

GENERAL

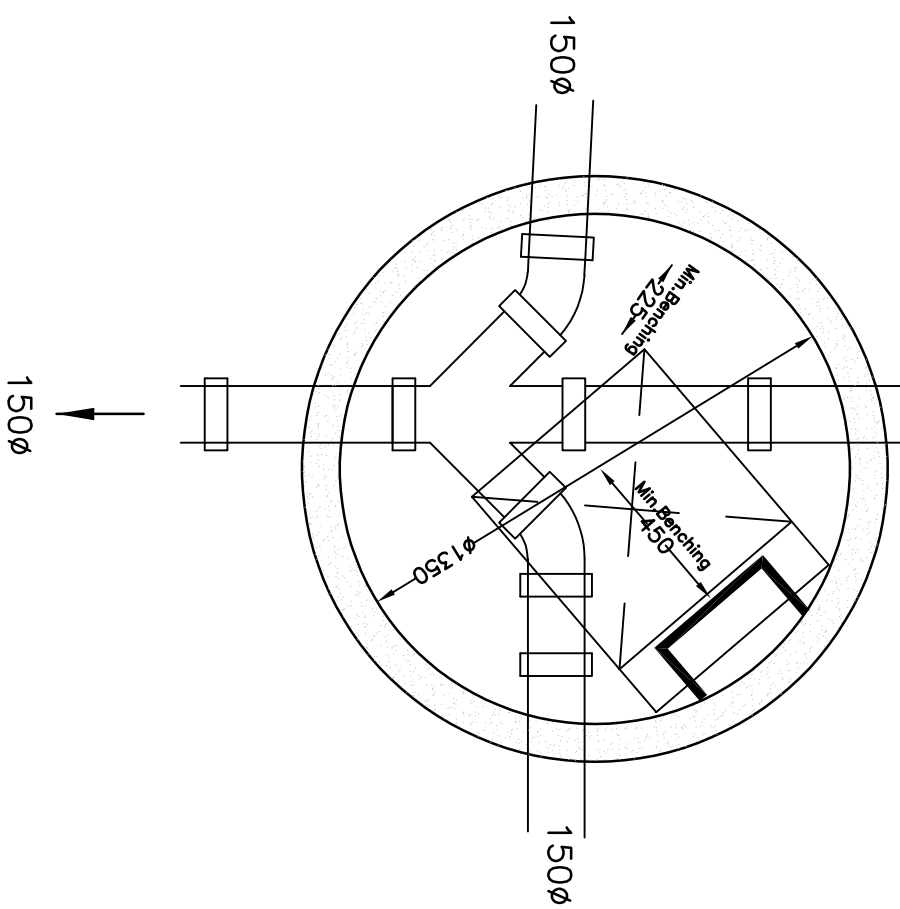
1. All adoptable sewers and associated works are to comply fully with 'Design and Construction Guidance' to be adopted by the Local Authority.
2. All highway works to be to adoptable standards and to comply fully with the Local Authority specification.
3. All private drainage works are to comply fully with part 14 of the Building Regulations.
4. All private drainage works are to be constructed by the Contractor at the start of works and any discrepancies notified to REF A.
5. All materials used are to be of the highest quality and to comply with the specifications.
6. All opening notices etc. as required under the Highways Act 1980, must be obtained prior to commencement of works.
7. All works are to be carried out in accordance with the relevant Water Authority or applicable.

