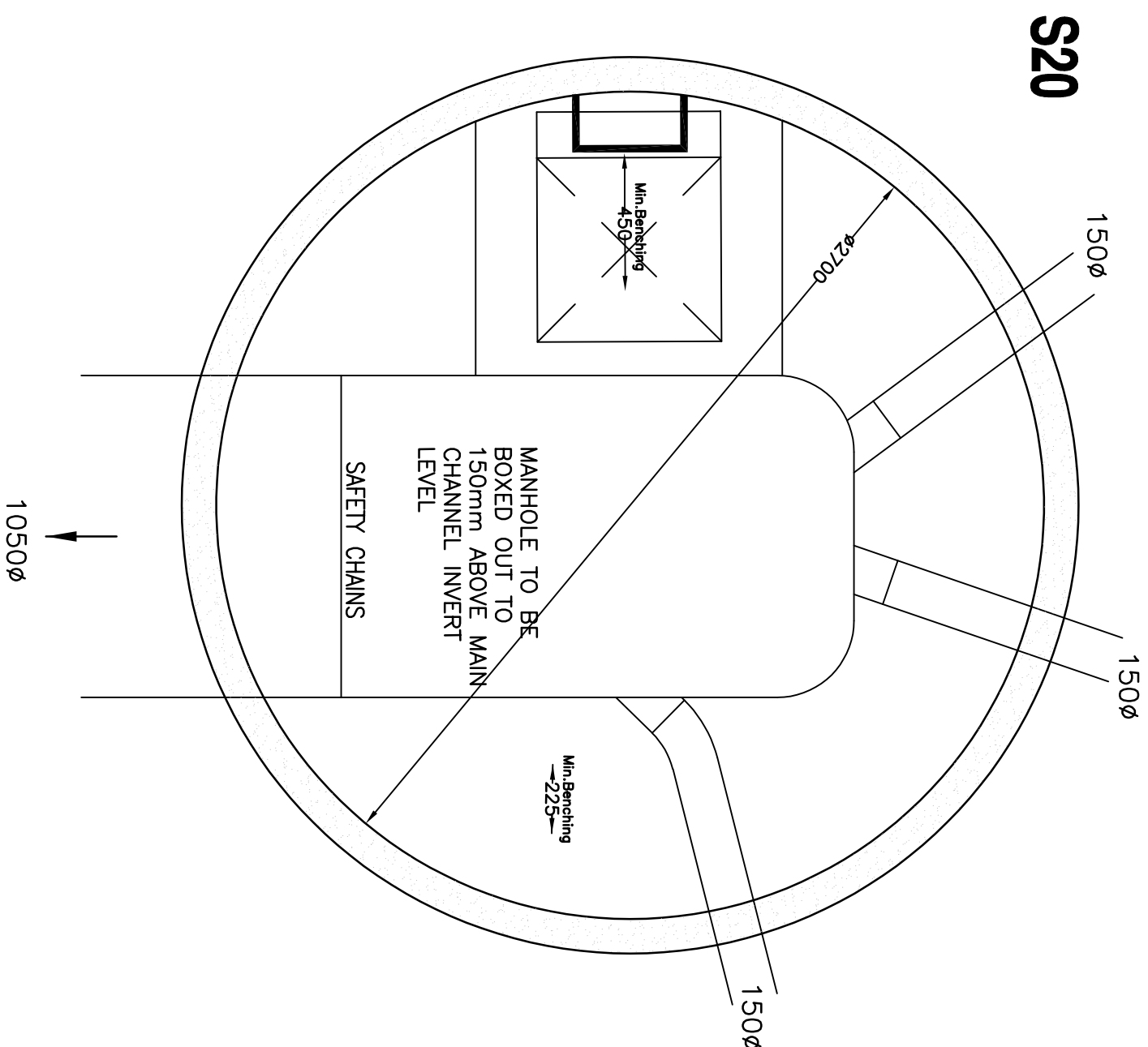
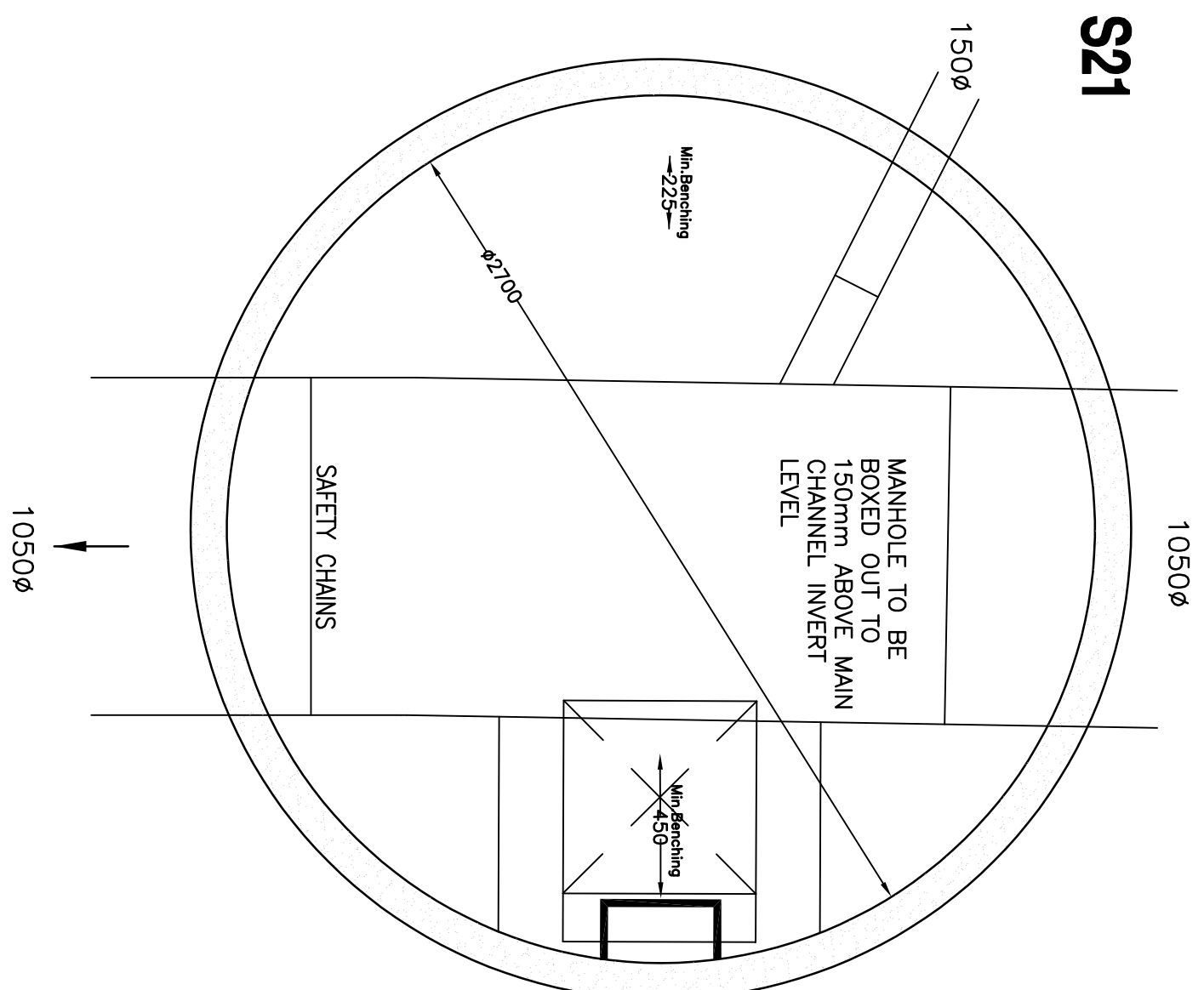
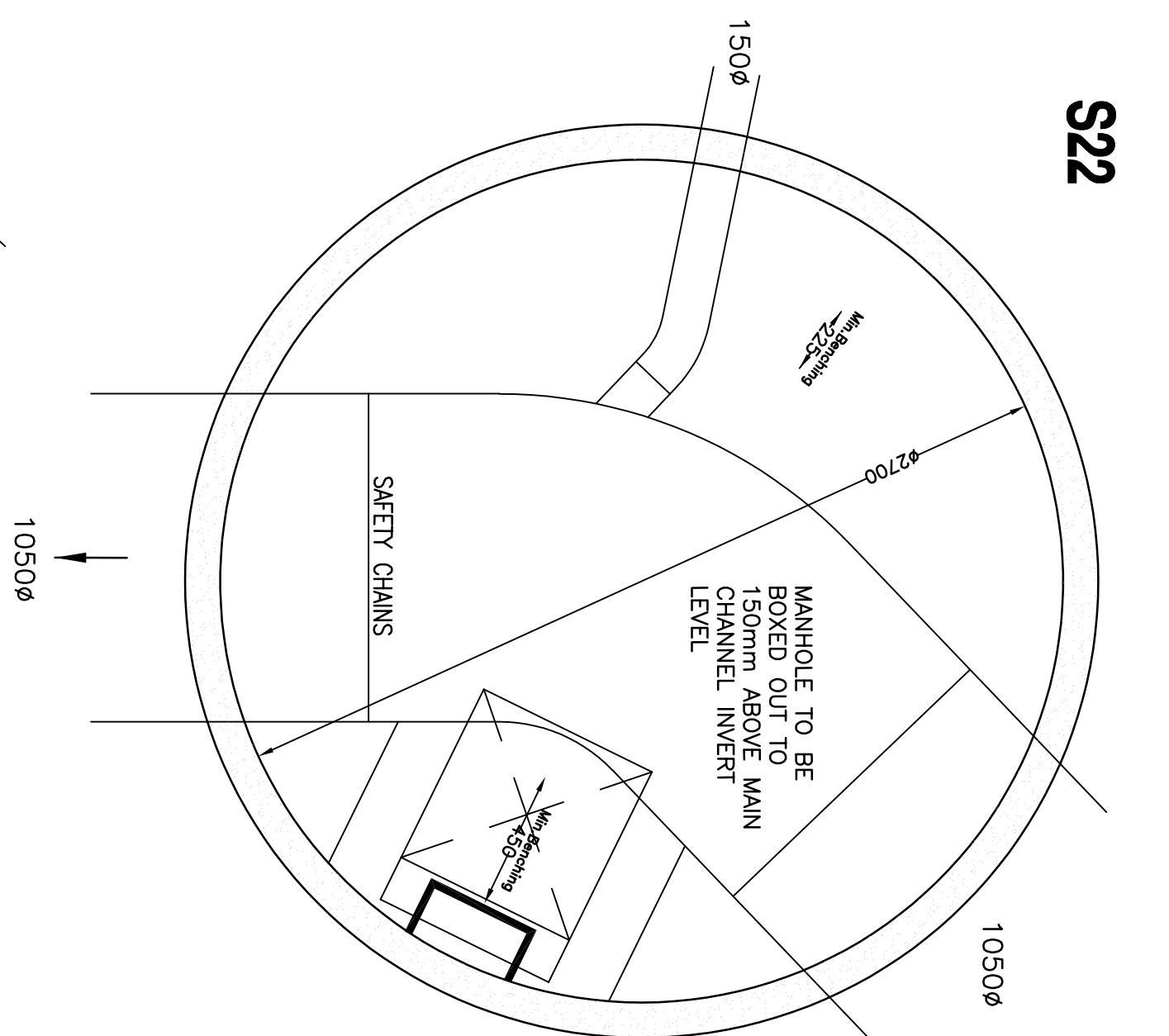
