

Detention Basin
Top of Pond: 130.6mAOD
Top Water Level: 130.3mAOD
Base of Pond: 129.4mAOD
Freeboard: 300mm
Side Slopes: 1:3
Attenuation Volume: 1355m³
Pond has been sized to accommodate a 1 in 100 year storm event + a 40% allowance for climate change.

Suffi connection to Ø375mm culverted sewer subject to requisition with Severn Trent Water

Control Chamber Restricting flows to Q_{lim}
Flow Rate: 23.5 l/s
Design Head: 0.8m
Hydrobrake spec. SHE-0214-2350-0900-2350

Foul sewer outfall to existing STW manhole

Rising main outfall to F22

Creation of low point requires additional gully, which is to be drained internally. The existing gully connection into Kirby Road network is to remain.

Contributing area beyond tangent to be accommodated by the existing lane.

Adoptable Foul Water Pumping Station with 15m cordon sanitaire.

General Notes

- Drawing is not to be reproduced or printed at any scale or paper size other than the original scale.
- All dimensions in meters unless otherwise stated.
- Drawing to be read in conjunction with all other relevant Engineers, Architects and Specialist design drawings and details.
- Any discrepancies are to be highlighted to the engineer immediately.

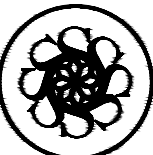
Key

- FFL 61.500 Proposed Slab Level
- Proposed S104 Surface Water Sewer
- Proposed S104 Foul Water Sewer
- Proposed S104 Easement

Revision	Description	Date	Drawn	Check
D	Drawing title updated, Hydrobrake spec added and angles of swale inlets changed.	01/10/26	JC	-
C	S278 drainage added.	06/08/26	JC	-
B	Revised layout added.	23/08/25	JC	-
A	Revised layout added.	25/06/25	JC	-

Planning

Status



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Arrangement

Drawn: JC Checked: BT Date: May 2025

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