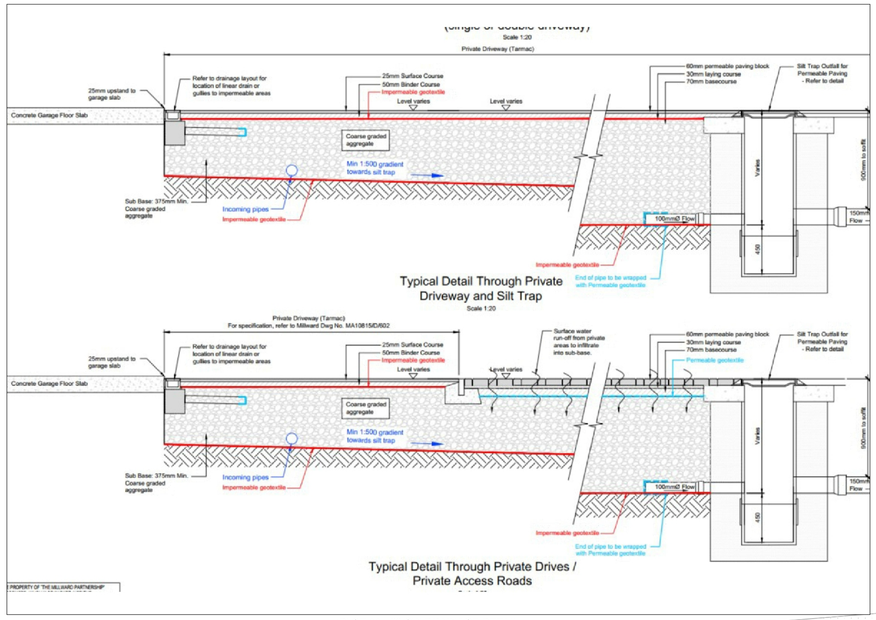


PLOT 11 - 23 SW DRAINAGE DETAIL
NTS

Prior to any Adoptable drainage ground works 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 ground works 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 / ground works construction.

Please telephone RSK - Land and Development Engineering on 01942 493255

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.

Legend:

- Development Boundary
- FFL 188.00 — Finished Floor Level
- Proposed SW rodding eye & drain
- Proposed SW inspection chamber
- Proposed private road gully
- ACO — Proposed linear drainage channel
- Proposed FW mini access chamber
- Proposed FW inspection chamber & drain
- F1 — Proposed adoptable foul water sewer and manhole
- S1 — Proposed adoptable surface water sewer and manhole
- Proposed foul water dragout connection
- Proposed surface water dragout connection
- Porous Paving depth TBC by specialists
- Drainage Channel

All private drainage to be 100mm diameter unless stated otherwise.

All ACO drains to be placed behind edging kerb on private land - not public highway.

Notes:

1. The specification in all respects shall be in accordance with the Lincolnshire County Council Development Road and Sustainable Drainage Specification and Construction
2. Within the catchment of traditional drainage design, the minimum longitudinal fall for highways, without channel block shall be 1 in 150 and with channel blocks 1 in 250
3. General deterioration of the existing highway/footway/verges created through construction of the new Section 38 Development will be reinstated to the Development Road and Sustainable Drainage Specification and Construction at the developers' own cost at the agreement of the inspecting Development Management Officer.
4. No private surface water shall discharge onto the adoptable highway
5. No private structural features shall overhang the adoptable highway
6. No retaining walls exceeding 1.37 meters shall be within 3.66 meters of the highway boundary.

Hydrobrake to restrict flow to 5l/s based on 1.50m head, hydrobrake to be a MD-SHE-0098-1500-5000 by Hydro International or similar approved. Please see drawing 40-06 for Hydrobrake Details

Please see drawing 40-16 for pond details

Please see drawing 40-17 for Swale details

Proposed Water Levels
1:2 Year = 1.896
1:30 Year = 2.305
1:100 Year + 40%CC = 2.670

SUDS

Headwall 1
Headwall 2
Headwall 3
Headwall 4

Silt Trap Manhole

Refer to RSK Drawing 40-15-02 For Continuation

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 Larkfleet Homes risk and no liability will be accepted by RSK. Scheme based on site plan L181/SITE/01.

Rev.	Date	Amendment	Drawn	Chkd.	Appd.
P4	28.11.22	Revised Plots 11 to 23	KD	AP	
P3	14.07.22	Updated to suit clients mark up received 23.06.22	LGS	MAR	
P2	01.10.21	Updated to suit new layout dated 05.07.21 and to suit Lincolnshire County Council comments	LGS	MAR	
P1	31.07.19	First Issue	JW	MAR	

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Web: www.rsk.co.uk

Client: Larkfleet Homes

Project Title: Moulton Chapel Spalding

Status: DETAILED DESIGN

Drawing Title: Private Drainage Sheet 1 of 2

Drawn	Date	Checked	Date	Approved	Date
JW	JUL 19	MAR	JUL 19		

Scale	Orig Size	Dimensions
1:250	A0	

Project No.: 881565
Drawing File:
Drawing No.: 40-15-01
Rev: P4

Scale 1:250
0 2.5 5 7.5 10 12.5m

File Location: L:\001_JOBS\L181 WIGANB8385 - MOULTON CHAPEL, SPALDING\LARKFLEET\DRAWINGS\STRUCTURES\S-15 PRIVATE DRAINAGE.DWG