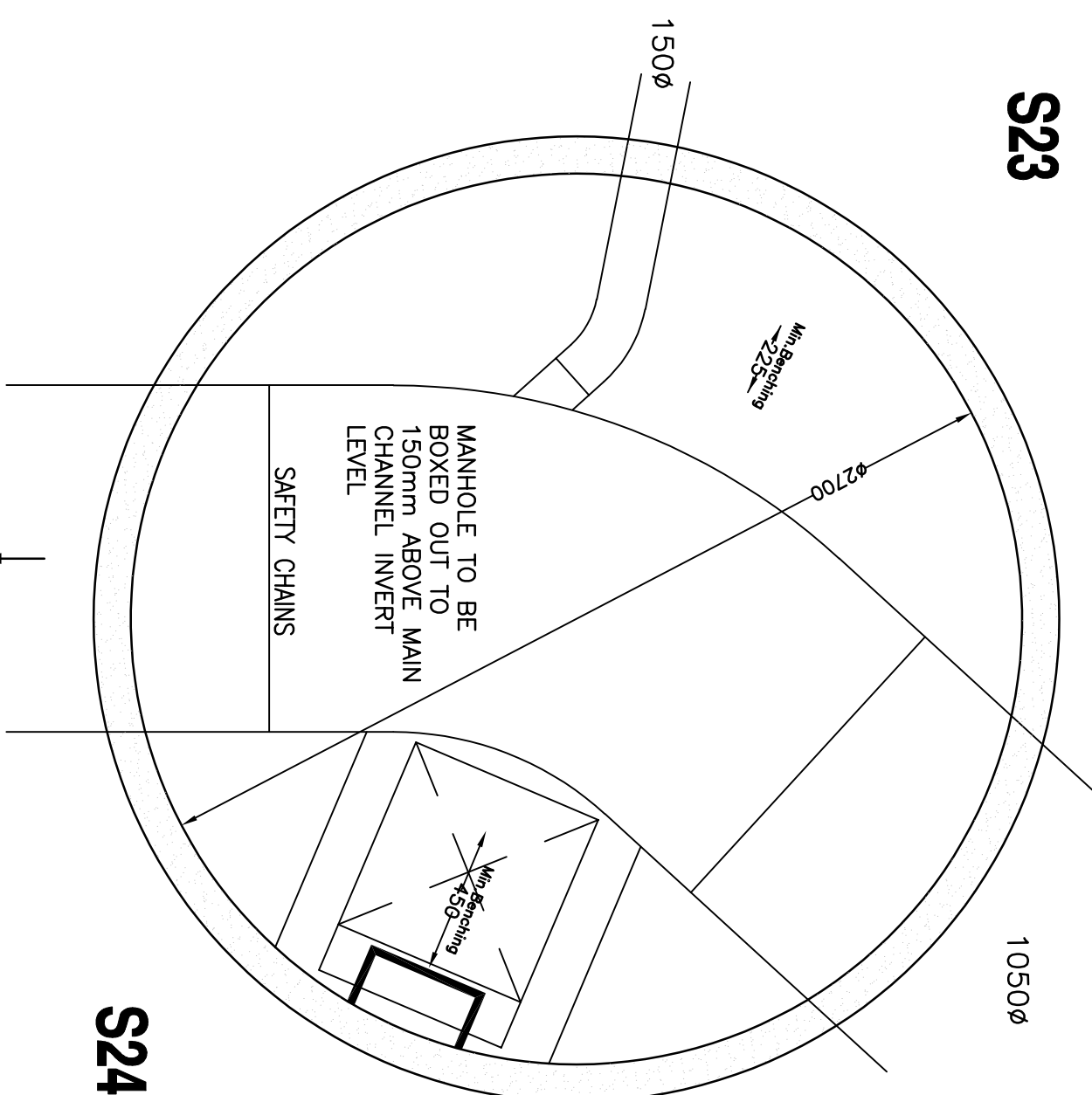
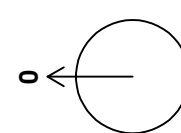
