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ALL PIPES TO HAVE CLASS "3" BED AND SURROUND UNLESS SHOWN OTHERWISE. ALL CONCRETE PIPES TO BE CLASS 120 ALL CLAY PIPES TO BE EXTRA STRENGTH UNFIREFIGHTED. ALL PIPES TO COMPLY WITH BS 4660:2000. ALL PIPES TO COMPLY WITH MIS 4-35-01 MAX. PIPE LENGTH TO BE 3.0m FOUNDATIONS TO BE DESIGNED / CONSTRUCTED TO TAKE INTO ACCOUNT THE PROXIMITY AND DEPTH OF ADJACENT SEWERS AND DRAINS IN ACCORDANCE WITH SFA 7TH EDITION PART B

ALL EXISTING SERVICES TO BE LOCATED AT COMMENCEMENT IN ACCORDANCE WITH UNDERTAKERS REQUIREMENTS AND PROTECTED ACCORDINGLY DURING THE WORKS

ALL DRAGOUT CONNECTIONS FROM MAIN SEWER MANHOLES TO FIRST INSPECTION CHAMBER TO BE 150mm Ø UNLESS INDICATED OTHERWISE

ALL STORAGE MANHOLES ON THE TANK SEWER WILL NEED TO BE CONCRETE SURROUNDED AS THEY ARE WATER RETAINING.

REFA WOULD ADVISE THE CLIENT TO EMPLOY A SUITABLY EXPERIENCED COMPANY TO UNDERTAKE A SURVEY ALONG THE ROUTE OF THE CONNECTIONS TO ASCERTAIN THE EXISTENCE AND PROXIMITY OF ANY SERVICES AND ADVISE REFA OF ANY POTENTIAL CLASHES TO ASCERTAIN IF DESIGN CHANGES CAN BE MADE.

CONTRACTOR/CLIENT SHOULD NOTE THE EXISTENCE OF EXISTING BURIED PLANT AND/OR OVERHEAD POWER CABLE(S). BEFORE WORK COMMENCES CONTRACTOR MUST UNDERTAKE RISK ASSESSMENT AND PROVIDE METHOD STATEMENT FOR WORKING IN THIS AREA IN ACCORDANCE WITH USE AND POWER SUPPLIERS GUIDELINES TO SATISFACTION OF THE PRINCIPLE DESIGNER.

CONTRACTOR TO ALLOW FOR REBULIDING EXISTING MANHOLE TO CURRENT STANDARDS IF CONNECTION CANNOT BE MADE IN ACCORDANCE WITH UNDERTAKERS GUIDELINES

HORIZONTAL AND VERTICAL CONTROL ESTABLISHED USING SMARTNET GPS NETWORK AND OSG83(02) COORDINATE SYSTEM



The Developer must self-vet and certify that the design criteria, material standards, and workmanship specifications for the proposed adoptable sewers are in accordance with those set out in "Sewers for Adoption" 7th Edition and the requirements of DCWW as the Statutory Sewerage Undertaker, and the Welsh Ministers Build Standards.

¹⁴ A Section 106 application to connect to adopted sewers must be made to DCWW, the developer shall give 21 days notice prior to connection, the works may only be undertaken by a DCWW Health & Safety approved contractor."

All materials are to comply fully with the requirements of clause "E" in Sewers for Adoption 7th Edition, of which the contractor must fully acquaint himself with to ensure compliance.

PLEASE NOTE THAT THIS DRAWING IS ISSUED FOR INFORMATION/TENDER PURPOSES ONLY UNTIL TECHNICAL APPROVAL HAS BEEN GRANTED. ANY WORK UNDERTAKEN PRIOR TO TECHNICAL APPROVAL BEING GRANTED IS AT THE CLIENT'S RISK.

to comply fully with "Sewers for Adoption" 7th.Edition dated August 2012.

2. All highway works to be to adoptable standards and to comply with the local utility specification.
3. All private drainage works to be comply with Part H of the Building Regulations
4. All existing invert levels to be checked by the Contractor at the start of works and any discrepancies noted to NEA.
5. All existing ground levels to be checked by a surveyor and recorded on a technical survey information provided by others.
6. All materials to be used the relevant BS/ENmark and to comply with the relevant standards.
7. All concrete & concrete products must use Sulphate resistant cement (unless the site investigation report proves that sulphate attack from soils and groundwater will not occur)
8. All opening notices etc. as required under the Highways Act 1980 to be obtained prior to commencement of works.
9. All works to be inspected by LA, NHBC or relevant Water Authority as applicable.

C.D.M. REGULATIONS 2015

In line with the above regulations we are obliged to inform the Client of their responsibilities under the contract. The Client is responsible for the design and the construction of these works, but an assigned work has been carried out with Health and Safety aspects given full consideration. Wherever possible such have been eliminated from the design, however due to the very nature of this work it is not possible to remove all the risks from the design. We would also respectfully remind the Client of his obligations to take all reasonably steps in ensuring that only competent Contractors who have a valid safety policy are employed. The Client's responses at initial stages as to the manner in which they will deal with the elements of risk involved in this type of work and in particular those highlighted by the above are:-

1. Support / treatment for ALL excavation work.

2. Guarding to edges of excavations to prevent excavation collapse.
3. Guarding of excavations outside working hours to prevent unauthorized access.
4. Undermining to adjacent roads or structures.
5. Confined space operations.
6. Dealing with existing services.
7. Traffic management on existing highways.

9. Method of working where contaminated ground is present on site.

The above list is by no means exhaustive but it does highlight operations that present a risk to contractors and the general public.

For clarification on any item please contact REFA.

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Drawing Stage		Drawing Status	
☐	Draft	☐	Tender
☒	Issued	☐	Construction
☐		☒	As Built

ANWYL HOMES
BELLWAY HOMES

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