P_2014_01663 Revised Detailed Eng Layout - sht1 - Pennycroft Received 29.04.15

Levels to access to the car park area to be adjusted to suit new road levels

Existing culvert to remain in-situ

Location & invert level of existing FWMH T.B.C.

New connections to EXG. FWMH.

New FWMH built over EXG. FWS.

Control Chamber @ 32 l/s

New FW SPUR To connect to EXG. FWMH.

Pennycroft

Road 1

Road 2

Road 4

S2 CL:85.522 IL:84.000

S4 CL:85.525 IL:84.000

S6 CL:85.295 IL:83.808

S8 CL:85.350 IL:83.605

S10 CL:85.268 IL:83.529

S12 CL:84.344 IL:81.400

S14 CL:83.769 IL:81.388

S16 Control Chamber @ 32 l/s CL:84.674 IL:81.316

S18 Headwall

S26 CL:82.648 IL:80.252 IL:79.727

S28 CL:81.993 IL:79.675

S30 CL:82.100 IL:79.575

S32 CL:81.481 IL:78.549

S34 Headwall

F1 CL:85.310 IL:83.300

F3 CL:85.350 IL:83.214

F5 CL:83.854 IL:82.700

F7 CL:84.704 IL:82.450

F9 CL:84.402 IL:82.304

F11 CL:84.304 IL:82.251

F13 CL:84.187 Incoming IL:82.161 IL:80.919

F29 CL:81.850 IL:78.140

STW.1107

STW.1104 CL 84.20 IL 81.17

STW.1103 CL 84.26 IL 81.20

STW.1002 UTL

STW CL 84.21 IL 80.74

STW.2001 CL: 83.85 IL: 80.10 IL 79.70

STW.2101 UTL

STW.2102 UTL

EXG.3750ø SWS

EXG.3000ø FWS

EXG.975ø SWS

Cellular Storage 10x4x0.4m

16000

5000

Vc

Vc-Splay 2.4 x 43m

Vc-Splay 2.4 x 33m

R6m

R10.7m

Mast

Overhead Cable

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
A	Cellular storage units relocated at LA request.	29.04.15	SCM

Client: East Staffordshire Borough Council

Project: Pennycroft Lane Uttoxeter

Title: Detailed Engineering Layout Sheet 1 of 2

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Scale	1:200 @ A1	Drawn	LH
Date	November 2014	Checked	SCM
File	14102/dwgs/civils	Drawing	14102 / 101 A