

1. coordinate surveys and associated work, and report to the County of San Diego for Adoption 7/16/2010
2. All highway works to be to codifiable standards and to comply with the local authority specification.
3. All private drainage works are to comply fully with part 4 of the Building Regulations
4. All existing street levels to be checked by the Contractor, and the latter to provide and any necessary ERF to the County.
5. All works are based on topographical survey information provided by others.
6. All materials to bear the relevant BS/Astmonik and comply fully with the specifications.
7. All works to be carried out by a competent and experienced Subcontractor, and the Contractor to use a Subcontract resistant cement (unless the site investigation report proves that suitable offset from soil and groundwater will not saplicate effect)
8. All opening notices etc. as required under the Highways Act 1980 to be obtained prior to the start of the works.
9. All works are to be inspected by J.A. NHC 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 section ODA 15(1), and residual risks that may be associated with the proposed work. In the event of an as-built work has been carried out with Health and Safety aspects given full consideration. Wherever possible risks have been eliminated from the design, however due to the very nature of this type of work it is not possible to remove all the risks from the design.

We would also respectfully remind the client of his responsibilities to take all reasonable steps in ensuring that the work is carried out in a safe manner. If safety policy are employed, the client must have a valid one. They should also provide the necessary resources at tender stage so as the monitor in which they will deal with the elements of risk involved in this type of work and in particular those highlighted by

1. Support / treatment for ALL excavation work.
2. Guarding to edges of excavations to prevent people, materials and vehicles falling into excavation.
3. Guarding of excavations outside working hours to prevent unauthorised access.
4. Underpinning to adjacent roads or structures.
5. Confined space operations.

6. Dealing with existing services.
7. Traffic management on existing highways.
8. Procedure to be followed in event of accident or emergency.

10. Confirmation will be required that all operatives are adequately trained, copies of relevant training certificates to be supplied.

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

[illegible]

Client

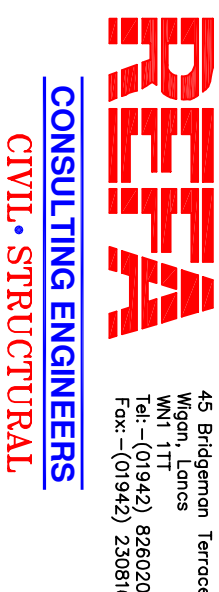
ANWYL HOMES
BELLWAY HOMES

Job title
**GRESFORD ROAD
LAY, WREXHAM**

Drawing title

ROAD AND MAIN

LONG SECTIONS DRG 13



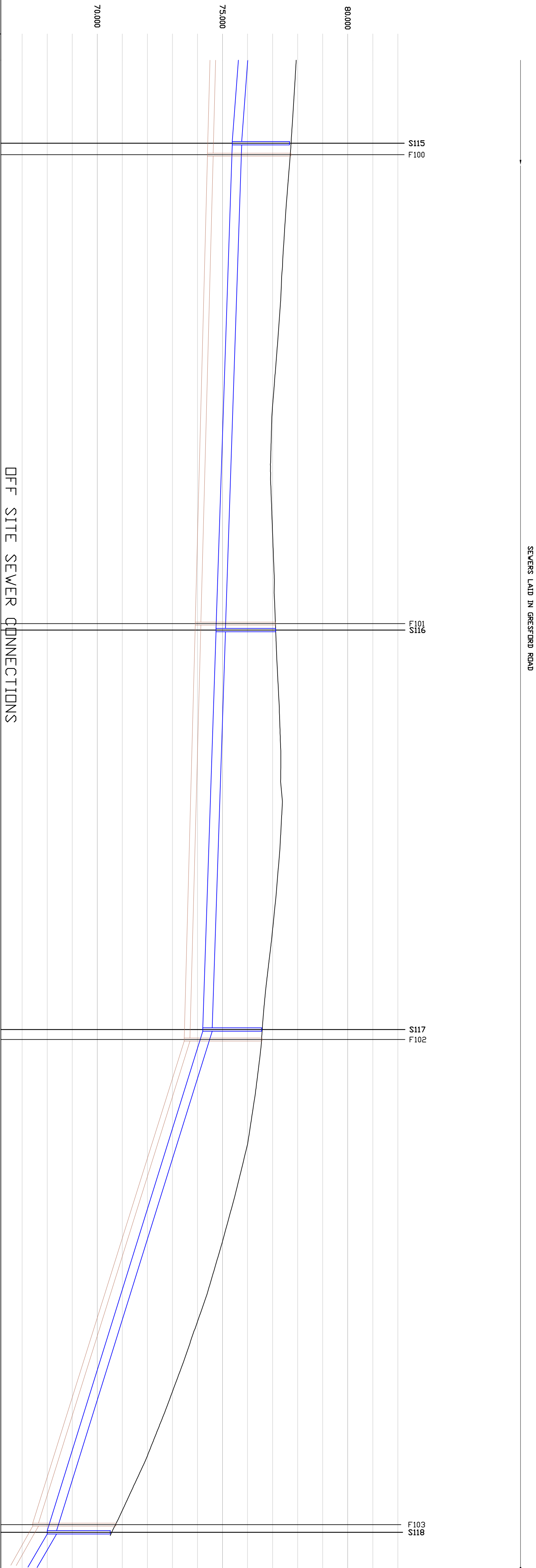
GEOTECHNICAL • ENVIRONMENTAL

12.2.18	1/500H & 1/100V	GWH
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DRAWING NO. 17040/08/20

