.435	100	6.000	78.3	Plastic
f3a (f3 - f4)	81.550	81.482	100	0.350	5.1	Plastic
f4 - f6	81.435	81.020	100	8.620	21.5	Plastic
f5 - f6	81.550	81.020	100	6.000	17.0	Plastic
f5a (f5 - f6)	81.550	81.228	100	0.570	1.8	Plastic
f6 - c1	81.020	79.550	100	14.730	10.0	Plastic
c1 - SW Sewer	79.550	TBC	100	3.700	TBC	Plastic