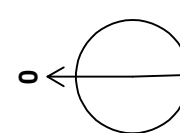
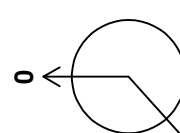
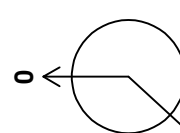
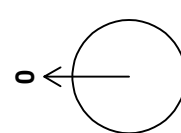
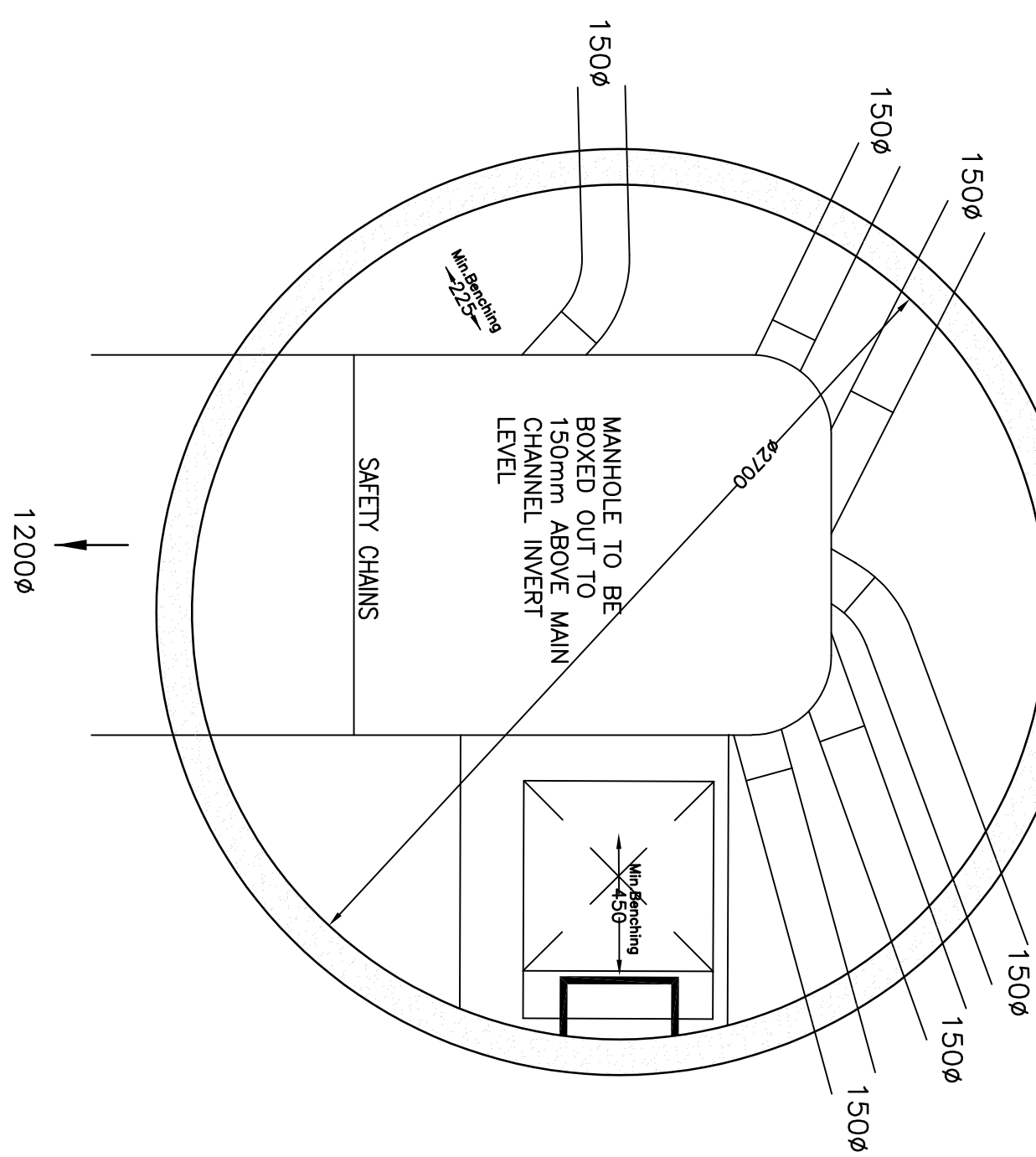




