

The Contractor is to check and verify in conjunction with the Architects details all setting out points, building and site dimensions, levels and sewer invert levels at connection points and ensure that they are fully compliant with the contents and requirements of the site investigation report before work starts. The Contractor is to comply in all respects with current building legislation, British Standard Specifications, Building Regulations etc, whether or not specifically stated on this drawing.

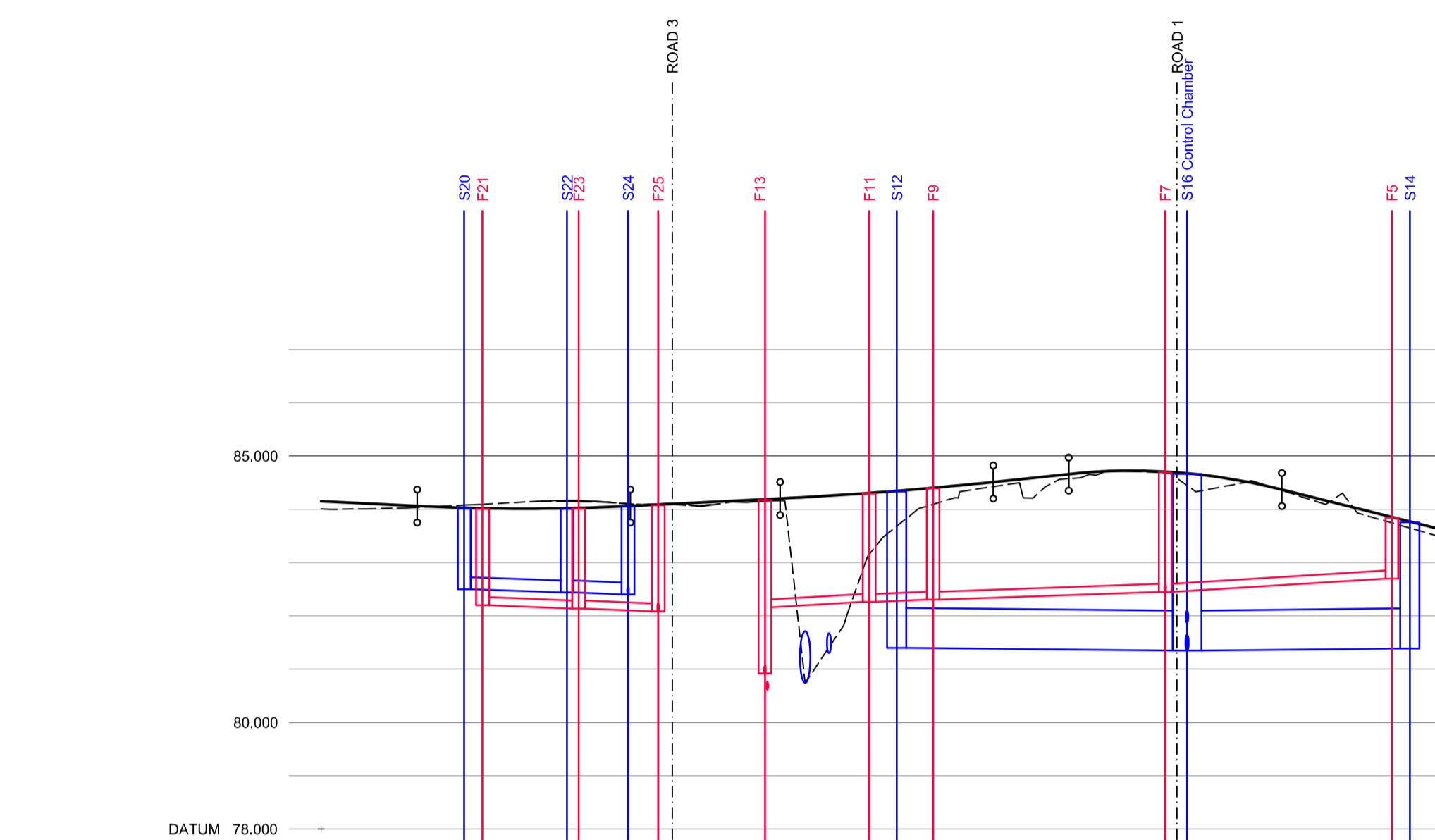
This drawing is not intended to show details of ground conditions or ground contaminants. Each area of ground referred to in support of any structure depicted (including drainage) must be investigated by the Contractor any areas of formation for said structures which do not accord with the anticipated conditions as described in the site investigation report are to be immediately notified to the Engineer, where applicable. Any suspect fluid ground or ground contaminants on or within the ground should be further investigated by a suitable expert. Any earthworks shown indicate typical slopes for guidance only and should be investigated further by a suitable geotechnical expert.

