

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:

- This drawing is to be read in conjunction with all architects and engineers drawings and specifications.
- Drawing to be printed in COLOUR.
- All dimensions are in meters unless noted otherwise. All levels are in meters unless noted otherwise.
- Any discrepancies noted on site are to be reported to the engineer immediately.
- All highway works to be carried out in accordance with West Sussex County Council's design guide and specification.
- The contractor shall check all tie-ins for line and level with existing before commencing any works. The engineer shall be noted immediately in writing, should any error be found.
- The contractor is responsible for ensuring that all works are to the satisfaction of the engineer and shall be deemed to have included within his rates for any inspecting and necessary testing.
- All adoptable drainage to be constructed in accordance with the Design and Construction Guidance (Water UK).
- For guidance on types and distances of proposed trees away from adoptable sewers refer to Design and Construction Guidance Section B5.1.10 & 11 and B7.6.
- A + 1% gradient represents a rise of 1m in 100m.
- Left and right hand channels are on the left and right hand side respectively, when standing at zero chainage and looking along the road.
- A level at any point 'X'm from the start of a vertical curve is given by the formula:-
- Level @ 'X' = Level @ start of the curve + AX/100 - (A-B)X²/200L
- where 'A' and 'B' are the gradients at the start and end of the curve respectively and having the algebraic signs +/-.
- Pipe sizes are stated in millimetres and levels are shown in metres A.O.D.
- All pipes to have flexible joints with granular bedding (Class S) unless stated otherwise. Where 150mm concrete bed and surround is specified the concrete must be broken at the joint positions by the insertion of a "flexcell" collar.
- Connections to existing sewers are to be "SOFFIT TO SOFFIT" unless noted otherwise.

C04	06.07.2026	Construction Issue after planning layout changes.	YP	AM	RD
C03	21.11.2025	Issued for CONSTRUCTION.	GXA	RD	APT
T02	05.09.2025	Issued for TENDER - Long Sections updated to latest layout	GXA	RD	APT
T01	30.01.25	Issued for TENDER	YP	RD	APT
Rev.	Date	Amendment	Drawn	Chkd.	Appd.



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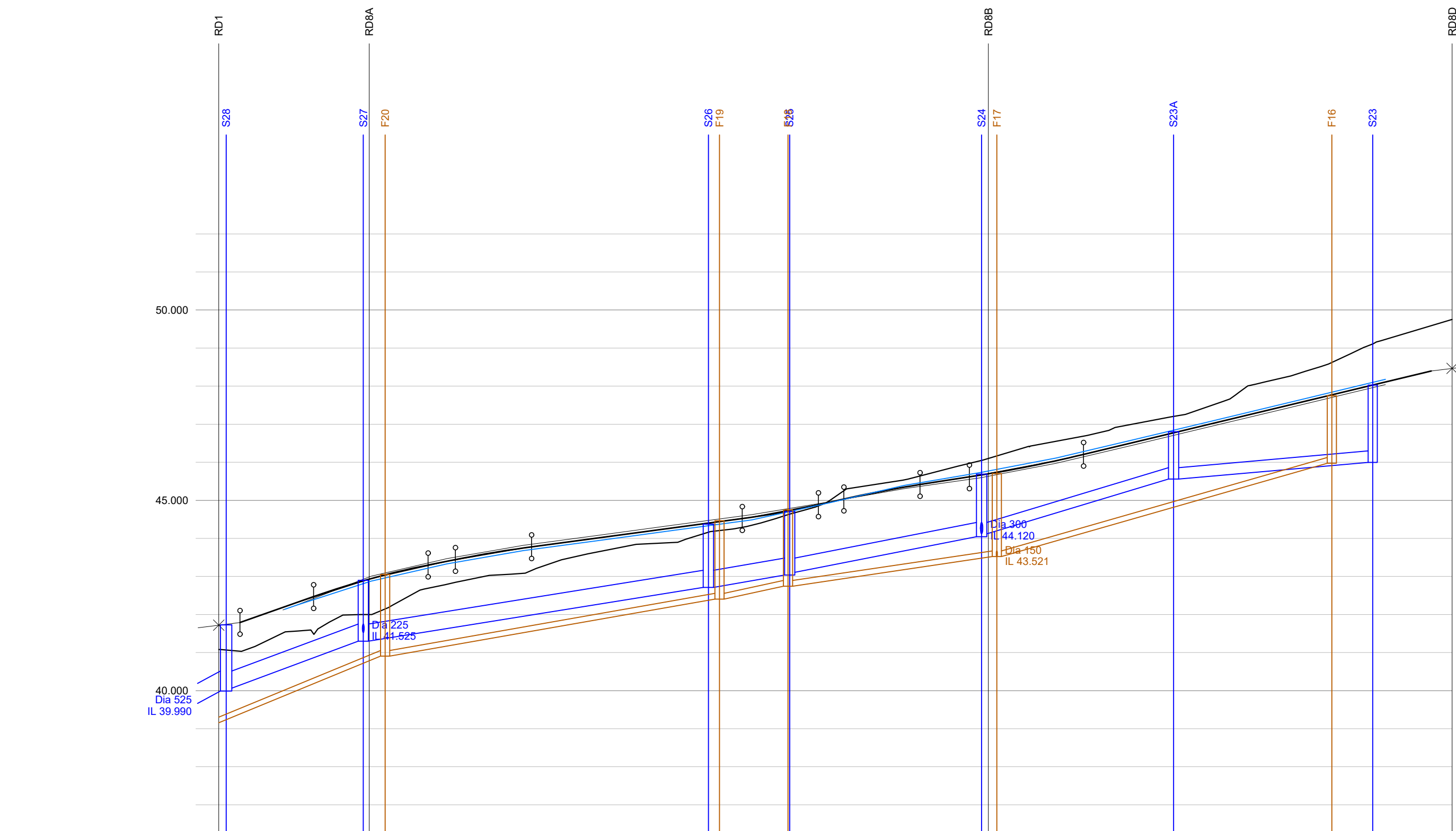


