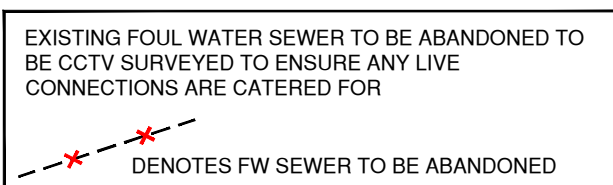




EXISTING FOUL WATER SEWER TO BE ABANDONED
BE CCTV SURVEYED TO ENSURE ANY LIVE
CONNECTIONS ARE CATERED FOR

 DENOTES FW SEWER TO BE ABANDONED



SECTION 104 & 38 NOTES

- All applicable drainage works have been designed and are to be constructed in accordance with current Design & Construction Code of Practice for local roads
- All city pipe work shall be Extra Strength Class 4 reinforced concrete
- All precast concrete pipework shall be to the class stated on the drawings in accordance with BS EN 1916:2004.
- All manholes shall be constructed in accordance with BS EN 12756:2008
- The Contractor may elect to use reinforced PVC pipes subject to BS 4660:2004 (BS EN 1401-1)
- Structural steelwork shall be made to BS 595: Part 4 and painted up to including 300mm (Bri 44) prior to assembly with adopting authority's specification
- All levels relate to an Ordnance Datum.
- This drawing is to be read in conjunction with all other relevant contract documents
- House drainage connections to sewers must be 150mm Ø and unless otherwise stated do not drop into level storm drains
- Level on drawings indicates finished ground level
- House drainage runs to be kept within the curtilage of the plot they serve
- The Contractor shall be responsible for ensuring that any existing invert levels indicated by dimensions are correct before works commences
- Where there is a change in the position and depth of any existing Statutory Underdrains plant which could affect the works the contractor shall be notified in writing
- Road gully connections are to be 150mm Ø connecting either directly to manholes shown, or to sewer runs up-pre-formed gradients
- All connections to adoption sewers shall be by manufactured ductile iron pipe with 150mm Ø sockets
- All sewers for adoption with greater than 1.20 metres crown in roads or 0.9m crown over fields shall have Class A granular bed and bedding
- Any sewer for adoption with less than 1.2 metres crown in roads or 0.9m crown over fields shall be adopted to the STC code of practice. Flexibility must be maintained by the provision of Flexicore or similar approved joint fill materials in the concrete surround at each pipe connection

ALL PIPES TO HAVE CLASS "S" BED
AND SURROUND UNLESS SHOWN OTHERWISE
ALL CONCRETE PIPES TO BE CLASS 120
ALL CLAY PIPES TO BE EXTRA STRENGTH VITRIFIED CLAY
ALL UPVC PIPES TO COMPLY WITH BS 4660:2000 & BS EN 1401-1
STRUCTURED WALL UPVC PIPES TO COMPLY WITH WIS 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

CONTRACTOR TO BE AWARE OF AND TAKE APPROPRIATE ACTION TO ENSURE DE-STABILISATION OF ANY EXISTING STRUCTURES, TREES, EMBANKMENTS OR OTHER FEATURES DOES NOT OCCUR AS A RESULT OF ANY EXCAVATIONS WORKS UNDERTAKEN IN ACCORDANCE WITH THE DESIGNS SHOWN ON THIS DRAWING
IF CONTRACTOR IS UNSURE ABOUT ANY ASPECT OF THE ABOVE HE SHOULD SEEK ADVICE BEFORE COMMENCING EXCAVATION WORK.

THE OFF SITE SEWER CONNECTION(S) HAVE BEEN DESIGNED TO TIE IN WITH THE EXISTING SEWERS AND WHILST IT

OUTSIDE OF NEW SEWERS TO BE LOCATED 1.0m MINIMUM FROM KERBLINES OUTSIDE OF MANHOLE CHAMBERS TO BE LOCATED 0.5m MINIMUM FROM KERBLINES

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

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

ALL ROAD GULLY CONNECTIONS TO
BE 150mm Ø

CONTRACTOR/CLIENT SHOULD NOT

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 HSE AND POWER SUPPLIERS GUIDELINES TO SATISFACTION OF THE PRINCIPLE DESIGNER

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 OF THE BUILDING REGULATIONS

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

CIVILS DESIGN RISK MANAGEMENT

Abnormal or unusual residual risks associated with the design outcomes shown on this drawing are:-

- | | |
|---|--|
|  | EXISTING SERVICES |
|  | DANGER OF COLLAPSE
ALL EXCAVATIONS -
MANAGED BY COMPETENT
WITH HSE GUIDANCE |
|  | WORKING ADJACENT TO
WATER/COURSE (OR
DRAIN) |
|  | WORKING ADJACENT TO
SURFACE WATER |

ALD Design Ltd has followed its Design Risk Management process for Hazard Elimination and Risk reduction in developing the designs shown on this drawing. Abnormal or unusual residual risks may be shown above where it is considered that such risk may not normally be expected by competent persons engaged on work of this nature or type.

1. **GENERAL**
2. All adoptable sewers and associated works are to comply fully with Design and Construction Guidance¹ and Local Practices
3. All highway works to be to adoptable standards and to comply fully with the Local Authority specification
4. All private drainage works are to comply fully with the adopted standards
5. All existing invert levels to be checked by the Contractor at the start of works and any corrections notified to A4C immediately
6. All levels are based on topographical survey information provided by others.
7. All materials to bear the test B.S.3106mark and comply fully with the specifications.
8. All concrete & concrete products must use Sulphate resistant cement (Note: the current investigation report proves that sulphate attack on soils and groundwater will not occur)
9. All opening notices etc. as required under Highway Acts etc. are to be obtained prior to commencement of works.
10. All works are to be inspected by LA, NHBC and the Local Authority Contractor

C.D.M. REGULATIONS 2015

In line with the above regulations we are obliged to inform the Client of their responsibilities under section CDM 15/1, and residual risks that may be encountered in the construction of these works. All design 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 obligations to take all reasonable steps in ensuring that only competent Contractors who have a valid safety policy are employed. They should also provide satisfactory responses at tender stage 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 ALD Design below:-

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. Undermining 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.
9. Method of working where contaminated ground is present on site.
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.
For clarification on any item please contact ALD Design

C	14.10.25	Revised following additional survey work	AP		
B	18.06.25	Revised proposed Levels	AP		
A	02.06.25	First Issue	AP		
Rev.	Date	Amendment	Drawn	Chk'd	App'd



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Click



Project Title

Trub Farm
Rochdale

Status	Information
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Drawing Title	EXISTING LONGITUDINAL SECTIONS
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Drawn	Date	Checked	Date	Approved	Date
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AP	JUNE 25		
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Scale	Orig Size	Dimensions
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1:500 H ; 1:100 V	A0	

Project No.	Drawing File
25013	

20010	
Drawn No	Rev

