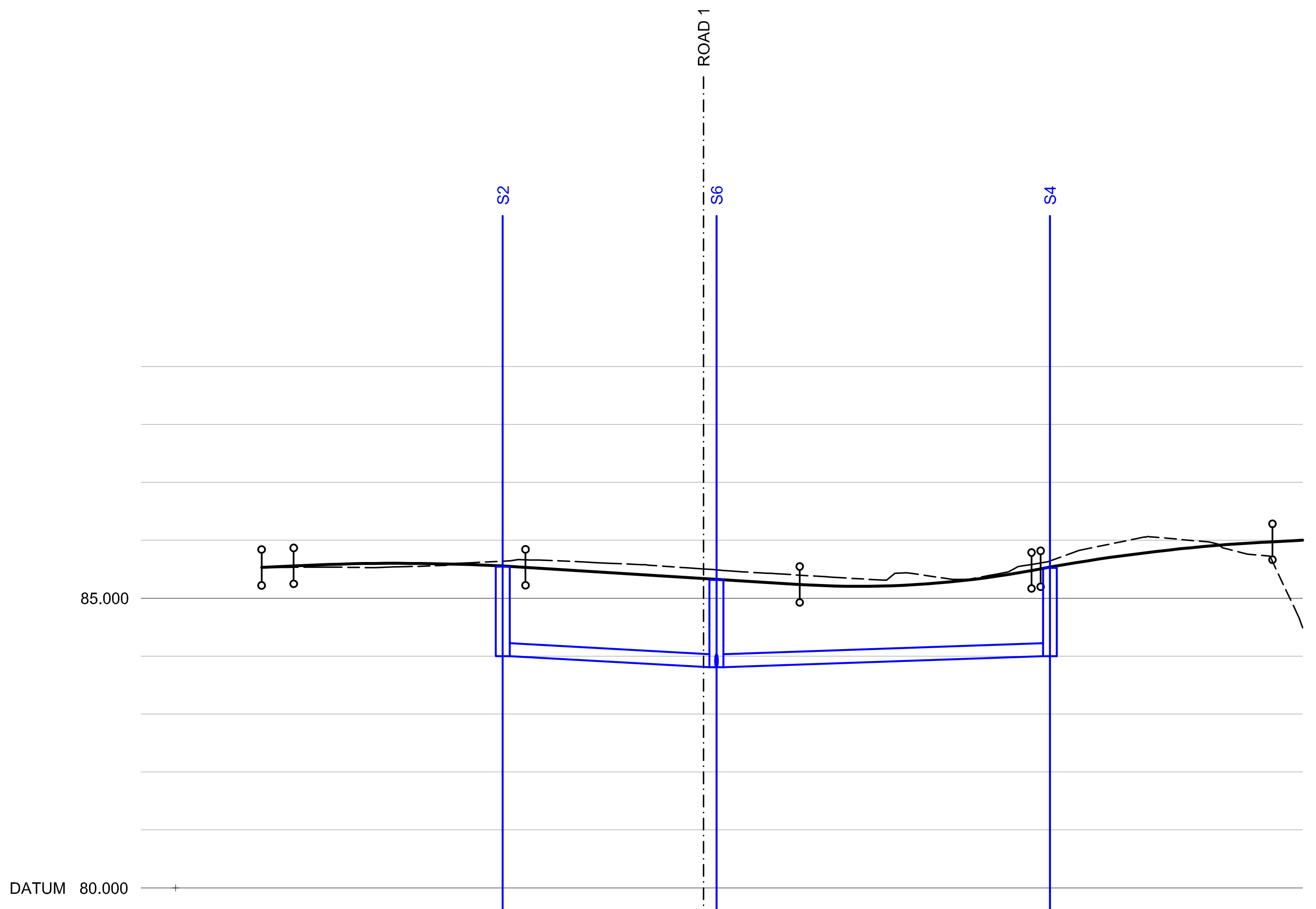
