NOTE:

Rainwater garden to be connected to ditch via a proprietary headwall. Ditch will effectively treat and discharge run off in all occasions except during storm events when water will go into proposed drainage and attenuation tank.

The inlet kerbs are proposed to collect and channel all flows from small storm events into the raingardens upstream. Gullies in the main driveway connecting into the swale are proposed to collect all flows from small to medium storm events. The rest of the gullies leading into the storm network are only proposed to collect flows that bypass the first two systems in a huge storm event.

Drainage Legend:

- Site Boundary
- Existing Public Surface Water Sewer
- Existing Public Foul Water Sewer
- New Adoptable Surface Water Drainage
- New Private Surface Water Drainage
- Surface Water Pump
- Rodding Eye
- Surface Water Pump Rising Main
- Perforated Pipe
- New Private Foul Water Drainage
- Foul Water Demarcation Chamber
- Foul Water Pump
- Foul Water Pump Rising Main
- Cellular attenuation wrapped in an impermeable membrane
- Type C Permeable Paving
- Raingarden
- Swale
- Proprietary Swale Headwall
- Gully
- Inlet Kerb
- Water Butt
- Raised Storm Planter
- Flood Exceedence

SAFETY,HEALTH & ENVIRONMENTAL HAZARD INFORMATION BOX.

The hazards noted below are in addition to the normal hazards and risks faced by a competent contractor when dealing with the types of works detailed on this drawing.

CONSTRUCTION RISKS:
- Deep Trenches
- Unforeseen Services
- Leptospirosis

DEMOLITION RISKS:
- Leptospirosis

**Notes:**

1. DO NOT SCALE FROM THIS DRAWING.
2. All dimensions are in millimetres Unless Noted Otherwise (u.n.o.)
3. Drawing is to be read in conjunction with all relevant architect's drawings. Any inconsistencies should be reported to PRP immediately.
4. All levels and dimensions are to be checked on site before any work commences.
5. The Health and Safety at Work act is to be complied with at all times. Attention is drawn to the wearing of hard hats, reflectorised clothing, and the use of any other required safety equipment.

**Drainage:**

1. Invert levels of existing manholes to be checked on site prior to commencing any drainage works.
2. For positions of all rainwater pipes & foul outlets refer to Architect's drawings.
3. All joints between precast manhole components shall have a minimum uncompressed thickness of 10mm of proprietary bitumen or resin mastic sealant.
4. Storm & foul branch connections are to be laid at gradients of between 1:10 & 1:80
5. All in-situ concrete shall be minimum grade GEN3.
6. Precast concrete cover & reducing slabs to be heavy duty reinforced concrete to BS 5911.
7. Rising mains shall be black MDPE SDR11 as WI 4-32-03 & joints & fittings to be in accordance with WI 4-32-04. Other approved pipe materials to be in accordance with their relevant BS.
8. Manhole covers & frames shall be manufactured in cast iron or ductile iron & shall comply with requirements of BS EN 124 & shall be kite marked or equivalent.
9. Where there is no intermediate manhole between the start of a surface water pipe run and the soakaway the gradient of the run shall be not less than 1 : 60.
10. All completed work shall be suitably protected from damage by construction work. Damaged drainage will not be accepted. It is recommended that no heavy loading or underground work is permitted above or near unprotected drainage, and that dumpers, trucks, fork lifts or other heavy vehicles are not driven along or near pipe runs.

| Rev | Date | Description | By / Chk |
|---|---|---|---|
| P4 | 06/09/2023 | Site layout revised. Drainage amended to suit. Water butts and storm planters added. Flood compensation swale relocated above attenuation tank. | NN / DE |
| P3 | 16/05/2023 | Maintenance note added | NN / DE |
| P2 | 17/02/2023 | Raingarden added | NN / DE |
| P1 | 16/11/2022 | Issued for comments | NN / DE |


PRP
consulting engineers & surveyors

Catherine House
Old Harborough Road
Brixworth, NN6 9BX

Telephone: 01604 889 870
northampton@prp.uk.com
www.prp.uk.com

Leicester
Northampton
London

engineering excellence | creating advantage


Client:
Cartwright Homes Ltd.

Architect:
Hayward Architects Ltd.

Project:
Proposed Housing
Woodlands Lane, Bedworth
CV12 0NN

Title:
Proposed Drainage Layout

Status:
**PRELIMINARY**

| | | | |
|---|---|---|---|
| Engineer: | NN | Date: | June 2022 |
| Drawn: | NN | Scales @ A0: | 1:250 |
| Checked: | DE | | |
| Project No: 82162 | | Drg No: 102 | Rev: P4 |

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