

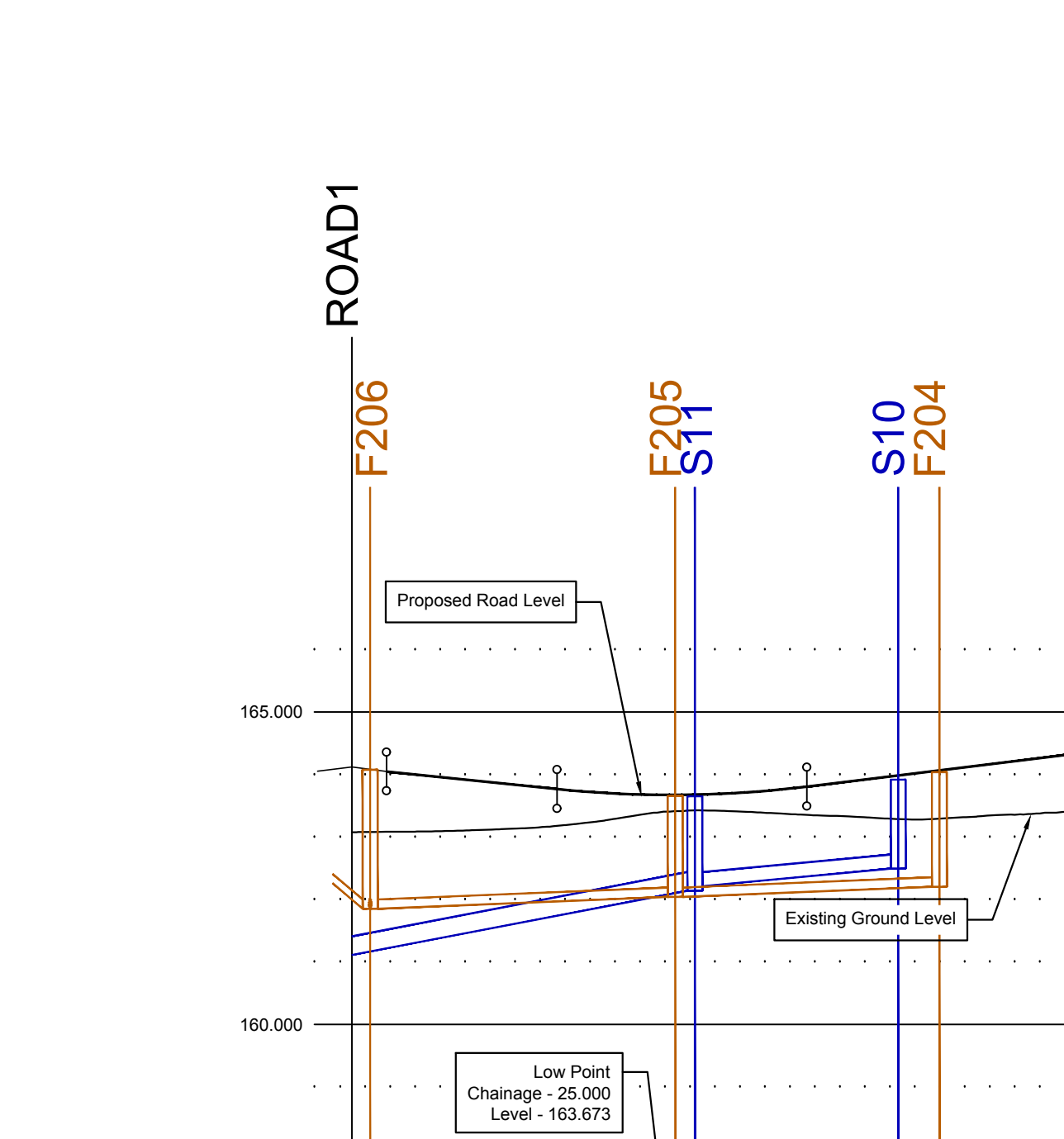
Abnormal or unusual residual risks associated with the design outcomes shown on this drawing are:-

SKS 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.

