



Rain garden to receive run-off from footpaths

Asphalt parking area to run off to rain gardens/swale

Conveyance swale/biotention

Existing DCWW 825φ and 450φ combined sewers

Flow control chamber to limit discharge to pre-development rates with 30% betterment incorporated

Storm water to discharge to existing combined drain via existing chamber

Water butts to be installed where appropriate

All boundary and retaining walls to be confirmed

Proprietary green roof to cycle and bin stores

Bioretention area with understorage if required

Site boundary shown 'red'

Foul water flows to discharge to existing combined drain via existing chamber

KEY

- Surface Water Drain (Non-Adoptable)
- Foul Water Drain (Non-Adoptable)
- Type 4 SW Inspection Chamber
- Type 3 SW Inspection Chamber
- Type 4 FW Inspection Chamber (Non-Adoptable)
- Type 3 FW Inspection Chamber (Non-Adoptable)
- Channel drain
- Proposed Ground Level
- Masonary Retaining Wall (Height Indicated)
- Exposed Facing Brickwork (Height Indicated)
- Finished Floor Level
- Site boundary
- Gravel permeable footpaths
- Footpaths to drain to permeable surfaces
- Green Roof System
- Rain Garden/Bioretention Area
- Overland runoff route
- Water butt

Status: **PRELIMINARY**

This drawing is copyright and its use or reproduction without the permission of Spring Design Consultancy Limited. All rights are reserved until invoices are paid in full. No responsibility will be taken for any design used for construction prior to receipt of relevant approvals.

rev	date	description	by
A	Nov' 2021	General engineering update following site re-plan	RMJ
B	Nov' 2021	Rain garden updated to accommodate buggy store	RMJ
C	Dec' 2021	Site layout and boundary updated; water butts added RMJ drainage references added.	RMJ

Drawn: RMJ
 Checked: RMJ
 Date: Nov'19
 Scale: 1:250

Client: Jehu Group
 Project: Wedal Road, Cardiff
 Title: Drainage & Engineering Strategy Plan
 Ref: 2375-500 Rev: C



Unit 2 Chapel Barns | Merthyr Mawr
 Bridgend | CF32 0LS | 01656 656267
 mail@spring-consultancy.co.uk