



Road 1

Datum: 125.000M AOD		
MANHOLE COVER LEVELS APPROX (m)		
SURFACE WATER SEWER INVERT LEVELS (m)		
FOUL WATER SEWER INVERT LEVELS (m)		
MANHOLE DIAMETER (mm)		
CHANGEOFF ON CENTRELINE (m)		
LEVELS ON CENTRELINE OF CARRIAGEWAY (m)		
LEVELS ON LEFT HAND CHANNEL (m)		
LEVELS ON RIGHT HAND CHANNEL (m)		
VERTICAL DESIGN ON CARRIAGEWAY CENTRELINE		
HORIZONTAL DESIGN ON CARRIAGEWAY CENTRELINE		
EXISTING LEVELS (m)		

- Legend**
- Existing Ground Level
  - Proposed Carriageway Level
  - Proposed 1:20 Carriageway Level
  - Proposed Surface Water Drainage
  - Proposed Highway Drainage
  - Proposed Foul Water Drainage

- Notes**
1. This drawing is to be read in conjunction with the standard details, the layouts, schedules and specifications for the development.
  2. A 1% gradient represents a rise of 1m in 100m.
  3. Left and right hand drainage are on the left and right hand side respectively, when standing at zero change and looking along the road.
  4. A level at any point 'x' m from the start of a vertical curve is given by the formula:  

$$\text{level@'x' level@ start of curve} + \frac{ax}{100} - \frac{ax^2}{200}$$
 where 'a' and 'x' are the gradients at the start and end of the curve respectively and having the algebraic sign +/-
  5. Pipe sizes are stated in millimetres and levels are shown in metres A.O.D.
  6. All pipes to have flexible joints with granular bedding (class 3) unless stated otherwise, where 10mm concrete bed and surrounds is specified the concrete must be broken at the joint positions by the insertion of a 'flexcell' collar.
  7. Connections to existing sewers are to be soft to suit unless noted otherwise.
  8. All vitrified CLAYs to be extra strength to BS 65: 65: 1991.
  9. 'W' is equal to the rate of change of gradient and is calculated from the formula:  

$$W = 100 \times \frac{A - B}{L}$$
 Where A and B are as in note 4 above.
  10. Existing levels to be confirmed on site prior to commencement of works.
  11. All CONCs to be class 'M'.
  12. Refer to Bath Associates drainage layout drawing HD0712-001 with level sector guidance Appendix C (2003).
  13. All applicable drainage is to be designed and constructed in accordance with level sector guidance Appendix C (2003).

Details on this drawing are subject to technical approvals

A: 10/23 Date: 10/23  
 WAK: 10/23 Date: 10/23  
 Drawing originator: Revision history:  
 Client: **Wain HOMES**  
 Project title: **Dinting Vale Glossop**  
 Drawing title: **Road 1 Longitudinal Section Showing 1:10 and 1:20 options**  
 Scale: 1:100(N), 1:500(V) for the original size of A0  
 Drawn by: NR Checked by: [ ] Pinned by: [ ] Date: Jan' 23  
 Drawing status: For Information  
 Job No: [ ] Drawing No: [ ] Project Origin: [ ] Volume: [ ] Layer: [ ] Type: [ ] Date: [ ] Number: [ ]  
 HYD712 | XX | BET | XX | XX | DR | C | 0014 | P01  
 Do not scale this drawing  
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