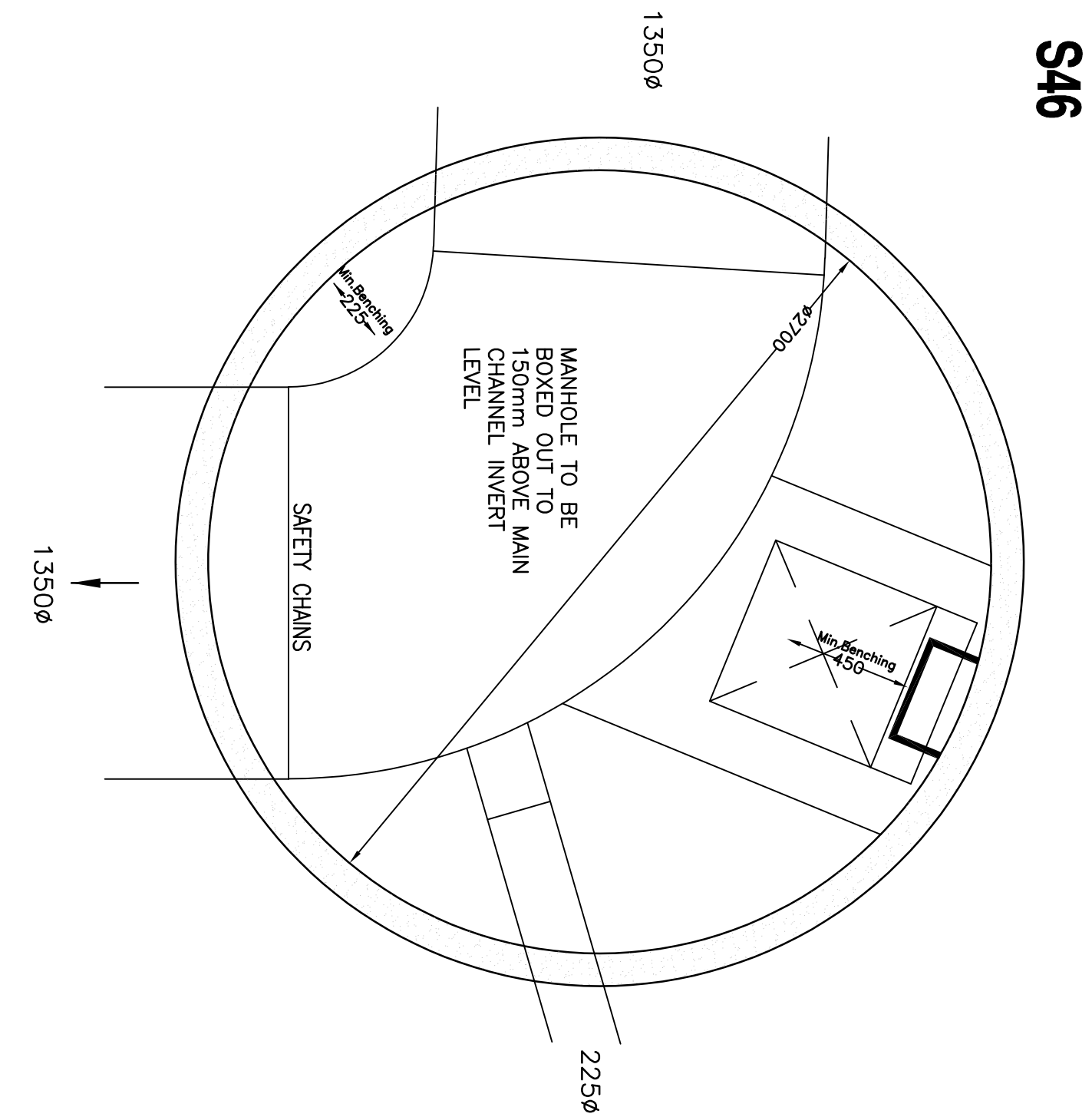