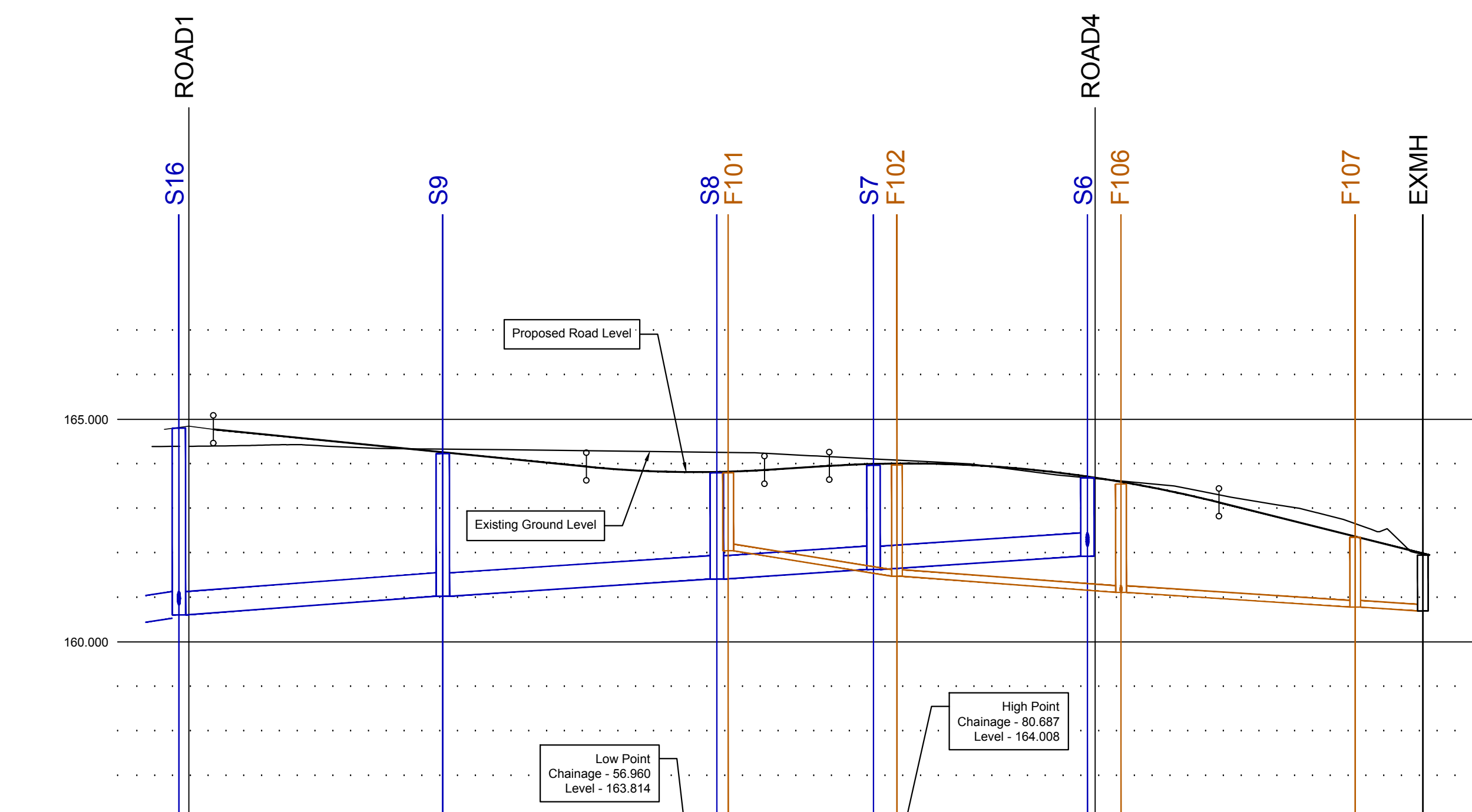
Notes

- This drawing is to be read in conjunction with the standard details, the layouts, schedules and specifications for the development.
- 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 channel and looking along the road.
- 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 'flexicel' collar.
- All sewer connections are to be SOFFIT TO SOFFIT unless noted otherwise.
- All vitrified clay pipes to be EXTRA STRENGTH to B.S. 65, 1991.
- Existing levels to be confirmed on site prior to commencement of works.
- All concrete pipes to be CLASS 'M'.
- Refer to adoptable drainage notes on RSK drawing 40-01 for further information.



