

EXISTING SEWERS TO BE ABANDONED HAVE BEEN CCTV SURVEYED TO ENSURE ANY LIVE CONNECTIONS ARE CATERED FOR

 DENOTES CW SEWER TO BE ABANDONED UNDER A S185 AGREEMENTS PLAN

 DENOTES SW SEWER TO BE ABANDONED UNDER A S116 AGREEMENTS PLAN

SECTION 104 & 38 NOTES

- 2 All adaptive drainage works have been designed and are to be constructed in accordance with current Design & Construction Guidance & Standards
- 3 All clay pipe work shall be Extra Strength Clayware to BS EN 295-99 Part 1
- 4 For concrete work connections to be the class stated on the drawings in accordance with BS EN 1916:2002
- 5 For reinforced concrete work connections to be the class stated on the drawings in accordance with BS EN 1916:2002
- 6 The Contractor may use reinforced PVC pipes as covered by BS 4560:2000 & BS EN 1401-1
- 7 Structured wall connections shall be 150mm x 45-51 up to and including 300mm (B) per connection with supporting authority
- 8 MAX. PIPE LENGTH TO BE 3.0m
- 9 Levels relate are O.C.D. unless stated
- 10 This drawing is to be read in conjunction with all other relevant drawings
- 11 House drainage connections to sewers must be 150mm Ø and unless otherwise stated lead to the draught level town sewer.
- 12 All drainage connections to be made in accordance with BS 5592
- 13 House drainage runs to be kept within the curtilage of the plot they serve wherever possible.
- 14 The Contractor shall be responsible for ensuring that any existing street lighting indicated on drawings are correct before work commences
- 15 The Contractor shall satisfy himself as to the location of any existing underground services which might conflict with the works before the works are commenced
- 16 Road to be constructed to 150mm Ø connecting either directly to manholes shown, or to sewer runs using pre-formed junctions
- 17 All connections to adaptable sewers shall be by manufactured junction pipes. Saddle connections will not be permitted.
- 18 All sewers for adoption with greater than 1.2 metres cover in roads shall be 600mm diameter or greater Class 4 granular bed and surround.
- 19 All sewers for adoption with less than 1.2 metres cover in roads or 0.9 metres cover in fields shall have a minimum of 150mm St135 concrete cover to the invert. For all sewers for adoption in fields a similar approved joint pipe breakers in the concrete surround at each manhole.

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 VITRIF
ALL UPVC PIPES TO COMPLY WITH BS 4660:2000
STRUCTURED WALL UPVC PIPES TO COMPLY WITH
MAX. PIPE LENGTH TO BE 3.0m

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

CONTRACTOR TO BE AWARE OF AND TAKE APPROPRIATE ACTION TO ENSURE DE-STABILIZATION 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 IS ANTICIPATED NO CLASHES WITH EXISTING SERVICES WILL OCCUR, DUE TO THE INHERENT INACCURACIES IN DEPTHS OF EXISTING SERVICES THIS CANNOT BE GUARANTEED	ALL SEWER CHANGES INDICATED ON ALL BE COMPLETED EXHIBIT
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ALD WOULD ADVISE THE CLIENT
TO EMPLOY A SUITABLY
EXPERIENCED COMPANY TO
UNDERTAKE A SURVEY ALONG
THE ROUTE OF THE
CONNECTIONS TO ASCERTAIN THE

ANY SERVICES AND ADVISE ALO
OF ANY POTENTIAL CLASHES TO
ASCERTAIN IF DESIGN CHANGES
NEED BE MADE.

DUE TO THE NEED FOR OFF
SITE SEWER WORKS IT IS
STRONGLY ADVISED THAT THESE
INVESTIGATIONS ARE UNDERTAKEN

PRIOR TO ANY CONSTRUCTION ON SITE TO ALLOW DESIGN CHANGES TO BE MADE.