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A1 SHEET



OFF SITE SEWER CONNECTIONS

GROUND LEVEL	
STORMWATER DETAILS	CL 77.675 IL 75.389 IL 75.389 Pipe 1033 Dia 3/5 Circular 1 in 150 97.098 CL 77.118 IL 74.742 IL 74.742 Pipe 1034 Dia 3/5 Circular 1 in 150 73.691 CL 76.561 IL 74.212 IL 74.212 Pipe 1035 Dia 3/5 Circular 1 in 15 93.821 CL 70.515 IL 68.000 IL 68.000
FULLWATER DETAILS	CL 77.732 IL 74.400 IL 74.400 Pipe 1032 Dia 225 Circular 1 in 191 33.771 CL 77.113 IL 73.910 IL 73.910 Pipe 1033 Dia 225 Circular 1 in 150 83.001 CL 76.577 IL 73.473 IL 73.473 Pipe 1034 Dia 225 Circular 1 in 16 96.353 CL 70.744 IL 67.424 IL 67.424

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

Note 1- SFA 7th Footnote

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.

Note 2 - Connection

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

Note - 3 Materials

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.



CIVILS DESIGN RISK MANAGEME

- 1**
- EXISTING SERVICES
- 2**
- WORKING ON EXISTING HIGHWAY
VARIABLE MESSAGE SIGNS
THE PUBLIC HAVE ACCESS

THE OFF SITE SEVER CONNECTIONS HAVE BEEN IDENTIFIED AND THE OFF SITE SEVER DESIGN AND WHAT IT IS ANTICIPATED TO CLASHES WITH EXISTING SERVICES WILL OCCUR IN OTHERS OF EXISTING SERVICES THIS CANNOT BE GUARANTEED.	REPA WOULD ADVISE THE CLIENT TO EMPLOY A SUITABLE EXPERIENCED COMPANY TO UNDERSTAKE THE OFF SITE SEVER DESIGN AND REPAIR CONNECTIONS TO ESTABLISH THE EXISTENCE AND LOCATION OF EXISTING SERVICES AND ADVISE REPA OF ANY CHANGES THAT MAY BE MADE TO DESIGN CHANGES CAN BE MADE.	DUE TO THE NEED FOR OFF SITE SEVER WORKS TO BE COMPLETED WITHIN THE SPECIFIED CONSTRUCTION PERIOD ANY WORKS NOT SITE TO ALLOW DESIGN CHANGES ON SITE TO BE MADE BY THE OFF SITE DESIGNS. REPAIR WORKER. REPAIR WILL NOT BE HELD RESPONSIBLE FOR ANY FLOWING WATER IN THIS PROCEDURE IS NOT ALLOWED.	ALL EXISTING SERVICES TO BE LOCATED AT COMMENCEMENT IN ACCORDANCE WITH UNDERMINES ACT 1991 AND THE 1998 ACCORDING. DURING THE WORKS
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ALL EXISTING SERVICES TO BE LOCATED AT COMMENCEMENT IN ACCORDANCE WITH UNDERTAKEES REQUIREMENTS AND PROTECTED ACCORDINGLY DURING THE WORKS

CONTRACTOR TO BE AWARE OF AND TAKE APPROPRIATE ACTION TO ENSURE DE-STABILIZATION OF EXISTING FOUNDATIONS AND OTHER FEATURES DOES NOT OCCUR AS A RESULT OF ANY EXCAVATION WORKS UNDERTAKEN IN ACCORDANCE WITH THE DESIGNS SHOWN ON THIS DRAWING. THE CONTRACTOR IS INSURE THAT AN ASPECT OF THE SCOPE OF WORK IS TO ADVISE ENGINEER COMMENCING EXCAVATION WORK.

ALL STORAGE JUMBLES ON THE TANK SURROUNDING ARE TO BE REMOVED COMPLETELY. REMAINING AS THEY ARE WATER

BENCHMARK INFORMATION

TO CATER FOR ANY DEVIATIONS IN THE AS CONSTRUCTED ROAD / FOOTPATH LEVELS IN RELATION TO THE DESIGN LEVELS. THE PROPOSED FLOOR LEVELS SHOWN MUST BE CHECKED ON SITE BY THE SITE AGENT OR ENGINEER IN RELATION TO AS BUILT ROAD LEVELS TO ENSURE COMPLIANCE WITH PART M OF THE BUILDING REGULATIONS

BENCHMARK INFORMATION

HORIZONTAL AND VERTICAL CONTROL ESTABLISHED USING SMARTNE GPS NETWORK AND OSGB36(02) COORDINATE SYSTEM