



Drainage Statement - Surface Water

- Surface water drainage to drain via gravity to existing combined sewer in Wilbraham Road via a proposed combined sewer
- Private storage to be maintained by private maintenance company.
- System designed not to flood in 30yr event and no surcharge in 2yr event.
- Climate allowance of 40%.
- The use of plastic pipework must be requested from UU.
- Surface water total site discharge 11.7l/s as confirmed by United Utilities
- All plots are set above the 100 year + 40% climate change water levels

Drainage Statement - Foul Water

- Foul to drain via gravity networks to existing Combined sewer in Wilbraham Road via a new proposed combined sewer connection
- The use of plastic pipework must be requested by United Utilities

- FFLs have been set so they are all above the 100 year +40CC% storm event

The details provided on this drawing are subject to comments by all the relevant approving authorities. Until such time as all comments have been received and incorporated onto the drawings, all the information provided and costings, are used at Anwyll Homes risk and no liability will be accepted by RSK.

Scheme based on Site Layout Rev - G

All adoptable sewer works and material to be in accordance with Design & Construction Guidebook 2020. The Relevant part of the European Union's Construction Products Regulation (CPR) and the European Standards/Requirements/Addendum and Kitemarked.

Manhole covers shall have a minimum clear opening of 600mm and shall be Class D400 to BS EN 124 with 150mm deep frames in highways.

Filled ground must be filled and consolidated under the supervision and to the satisfaction of United Utilities before any sewer works are completed.

United Utilities is not obliged to accept filter drain/land drainage run-off into the public sewer network or adoptable drainage system (direct or indirect). An alternative method of disposal of the land drainage run-off will therefore be required and you will have to liaise with the Local Authority, Land Drainage Section with regard to the disposal of the filter drain/land drainage run-off.

Cover slabs must carry the BSI Kitemarked logo and be rejected by United Utilities Inspector. Where the clear opening of the cover is to be a product in excess of the size of the cover and frame, a loading bearing slab must be fitted above the cover slab to bring the size down to 600mm x 600mm for the United Utilities specified load. For further information see the British Pipe Society Association (CPSA), 'Technical Bulletin' issued Autumn 2004 for Kitemarked cover slab opening sizes.

Sulphate resistant cement (C20-C22) and precast concrete products must be used or a laboratory report providing that the above precautions are not needed.

The adoptable sewer standards must be a minimum of 1m and manholes 0.5m from kerb, fences and service margins.

Unless noted otherwise, standards are to be laid in Class B bedding in accordance with United Utilities design details. Where depth of bedding is not specified, the bedding must be 150mm deep (or less than 900mm in non vehicle access areas) and the bedding must be concrete bed and surround shall be provided.

Bedding and backfill material to conform to the requirement of Water Industry Specification 4-08-02 (Table A2) in accordance with United Utilities standard embedded.

United Utilities policy is not to accept Type "C" pipe manholes and 1050mm United Utilities standard manholes. It is preferred that you use a type "B" manhole with 1200mm dia or 1500mm dia rings, with the opening listed above the channel where depth of cover to pipe soffit

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Rev	Date	Amendment	Drawn	Chkd	Appr

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