## 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.

## Notes:

1. This drawing is to be read in conjunction with all engineering drawings, standard details and specifications for this job.
2. This drawing has been prepared for house drainage purposes only, and must not be used for house setting out.
3. All drains and connections to be 100mm diameter, unless shown otherwise.
4. This drawing is schematic for clarity, and where possible drains should be laid within 2m of houses, and connections kept as short as possible.
5. Where pipes pass under buildings, unless beam & block floors are used, they are to be surrounded in concrete.
6. All branch drains, or connections, are to discharge to the collectors obliquely, and in the direction of the main flow.
7. House levels are Finished Floor Levels (FFL's).
8. Figures quoted next to inspection chambers / rodding eyes are invert levels, in metres AOD.
9. Private footpaths are to be laid with a crossfall to allow drainage to soft landscaped areas.
10. Where possible all drainage runs shall be kept a minimum of 4.0m from any existing tree that is to be retained.
11. All drainage design is subject to technical approval, no connections shall be made to any public sewer without written consent from the drainage authority.
12. The location of R.W.P's and waste/S.V.P's are subject to confirmation by the Architect / Services Engineer.
13. Any inspection chamber in landscaped area to have an A15 cover.
14. Any inspection chamber in hardstanding area to have a B125 cover.

## Drainage Legend:

- Development Boundary
- FFL 5.75 — Finished Floor Level
- Proposed Private Aco Drain
- G — Proposed Private Gully
- Proposed SW rodding eye & drain
- Proposed SW inspection chamber and drain
- Proposed FW mini access chamber
- Proposed FW inspection chamber & drain
- Proposed Adoptable Foul Water Sewers
- Proposed Adoptable Surface Water Sewers

Private Drainage Subject to change following conformation of foundation designs. Structural engineer to confirm depth from FFL that foul drainage can exit the plots

Geo-cellular crate storage
Area - 128.0m²
Base of crates - 27.55m
Top of crates - 28.35m
Non-return valve required.
See RSK drawing 40-21 for further details

Geo-cellular crate storage
Area - 117.0m²
Base of crates - 27.610m
Top of crates - 28.410m
Non-return valve required.
See RSK drawing 40-21 for further details

Client to confirm RWP can be relocated to the front of the garage

Client to confirm RWP can be relocated to the front of the garage

Client to confirm RWP can be relocated to the front of the garage

Client to confirm RWP can be relocated to the front of the garage

MORVILLE ROAD

WILBRAHAM ROAD

525VC>

<250VC Combined

6001
CL 29.545
IL 25.275

6008

5002

6101

HYDROBRAKE
TYPE: OPTIMUM
FLOW: 11.700l/s
HEAD: 2.900m
SPEC: SHE-0131-1170-2800-1170

900x600 Brick Combined Sewer
Interpolated to be 1:308

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 Anywl Homes risk and no liability will be accepted by RSK. Scheme based on site plan Rev G.

Prior to any construction, the contractor must confirm the precise invert level and pipe diameter of the receiving drainage system and must immediately advise RSK of any variation to that upon which the design has been based.

**Important Note**
Prior to any Adoptable drainage groundworks being undertaken on site the contractor must confirm back to RSK the precise as-built or existing invert level, pipe diameter and condition of the receiving drainage system, watercourse and / or manhole in order to allow design reviewed if required.
All proposed private drainage groundworks must also prior to construction start on site first establish that a viable outfall connection can be made into the receiving drainage system.
The contractor must also immediately advise RSK should any discrepancy or perceived conflict between as-built level and proposed design level information become apparent / identified during the implementation of any ongoing drainage / groundworksconstruction.

**Please telephone RSK - Land and Development Engineering on 01942 493255**

| Rev | Date | Amendment | Drawn | Chkd | Appd |
|---|---|---|---|---|---|
| P1 | 16.03.23 | First issue | AP | MS | |


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Client: ANWYL thoughtful homes

Project Title: Harry Dalton Fields, Chorlton

Status: DETAILED DESIGN

Drawing Title: Private Drainage

| Drawn | Date | Checked | Date | Approved | Date |
|---|---|---|---|---|---|
| AP | MAR 23 | MS | MAR 23 | | |

| Scale | Orig Size | Dimensions |
|---|---|---|
| 1:250 | A0 | |

| Project No. | File Name |
|---|---|
| 882551 | |

| Drawing No. | | | | | | | Rev. |
|---|---|---|---|---|---|---|---|
| 40-13 | | | | | | 40-13 | P1 |
| Project No. | Orig. | Vol./Sys. | Lev./Loc. | Type | Role | Draw. No. | |

File Location: L:\001 JOBS LIVE WIGAN\882551 - HARRY DALTON FIELDS, CHORLTON ANWYL\GRAPHIN\INFRASTRUCTURE\40-13 PLOT DRAINAGE.DWG