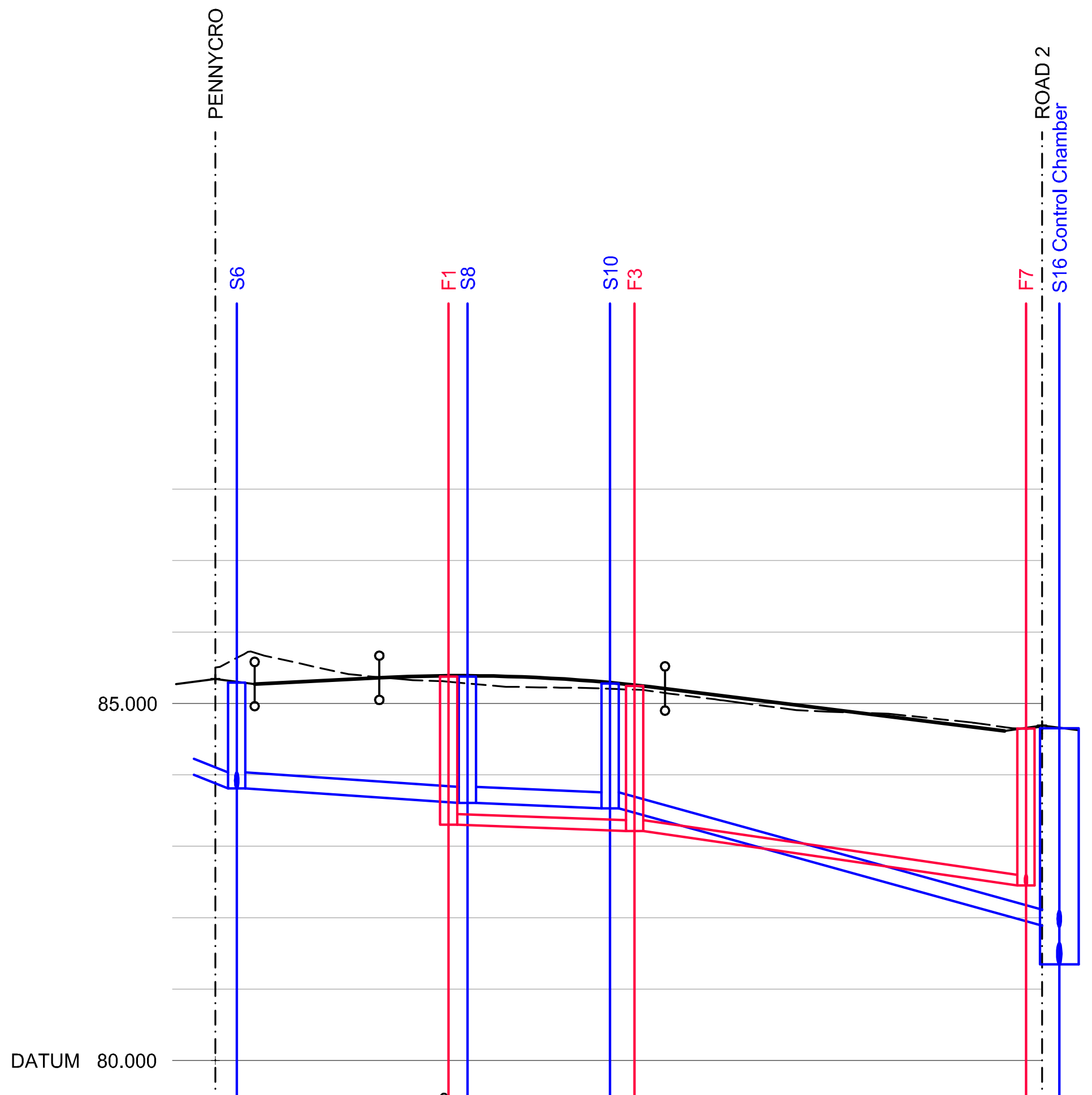


