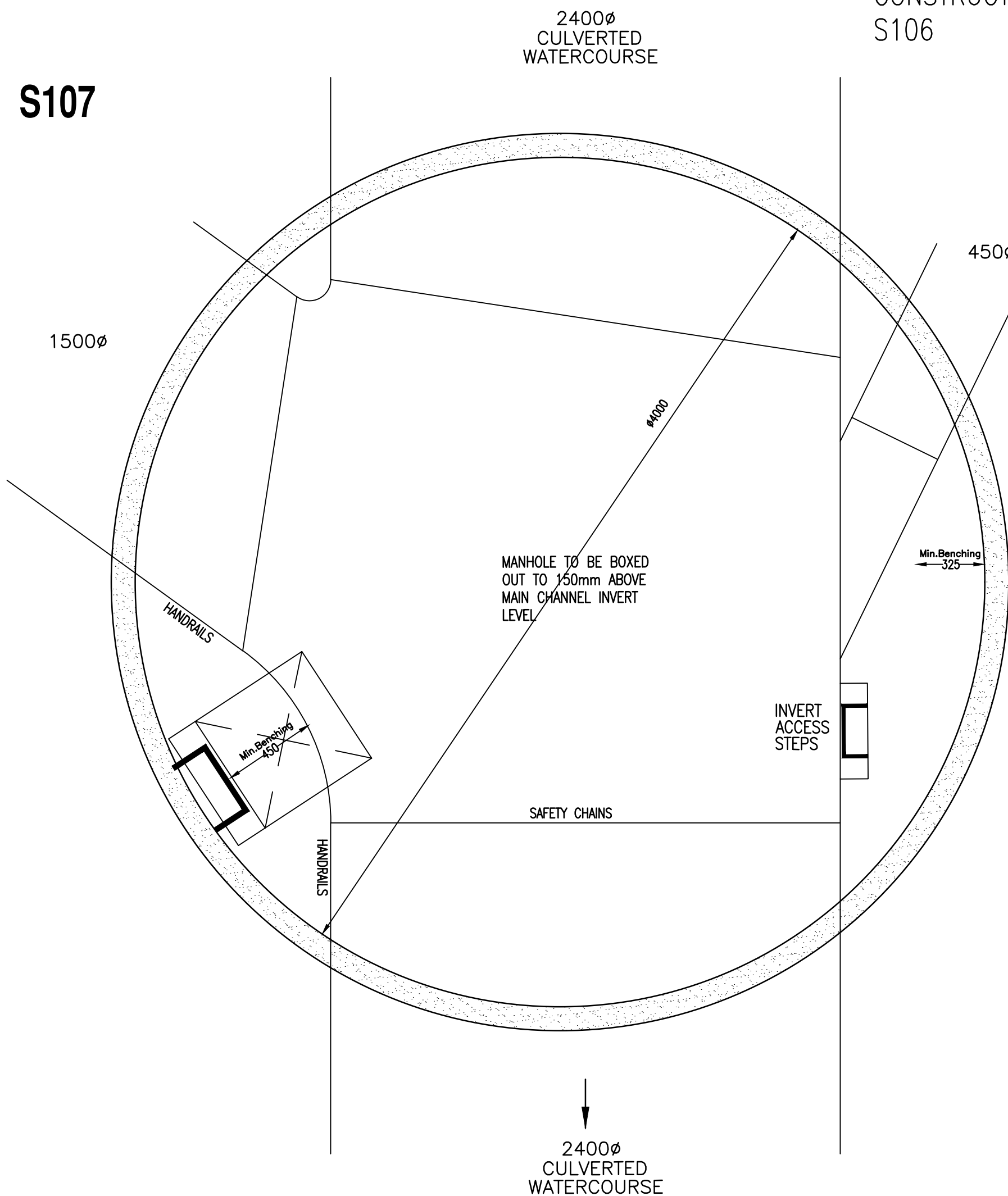


PLEASE NOTE THAT THIS DRAWING IS ISSUED FOR INFORMATION/TENDER
PURPOSES ONLY UNTIL TECHNICAL APPROVAL HAS BEEN GRANTED.
ANY WORK UNDERTAKEN PRIOR TO TECHNICAL APPROVAL BEING GRANTED IS AT THE CLIENTS RISK.

PROPOSED SURFACE WATER TO
CONNECT TO EXISTING SURFACE
WATER CULVERT SUBJECT TO
APPROVAL BY LLFA

PLEASE NOTE: EXTRA CARE TO
BE TAKEN AROUND EXISTING
BRICK CULVERT WHEN
CONSTRUCTING NEW MANHOLE
S106



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

Manhole Number	Cover Level	Connections	Pipe				Manhole Size	Types		Other Detail				
Coordinates	Depth To Soffit			Code	Inverts	Diams		Manhole	Cover	Depth & Size (mm)	Means of Access	Safety Chains	Handrails	Invert Access Steps
S107	45.630		1	1.006	42.490	450	4000	SHALLOW ACCESS MH	D400	150 600 x 600 750 x 600 COVER SLAB OPENING	Ladder	Yes	Yes	Yes
E= 386129.207	2.690		EX 3		40.540	2400								
N= 397012.677			EX		40.540	2400								

ROCKER PIPES WILL BE USED IN LINE WITH DESIGN
AND CONSTRUCTION GUIDANCE
FOR PIPES 225-600 DIA - ROCKER PIPE EFFECTIVE
LENGTH:600
FOR PIPES 825 DIA AND ABOVE - ROCKER PIPE
EFFECTIVE LENGTH SHALL BE 1250, ROCKER PIPES
TO BE USED UNTIL THE PIPE OUTSIDE DIAMETER
EXCEEDS THE EFFECTIVE LENGTH OF THE ROCKER
PIPE

NOTE ALL CONNECTIONS TO BE MADE SOFFIT
LEVEL UNLESS INDICATED OTHERWISE

GENERAL

1. All adoptable sewers and associated works to be comply fully with "Design and Construction Guidance" & Local Practices
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 H of the Building Regulations.
4. All existing invert levels to be checked by the Contractor at the start of works and any discrepancies notified to REFA.
All levels are based on topographical survey information provided by others.
5. All materials to bear the relevant BS/Kitemark and comply fully with the specifications.
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)
6. All opening notices etc. as required under highways acts etc. are to be obtained prior to commencement.
All works are 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 section CD 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 project.

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 any risks involved in this type of work and in particular those highlighted by REFA 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 REFA.

F	S107 CL REVISED	RW	13.07.8		
E	S107 REVISED	AS	04.04.8		
D	MH CD DRDS REVISED	AS	30.03.8		
C	REVISED TO LATEST DESIGN	AS	27.03.8		
B	REVISED TO LATEST DESIGN	AS	22.02.8		
A	MH CD DRDS ADDED	AS	23.01.8		
rev	Revision details	RevBy	Date		



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SAFETY
SCHEMES IN
PROCUREMENT

Drawing Stage		Drawing Status	
	Draft	Comments	● Tender
●	Issued	Information	Construction
		● Approval	As Built

Client:

KELLEN HOMES

Job title

BENNETT STREET MANCHESTER

Drawing title

SW MANHOLE SCHEMATICS DRG 3

REFA

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Date 18.11.22	Scale 1:20	Drawn AS
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DRAWING No	22122/104/5	Rev	F
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