

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.

Surface Water drainage philosophy

- Surface Water Network to drain via gravity and rising main to existing watercourse located at the west of the site at S15.
- 2 year and 30 year volumes to be stored in adoptable network.
- 100 year +45% climate change event contained within offline geo-cellular storage and offline basin.
- CV value of 1.000 applied as requested by the LLFA.

Foul Water drainage philosophy

- Foul water network to drain via gravity and connect to the existing adoptable network located in Pilling Lane via new manhole connection, subject to permission from the relevant authority.

Note: The highways and drainage works are subject to Technical Approval from Highways and United Utilities respectively and may therefore change

Note: Minimum FFL of 5.95 utilised to be above tidal flood level

CIVIL / STRUCTURAL DESIGN RISK MANAGEMENT

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

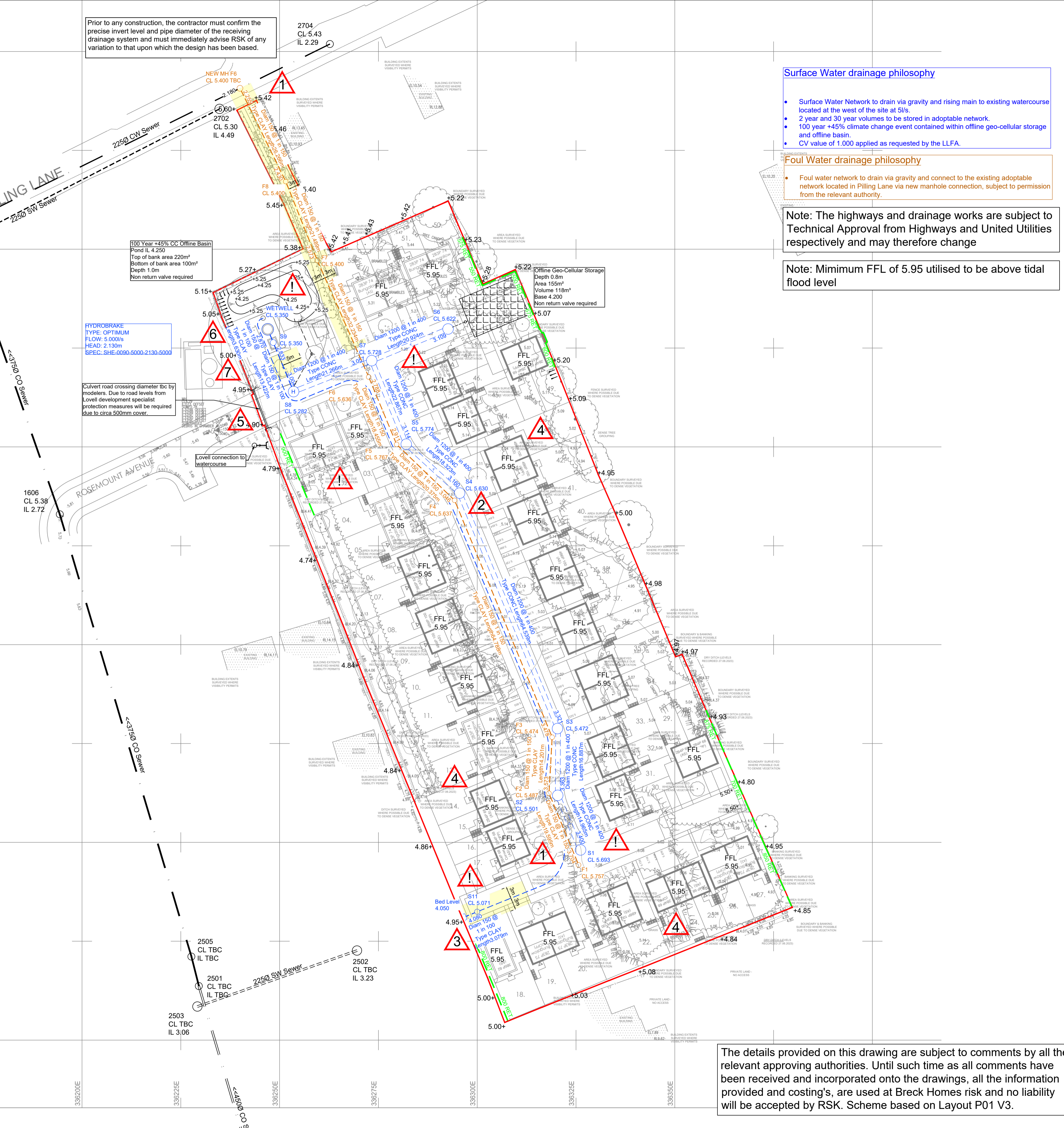
RSK LDE LTD has followed its Design Risk Management process for Hazard Elimination and Risk reduction in developing the designs shown on this drawing. Abnormal or unusual residual risks may be shown above where it is considered that such risk may not normally be expected by competent persons engaged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

Drainage Legend:

- Proposed foul water sewer and manhole to be offered for adoption under S104
- Proposed surface water rising main to be offered for adoption under S104
- Proposed surface water sewer and manhole to be offered for adoption under S104
- Proposed S104 Drainage Easement
- Assumed Site boundary
- Retaining feature- retaining type to be discussed with Client at detailed design stage - only retaining 450mm and above shown as appraisal stage
- Finished Floor Level (All plots set above the 100 year + 45% modelled WL)

Design Information Identification

1	Foul water network to drain via gravity and connect to the existing adoptable network via new manhole connection located in Pilling Lane. Level has been interpolated.
2	Surface water network to drain via gravity and rising main to watercourse located at the west of the site. 2yr and 30yr storm events contained within adoptable network. 100yr +45% climate change storm event contained in offline geo-cellular storage and offline basin.
3	Surface water to drain to watercourse located at western boundary at 5 l/s via rising main. This is subject to approval from the relevant authorities.
4	Minimum FFL to be set at 5.95 to be above the tidal flood level.
5	Existing road tie in levels to be confirmed. Longfall has been replicated in entrance to site.
6	SW pump station information to be provided by TT pumps or similar. Tracking recommended.
7	Proposed pump station could be moved locally 1m to the east for battering.
!	Site boundary indicative, actual boundary to be confirmed by client.
!	Outfall level to ditch taken from closest bed level on survey. Further survey required for exact level.
!	Soakaway testing required to discount infiltration option.
!	Pond upsized from layout to contain 100yr+45%CC.
!	150mm concrete surround required for S1-S3 and S11.
!	Potential to lift drainage 100mm in this area at detailed design stage as fw and sw is tight, subject to foul survey results.
!	Alternative Part M routes to be utilised for lots 1-2 due to tie in level and minimum FFL requirement.



P3	06.02.24	Updated to suit latest layout	LS	MS	
P2	01.02.24	Updated to suit latest FFL'S	LS	MS	
P1	01.02.24	First Issue	LS	MS	
Rev	Date	Amendment	Drawn	Chkd	Appd

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Client
Rosemount Avenue Presall

Status
APPRAISAL

Drawing Title
Engineering Appraisal

Drawn	Date	Checked	Date	Approved	Date
LS	JAN 24	MS	JAN 24		
Scale	1:500	Orig Size	A1	Dimensions	
Project No.	882801	File Name			
Drawing No.	10-01	LDE	DR	D	10-01
Project No.	Orig.	Vol./Sys.	Lev./Loc.	Type	Role
					Draw. No.

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 into the drawings, all the information provided and costings, are used at Breck Homes risk and no liability will be accepted by RSK. Scheme based on Layout P01 V3.