Manhole Number	Cover Level	Depth To Soffit	Connections	Pipe			Manhole Size	Types		Other Detail				
				Code	Inverts	Diams		Manhole	Cover	Depth & Size (mm)	Means of Access	Safety Chains	Handrails	Invert Access Steps
S20	45.525	1.049					2700	SHALLOW ACCESS MH	D400		Double Steps	Yes	No	
	E= 386292.002 N= 397019.629													
S21	45.825	1.421					2700	SHALLOW ACCESS MH	D400		Double Steps	Yes	No	No
	E= 386288.719 N= 397047.846													
S22	46.131	1.771					2700	SHALLOW ACCESS MH	D400		Double Steps	Yes	No	No
	E= 386286.253 N= 397065.100													
S23	46.228	1.887					2700	SHALLOW ACCESS MH	D400		Double Steps	Yes	No	No
	E= 386280.152 N= 397069.437													
S24	46.308	1.811					2700	SHALLOW ACCESS MH	D400		Double Steps	Yes	No	No
	E= 386259.278 N= 397142.349													

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 CLIENT'S 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

NOTE ALL CONNECTIONS TO BE MADE
ROCKER PIPES WILL BE USED IN LINE WITH
SOFFIT LEVEL UNLESS INDICATED
DESIGN AND CONSTRUCTION GUIDANCE
OTHERWISE