Where existing trees are shown to be retained they should be subject to a full Arboricultural Inspection for safety. All trees are to be planted so as to ensure they are a minimum of 5 metres from buildings and 3 metres from drainage and services, where applicable. A foundation is to be provided to accommodate the proposed tree planting, where applicable.

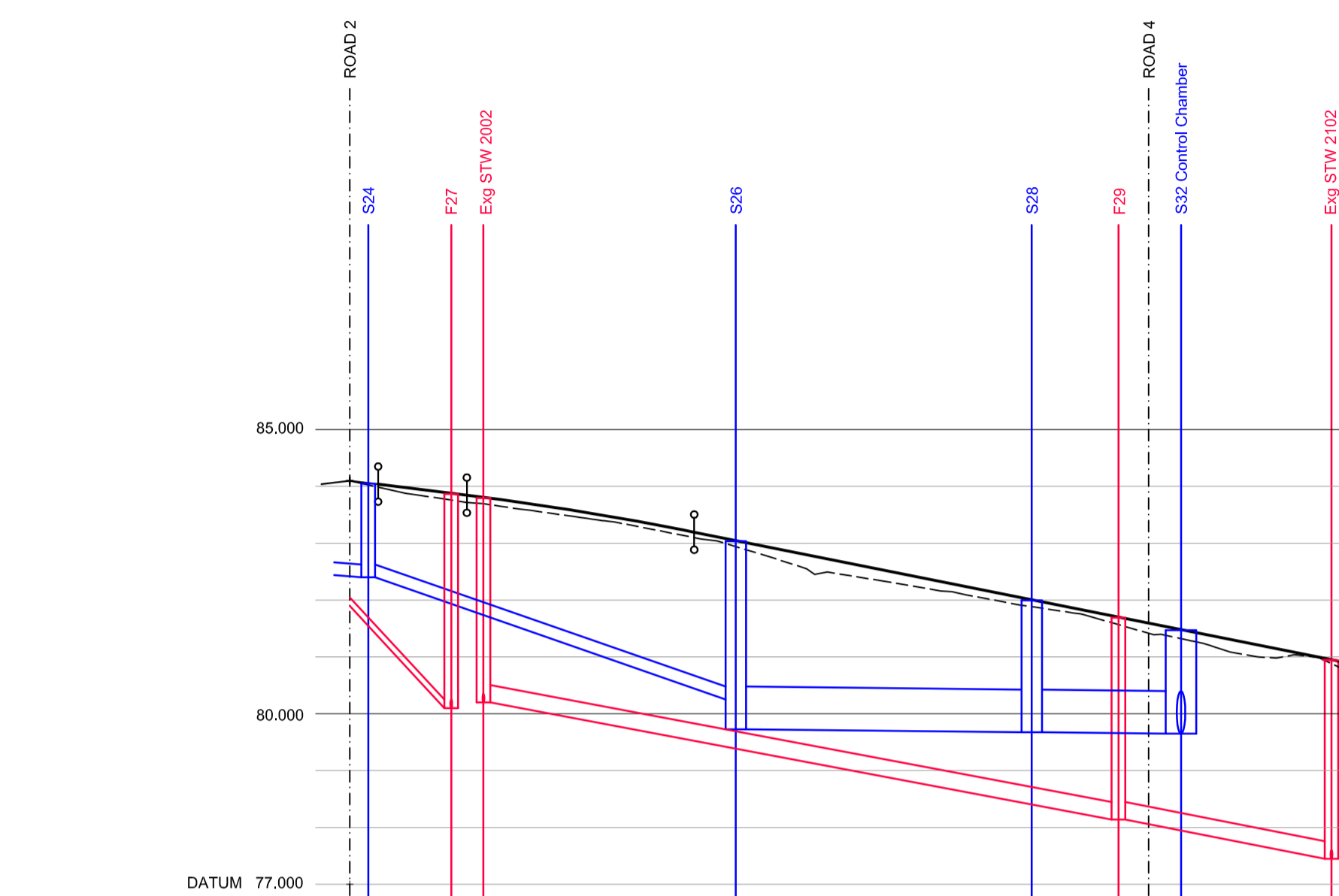
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- GENERAL NOTES**
- This drawing is to be read in conjunction with relevant architectural and engineering drawings.
 - Levels indicated in blocks are Finished floor levels and are 150mm above adjacent finished ground levels unless otherwise shown.
 - Levels of the existing road at the point of tie-in with proposed site road must be checked prior to commencement of works.
 - Any discrepancies between the details shown and actual on site conditions to be reported immediately to the engineer prior to commencement of works.

