

Drain Doctor survey received 27.02.23 has been incorporated into the designs of which this design is based.

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

Level Statement

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

FFL's and Dragout's subject to change following completion of external works and private drainage designs.

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 Anwyl Homes risk and no liability will be accepted by RSK. Scheme based on Site Layout Rev - G

CIVIL / STRUCTURAL DESIGN RISK MANAGEMENT

Abnormal or unusual residual risks associated with the design outcomes shown on this drawing are:-

RSK LDE LTD has followed its Design Risk Management process for Hazard Elimination and Risk reduction in developing the designs shown on this drawing. Abnormal or unusual residual risks may be shown above where it is considered that such risk may not normally be expected by competent persons engaged on work of this nature or type.

Legend:

- Proposed adoptable combined water sewer and manhole
- Proposed adoptable foul water sewer and manhole
- Proposed adoptable surface water sewer and manhole
- Proposed road gully and connection
- Existing Combined sewer
- Existing abandoned Sewer to be grubbed out during site works
- Proposed private storage
- Proposed foul water dragout connection and manhole
- Proposed surface water dragout connection and manhole
- Site Boundary
- FFL 28.75 — Finished Floor Level
- +(28.90) — Boundary Levels

Notes

- All adoptable sewer works and material to be in accordance with Design & Construction Guidance 2020, The Relevant British/European and United Utilities' 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 carried out.
- United Utilities is not obliged to accept filter drain/land drainage run-off into the public sewer network or adoptable drainage system (directly or in-directly). 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 Kitemark or will be rejected by United Utilities Inspector. Where the clear opening of the Kitemarked product is different to that of the cover and frame, a loading bearing slab should be fitted above the cover slab to bring the size down to 600mm x 600mm for the United Utilities specified cover size. Please refer to Concrete Pipe Systems Association (CPSA), Technical Bulletin' issued Autumn 2004 for Kitemarked cover slab opening sizes.
- Sulphate resistant cement (C20-DC2) and precast concrete products must be used or a laboratory report provided proving that such precautions are not necessary.
- The adoptable sewers should be a minimum of 1m and manholes 0.5m from kerb faces and service margins.
- Unless noted otherwise, sewers are to be laid in Class S bedding in accordance with United Utilities standard details.Where depth of cover to top of the sewer is less than 1.2m in highways and verges (or less than 900mm in none vehicular access areas) then a 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) and in accordance with United Utilities standard embedment details.
- United Utilities policy is not to accept Type "C" brick manholes and 1050mm dia manhole rings. Instead it is preferred that you use a type "B" manhole with 1200mm dia or 1500mm dia rings, with the opening sited over the channel where depth of cover to pipe soffit is 1 - 1.5m.

Rev	Date	Amendment	Drawn	Chkd	Appd
P1	27.02.23	First issue	AP	MS	MAR

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Client: ANWYL homes

Project Title: Harry Dalton Fields Chorlton

Status: DETAILED DESIGN

Drawing Title: S104 Agreement Plan

Drawn	Date	Checked	Date	Approved	Date
AP	FEB 23	MS	FEB 23	MAR	FEB 23

Scale	Orig Size	Dimensions
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