



Note:
The proposed detention basin extents and drainage levels are subject to a 3D earthworks model to be conducted at detailed design stage.

Note:
Consultation with Severn Trent Water is required to determine the preferred foul connection strategy (either a gravity connection across third party land or pumped connection to Ashby Road).

Potential location for foul pumping station (if required). Foul connection strategy to be either gravity connection across third party land or pumped solution to Ashby Road.

SW flooding shown in driveways and footpath, not on Ashby Road carriageway.

Rising main to discharge to gravity sewer length before connection to existing sewer

Proposed new connection manhole on existing 225mm foul sewer

450mm dia. culvert (subject to LLFA approval)

Culvert Inlet
Top of bank- 120.81
IL - 120.27

Sediment forebay

Proposed surface water drainage outfall to existing ditch. Exact location of headwall to be determined at detailed design stage

ATTENUATION BASIN
Top of Bank Level- 119.20
Design Maximum Water Level - 118.90
Permanent water level - 118.20
Freeboard depth- 0.3m
Storage depth- 0.7m
Restricted Discharge - 16.1l/s
Approx. storage volume - 2070 m³

Indicative RL - 121.90

Culvert Outlet
Top of bank- 120.59
IL - 119.90

SW sewer
IL at culvert crossing -118.71

Conveyance swale

Note:
Ground levels in north east of development to be designed to achieve gravity discharge to conveyance swale. Minor ground level raising to be determined at detailed design stage.

primary street

connector street

court yard

ecology corridor

primary street

Note:
The proposed surface water drainage levels are indicative only and are subject to detailed design.

Note:
Ground levels in north east of development to be designed to achieve gravity discharge to detention basin. Minor ground level raising to be determined at detailed design stage.

This drawing references the data noted below

Data	Source	Reference	Rev.	Dated
Topographical survey	Phoenix Survey Services Ltd.	S3051	-	22.11.22
Mapping	RoFSW	-	-	-
Illustrative Layout	nineteen47	n2452_005	J	25.07.25

General Notes

- Do not scale this drawing. All dimensions must be checked/verified on site.
- This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
- All dimensions are in metres unless noted otherwise. All levels are in metres unless noted otherwise.
- Any discrepancies noted on site are to be reported to the engineer immediately.

Key

	Proposed surface water sewer
	Proposed surface water manhole
	Proposed culvert
	Proposed detention basin
	Existing minor watercourse
	Minor watercourse clear margins
	1 in 30 annual likelihood of surface water flooding
	1 in 100 annual likelihood of surface water flooding
	1 in 1000 annual likelihood of surface water flooding
	Proposed Foul Sewer
	Proposed Foul Manhole
	Proposed Foul Pumping Station and Rising Main

P10	05.08.25	Amended to updated illustrative layout	JT	RW
P09	19.05.25	Amended to updated illustrative layout and red line	JT	RW
P08	30.04.25	Amended to comments	JT	RW
P07	02.04.25	Amended to latest masterplan	JT	RW
P06	28.03.25	Updated to revised surface water mapping	JT	RW
P05	18.03.25	Amended to latest masterplan	JT	RW
P04	29.11.24	Foul network added	JT	RW
P03	01.11.24	Amended to latest masterplan	JT	RW
P02	15.10.24	Amended to comments	JT	RW
P01	08.10.24	First issue	JT	RW
Rev	Date	Description	Dr	Ch

Client:

Davidsons Developments Ltd.

Project:

Ashby Road, Hinckley

Title:

Preliminary Drainage Strategy



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Size:	A1	Scale:	1:1000
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Status:	PRELIMINARY
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Project	Originator	Volume	Level	Type	Role	Number	Status	Revision
3280	- ADC - HDG - XX - DR - CD - 0501	S1	P10					

Drainage Notes

- All adoptable surface and foul water drainage works to be carried out in accordance with 'Design and Construction guidance for Foul and Surface Water Sewers' and any specific requirements of the adopting authority/sewerage undertaker.
- All private drainage works are to be carried out in accordance with Building Regulations Part H, BS EN 752, the Civil Engineering Specification for the Water Industry.
- The exact position, level, line, size and use of existing drainage is to be confirmed on site. Any discrepancies to be reported to the engineer prior to the commencement of works.
- All temporary works associated with the construction of the drainage works shall be the responsibility of the contractor, including the protection of any uncovered/shallow pipework against construction traffic.
- The Contractor is responsible for obtaining and paying for all necessary permissions to enable construction of the works to be undertaken, including but not limited to licences for street works and connections to existing sewers. This includes Section 106 applications when connecting directly or indirectly to the public sewerage network (complete application to be made at least 3 weeks prior to the planned outfall construction works).
- All proposed chamber covers are to be marked permanently with 'SWS' (or equiv.) on surface water sewers and 'FWS' (or equiv.) on foul sewers. all covers to be in accordance with BS EN 124.
- Unless noted otherwise, all lateral connections are to be installed with level soffits to the diameters and gradients shown on the layout drawing. Any pipe bends should be provided to suit the direction of flow & no pipework should be downsloped in the direction of flow.
- Foul water 'pop up positions' are shown indicatively only, to be confirmed by the Architect / M&E contractor prior to commencement of works. Refer to Architect plans for setting out of internal foul pop up positions.
- All RWP's and SVP's to be fitted with roddable access plates. All foul drains to have roddable access.
- Above ground drainage details to be designed/confirmed by the Architect/M&E contractor, including ventilation of the foul drainage system.
- Proposed drainage passing through new foundations to be sleeved with cast-in oversized pipework.
- All specialist/proprietary products such as separators, attenuation tanks, channel drains, soakaways, package pumping station and water treatment units to be installed as per the manufacturer's installation details and specifications.
- All new drainage to be constructed adjacent to new and proposed tree planting to be adequately protected against root activity using root barriers in accordance with the manufacturer's recommendations.