



NOTES

ATTENTION IS DRAWN TO THE REQUIREMENTS OF THE CONSTRUCTION DESIGN AND MANAGEMENT REGULATIONS 2015 AND THE DUTIES AND RESPONSIBILITIES CONTAINED THEREIN

KEY

G

Gully

○

Storm Water Manhole

●

Foul Water Manhole

○

Storm Water Inspection Chamber

●

Foul Water Inspection Chamber

○

Rain Water Pipe

●

Foul Stack

Storm Water Sewer

- - -

Foul Water Sewer

=====

Combined Sewer

RE

Rodding Eye

CD

Channel Drain (min B125 grade cover)

YG

Yard Gully

(0.000)

Storm Water Invert Level

0.000

Foul Water Invert Level

General Notes

1.

This drawing is to be read in conjunction with all relevant ARP and Architects drawings and project specifications.

2.

All drainage works shall be carried out in accordance with the relevant parts of BS EN 752 'Drains and Sewer Systems Outside Buildings', the current Building Regulations and the Local Authority Building Control specifications and requirements.

3.

The location, size and depth of all existing drains/sewers and services shall be established by the contractor prior to commencement of works on site. Any discrepancies from the information indicated on these drawings shall immediately be brought to the attention of the engineers.

4.

All levels and dimensions shall be verified on site prior to commencement of any works. Any discrepancies shall immediately be brought to the attention of the engineers.

5.

All pipes shall be laid with soffits level. All manhole/inspection chamber invert levels shown are for the outlet pipe (unless specified otherwise). All pipe runs shall be laid to the levels indicated.

6.

All private foul and surface water pipes to be 100mm Ø unless stated otherwise.

7.

All connections to public sewers to be a minimum of 150mm Ø.

8.

All private manholes within drives to have B125 covers with concrete collar, all others to be A15.

9.

All private backdrop manholes to be 900mmØ PCC chambers unless stated otherwise.

10.

450mmØ chambers for depths greater than 1.2m, restricted access opening to 350mm is required for safety reasons.

11.

All RWP's & SVP's connections to be 100mm dia (unless specified otherwise by the Architect). Gully connections to be 150mm dia.

12.

All RWP's, SVP's and connections are shown indicatively or to the latest Architects drawings. Position of down pipes must be confirmed from Architects drawing before laying underground pipework. All down pipes should be provided with a roddable access point above the FFL.

13.

All private drainage laid within 1m from tree canopies and hedges to have concrete bed and surround.

14.

Filled ground or soft spots must be excavated, backfilled and consolidated before any drainage works are carried out.

15.

All excavations in areas of high water tables and granular materials with high sand/silt contents shall be wrapped with a suitable geotextile filter membrane to prevent migration of sands/silts. Full height clay stanks across trenches and/or at manhole locations at 25m intervals to restrict water movement along the excavation shall be provided.

16.

No water should be allowed to discharge from any private drives onto the adoptable highways. All private gullies and channel drainage positions shown may vary to suit on site working conditions.

17.

Do not scale from this drawing.

A

BHB

30.11.21

Amended to clients comments

RJ

RJ

/

BHB

16.11.21

Issued for approval

MI

MI

Rev

By

Date

Revision

Chk

Apvd.

ARP

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TITLE

PRIVATE DRAINAGE LAYOUT

PROJECT

REDBROOK MILL CLOSE
CAWBER

CLIENT

ARCHITECTURE 1B

DRAWING STATUS

PRELIMINARY

Scale

1:200 @ A1

Date

NOV 21

Drawn

BHB

Chk.

MI

Drg. No.

1487/04/05

Rev

A

SUBJECT TO THE
APPROVAL OF
ALL RELEVANT
AUTHORITIES

FLOW CONTROL DATA

MANUFACTURER	HYDRO INTERNATIONAL
TELEPHONE	01275 878371
TYPE	OPTIMUM
FLOW/HEAD	5.0 l/s @ 0.800m
HYDRO REF	SHE-0109-5000-0800-5000

To be installed in accordance with manufacturers specifications and recommendations before the manhole cover slab is installed

Proposed private attenuation tank – 23m³
Indicative tank size 6.0m x 5.0m x 0.8m depth
Attenuation has been designed based on the 1 in 100 year + 40% climate change drainage storm event. Attenuation size and final location subject to detail design.
CL: 77.16–76.85
IL: 74.20

Proposed flow control manhole with 5.0 l/s maximum discharge rate, subject to agreement with the regulatory authorities.
CL:76.82
IL:74.16
Discharge Rate 5.0l/s
Head 0.8m

Proposed Connection onto existing 900Ø Watercourse, subject to agreement with the regulatory authorities.
CL:75.95
Assumed IL:73.68

Proposed flow control manhole with 5.0 l/s maximum discharge rate, subject to agreement with the regulatory authorities.
CL:76.82
IL:74.16
Discharge Rate 5.0l/s
Head 0.8m