Hinckley and Bosworth Community Hospital

121.6m

A447

ESS

MUGA

Managed Drive

ROAD 1

ROAD 2

ROAD 3

ROAD 4

ROAD 5

ROAD 6

ROAD 7

LEAP

Ashby Grange

Sum Farm

2674m²

NORMANDY WAY

FROBISHER CLOSE

Indicative storm stub to serve third party land. Details to be confirmed

Potential culvert location

Potential culvert location

Significant diversion of the existing watercourse is required. Watercourse should be maintained as an open channel to align with LLFA requirements and minimise the risk of objection.

N

NOTES

1. FOR ENGINEERING FEASIBILITY PURPOSES ONLY. NOT FOR CONSTRUCTION OR DETAILED DESIGN.
2. DIMENSIONS INDICATIVE. LEVELS IN METRES (M) DIMENSIONS IN MILLIMETRES (MM).
3. DO NOT SCALE FROM THIS DRAWING – USE FIGURED DIMENSIONS ONLY.
4. GROUND CONDITIONS, EXISTING SERVICES, AND UTILITIES TO BE VERIFIED ON SITE.
5. DESIGN BASED ON AVAILABLE SURVEY AND DESK STUDY INFORMATION. SUBJECT TO DETAILED DESIGN.
6. ALL WORKS TO COMPLY WITH RELEVANT HIGHWAY, WATER, AND ENVIRONMENTAL STANDARDS.
7. GROUND CONDITIONS, EXISTING SERVICES, AND UTILITIES TO BE VERIFIED ON SITE PRIOR TO DETAILED DESIGN.
8. DRAWING TO BE READ IN CONJUNCTION WITH FLOOD RISK ASSESSMENT HN2-BWB-ZZ-XX-RP-YE-0002_FRA_S2_P04.
9. DRAWING TO BE READ IN CONJUNCTION WITH SITE INVESTIGATION ASL REPORT NO. 092-24-087-10, NOVEMBER 2024.
10. DRAWING TO BE READ IN CONJUNCTION WITH UTILITIES ASSESSMENT REPORT HN2-BWB-ZZ-XX-RP-PMU-001_UAR JULY 2024
11. FOUL OUTFALL SUBJECT TO S106 APPROVAL AND CAPACITY CHECKS AS OUTLINED IN STW DEVELOPER ENQUIRY 1088230, JULY 2023.

KEY:

- SITE BOUNDARY
- ADOPTABLE SECTION 104 STORM SEWER AND MANHOLE
- ADOPTABLE SECTION 104 FOUL SEWER AND MANHOLE
- ADOPTABLE SECTION 104 FOUL RISING MAIN
- ADOPTABLE SECTION 104 HEADWALL OUTFALL HEADWALLS SUBJECT TO S23 CONSENT
- XX.XXX PROPOSED PLOT AND GARAGE FINISHED FLOOR LEVEL *(FLOOR LEVELS SUBJECT TO ±500 mm DEVIATION)*
- INDICATIVE BOX CULVERT *(DETAILS TO BE CONFIRMED DURING DETAILED DESIGN IN ACCORDANCE WITH HA STANDARDS)*
- DRAINAGE EASEMENT
- BASIN 1 CATCHMENT
- BASIN 2 CATCHMENT
- BASIN 3 CATCHMENT
- BASIN 4 CATCHMENT

6.3 Soakaway Testing

Soakaway permeability tests were completed at TP109, TP110, TP111, TP112, TP118 and TP119 on 30th September and 1st October 2024. None of the soakaway permeability tests recorded significant infiltration.

4.9 It is recommended that any proposed watercourse crossings are designed to clear span the channel with an appropriate freeboard (minimum 600mm) above the 1 in 100-year + 25%CC peak flood level to the soffit level of the structure.

Table 3.2: Existing & Proposed Runoff Rates

Return Period (Yr.)	Existing Runoff Rate (l/s ha)	Total Existing Runoff Rate (11.4ha) (l/s)	Proposed Discharge Rate (l/s)
1	3.6	41.0	50.2
QBAR	4.4	50.2	
30	8.6	98.0	
100	11.3	128.8	
100 + 40%		-	

Rev	Description	Initial	Date
A	Updated with latest planning layout (Phase 2 Composite Rev B) received 24.10.25	EN	30.10.25
B	Drainage stubs added to serve third party land.	EN	03.11.25

ENGINEERING_LAYOUT

HINCKLEY_PHASE_2

Drwg No.	H0997-100-02 Rev B		
Scale	1:500	Date	22.10.25
Drawn by	EN	Checked by	EN

NORTH MIDLANDS
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