NEW PLACE FARM
PULBOROUGH
WEST SUSSEX

CONSTRUCTION

LONGSECTION
ROAD 8 & 8A

Drawn	Date	Checked	Date	Approved	Date
YP	20.12.24	RD	10.01.25	APT	10.01.25
Scale	1:500	Orig Size	A1	Dimensions	m
Project No.	H9376 (890815)	Drawing File	H9376_RSK_ZZ_XX-DR_CE_300031-300042_L.dwg	Sections.dwg	
Drawing No.	H9376	Rev.	C04		
Project	Orig.	Vol./Sys.	Lev./Loc	Type	Role
					Draw. No.
Scale 1:500					
0 5 10 15 20 25m					



RD8

CHAINAGE	0.000	2.774	12.444	15.000	21.851	25.000	27.500	30.000	35.000	40.000	45.000	50.000	60.000	64.314	67.442	70.000	76.868	78.759	82.098	85.000	90.000	92.098	98.596	100.000	105.000	110.000	115.596	120.000	125.412	130.000	131.872	137.355	140.000	142.779	146.201	150.000	155.412	160.000	162.002
EXISTING GROUND LEVEL	41.082		41.560		42.002		42.800		43.081		43.652		43.896		44.341		44.964		45.537		46.039		46.553		46.942		47.407		48.207		48.999		49.754		49.979		49.634		49.754
ALIGNMENT LEVEL	41.790	42.298	42.470	42.843	43.194	43.300	43.440	43.590	43.776	44.017	44.286	44.521	44.725	44.882	45.034	45.159	45.815	45.860	45.837	46.042	46.207	46.514	46.894	47.474	47.954	48.398													
VERTICAL ALIGNMENT	G= 7.031% 1: 14.2		L= 15.056 KF= -4.96770		G= 4.000% 1: 25.0	L= 10.000 KF= -7.61471		G= 2.687% 1: 37.2		KF= 5.41087 L= 10.000		G= 4.535% 1: 22.1		L= 10.000 KF= -6.91226		G= 3.088% 1: 32.4		KF= 8.77295 L= 15.000		G= 4.798% 1: 20.8																			
HORIZONTAL ALIGNMENT	R= 20.000		R= 6.000		R= 41.810		R= 75.000																																
LEFT HAND CHANNEL	42.130	42.225	42.298	43.007	43.469	43.816	44.086	44.355	44.625	44.952	45.306	45.591	46.445	46.925	47.405	47.885	48.041																						
RIGHT HAND CHANNEL	42.130	42.225	42.298	42.875	43.331	43.679	43.948	44.217	44.487	44.925	45.388	45.729	46.111	46.583	47.063	47.543	48.022	48.178																					
STORMWATER COVER LEVEL	41.725		42.800					44.372			44.703					45.690		46.802									48.030												
STORMWATER INVERT	40.097		41.300	41.300				42.710	42.710	43.035	43.110	44.045	44.120	45.560	45.560		45.997																						
STORMWATER DETAILS	Pipe 5.005 Dia 450 Circular CONC 1 in 15		Pipe 5.004 Dia 450 Circular CONC 1 in 32		Pipe 5.003 Dia 375 Circular CONC 1 in 35		Pipe 5.002 Dia 300 Circular CONC 1 in 27		Pipe 5.001 Dia 300 Circular CLAY 1 in 18		Pipe 5.000 Dia 300 Circular CLAY 1 in 60																												
STORMWATER LENGTHS	18.611		45.552		11.329		25.623		25.213		26.078																												
FOULWATER COVER LEVEL		43.350				44.463		44.750		45.700				47.747																									
FOULWATER INVERT		40.905	40.905			42.404	42.745	42.745		43.521	43.521			45.975																									
FOULWATER DETAILS	Pipe 2.004 Dia 150 Circular CLAY 1 in 12		Pipe 2.003 Dia 150 Circular CLAY 1 in 30		Pipe 2.002 Dia 150 Circular CLAY 1 in 21		Pipe 2.001 Dia 150 Circular CLAY 1 in 35		Pipe 2.000 Dia 150 Circular CLAY 1 in 18																														
FOULWATER LENGTHS	22.330		44.378		7.244		27.062		44.050																														