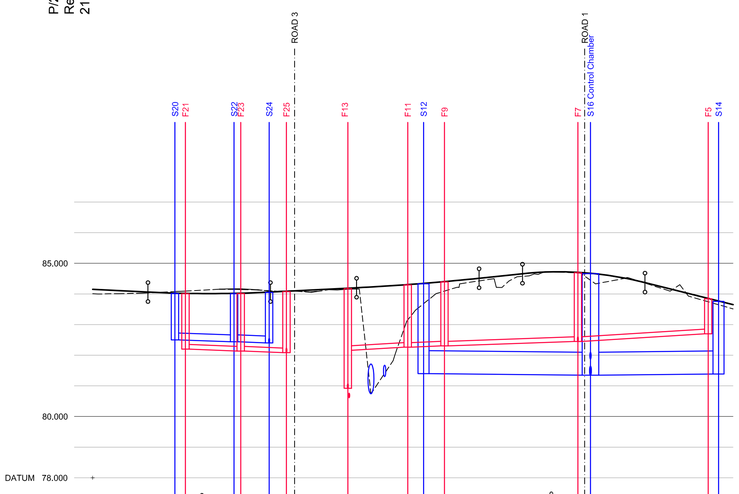
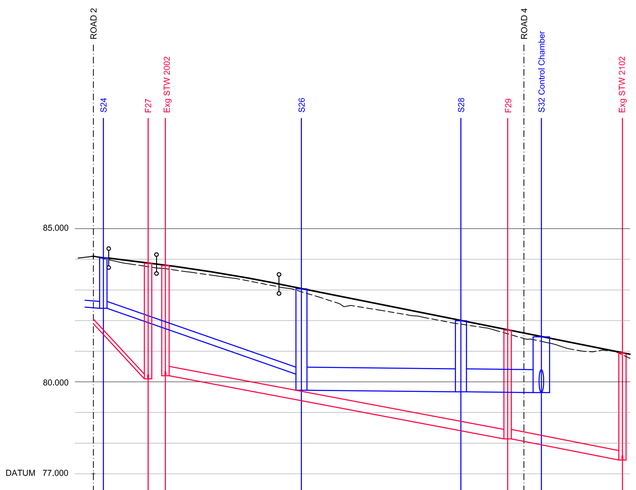
P/2016/00440
Received
21/03/2016



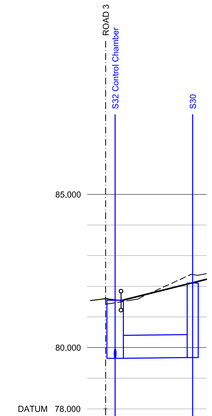
ROAD 2

CHAINAGE	0.000	9.022	10.000	15.000	18.005	18.695	20.695	26.000	27.884	28.884	29.025	30.000	32.950	36.900	40.000	44.556	44.976	45.000	50.000	50.433	54.000	55.000	57.423	59.433	60.000	63.076	70.000	70.161	75.000	76.071	79.722	80.000	80.695	81.261	85.000	90.000	90.181	100.000	100.600	102.171	104.530
EXISTING GROUND LEVEL	84.095	84.043		84.146							84.084			84.129				82.409						84.333			84.572			84.626					84.365		83.773			83.513
ALIGNMENT LEVEL	84.152	84.061	84.052	84.019	84.011	84.012	84.022	84.061	84.071	84.084				84.171	84.202	84.222	84.284	84.360	84.450	84.512	84.657	84.660	84.720	84.722	84.695	84.581	84.370	84.378	83.878												83.651
VERTICAL ALIGNMENT		G= -1.000% 1: -100.0		KF= 10.0 L= 20.000				G= 1.000% 1: 100.0		KF= 18.22313 L= 20.000		G= 2.098% 1: 47.7		L= 20.000 KF= -2.81789		G= -5.000% 1: -20.0	
HORIZONTAL ALIGNMENT					R= 7.400			R= 20.000		R= 15.000							
STORMWATER COVER LEVEL						84.027		84.019	84.059					84.344													84.674									83.769			
STORMWATER INVERT						82.500	82.438	82.400						81.400													81.346								81.346		81.388			
STORMWATER DETAILS						Pipe 1.000 Dia 225 Circular CLAY 1 in 150		Pipe 1.001 Dia 225 Circular CLAY 1 in 150						Pipe 3.000 Dia 750 Circular CONC 1 in 500															Pipe 4.000 Dia 750 Circular CONC 1 in 498											
STORMWATER LENGTHS						9.276		5.693						27.015													20.918											
FOULWATER COVER LEVEL						84.019		84.024		84.087			84.187			84.304			84.402			84.704					83.654											
FOULWATER INVERT						82.200	82.137	82.137	82.085		80.919	82.161		82.261	82.304	82.304		82.450	82.450			82.700																
FOULWATER DETAILS						Pipe 1.000 Dia 150 Circular CLAY 1 in 150		Pipe 1.001 Dia 150 Circular CLAY 1 in 150			Pipe 1.004 Dia 150 Circular CLAY 1 in 7		Pipe 1.003 Dia 150 Circular CLAY 1 in 150		Pipe 1.002 Dia 150 Circular CLAY 1 in 150			Pipe 2.000 Dia 150 Circular CLAY 1 in 85																			
FOULWATER LENGTHS						9.470		7.819			9.932		6.456		21.954			21.271																				



