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Notes

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3. This drawing should be read in conjunction with all other relevant drawings and specifications.

Key:

- 150Ø @ 1:150 — FW Sewer (I/D & Gradient)
- 450Ø @ 1:300 — SW Drain (I/D & Gradient)
- Existing infrastructure FW Sewer
- Existing infrastructure SW Drain
- Existing infrastructure FW Manhole
- Existing infrastructure SW Manhole
- FW Manhole
- SW Manhole
- CP1 — Catchpit Manhole C/W 300mm Sump
- Penstock Isolation Valve Chamber
- Hydrobrake - Flow Control Chamber
- Kerb Drainage Channels
- FW Package Pumping Station
- Foul Rising Main
- Gatic Castslot Slot drain
- KO — Kerb Outfall Unit
- OB — Gatic Outfall Unit
- RWP — Rainwater Down Pipe
- SDP — Syphonic Primary Discharge
- Syphonic Secondary Discharge
- SDG — Sprinkler Discharge Gully
- G — Road Gully 150Ø Pipe to all gully connections
- Filter Drain
- Concrete encased pipes
- Drainage easement

SPEL Puraceptor FRS1 (Class 1 Full Retention) P250/1CSC accommodates area of 13,888m² Catchment area + Service Yard = 12,535m² Silt Capacity = 25,000 Litres Pipe in IL = 132.865 (600Ø) Pipe out IL = 132.765 (600Ø)

SPEL Puraceptor FRS2 (Class 1 Full Retention) P250/1CSC accommodates area of 13,888m² Catchment area + Service Yard = 13,540m² Silt Capacity = 25,000 Litres Pipe in IL = 132.530 (600Ø) Pipe out IL = 132.430 (600Ø)

SPEL Stormceptor BPS1 (Class 1 By Pass Separator) 210 C1/SC accommodates area of 5,556m² Catchment area = Car park = 4.605m² Silt capacity = 1000 Litres Pipe in IL = 134.115 (375Ø) Pipe out IL = 134.015 (375Ø)

SPEL Stormceptor BPS2 (Class 1 By Pass Separator) 210 C1/SC accommodates area of 5,556m² Catchment area = Car park = 4.605m² Silt capacity = 1000 Litres Pipe in IL = 132.965 (450Ø) Pipe out IL = 132.865 (450Ø)

Foul outfall chamber FC2 1200mmØ CL=130.275 IL=128.800

SN2 Thermoplastic Pipe 150mm 33.400m @ 1:30

Outfall manhole O2 3.2400mm chamber CL = 133.400 IL = 127.090

CSR Pipe 1050mm 59.408m @ 1:12

Demarcation chamber

S21 2700mm CL = 125.067 IL = 121.350

Siphonic outlet

High Level Siphonic Carrier Pipe for secondaries.

High Level Siphonic Carrier Pipe for primary.

Access box C/W end caps to split channel drain.

Plot 1/2 Toe drain

CP13 CL=136.650 IL=133.675

CP14 CL=136.000 IL=133.625

CP15 CL=134.750 IL=133.150

150Ø @ 1:50 Perforated Pipe

225Ø @ 1:50

Toe drain connected to existing drainage ditch CL=134.600 IL=133.980

Rev	Description	By	Ckd	Date
P01	First Issue	ST	MR	19.08.21

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Client: newlands developments

Project: Plot 2 Hoyland Common Barnsley

Title: Surface & Foul Water Drainage Layout

RPS Project Number	Scale @ A0	Date Created
NK020652	1:500	19/08/2021
Task Team Manager	**Information Author**	**Task Information Manager**
MH	ST	MR

Status: S0 (Suitable for Information)

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Revision: P01

Project Code - Originator - Zone - Level - Type - Role - Drawing Number

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