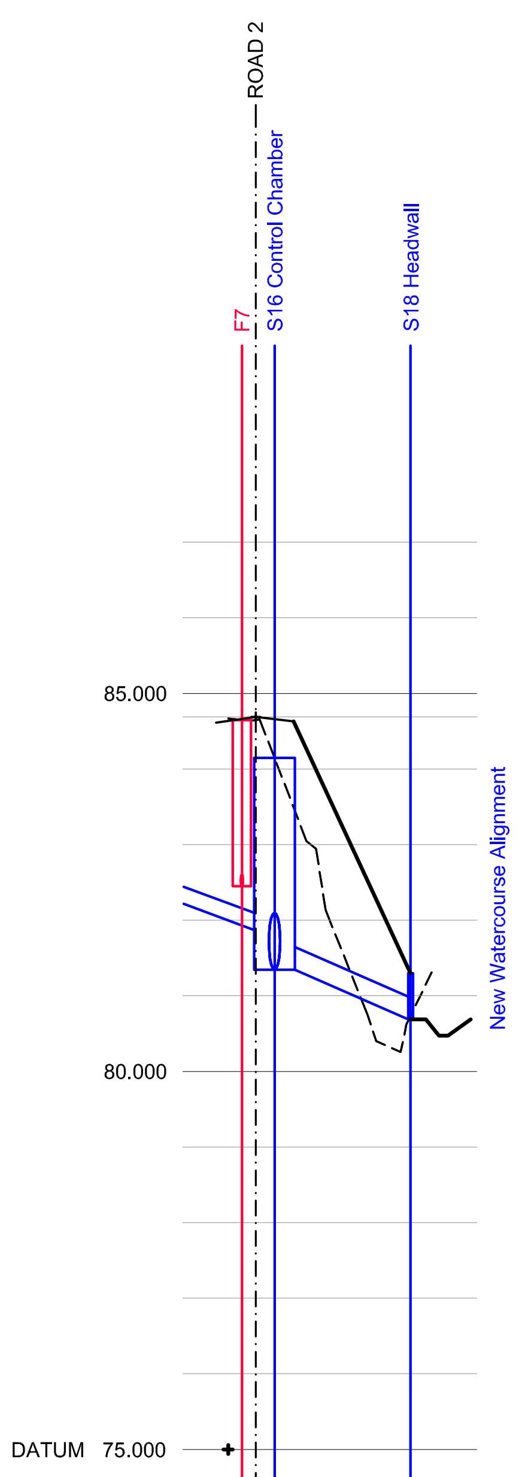
PENNYCRO

CHAINAGE	0.000 5.711 7.411 10.000 9.639 10.181 15.000 19.070 20.000 23.044 25.000 25.548 28.213 30.000 30.181 40.000 44.243 45.534 46.658 50.000 51.938 53.840 55.000 58.925 60.000 65.000 70.000 70.156 73.890 73.840 74.629 75.000 75.429 80.000 85.000 90.000 94.629 97.221
EXISTING GROUND LEVEL	85.534 85.545 85.664 85.582 85.443 85.323 85.385 85.909 85.924 84.489
ALIGNMENT LEVEL	85.530 85.556 85.558 85.593 85.602 85.602 85.582 85.535 85.533 85.410 85.285 85.237 85.224 85.205 85.207 85.251 85.356 85.479 85.507 85.521 85.685 85.816 85.914 85.974 86.000
VERTICAL ALIGNMENT	G= 1.000% 1: 100.0 L= 20.000 KF= -8.88889 G= -1.250% 1: -80.0 KF= 4.06835 L= 20.000 G= 3.666% 1: 27.3 L= 20.000 KF= -7.50188 G= 1.000% 1: 100.0
HORIZONTAL ALIGNMENT	R= 171.250 R= 178.750 R= 96.250 R= 103.750
STORMWATER COVER LEVEL	85.522 85.295 85.525
STORMWATER INVERT	84.000 83.808 83.808 84.000
STORMWATER DETAILS	Pipe 1.000 Dia 225 Circular CLAY 1 in 96 Pipe 2.000 Dia 225 Circular CLAY 1 in 150
STORMWATER LENGTHS	18.409 28.743



