

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. 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.

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
			Code	Inverts	Diams		Manhole	Cover
S1	3.050							
E. 529681.981	0.655							
N. 318290.084			0	1.000	2.170	225	1350	C D400 1200x675
S2	3.130		1	1.000	2.044	225		
E. 529675.845	0.861							
N. 318310.164			0	1.001	2.044	225	1350	C D400 1200x675
S3	3.100		1	1.001	1.897	225		
E. 529674.157	0.978							
N. 318334.683			0	1.002	1.897	225	1350	C D400 1200x675
S4	3.110							
E. 529595.861	0.730							
N. 318383.562			0	2.000	2.230	150	1350	C D400 1200x675
S5	3.150		1	2.000	2.140	150		
E. 529597.656	0.860							
N. 318374.743			0	2.001	2.065	225	1350	C D400 1200x675
S6	3.200		1	2.001	1.999	225		
E. 529604.732	0.976							
N. 318366.346			0	2.002	1.924	300	1500	C D400 1200x675
S7	3.050		1	2.002	1.772	300		
E. 529641.207	0.978							
N. 318359.253			0	2.003	1.697	375	1500	C D400 1200x675
S8	2.950		1	2.003	1.650	375		
E. 529656.029	0.925							
N. 318356.072			0	2.004	1.650	375	1500	C D400 1200x675
S9	2.950		1	2.004	1.607	375		
E. 529660.128	0.968		2	1.002	1.758	225		
N. 318353.165			0	1.003	1.532	450	1800	C D400 1200x675
S10	3.000		1	1.003	1.506	450		
E. 529670.518	1.044							
N. 318360.702			0	1.004	1.506	450	1800	C D400 1200x675



Due to shallow sewer infrastructure, proposed service routes to be considered to ensure there are no clashes

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
			Code	Inverts	Diams		Manhole	Cover
S11	2.920							
E. 529683.676	0.997							
N. 318370.688			0	1.005	1.473	450	1800	C D400 1200x675
S12	2.724		1	1.005	1.406	450		
E. 529715.482	0.868							
N. 318381.719			0	1.006	1.406	450	1800	C D400 1200x675
S13	2.811		1	1.006	1.364	450		
E. 529720.852	0.997							
N. 318401.817			0	1.007	1.364	450	1800	C D400 1200x675
S14	2.750		1	1.007	1.323	450		
E. 529718.654	0.977							
N. 318422.309			0	1.008	1.323	450	1800	C D400 1200x675
S15	2.550		1	1.008	1.268	450		
E. 529723.673	0.832							
N. 318449.309			0	1.009	1.268	450	1800	C D400 1200x675
S16	3.100							
E. 529605.133	0.975							
N. 318420.540			0	3.000	1.900	225	1350	C D400 1200x675
S17	3.150							
E. 529610.291	1.025							
N. 318439.511			0	4.000	1.900	225	1350	C D400 1200x675
S18	3.180		1	4.000	1.780	225		
E. 529608.426	1.175		2	3.000	1.780	225		
N. 318432.128			0	3.001	1.705	300	1500	C D400 1200x675
S19	3.303		1	3.001	1.655	300		
E. 529619.946	1.348							
N. 318429.127			0	3.002	1.655	300	1500	C D400 1200x675
S20	3.099		1	3.002	1.464	300		
E. 529664.270	1.335							
N. 318417.694			0	3.003	1.389	375	1800	C D400 1200x675

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
			Code	Inverts	Diams		Manhole	Cover
S21	2.950		1	3.003	1.317	375		
E. 529679.744	1.258							
N. 318435.420			0	3.004	1.317	375	1800	C D400 1200x675
S22	2.900		1	3.004	1.296	375		
E. 529678.090	1.229							
N. 318442.066			0	3.005	1.296	375	1800	C D400 1200x675
S23	2.500		1	3.005	1.269	375		
E. 529679.908	0.856							
N. 318450.728			0	3.006	1.269	375	1800	C D400 1200x675
S24	2.515							
E. 529730.146	1.065							
N. 318471.741			0	5.000	1.300	150	1350	C D400 1200x675
S25	2.904							
E. 529674.630	1.379							
N. 318489.847			0	6.000	1.300	225	1350	C D400 1200x675
S26	2.877							
E. 529707.282	1.377							
N. 318498.587			0	7.000	1.350	150	1350	C D400 1200x675
S27	2.657		1	1.012	1.072	450		
E. 529730.673	1.135							
N. 318492.902			0	1.013	1.072	450	1800	C D400 1200x675
S28	2.800		1	1.013	1.026	450		
E. 529748.510	1.324							
N. 318507.336			0	1.014	1.026	450	1800	C D400 1200x675
S29 Hydrobrake	2.700		1	1.015	0.983	450		
E. 529746.561	1.567							
N. 318528.760			0	1.015	0.983	150	2700	D400 1200x675

P5	25.07.23	Drawing updated to Client comments	MS		
P4	29.06.23	Drawing updated to latest drainage design	LGS	MS	
P3	07.12.21	Updated to suit Anglian Water comments dated 14.10.21	LGS	MAR	
P2	01.10.21	Updated to suit new drainage design and Anglian Water comments dated 22.07.21	LGS	MAR	
P1	31.07.19	First Issue	JW	MAR	
Rev.	Date	Amendment	Drawn	Chkd.	Appd.

RSK

LAND & DEVELOPMENT ENGINEERING LTD

Spring Lodge
172 Chester Road
Helsby
Cheshire, WA6 0AR
United Kingdom

Tel: +44 (0) 1928 726006
Fax: +44 (0) 1928 725633
Email: ld@rsk.co.uk
Web: www.rsk.co.uk

Client

Allison Homes

Project Title

Moulton Chapel
Spalding

Status

DETAILED DESIGN

Drawing Title

Surface Water
PDS Manhole Schedules

Drawn

Date

JW

JUL 19

Checked

Date

MAR

JUL 19

Approved

Date

Scale

NTS

Orig Size

A1

Dimensions

Project No.

881565

Drawing File

Drawing No.

40-03-01

Rev.

P5