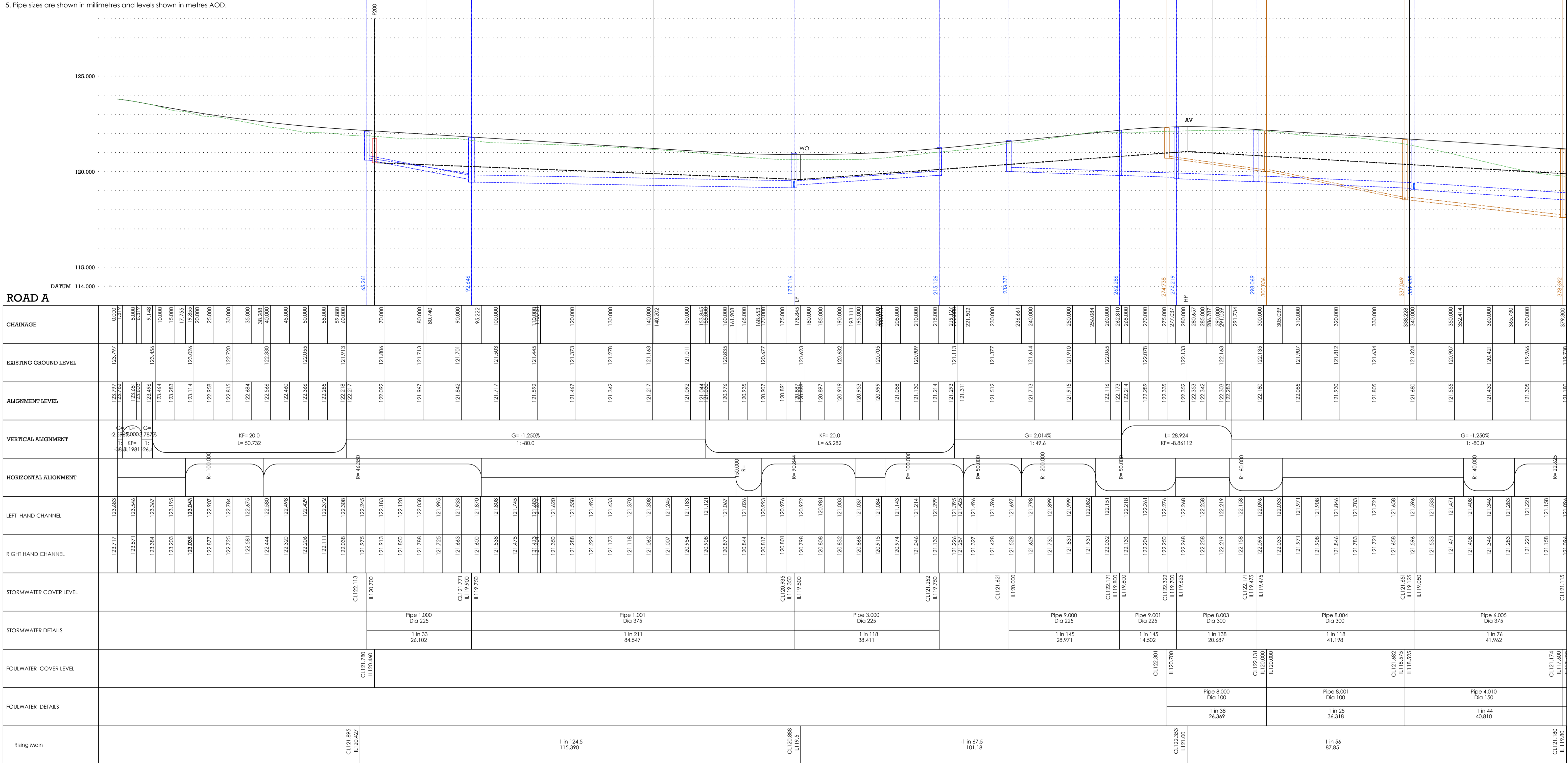


- Notes**
1. This drawing is to be read in conjunction with the Standard Details, the Layouts and, schedules and specification for this project.
 2. A +1% gradient represents a rise of 1m in 100m.
 3. Left and Right hand channels are on the left and right side respectively, when standing at Chainage Zero and looking up the road.
 4. A level "Y" at a point "X" from the start of a vertical curve is given by the formula:
$$y = \text{Level at start of curve} + (A \cdot x/100) - ((A - B) \cdot x^2)/200L$$
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.
 5. Pipe sizes are shown in millimetres and levels shown in metres AOD.
 6. 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.
 7. Connections to existing sewers are to be Soffit to Soffit, unless otherwise noted.
 8. All pipes to be either: Vitrified Clay pipes to EN295 (B565) and are to be Extra Strength. Concrete pipes to BS5911.
 9. Channel Blocks required when gradient is less than 1%.
 10. 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.

Refer to S278 drawings for this area



REV	DESCRIPTION	REV	DESCRIPTION	DATE
G	Run F90-F91-F50 amended			16.01.20
F	Redesigned for Repton			20.12.19
E	S278 Drainage amended			8.11.19
C	Rising Main amended			04.09.19
B	Rising Main added			02.09.19
A	Detailed design			10.06.19

STATUS:	Subject to Approval		TITLE:	Longitudinal Section Sheet 1 Road A	
SCALE:	H 1:500 V 1:100		PROJECT:	White Post Road, Bodicote	
DATE:	April 2019		DRG. No.:	957-04-01 Rev G	
DRAWN:	LB				

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