C.M.A. REGULATIONS 2015

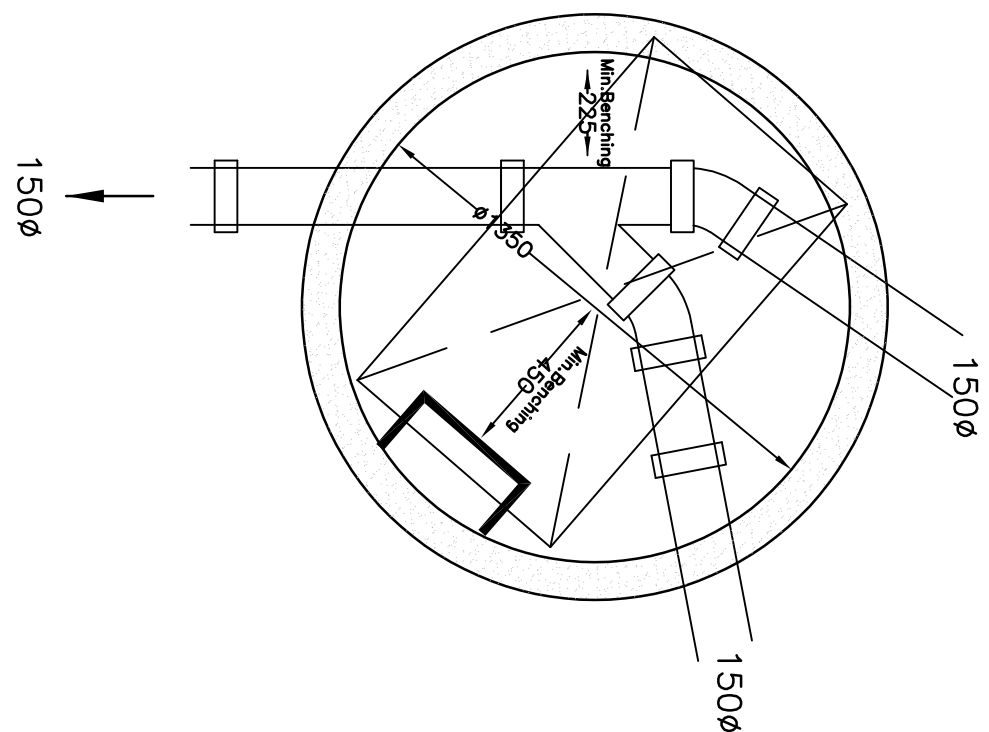
In line with the above regulations we are obliged to ensure that all works are carried out in accordance with the relevant regulations and standards. All design work has been carried out with Health and Safety aspects given full consideration. We would also respectfully remind the Client of his obligations to take all reasonable steps in ensuring that only competent Contractors who have a valid licence to carry out the work 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 REF A below:-

1. Support / treatment for ALL excavation work.
 2. Guarding to edges of excavations to prevent pedestrians and vehicles falling into excavation.
 3. Colouring of excavations outside working hours to prevent confusion.
 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.
 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 the safety of the public and the environment. For clarification on any item please contact REF A.

