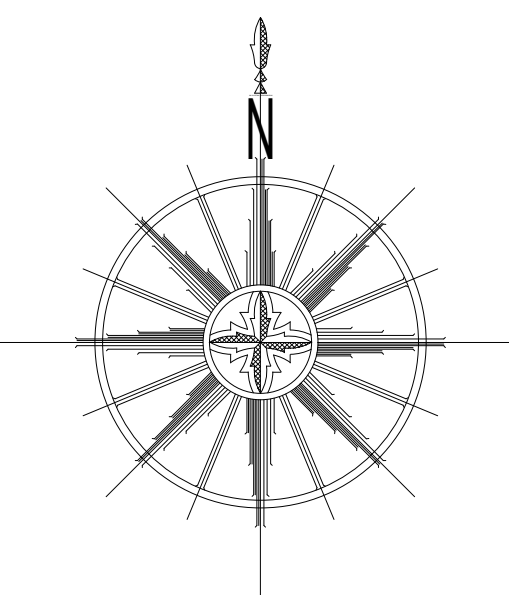




- NOTES
- FOR ENGINEERING FEASIBILITY PURPOSES ONLY. NOT FOR CONSTRUCTION OR DETAILED DESIGN.
 - DIMENSIONS INDICATIVE. LEVELS IN METRES (M) DIMENSIONS IN MILLIMETRES (MM).
 - DO NOT SCALE FROM THIS DRAWING - USE FIGURED DIMENSIONS ONLY.
 - GROUND CONDITIONS, EXISTING SERVICES, AND UTILITIES TO BE VERIFIED ON SITE.
 - DESIGN BASED ON AVAILABLE SURVEY AND DESK STUDY INFORMATION. SUBJECT TO DETAILED DESIGN.
 - ALL WORKS TO COMPLY WITH RELEVANT HIGHWAY, WATER, AND ENVIRONMENTAL STANDARDS.
 - GROUND CONDITIONS, EXISTING SERVICES, AND UTILITIES TO BE VERIFIED ON SITE PRIOR TO DETAILED DESIGN.
 - DRAWING TO BE READ IN CONJUNCTION WITH FLOOD RISK ASSESSMENT H42-BWB-ZZ-XX-RP-YE-0002_FRA_S2_P04.
 - DRAWING TO BE READ IN CONJUNCTION WITH SITE INVESTIGATION ASL REPORT NO. 092-24-087-10, NOVEMBER 2024.
 - DRAWING TO BE READ IN CONJUNCTION WITH FLOOD RISK ASSESSMENT H42-BWB-ZZ-XX-RP-YE-0002_FRA_S2_P04.
 - FLOOD OUTFALL SUBJECT TO S106 APPROVAL AND CAPACITY CHECKS AS OUTLINED IN STW DEVELOPER ENQUIRY 1088230, JULY 2023.

KEY:

- SITE BOUNDARY
- ADAPTABLE SECTION 104 STORM SEWER AND MANHOLE
- ADAPTABLE SECTION 104 FOUL SEWER AND MANHOLE
- ADAPTABLE SECTION 104 FOUL RISING MAIN
- ADAPTABLE SECTION 104 HEADWALL
- PROPOSED PLOT AND GARAGE FINISHED FLOOR LEVELS
- INDICATIVE BOX CULVERT
- DRAINAGE EASEMENT
- BASIN 1 CATCHMENT
- BASIN 2 CATCHMENT
- BASIN 3 CATCHMENT
- BASIN 4 CATCHMENT

Table 2.3: Subsoil Profile

Subsoil Profile (m)	Subsoil Type	Subsoil Description	Subsoil Depth (m)
0.00 - 0.50	Gravel	Gravel	0.50
0.50 - 1.00	Sand	Sand	1.00
1.00 - 1.50	Clay	Clay	1.50
1.50 - 2.00	Clay	Clay	2.00
2.00 - 2.50	Clay	Clay	2.50
2.50 - 3.00	Clay	Clay	3.00
3.00 - 3.50	Clay	Clay	3.50
3.50 - 4.00	Clay	Clay	4.00
4.00 - 4.50	Clay	Clay	4.50
4.50 - 5.00	Clay	Clay	5.00

Table 2.4: Subsoil Profile

Subsoil Profile (m)	Subsoil Type	Subsoil Description	Subsoil Depth (m)
0.00 - 0.50	Gravel	Gravel	0.50
0.50 - 1.00	Sand	Sand	1.00
1.00 - 1.50	Clay	Clay	1.50
1.50 - 2.00	Clay	Clay	2.00
2.00 - 2.50	Clay	Clay	2.50
2.50 - 3.00	Clay	Clay	3.00
3.00 - 3.50	Clay	Clay	3.50
3.50 - 4.00	Clay	Clay	4.00
4.00 - 4.50	Clay	Clay	4.50
4.50 - 5.00	Clay	Clay	5.00

Basin 1
Gross Ha - 1.400
Impermeable Ha - 0.910 (65%)
QBAR - 4.4 l/s/ha
Q = 7 l/s
Bank Slope 1:3
Bed Level - 106.50 (337m²)
Crest Level - 107.70 (687m²)

Insufficient room for drainage routing depending on undertaker

Road level elevated to provide adequate clearance between road formation and box culvert (600mm freeboard required to 100 yr + 22% CC levels)

Basin 2
Gross Ha - 2.357
Impermeable Ha - 1.525 (65%)
QBAR - 4.4 l/s/ha
Q = 10 l/s
Bank Slope 1:3
Bed Level - 106.90 (658m²)
Crest Level - 108.40 (1208m²)
Top water level 100+cc 108.22

Overhead lines to be diverted prior to works commencing

Basin 3
Gross Ha - 1.673
Impermeable Ha - 1.087 (65%)
QBAR - 4.4 l/s/ha
Q = 5 l/s
Bank Slope 1:3
Bed Level - 107.30 (595m²)
Crest Level - 108.50 (987m²)

Basin 4
Gross Ha - 7.237
Impermeable Ha - 4.622 (65%)
QBAR - 4.4 l/s/ha
Q = 29 l/s
Bank Slope 1:3
Bed Level - 108.00 (2528m²)
Crest Level - 109.20 (3245m²)

Foul outfall subject to verification of existing invert and downstream capacity check

Rev	Description	Initial	Date	Rev	Description	Initial	Date
A	Updated with latest planning layout (Phase 2 Composite Rev B) received 24.10.25	EN	30.10.25	D	Updated with latest planning layout (Phase 2 Composite Rev G) received 24.02.26, 1:15 removed	JW	10.03.26
B	Drainage slabs added to serve third party land	EN	03.11.25				
C	Updated to planning comments and latest planning layout (Phase 2 Composite Rev E) received 03.12.25	JW	05.02.26				

ENGINEERING LAYOUT

Dwg No: H0997-P100-01 Rev D
Scale: 1:500 Date: 22.10.25
Drawn by: EN Checked by: EN

NORTH MIDLANDS
Design & Technical Department
2 Horizon Phase, Nottingham Business Park
NOTTINGHAM NG2 6PY