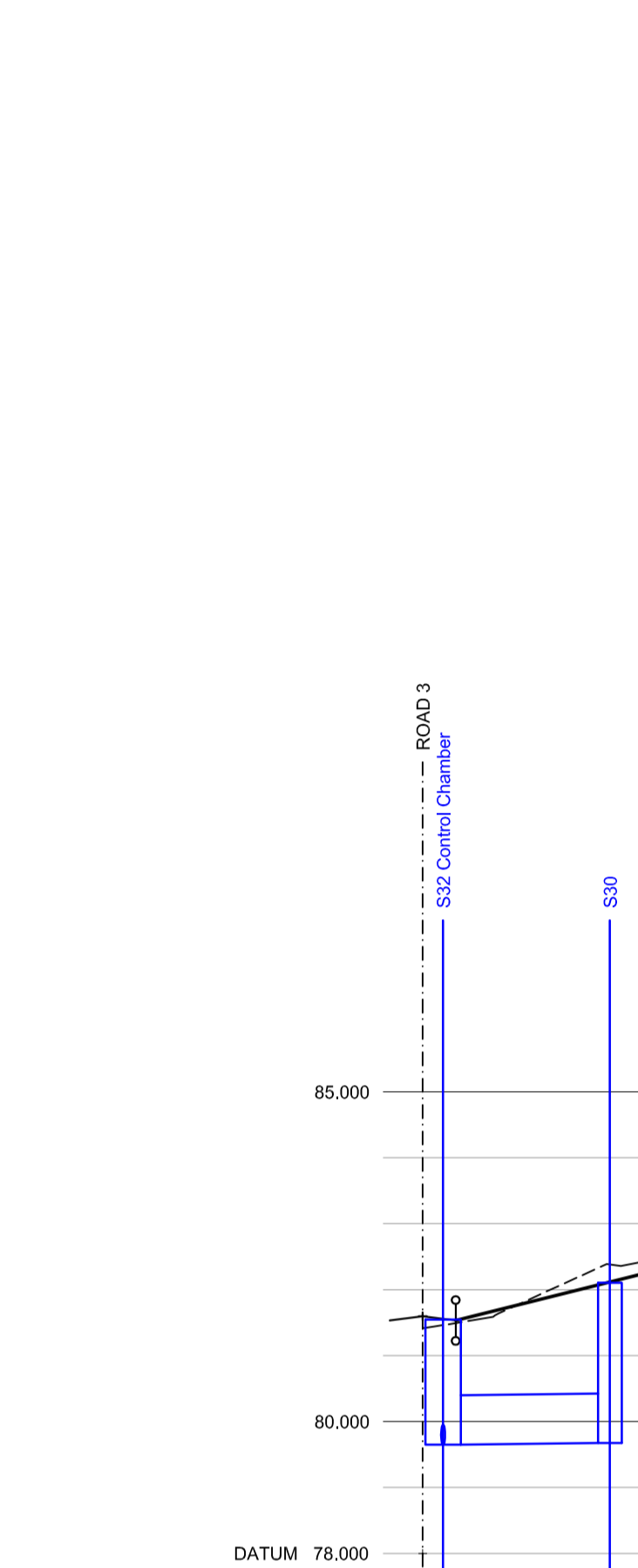
- ADOPTABLE ROADS AND SEWERS**
- Roads, footways and parking bays which form part of the highway to be adopted under Section 36 of the Highways Act 1980 shall comply with the requirements of the Adopting Authority.
 - Sewers to be adopted under Section 104 of the Water Industries Act 1991 shall comply with the Water Authorities Association "Sewers for Adoption 6th Edition" with any amendments specified by the Adopting Water Authority.
 - All pipes to be used in adoptable sewerage shall be either clayware to BS EN 295 or concrete to BS EN 1916 and BS 5911: Part 1 with Class 5 bedding unless otherwise stated. With approval of the Adopting Authority solid wall concrete external (to reinforced uPVC pipes complying with the relevant provisions of BS EN 13476) may be used.
 - Where cover to a pipe is more than 1200mm under adoptable carriageway the trench shall be filled to formation of the carriageway with well compacted DTP Type 1 material.
 - Where cover to a pipe is less than 1200mm under adoptable carriageway it shall be provided with concrete protection in accordance with the specification of the adopting authority and back filled to formation of the carriageway with well compacted DTP Type 1 material. Where concrete bed and surround is specified flexibility of joints is to be maintained by using compressible bitumen impregnated fibreboard at each pipe joint.
 - All existing drainage invert levels, diameters and locations are to be checked by the Contractor prior to the commencement of any proposed drainage work. Any difference between actual and drawn details is to be reported to the Engineer immediately.
 - Positions of existing services/statutory undertakers apparatus adjacent to or crossing proposed sewers is to be checked by the Contractor prior to starting work.



