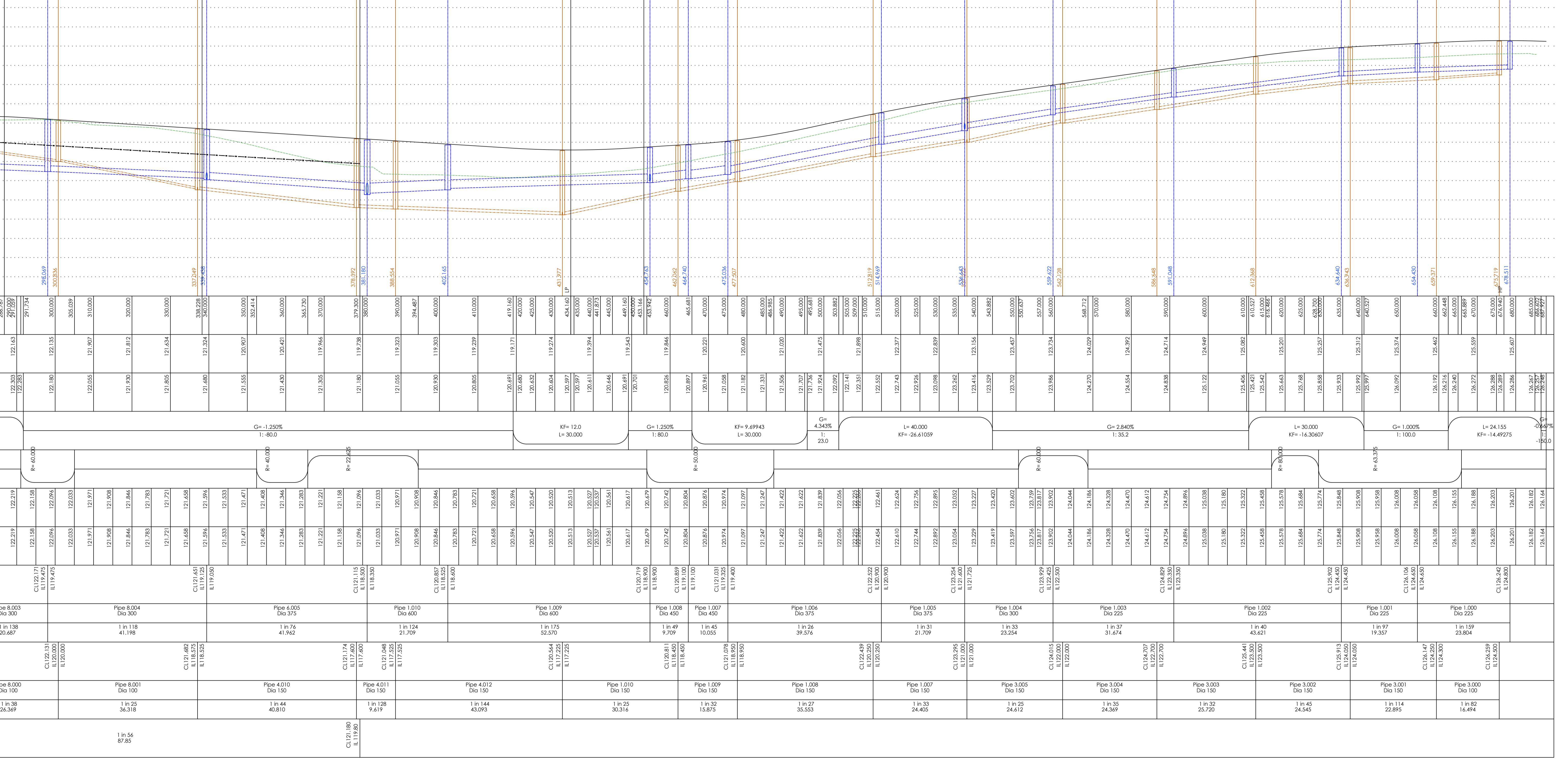


**Notes**

- This drawing is to be read in conjunction with the Standard Details, the Layouts and, schedules and specification for this project.
- A +1% gradient represents a rise of 1m in 100m.
- Left and Right hand channels are on the left and right sides respectively, when standing at Chainage Zero and looking up the road.
- A level "y" at a point "x"m from the start of a vertical curve is given by the formula:  

$$y = \text{Level at start of curve} + (A \times x / 100) - ((A - B) \times x^2) / 200L$$
 where: "A" and "B" are the gradients at the start and end of the curve respectively, and having the algebraic signs + or -.  
 "L" is the length of vertical curve. A is denoted as the gradient given as a percentage divided by 100.
- Pipe sizes are shown in millimetres and levels shown in metres AOD.
- All pipes to have flexible joints with granular bed and surround (Class S) unless otherwise stated. Where cover under roads or vehicular access areas is less than 1200mm, then Concrete slab protection as per details should be used.
- Connections to existing sewers are to be Soffit to Soffit, unless otherwise noted.
- All pipes to be either:  
 Vitrified Clay pipes to EN295 (BS65) and are to be Extra Strength.  
 Concrete pipes to BS5911.
- Channel Blocks required when gradient is less than 1%.
- Unless otherwise stated - all drainage to be adopted by Drainage Authority under a S104 Agreement of the Water Industry Act. Any Highway drainage or gully connections to be adopted under Section 38 of the Highways Act.



 <p>David Wilson Mercia Remus 2 2 Cranbrook Way Sollihull Business Park Sollihull B90 4GT</p>	<p>STATUS: Subject to Approval</p>	<p>TITLE: Longitudinal Section Sheet 2 Road A</p>	 <p>INFRASTRUCTURE DESIGN LIMITED 33 The Point Market Harborough Leicestershire, LE16 7QU Tel: 01858 411570 Fax: 01858 411571</p>																														
				<p>SCALE: H 1:500 V 1:100</p> <p>DATE: April 2019</p> <p>DRAWN: LB</p>	<p>PROJECT: White Post Road, Bodicote</p> <p>DRG. No: 957-04-02 Rev D</p>																												
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