CONNECTION INTO EXISTING YORKSHIRE WATER COMBINED SEWER SUBJECT TO A S106 WITH YORKSHIRE WATER

EX MH
CL 88.305
IL 85.905

EXISTING YORKSHIRE WATER COMBINED SEWER

FW MH
CL 88.500
IL 86.487

SW MH
CL 88.900
IL 88.000

FW MH
CL 88.950
IL 87.505

SW MH
CL 88.650
IL 88.000

FW MH
CL 88.300
IL 87.069

FW MH
CL 89.250
IL 87.640

SW MH
CL 88.950
IL 87.800

SW MH
CL 89.650
IL 87.500

FW MH
CL 89.700
IL 87.779

FW MH
CL 88.950
IL 88.280

SW MH
CL 85.650
IL 85.200

SW MH
CL 88.650
IL 88.000

FW MH
CL 89.000
IL 88.500

SW MH
CL 89.000
IL 88.500

FW MH
CL 88.950
IL 87.879

SW MH
CL 88.600
IL 87.732

FW MH
CL 89.000
IL 87.976

SW MH
CL 89.000
IL 85.200

PRIVATE PACKAGE PUMP
CL 86.300
IL 85.000

Cellular Storage
9.5mx5.0m depth = 38.000m³
To store for the
1 in 100 Year + 40% CC
CL 88.600
Bottom Of Tank 87.200

FW MH
CL 88.500
IL 88.000

SW MH
CL 88.500
IL 87.600

FW MH
CL 88.468
IL 88.000

SW MH
CL 88.500
IL 87.897

SW MH
CL 88.500
IL 87.925

SW MH
CL 88.450
IL 86.500

SW MH
CL 88.500
IL 88.000

Hydrobrake restricting storm water discharge rate to 1.0 l/sec for 1in100Yr + 40%
Product Code -
CTL-SHE-0049-1000-0800-1000
CL 88.700
IL 87.100

CONNECTION INTO CULVTERED WATERCOURSE SUBJECT TO IDB/LLFA CONSENT

EXISTING DITCH CULVERTED SUBJECT TO IDB/LLFA CONSENT

EXISTING CULVERT

5.93m 100Ø
11.57m 100Ø
5.66m 100Ø
13.78m 100Ø
10.79m 100Ø
21.22m 150Ø
2.82m 100Ø
6.42m 100Ø
11.07m 100Ø
4.04m 150Ø
13.78m 100Ø
4.16m 100Ø
RISING MAIN 3.27m
1.62m 225Ø
5.79m 100Ø
7.93m 100Ø
7.06m 100Ø
5.78m 100Ø
6.18m 100Ø
5.66m 100Ø
7.74m 100Ø
4.67m 100Ø
13.42m 100Ø
7.91m 100Ø
2.24m 100Ø
10.8m 100Ø
12.05m 100Ø
5.50m 100Ø

Drainage Strategy - Scale (1:150)

## Key

- Proposed Surface Water Drainage
- Proposed Foul Water Drainage
- Existing Sewer



1. Do not scale off this drawing
2. This Drawing is for planning purposes only and should not be used as a construction drawing

Status: PRELIMINARY

| No. | Revision | Date | Drwn |
|---|---|---|---|
| P1 | FIRST REVISION | 23.12.25 | JS |

RWP AND SVP/FOUL CONNECTIONS ARE SUBJECT TO FINAL CONFIRMATION BY ARCHITECT

Drainage Strategy

The site is located within flood zone 1 with a low risk of flooding from rivers or the sea and is less than 1 hectare, therefore a site specific flood risk assessment should not be required.

The existing site is a greenfield, we are proposing to discharge surface water at 1l/s to prevent blockages happening to the surface water system and reduce the risk of flooding.

NPPF guidelines require that surface water arising from a developed site should as far as practicable be managed in a sustainable manner to mimic the surface water flows arising from the site prior to development.

Surface Water:

Flow restriction 1.0/s will be achieved using a Hydrobrake.
Product Code - **CTL-SHE-0049-1000-0800-1000**

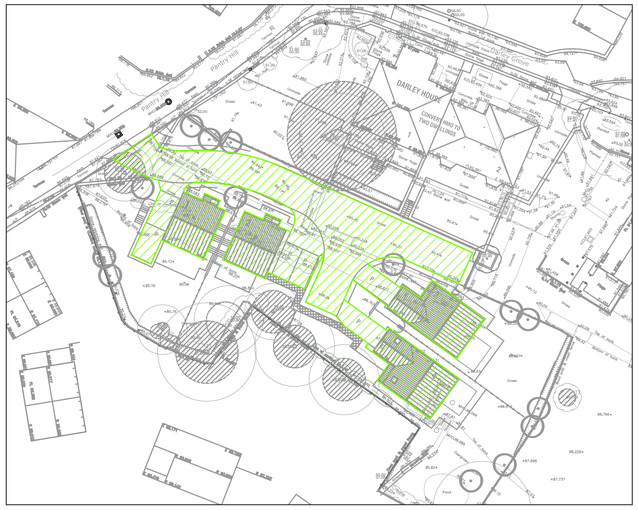
The proposed impermeable area is 750m$^2$ including 10% urban creep, please refer to impermeable area plan. Based on a flow restriction of 1.0l/s and modeling using Causeway Flow software the attenuation requirement for a peak return period of 1 in 100year plus 40% climate change is 38.00m$^3$.

Attenuation for the proposed impermeable area of 750m$^2$ to be provided via GEO-CELLULAR TANK, 9.5x5x0.8m DEEP = 38.00m$^3$.

Surface water from the proposed site will connect into the culverted watercourse on site, subject to IDB consent.

Foul Water:

Foul water from the proposed new site will connect into the existing Yorkshire Water combined water sewer, subject to an S106 agreement with Yorkshire Water.



Proposed Impermeable Area Plan - Scale (NTS)

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CLIENT: Darley Arts

PROJECT: Pantry Hill, Barnsley

DRAWING TITLE: Drainage Strategy

| Drawn | Chkd | Date | Scale |
|---|---|---|---|
| JS | AD | Dec 2025 | As Shown |

| Sheet Size | Drawing No. | Revision |
|---|---|---|
| A1 | 25903-DR-C-0100 | P1 |