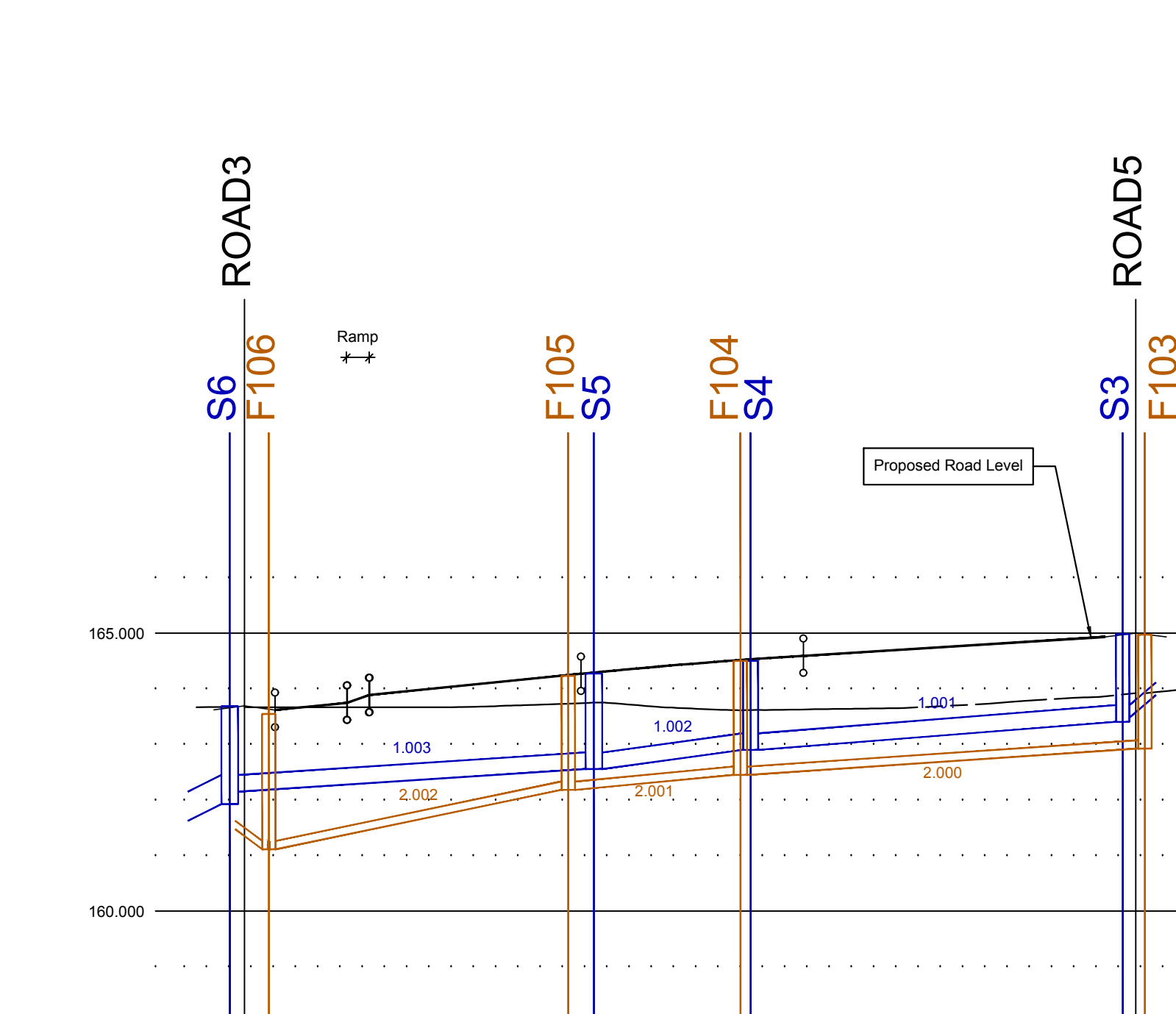
ROAD2		J=0.00	
		0.000	2.764
CHANNAGE			
		185.077	
EXISTING GROUND LEVEL			
		185.040	
ALIGNMENT LEVEL			
		185.000	
		185.110	
		185.787	
		185.430	
		185.299	
		20.000	
		20.000	
		30.000	
		30.000	
		32.072	
		32.072	
		32.072	
		32.072	
		40.000	
		183.327	
		43.742	
		47.060	
		50.000	
		183.327	
		54.387	
		183.400	
VERTICAL ALIGNMENT			
		G= -2.084%	
		1-48.5	
		KF= 4.42105	
		L= 20.000	
		G= 2.460%	
		1-40.7	
HORIZONTAL ALIGNMENT			
		R= 59.754	
		R= 51.243	
		R= 36.163	
STORMWATER COVER LEVEL			
		183.052	
STORMWATER INVERT			
		182.134	
		182.213	
		182.493	
STORMWATER DETAILS			
		Pipe 2.001	
		Dia 300	
		Circular CLAY	
		1 in 27	
		Strength Min 72 kN/m	
		Class 3 bed and surround	
		Pipe 2.000	
		Dia 225	
		Circular CLAY	
		1 in 20	
		Strength Min 46 kN/m	
		Class 3 bed and surround	
STORMWATER LENGTHS			
		28.444	
		16.823	
FOULWATER COVER LEVEL			
		184.038	
		183.000	
FOULWATER INVERT			
		181.851	
		182.440	
		182.440	
		182.204	
FOULWATER DETAILS			
		Pipe 2.001	
		Dia 150	
		Circular CLAY	
		1 in 120	
		Strength Min 40 kN/m	
		Class 3 bed and surround	
		Pipe 2.000	
		Dia 150	
		Circular CLAY	
		1 in 60	
		Strength Min 45 kN/m	
		Class 3 bed and surround	
FOULWATER LENGTHS			
		24.481	
		21.353	