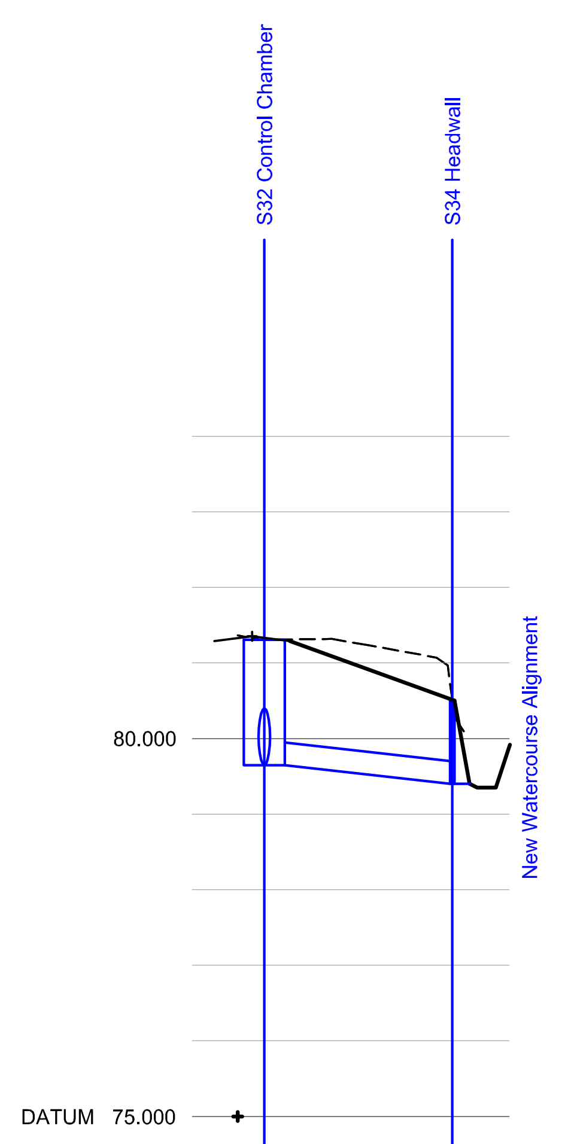
ROAD 1

CHAINAGE	-2.750 -1.253 0.000 8.727 9.928 10.000 13.579 14.441 14.893 15.000 20.000 24.878 25.000 26.596 28.727 29.114 30.000 40.000 50.000 53.994 55.110
EXISTING GROUND LEVEL	85.502 85.710 85.344 85.224 85.114 84.887 84.736 84.582
ALIGNMENT LEVEL	85.272 85.359 85.370 85.387 85.387 85.360 85.290 85.209 85.177 84.927 84.677 84.615
VERTICAL ALIGNMENT	G= 1.000% 1: 100.0 L= 20.000 KF= -5.71429 G= -2.500% 1: -40.0
HORIZONTAL ALIGNMENT	R= 45.500
STORMWATER COVER LEVEL	85.295 85.350 85.268
STORMWATER INVERT	83.808 83.605 83.605 83.529 83.529
STORMWATER DETAILS	Pipe 1.001 Dia 225 Circular CLAY 1 in 80 Pipe 1.002 Dia 225 Circular CLAY 1 in 134 Pipe 1.003 Dia 225 Circular CLAY 1 in 18
STORMWATER LENGTHS	16.261 10.217 30.607
FOULWATER COVER LEVEL	85.310 85.350 84.674
FOULWATER INVERT	83.300 83.214 83.214 82.450
FOULWATER DETAILS	Pipe 1.000 Dia 150 Circular CLAY 1 in 150 Pipe 1.001 Dia 150 Circular CLAY 1 in 36
FOULWATER LENGTHS	12.830 27.393



OUTFALL 1

GROUND LEVEL	84.669 80.381
STORMWATER COVER LEVEL	84.146 81.300
STORMWATER INVERT	81.346 80.690
STORMWATER DETAILS	Pipe 1.004 Dia 300 Circular CLAY 1 in 14
STORMWATER LENGTHS	8.994
FOULWATER COVER LEVEL	84.648
FOULWATER INVERT	82.450
FOULWATER DETAILS	
FOULWATER LENGTHS	



OUTFALL 2

GROUND LEVEL	81.367 81.186
STORMWATER COVER LEVEL	81.308 80.501
STORMWATER INVERT	79.649 79.401
STORMWATER DETAILS	Pipe 1.005 Dia 300 Circular CLAY 1 in 50
STORMWATER LENGTHS	12.424

P/2014/01663

Received 23/12/14

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.

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 1 of 2

BANNERS GATE
CIVIL, STRUCTURAL & ARCHITECTURAL DESIGN SERVICES
10-11 Birmingham Street, Halesowen, West Midlands B63 3HN
Tel: 0121 687 1500 Fax: 0121 687 1501
E-mail: mail@bannersgate.com

Scale	1:500 H & 1:100 V @ A1	Drawn	LH
Date	November 2014	Checked	SCM
File	14102/dwgs/civils	Drawing	14102 / 200