

File Location: Z:\P-LDE PROJECTS\890815- NEW PLACE FARM- PULBOROUGH\GRAPH\INFRASTRUCTURE\DRAWINGS\89- PLANNING\890815-RSK-ZZ-XX-DR-C-8013 TO 8022 LONG SECTIONS.DWG

ROAD17				
CHAINAGE		0.000		
EXISTING GROUND LEVEL	44.797		45.304	46.172
ALIGNMENT LEVEL	44.800	44.933	45.207	45.400
VERTICAL ALIGNMENT	G= 3.333% 1: 30.0			
HORIZONTAL ALIGNMENT				
LEFT HAND CHANNEL	44.531	44.865	45.198	45.331
RIGHT HAND CHANNEL	44.669	45.002	45.335	45.469
STORMWATER COVER LEVEL		44.962		
STORMWATER INVERT		42.952	42.952	
STORMWATER DETAILS	Pipe 9.000 Dia 225 Circular CLAY 1 in 169	Pipe 8.000 Dia 225 Circular CLAY 1 in 16		
STORMWATER LENGTHS	12.859	25.841		
FOULWATER COVER LEVEL		44.929		
FOULWATER INVERT				
FOULWATER DETAILS				
FOULWATER LENGTHS				

ROAD18				
CHAINAGE		0.000		
EXISTING GROUND LEVEL	41.067	2.750	5.963	40.467
ALIGNMENT LEVEL	41.250	40.906	40.431	39.856
VERTICAL ALIGNMENT	G= -4.749% 1: -21.1			
HORIZONTAL ALIGNMENT	R= 50.000	R= 102.700		
LEFT HAND CHANNEL	41.047	40.848	40.373	39.898
RIGHT HAND CHANNEL	41.098	40.951	40.476	40.001
STORMWATER COVER LEVEL			39.598	
STORMWATER INVERT			37.400	
STORMWATER DETAILS	Pipe 8.005 Dia 450 Circular CONC 1 in 21			
STORMWATER LENGTHS	38.729			

ROAD19				
CHAINAGE		0.000		
EXISTING GROUND LEVEL	41.084	41.480	41.685	41.756
ALIGNMENT LEVEL	41.480	41.685	41.855	42.069
VERTICAL ALIGNMENT	G= 3.239% 1: 30.9	KF= 5.01398 L= 10.000	G= 5.233% 1: 19.1	KF= 12.00071 L= 20.000
HORIZONTAL ALIGNMENT	R= 50.000	R= 24.750	R= 10.400	R= 9.500
LEFT HAND CHANNEL	41.570	41.717	42.138	42.657
RIGHT HAND CHANNEL	41.616	42.001	42.519	43.042
STORMWATER COVER LEVEL	41.403	42.815	44.713	46.388
STORMWATER INVERT	39.642	40.000	43.000	44.852
STORMWATER DETAILS	Pipe 11.002 Dia 225 Circular CLAY 1 in 94	Pipe 11.001 Dia 225 Circular CLAY 1 in 12	Pipe 11.000 Dia 225 Circular CLAY 1 in 14	
STORMWATER LENGTHS	33.678	35.810	25.940	
FOULWATER COVER LEVEL		42.830		
FOULWATER INVERT		40.000		
FOULWATER DETAILS	Pipe 2.000 Dia 150 Circular CLAY 1 in 20			
FOULWATER LENGTHS	31.276			

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 the Standard Details, the layouts, schedules and specification for this project.
- All adoptable drainage to be constructed in conjunction with Design and Construction Guidance for Drainage or as stipulated in Southern Water Addendum.
- For guidance on types and distances of proposed trees away from adoptable sewers refer Design and Construction Guidance for Drainage Restrictions On Tree Planting Adjacent To Sewers.
- 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:-  
$$\text{Level @ 'X' = Level @ start of the curve} + \frac{AX}{100} + \frac{(A-B)X^2}{200L}$$
  
where A and B are the gradients at the start and end of the curve respectively and having the algebraic signs +/,- .
- LHG and RHG indicates a left and right hand gully respectively.
- Pipe sizes are stated in millimetres and levels are shown in metres A.O.D.
- All pipes to have flexible joints with granular bedding ( ClaS 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.
- All concrete pipes to be CLAS 'M' All clay pipes shall comply with BSEN 295-1 crushing strengths and shall have a minimum crushing strength of 34KN/m. All Concrete pipes 3000 and above shall be claS 120 and have a minimum crushing strength of 36kn/m
- MV' is equal to the rate of change of gradient and is calculated from the formula:-  
$$MV = 100 \times \frac{(A-B)}{L}$$
  
where A and B are as in Note 4 above.
- Existing levels to be confirmed on site prior to commencement of works.

P03	13.12.2024	Issued for PLANNING RESUBMISSION	SB	GXA	RD
P02	25.10.2024	Issued for PLANNING	SH	GXA	RD
P01	20.09.2024	Preliminary Issue	LN	GXA	RD
Rev.	Date	Amendment	Drawn	Chkd.	Appd.



Client  
**BARRATT DAVID WILSON  
(SOUTHERN COUNTIES)**

Project Title  
**NEW PLACE FARM  
PULBOROUGH  
WEST SUSSEX**

Status  
**PLANNING**

Drawing Title  
**LONG SECTION  
ROADS 17, 18, 19 AND 20**

Drawn LN	Date 09.24	Checked GXA	Date 09.24	Approved RD	Date 09.24
Scale 1:500		Orig Size A1		Dimensions m	
Project No. 890815			Drawing File 890815-RSK-ZZ-XX-DR-C-8013 to 8022 Long Sections.dwg		
Drawing No.					Rev.
890815	RSK	ZZ	XX	DR	C 8020 P03
Project	Orig.	Vol./Sys.	Lev./Loc.	Type	Role
Scale 1:500					
					