ROAD 2
Scale: 1:500 Horizontal
1:100 Vertical



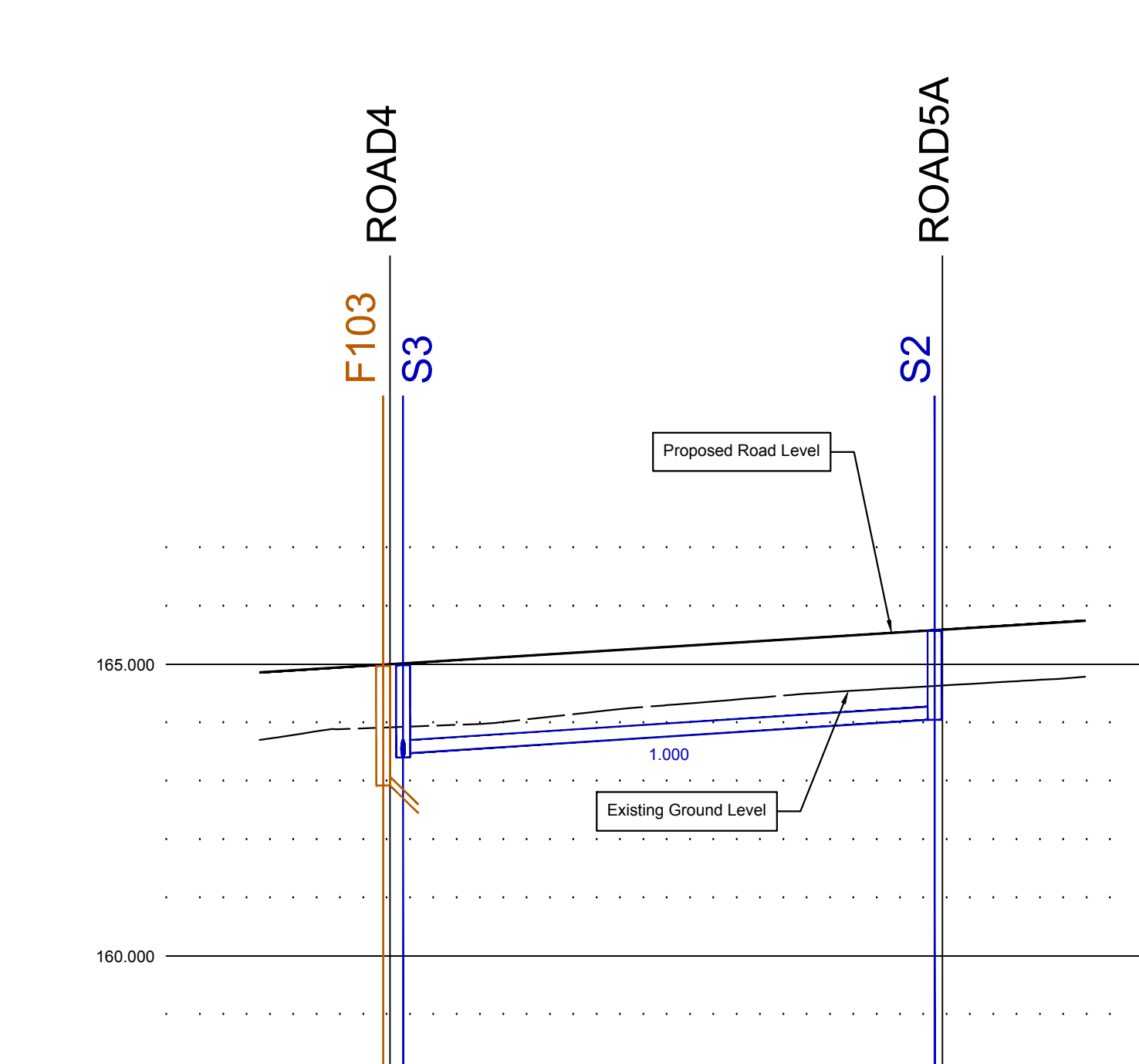
ROAD3									
CHANGING	18.953	0.000	1.113	2.792	10.000	20.000	24.880	26.511	30.000
EXISTING GROUND LEVEL	18.953	18.772	18.428	18.428	18.428	18.428	18.428	18.428	18.428
ALIGNMENT LEVEL	18.953	18.772	18.428	18.428	18.428	18.428	18.428	18.428	18.428
VERTICAL ALIGNMENT	G= -2.000% L= 50.0 K7+ 6 16386 L= 20.000 G= 1.250% L= 80.0 L= 43.750 KF= -7.0 G= -5.000% L= 20.0								
HORIZONTAL ALIGNMENT	R= 77.250 R= 77.440 R= 61.287								
STORMWATER COVER LEVEL	16.000	16.000	16.000	16.000	16.000	16.000	16.000	16.000	16.000
STORMWATER INVERT	16.000	16.000	16.000	16.000	16.000	16.000	16.000	16.000	16.000
STORMWATER DETAILS	Dia 525 Circular CONIC 1 in 70 Strength Min 63 kN/m Class S bed and surround Dia 525 Circular CONIC 1 in 80 Strength Min 63 kN/m Class S bed and surround Dia 525 Circular CONIC 1 in 80 Strength Min 63 kN/m Class S bed and surround Dia 525 Circular CONIC 1 in 80 Strength Min 63 kN/m Class S bed and surround								
STORMWATER LENGTHS	29.963 30.646 17.312 23.775								
FOULWATER COVER LEVEL	163.782 163.782 163.975 163.975								
FOULWATER INVERT	163.782 163.782 163.975 163.975								
FOULWATER DETAILS	Pipe 1000 Dia 150 Circular CLAY 1 in 80 Strength Min 40 kN/m Class S bed and surround Pipe 1001 Dia 150 Circular CLAY 1 in 80 Strength Min 40 kN/m Class S bed and surround Pipe 1002 Dia 150 Circular CLAY 1 in 80 Strength Min 40 kN/m Class S bed and surround Pipe 1003 Dia 150 Circular CLAY 1 in 80 Strength Min 40 kN/m Class S bed and surround								
FOULWATER LENGTHS	19.198 25.338 26.375 7.499								