ROAD 3

CHAINAGE	-2.500	-0.955	0.000	0.045	6.420	7.862	9.220	10.769	15.000	17.321	19.880	20.000	25.000	27.892	30.000	31.458	40.000	50.000	57.498	60.000	65.126	67.780	70.000	72.344	73.720	80.000	83.865	84.083
EXISTING GROUND LEVEL	84.095	83.986		83.672					83.392				83.029				82.479	82.153	81.808		81.347					81.017		80.768
ALIGNMENT LEVEL	84.040		83.845	83.788				83.645	83.484			83.304	83.195	83.107			82.707	82.307	81.907		81.507					81.107		80.903
VERTICAL ALIGNMENT		G= -2.500% 1: -40.0		L= 20.000 KF= -13.33333				G= -4.000% 1: -25.0																				
HORIZONTAL ALIGNMENT			R= 20.000			R= 250.000										R= 7.500	R= 7.500											
STORMWATER COVER LEVEL	84.061								83.048						81.993					81.481								
STORMWATER INVERT		82.490								80.252	79.727					79.675	79.675		79.649									
STORMWATER DETAILS			Pipe 1.002 Dia 225 Circular CLAY 1 in 16									Pipe 1.003 Dia 750 Circular CONC 1 in 500							Pipe 1.004 Dia 750 Circular CONC 1 in 500										
STORMWATER LENGTHS			33.899									26.039							13.159									
FOULWATER COVER LEVEL	83.879	83.750																										
FOULWATER INVERT	80.100	80.200																										
FOULWATER DETAILS	Pipe 1.002 Dia 150 Circular CLAY 1 in 5																											
FOULWATER LENGTHS	9.934																											



ROAD 4

CHAINAGE	-2.500	-0.955	0.000	0.045	10.000	11.586	13.929
EXISTING GROUND LEVEL	81.416	81.404			82.254		82.412
ALIGNMENT LEVEL	81.533				82.033		82.229
VERTICAL ALIGNMENT				G= 5.000% 1: 20.0			
HORIZONTAL ALIGNMENT							
STORMWATER COVER LEVEL	81.450				82.100		
STORMWATER INVERT		79.649			79.675		
STORMWATER DETAILS				Pipe 2.000 Dia 750 Circular CONC 1 in 506			
STORMWATER LENGTHS				13.163			

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 conversant 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 relied upon to support 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

1. This drawing is to be read in conjunction with relevant architectural and engineering drawings.

2. Levels Indicated in blocks are Finished floor levels and are 150mm above adjacent finished ground levels unless otherwise shown.

3. Levels of the existing road at the point of tie-in with proposed site road must be checked prior to commencement of works.

4. 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

1. Roads, footways and parking bays which form part of the highway to be adopted under Section 38 of the Highways Act 1980 shall comply with the requirements of the Adopting Authority.

2. 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.

3. 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 S bedding unless otherwise stated. With approval of the Adopting Authority solid wall concentric external rib reinforced uPVC pipes complying with the relevant provisions of BS EN 13476 may be used.

4. 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.

5. 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.

6. 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.

7. Positions of existing services/statutory undertakers apparatus adjacent to or crossing proposed sewers is to be checked by the Contractor prior to starting work.

PRELIMINARY DRAWING

SUBJECT TO APPROVAL

Rev.	Description	Date	By

Client

East Staffordshire Borough Council

Project

Pennycroft Lane
Uttoxeter

Title

Longitudinal Sections
Sheet 2 of 2

BANNERS GATE
CIVIL, STRUCTURAL & ARCHITECTURAL DESIGN SERVICES
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P/2014/01663

Received 23/12/14

Scale	1:500 H & 1:100 V @ A1	Drawn	LH
Date	November 2014	Checked	SCM
File	14102/dwgs/civils	Drawing	14102 / 201