CHAINAGE	EXISTING GROUND LEVEL	ALIGNMENT LEVEL	VERTICAL ALIGNMENT	HORIZONTAL ALIGNMENT	STORMWATER COVER LEVEL	STORMWATER INVERT	STORMWATER DETAILS	STORMWATER LENGTHS	FOULWATER COVER LEVEL	FOULWATER INVERT	FOULWATER DETAILS	FOULWATER LENGTHS
0.000	84.005	84.152	G = -1.000% 1: -100.0									
9.022	84.043	84.081	KF= 10.0 L= 20.000	R= 7.400	84.027	82.500	Pipe 1.000 Dia 225 Circular CLAY 1 in 150	9.276	84.019	82.200	Pipe 1.000 Dia 150 Circular CLAY 1 in 150	9.470
15.000	84.019	84.019										
18.025	84.146	84.011										
20.000	84.072	84.072										
25.000	84.022	84.022										
27.042	84.084	84.084										
28.000	84.071	84.071										
30.000	84.129	84.129										
36.000	84.171	84.171										
40.000	84.202	84.202										
41.652	84.222	84.222										
45.000	84.284	84.284										
50.000	84.360	84.360										
51.433	84.450	84.450										
54.000	84.512	84.512										
59.433	84.657	84.657										
60.000	84.690	84.690										
63.076	84.720	84.720										
70.000	84.722	84.722										
70.161	84.695	84.695										
75.000	84.628	84.628										
76.077	84.581	84.581										
79.200	84.581	84.581										
80.000	84.370	84.370										
81.265	84.376	84.376										
85.000	83.773	83.878										
100.000	83.513	83.651										
104.500												



CHAINAGE	EXISTING GROUND LEVEL	ALIGNMENT LEVEL	VERTICAL ALIGNMENT	HORIZONTAL ALIGNMENT	STORMWATER COVER LEVEL	STORMWATER INVERT	STORMWATER DETAILS	STORMWATER LENGTHS	FOULWATER COVER LEVEL	FOULWATER INVERT	FOULWATER DETAILS	FOULWATER LENGTHS
2.500	84.095	84.040	G = -2.500% 1: -40.0									
6.476	83.866	83.845	L= 20.000 KF= -13.33333	R= 20.000	84.081	82.400	Pipe 1.002 Dia 225 Circular CLAY 1 in 16	33.899	83.879	80.200	Pipe 1.002 Dia 150 Circular CLAY 1 in 5	9.934
7.802	83.672	83.645										
10.755	83.672	83.672										
15.000	83.645	83.645										
17.321	83.392	83.484										
19.000	83.392	83.392										
25.000	83.304	83.304										
27.802	83.195	83.195										
30.000	83.107	83.107										
31.453	82.707	82.707										
40.000	82.153	82.307										
50.000	82.153	82.307										
57.489	81.907	81.907										
60.000	81.907	81.907										
65.136	81.507	81.507										
67.790	81.347	81.347										
70.000	81.107	81.107										
73.720	80.903	80.903										
80.000	80.768	80.768										
82.000												



CHAINAGE	EXISTING GROUND LEVEL	ALIGNMENT LEVEL	VERTICAL ALIGNMENT	HORIZONTAL ALIGNMENT	STORMWATER COVER LEVEL	STORMWATER INVERT	STORMWATER DETAILS	STORMWATER LENGTHS	FOULWATER COVER LEVEL	FOULWATER INVERT	FOULWATER DETAILS	FOULWATER LENGTHS
-2.500	81.416	81.416	G = 5.000% 1: 20.0									
0.312	81.494	81.533	G = 5.000% 1: 20.0	R= 7.400	81.450	79.649	Pipe 1.004 Dia 750 Circular CONC 1 in 500	13.159	81.450	79.649	Pipe 2.000 Dia 750 Circular CONC 1 in 506	13.163
10.000	82.254	82.033										
11.656	82.254	82.033										
13.929	82.412	82.229										

**PRELIMINARY
DRAWING**
SUBJECT TO APPROVAL

Rev.	Description	Date	By
Client			
Project	Pennycroft Lane Uttoxeter		
Title	Longitudinal Sections Sheet 2 of 2		

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Scale	1:500 H & 1:100 V @ A1	Drawn	LH
Date	November 2014	Checked	SCM
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