ROAD 3
Scale: 1:500 Horizontal
1:100 Vertical

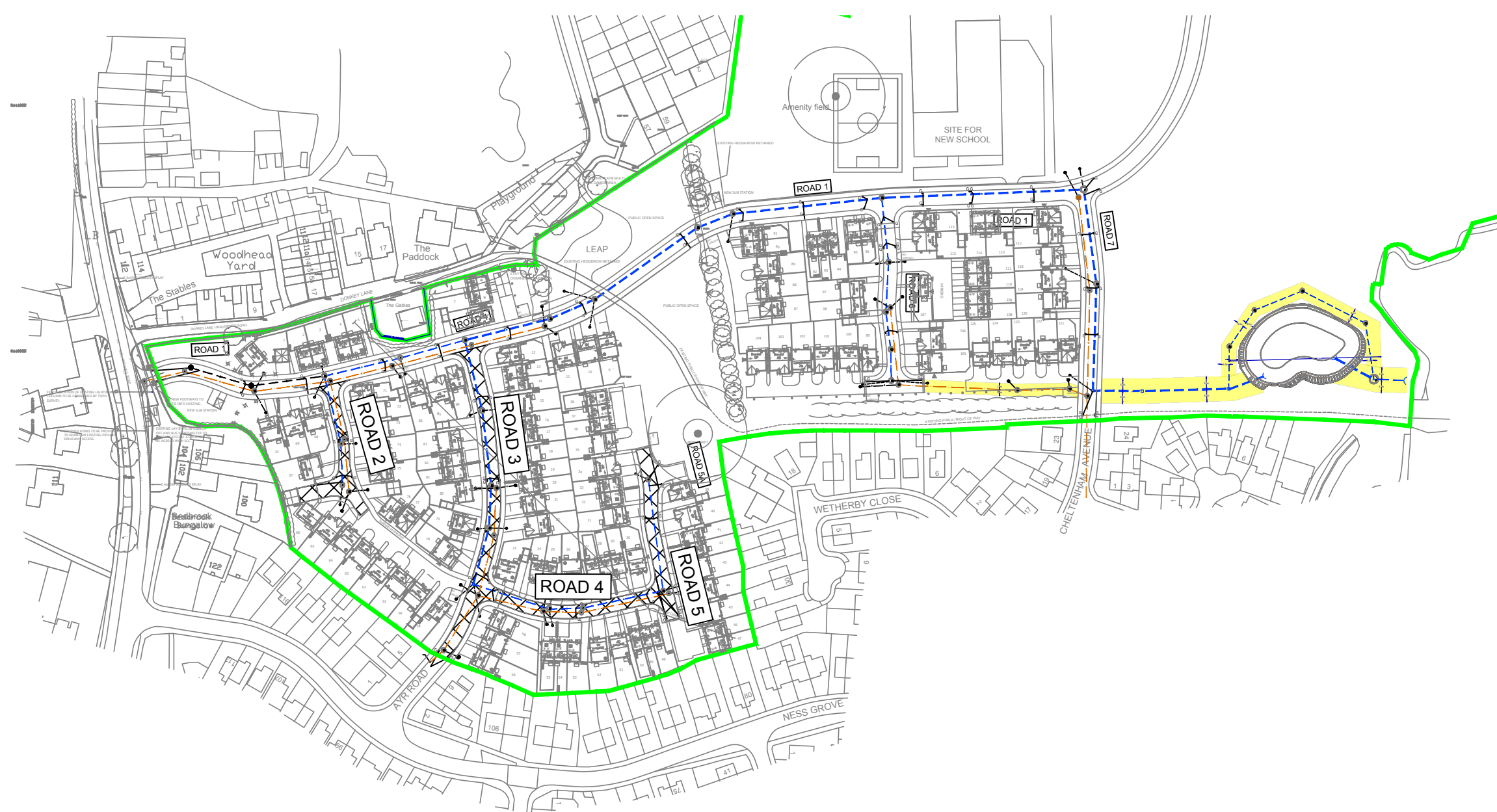


ROAD4									
CHARGE	-1.323	2.160	2.160						
EXISTING GROUND LEVEL	183.849	183.817	183.805	183.793	183.777	183.757	183.731	183.699	183.620
ALIGNMENT LEVEL				184.052	184.206	184.338	184.445	184.522	184.569
VERTICAL ALIGNMENT	G = 2.000% 1: 50.0	G = 2.000% 1: 50.0	G = 2.000% 1: 50.0	G = 2.000% 1: 50.0	L = 20.000 KF = -26.69667	L = 20.000 KF = -26.69667	L = 20.000 KF = -26.69667	G = 1.250% 1: 80.0	G = 1.250% 1: 80.0
HORIZONTAL ALIGNMENT					R = 57.459				
STORMWATER COVER LEVEL	183.684				184.271			184.500	184.695
STORMWATER INVERT	182.148				182.954			182.900	182.454
STORMWATER DETAILS			Pipe 1.003 Dia 300 Circular CLAY 1 in 50 Strength Min 72 kN/m Class S bed and surround		Pipe 1.002 Dia 300 Circular CLAY 1 in 50 Strength Min 72 kN/m Class S bed and surround			Pipe 1.001 Dia 300 Circular CLAY 1 in 50 Strength Min 72 kN/m Class S bed and surround	
STORMWATER LENGTHS			32.452		13.822			33.335	
FOULWATER COVER LEVEL	183.546				184.231			184.500	184.935
FOULWATER INVERT	183.112				182.111			182.450	182.440
FOULWATER DETAILS			Pipe 2.002 Dia 150 Circular CLAY 1 in 52 Strength Min 40 kN/m Class S bed and surround		Pipe 2.001 Dia 150 Circular CLAY 1 in 58 Strength Min 40 kN/m Class S bed and surround			Pipe 2.000 Dia 150 Circular CLAY 1 in 77 Strength Min 40 kN/m Class S bed and surround	