ALLD WILL NOT BE HELD RESPONSIBLE FOR ANY ABORTIVE WORKS IF THIS PROCEDURE IS NOT FOLLOWED

ALL EXISTING MANHOLE INVERT LEVELS ARE TO BE LOCATED AND SURVEYED PRIOR TO START ON SITE TO ENSURE THAT THEY ARE CORRECT AND ALSO TO ENSURE THAT LEVEL CLASHES ARE AVOIDED. ANY INTERPOLATED INVERT LEVELS ARE CORRECTED TO THE NEAREST 10mm.

ANY DISCREPANCY TO BE REPORTED TO ALLD PRIOR TO START TO ENABLE ANY CHANGES TO BE MADE TO DESIGN THAT PROVE NECESSARY.

CIVILS DESIGN RISK MANAGEMENT

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

- | | |
|---|---|
|  | EXISTING SERVICES |
|  | DANGER OF COLLAPSE TO ALL EXCAVATIONS – RISK TO BE ASSESSED AND MANAGED BY CONTRACTOR IN ACCORDANCE WITH HSE GUIDANCE |
|  | WORKING ADJACENT TO EXISTING WATERCOURSE OR LIVE FOUL SEWER (WELL'S DISEASE) |
|  | WORKING ADJACENT TO EXISTING ADOPTED SURFACE WATER SEWER |

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

GENERAL

1. All adoptable sewers and associated works to comply fully with Design and Construction Guidelines and Local Authority standards
2. All highway works to be to adoptable standards and to comply fully with the Local Authority specifications
3. All private sewers to be constructed in accordance fully with part II of the Building Regulations
4. All existing invert levels to be checked by the Contractor at all stages and any discrepancies to be notified to A/D Design
5. All levels are based on topographical survey information as provided by the Local Authority
6. All materials to bear the relevant B.S./Kitemark and comply fully with the specifications
7. All concrete & concrete products must use Sulphate Resisting cement and the site investigation report proves that sulphate attack on soils and groundwater will not occur)
8. All opening facilities etc. as required under the highway acts must be installed prior to commencement of works.
9. All works are to be inspected by LA, NHBC or Relevant Local 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 DND 15/71, and residual risks that may be encountered in the construction of these works. These risks have 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 the type of work it is not possible to remove all the risks from the design.

We would respectfully remind the Client of its obligations to take all reasonable steps to ensure that only competent Contractors who have a valid safety policy are employed.

They should also provide satisfactory responses of any queries in a manner in which they will deal with the elements of risk involved in the 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

Legend:

-  Proposed S185 combined water sewer
 Proposed S104 surface water sewer and manhole
 Proposed S104 foul water sewer and manhole
 Existing surface water sewer & manhole
 Existing combined water sewer & manhole
 Location of existing combined sewers to be abandoned and filled with cementitious grout. Detailed method statement and ramps shall be prepared by the contractor and submitted to united utilities for approval prior to commencement.
 Existing surface water sewer & manhole to be abandoned under a S116 agreement
 Proposed Sewer Easement
 Site Boundary

J	28.09.26	Revised to UU comments 17.09.26	AP		
I	13.09.26	Construction issue	AP		
H	24.08.26	Revised following comments from UU	AP		
G	29.06.26	Revised to layout PL10, revised S185 sewer locations	AP		
F	09.06.26	Revised following meeting with UU	AP		
E	14.10.25	Revised following additional survey work	AP		
D	29.08.25	Revised to layout Rev PL08	AP		
C	14.07.25	Updated following completion of the remainder of the pack	AP		
B	16.06.25	Revised proposed Levels	AP		
A	02.06.25	First Issue	AP		
Rev.	Date	Amendment	Drawn	Chkd	Appd



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Trub Farm
Rochdale

Construction issue

S185 CW SEWER
AGREEMENT PLAN
SHEET 2 OF 2

Drawn Date AP JUNE 25	Checked Date	Approved Date
Scale 1:500	Orig Size A0	Dimensions
Project No. 25013		Drawing File
Drawing No. 30-02-06		Rev. J

Scale 1:500