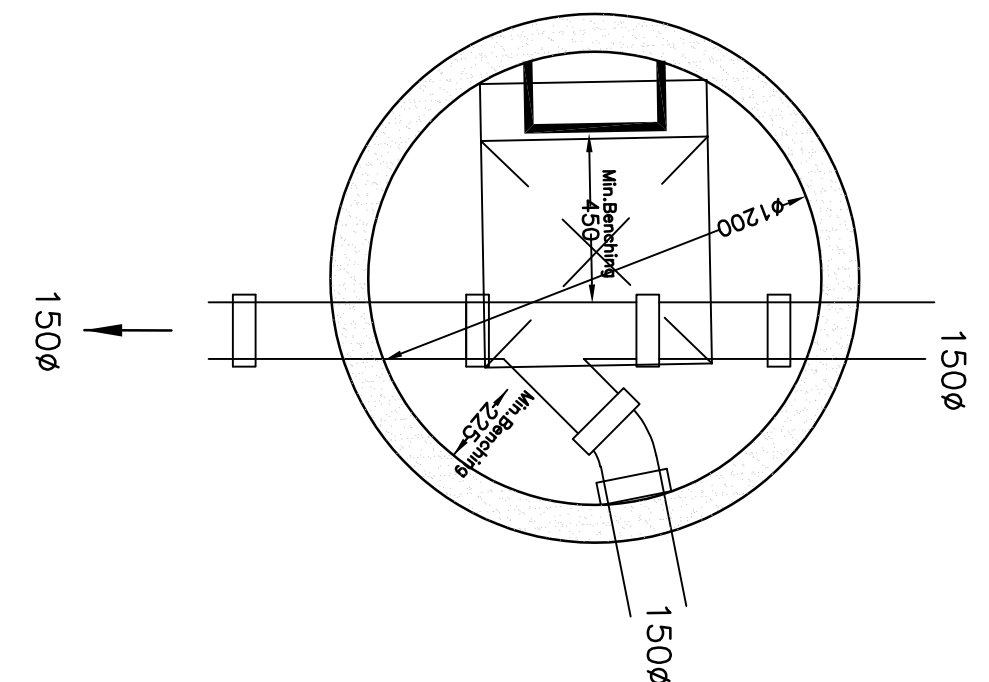
F7



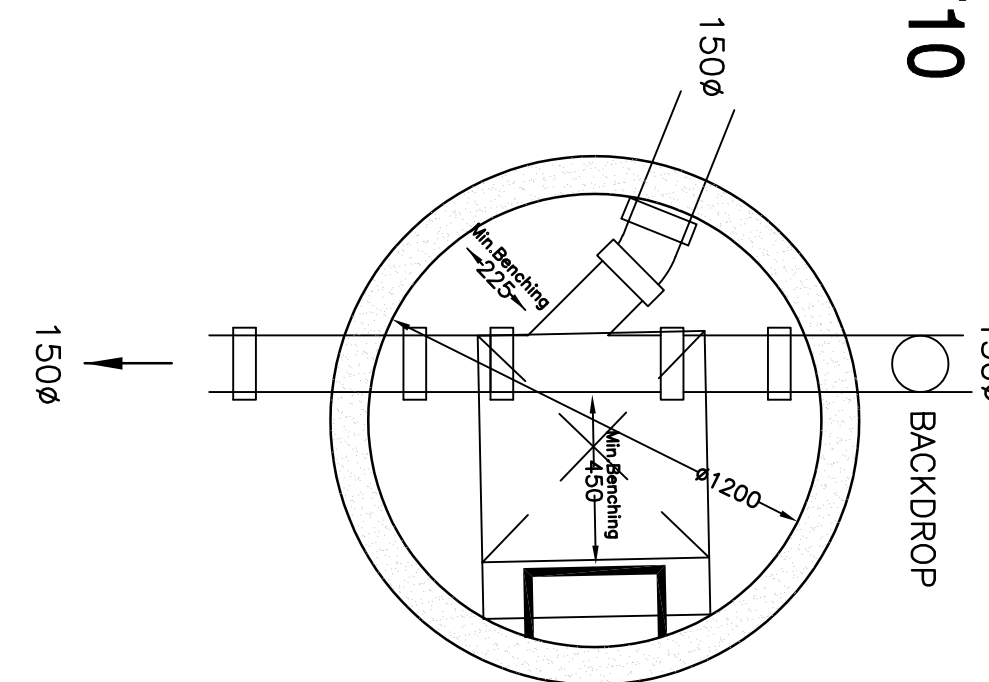
F8



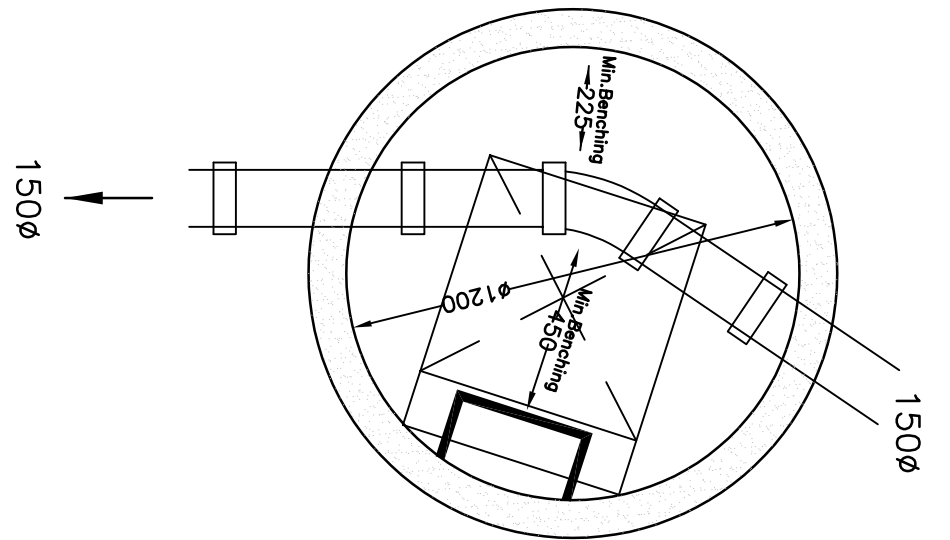
F9



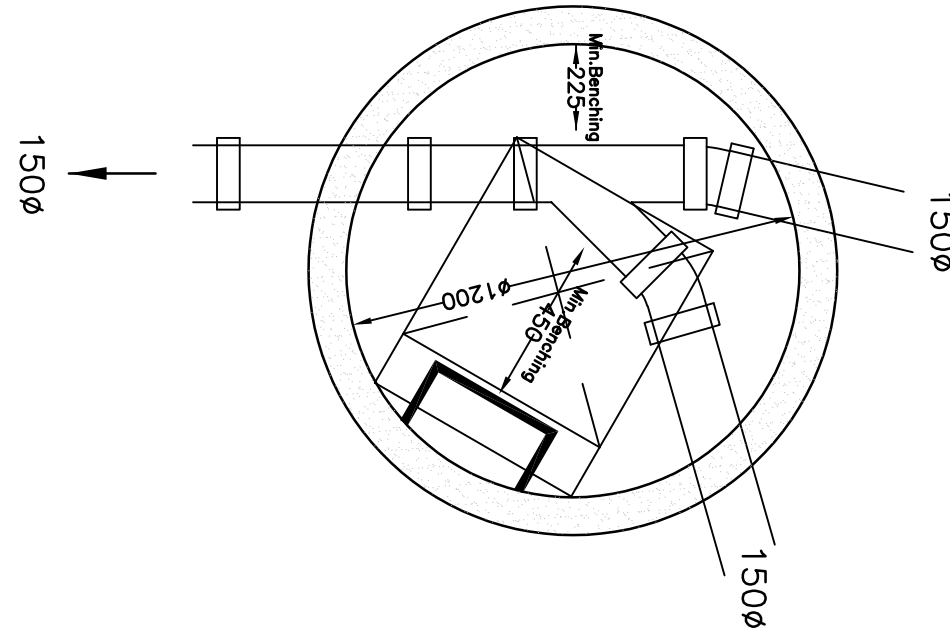
F10



F11



F12



Manhole Number	Cover Level	Connections	Code	Inverts	Diams	Manhole Size	Types	Depth & Size (mm)	Means of Access	Safety Chains	Handrails	Invert Access Steps
F7	46.020 1.693	2 1	1.002 2.002	44.177 44.177	150 150	1350	TYPE B FIGURE B9 D400	150 675 x 675 COVER SLAB OPENING	Double Steps	No	No	No
			1.003 2.003	44.177 44.177	150 150							
F8	45.580 1.449	1 0	1.003 2.003	43.981 43.981	150 150	1350	TYPE B FIGURE B15 D400	150 1220 x 685 COVER SLAB OPENING	Double Steps	No	No	No
			1.004 2.004	43.981 43.981	150 150							
F9	45.685 1.721	1 0	1.005 2.005	43.814 43.814	150 150	1200	TYPE B FIGURE B9 D400	150 675 x 675 COVER SLAB OPENING	Double Steps	No	No	No
			1.006 2.006	43.814 43.814	150 150							
F10	45.817 3.367	1 0	1.005 2.005	43.814 43.814	150 150	1200	TYPE A2 FIGURE B6 D400	150 675 x 675 COVER SLAB OPENING	Ladder	No	No	No
			1.006 2.006	43.814 43.814	150 150							
