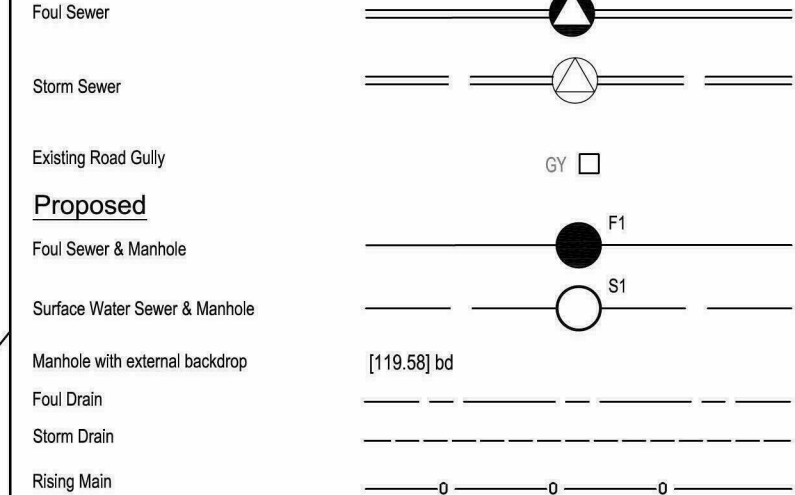
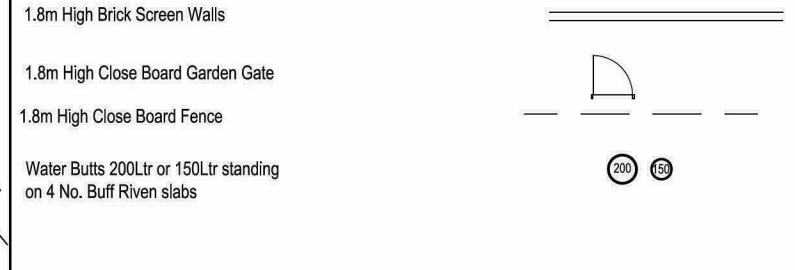
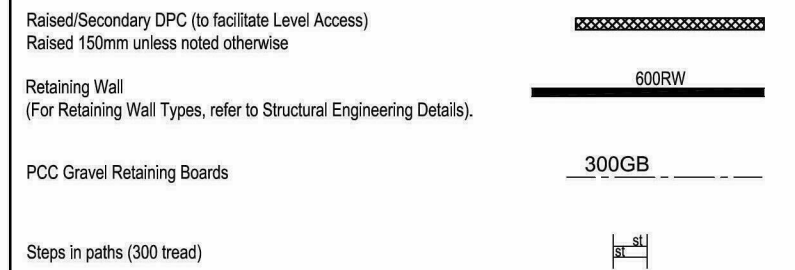
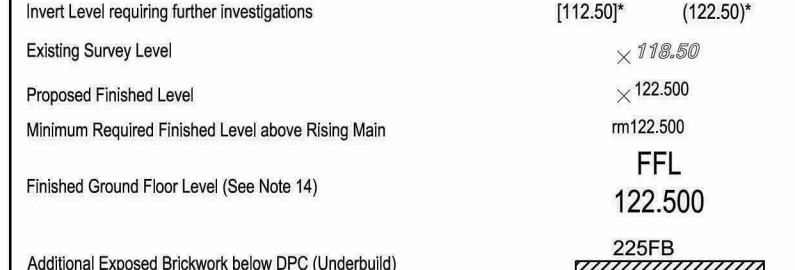
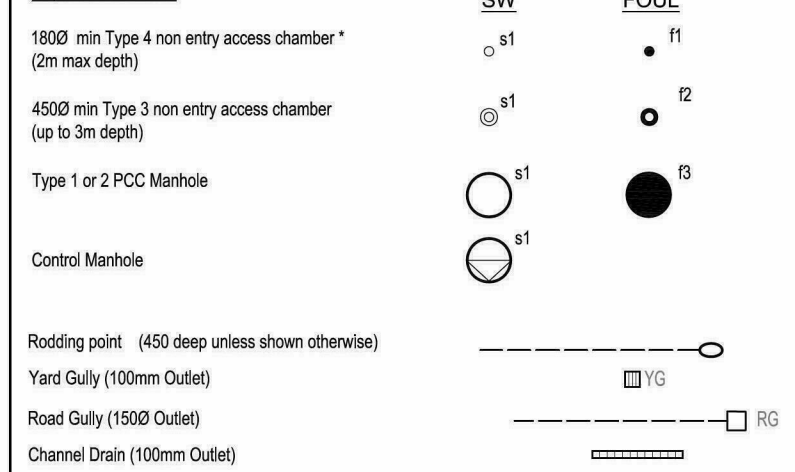