NOTE ALL CONNECTIONS TO BE MADE
SOFFIT LEVEL UNLESS INDICATED
OTHERWISE

1. **Standards**
to compare against and associated works are to comply with Design and Construction Guidance².
2. **All highway works** to be of acceptable standards and to comply with the local Authority's Design and Construction Guidance².
3. **All works** with part H of the Building Regulations to comply with the Building Regulations.
4. **All existing street** must be checked by the Contractor at the start of works and any discrepancies noted to H&L.
5. **All new works** to be checked by an independent surveyor provided by other local authority.
5. **All materials** to bear the relevant B.S./ENmark and comply with the specifications.
6. **All concrete and concrete products** must use Sulphate resistant cement (unless the site investigation report proves that sulphate attack is not a problem).
6. **All opening** in walls etc. as required under the Building Regulations must be obtained prior to commencement of works.
7. **All works** are to be inspected by L.A., H&L or Relevant Water Authority as appropriate.

C.D.M. REGULATIONS 2015

In 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 any 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 PCCA below:-

1. Sighting / treatment for ALL excretion work.
 2. Guarding to edges of excavation 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.
 9. Method of working where contaminated ground is present on site.
 10. Confirmation will be required that all operatives are adequately trained, possess of relevant training certificates to be supplied.
- The above list is by no means exhaustive but does highlight operations that present a risk to contractors and the general public.
- For clarification on any item please contact NEPA.

	E	SF2 & SF3 CL MINOR REVISION	Rf	06-04-98
	D	SF0, SF1, SF2, SF3 INCREASED TO 27m	Rf	12-07-97
	C	COVER SIZES REVISED AS SHOWN COMMENTS	Rf	04-10-97
	B	SEWER DESIGN REVISED FOLLOWING MINOR CHANGES TO SF2, SF3 COVER	Rf	06-04-97
	A	LEAKS SF2 REVISED	Rf	06-04-97
	PAY	Revision details	Rev'd	Date


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Drawing Stage		Drawing Status	
<div><div></div><div>Draft</div></div>	<div><div></div><div>Comments</div></div>	<div><div></div><div>Tender</div></div>	
<div><div></div><div>Issued</div></div>	<div><div></div><div>Information</div></div>	<div><div></div><div>Construction</div></div>	
<div><div></div><div></div></div>	<div><div></div><div>Approval</div></div>	<div><div></div><div>As Built</div></div>	

**KELLEN HOMES
LIMITED**

**BENNETT STREET
MANCHESTER**

MANHOLE SCHEMATICS

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<div>CONSULTING ENGINEERS</div> <div>CIVIL STRUCTURAL</div> <div>GEOTECHNICAL ENVIRONMENTAL</div>		
Date 29.11.22	Scale 1:20	Drawn RF
DRAWING NO 22122/109/7	Rev E	

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