F11	45.224 2.374	0 0	3.000 3.000	42.700 42.700	150 150	1200	TYPE B FIGURE B9 D400	150 675 x 675 COVER SLAB OPENING	Double Steps	No	No	No
			3.001 3.001	42.700 42.700	150 150							
F12	45.678 3.199	1 0	3.000 3.000	42.329 42.329	150 150	1200	TYPE A2 FIGURE B6 D400	150 675 x 675 COVER SLAB OPENING	Ladder	No	No	No
			3.001 3.001	42.329 42.329	150 150							

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

MANHOLES TO BE CONSTRUCTED IN ACCORDANCE WITH THE DESIGN AND CONSTRUCTION GUIDANCE - MAY 2021

MANHOLE LADDER TO BE CONSTRUCTED IN LINE WITH DESIGN AND CONSTRUCTION GUIDE CLAUSE DCG CLAUSE E2.37

ROCKER PIPES WILL BE USED IN LINE WITH DESIGN AND CONSTRUCTION GUIDANCE

NOTE ALL CONNECTIONS TO BE MADE SOFFIT LEVEL UNLESS INDICATED OTHERWISE

REF A

CONSULTING ENGINEERS

CIVIL STRUCTURAL

GEOTECHNICAL ENVIRONMENTAL

45 Bridgeman Terrace

Wigan, Lancs

WA9 7JQ

01942 286020

01942 230816

Date

28.11.22

Scale

1:20

Drawn

RF

Drawing No

22122/109/2

Rev

D

Job title

BENNETT STREET MANCHESTER

Client

KELLEN HOMES LIMITED

Manhole Schematics

DRG 2 - FW

28.11.22

Scale

1:20

Drawn

RF

Drawing No

22122/109/2

Rev

D

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A1 SHEET