

16055

January 2019

The new plot foul sewers will be designed to current regulations and standards. These foul sewers will remain in the ownership of and be maintained in perpetuity by Vale of Glamorgan Housing.

The Welsh Water sewer plan for the area does not show any adopted sewers on the site. There is a Welsh Water foul sewer in the rear garden of 16 Maes Y Ffynon which will be suitable for a gravity connection from the proposed development. This property is owned by the Vale of Glamorgan Council. The main foul sewers and lateral drains serving the development will be adopted by and maintained in perpetuity by Welsh Water under a Section 104 agreement and connected to this foul manhole following a Section 106 approval from Welsh Water.

Foul Water Underground Drainage

It is proposed that the Section 278/38 adopted highway is constructed in permeable paving with surface water infiltrated to ground, owned and maintained in perpetuity by the Vale of Glamorgan Highways.

The use of permeable paving satisfies water quality requirements by the inherent treatment of hydrocarbons and the filtering of silt.

It is proposed that the surface water from the roofs is piped to permeable paving incorporated into the design of the individual private plot car parking areas. These surface water systems serving single properties are proposed to remain in the ownership of and be maintained in perpetuity by Vale of Glamorgan Housing.

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Surface Water Underground Drainage

The Development Advice Map shows the site in Flood Zone A. The NRW flood maps do not highlight any risk of surface water flooding to the proposed development site.

Drainage Strategy for Residential Development at Maes Y Ffynon, Bonvilston for Vale of Glamorgan Housing

(Also refer to attached drawing 16055-DS01)



Notes:
Do not scale this drawing. Check all dimensions on site. Any discrepancies to be reported back to the Architect for clarity.



1 Block plan
1:250

Rev/Revision	Updated following design review	By	Date
			07.01.2019

Client: **VALE of GLAMORGAN**

 BRO MORGANNWG

Project:
Maes-Y-Ffynon | Bonvilston

Job Number:
Date: **JAN 2019**

Drawn by:
Dwg No: **16055-DS01**

DRAINAGE STRATEGY

Revision:
Scale: **1:500 @ A3**

Drawing Status: **PAC**