LEGEND

Existing Public Sewers



Proposed



- ### NOTES
- All details are based on the Topographical Survey by Healer Surveys (Drg. Ref. P2121B) dated December 2014. Survey grid and levels are based on Survey from previous Phase.
 - All works in the Public Highway are to be carried out in accordance with the specification of the Herefordshire County Council to the satisfaction of the Area Highways Engineer. The Contractor is responsible for obtaining all necessary licences for working in the public highway, inclusive of the agreement of all traffic and pedestrian management arrangements.
 - Connections to Public Sewers are subject to Section 106 Sewer Connection Consent from Welsh Water.
 - All roads and sewers to be built to adoptable standards but remain privately maintained.
 - All works and materials relating to adoptable sewers are to be in accordance with Sewers for Adoption 7th Edition to the satisfaction of Welsh Water.
 - All unadopted drains have been designed, and are to be constructed, in accordance with the Building Regulations 2000, BS EN 752 (Parts 1-7) and where appropriate the relevant Agreement Certificates.
 - All works and materials relating to adoptable highways to be in accordance with the Specification & Standard Details of Herefordshire County Council to the satisfaction of the Highways Engineer.
 - For typical drainage construction details see drawing nos. 14381PA/3210-3211.
 - Private Drains are to be constructed using Wavin uPVC pipes bedded and backfilled as per the manufacturers instructions and the publications listed in 4 above. Where clay pipes are required they shall be Hepworth "SuperSieve/Hepsieve/Hepsieve vitrified clay pipes as appropriate.
 - All drains to be 100mm dia unless stated otherwise. Drains serving more than 10 properties are to be 150mm minimum diameter.
 - Private drains located adjacent to dwellings are to be constructed in accordance with Fig.8 of Approved Document H1.
 - Drainage in "made" or "soft" ground is to be laid in accordance with Technical Advice notes by the Clay Pipe Development Association, and should generally be laid using short length pipes on Class B bedding on 600mm crushed and compacted concrete with 75mm concrete blinding beneath the Class "B" bed.
 - Inspection Chambers on private drains up to 3m depth are to be Type 3 to 4, preformed polypropylene or clayware depending on location and number of connections (See Drg. 13533/3221). Where the above criteria do not apply precast concrete sections with 150mm concrete surround should be used as below:-

Invert Depth	Min Size	Min Access Size
<1.5m	1.20 or 1.20 x 0.675	1.20 x 0.675
>1.5m	1.20 or 1.20 x 1.00	0.60 x 0.60
 - Rainwater downpipes to be connected direct to drain via adaptor, removable to permit access for rodding.
 - Where back inlet gullies are used they should be roddable.
 - Lintels or sleeves are to be provided for drains passing through foundations or walls in accordance with Diagram 7 of App. Doc. H1.
 - Positions of rainwater pipes, soil pipes, substacks, W.C. outlets, etc. are shown on the Architects working drawings.
 - All Stated internal levels are FINISHED FLOOR LEVELS. Garage levels refer to Finished Screed Level at the garage door.
 - All private drains beneath Public Highways, existing trees and screen/retaining wall foundations are to be surrounded with 150mm concrete. Drains beneath tree canopies are to be hand dug.
 - Pipes with less than 0.9m cover in vehicular areas and 0.6m cover in non-vehicular areas are to be protected in accordance with the manufacturers shallow trench detail.
 - Drainage depths have been kept to a minimum where possible, however, depths in excess of 2m can not be avoided.
 - Excavations to be carried out in accordance with HSE document HSG150 "Health and Safety in Construction".

T1 Tender Issue

C1 Issued for Construction

C2 R/WPs to plots 4,5,10,19 & 29 amended

Rev. Description

14/08/15

03/09/15

07/09/15

Initial

Drawing Status:

CONSTRUCTION

Crest Nicholson Ltd.

Crest House

Pyrroft Road

Chertsey

Surrey

KT16 9GN

Tel: 01932 580 555

Fax: 08703 363 990

www.crestnicholson.com

WITHERS DESIGN ASSOCIATES

CIVIL ENGINEERING & INFRASTRUCTURE DESIGN

UNIT 4, WATERS HALL BUSINESS CENTRE

COLLEGE ROAD

WATERS COLLEGE, ESSEX, COA 3DY

Tel: 01206 247061

Website: www.wITHERS.co.uk

Site Address:

HOLMER EXTENSION

Drg Title:

HERTFORDSHIRE

ENGINEERING LAYOUT

Scale:

1:200

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Date:

08/15

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Checked:

maw

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C2