FOULWATER LENGTHS			27.182		15.697			36.433	

ROAD 4
Scale: 1:500 Horizontal
1:100 Vertical

[illegible]

ROAD 5
Scale: 1:500 Horizontal
1:100 Vertical



Location Plan
NTS

P4	18.02.21	Road 3 updated to suit new foul design	LGS	MS	
P3	25.02.20	Network 2 Numbers amended	GPY	GPY	
P2	12.06.19	Roads 1, 2 and 6 long sections have been updated to suit STW comments dated 29.05.19	EP	GPY	
P1	22.02.19	First Issue	GPY	MAR	
Rev.	Date	Amendment	Drawn	Chkd.	App.



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

Tel: +44 (0) 1928 726008
Fax: +44 (0) 1928 725633
Email: ide@rsk.co.uk
Web: www.rsk.co.uk

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


PERSIMMON

Ayr Road
Cheadle

DETAILED DESIGN

title
 Road & Sewer
 Longitudinal Sections
 Sheet 2 of 4

Drawn GPY	Date FEB 19	Checked MAR	Date Feb 19	Approved	Date
Scale H:1:500, V:1:100		Orig Size A0		Dimensions	
Project No. 881287			Drawing File		
Drawing No. 40-02-02				Rev. P4	

Scale 1:500

A horizontal scale bar with alternating black and white segments. It is marked with the numbers 0, 5, 10, 15, 20, and 25m. The total length of the bar represents 25 meters.