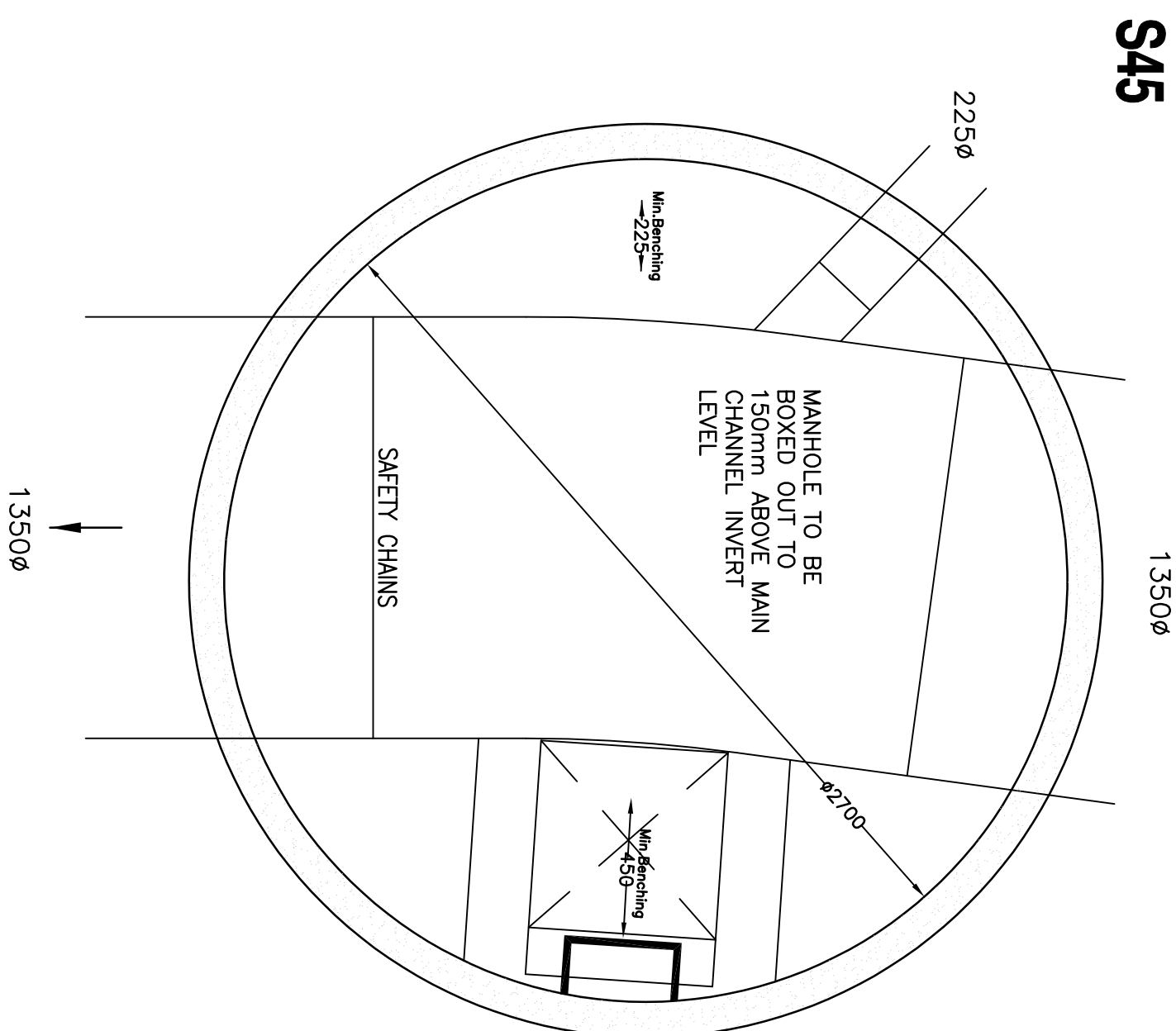
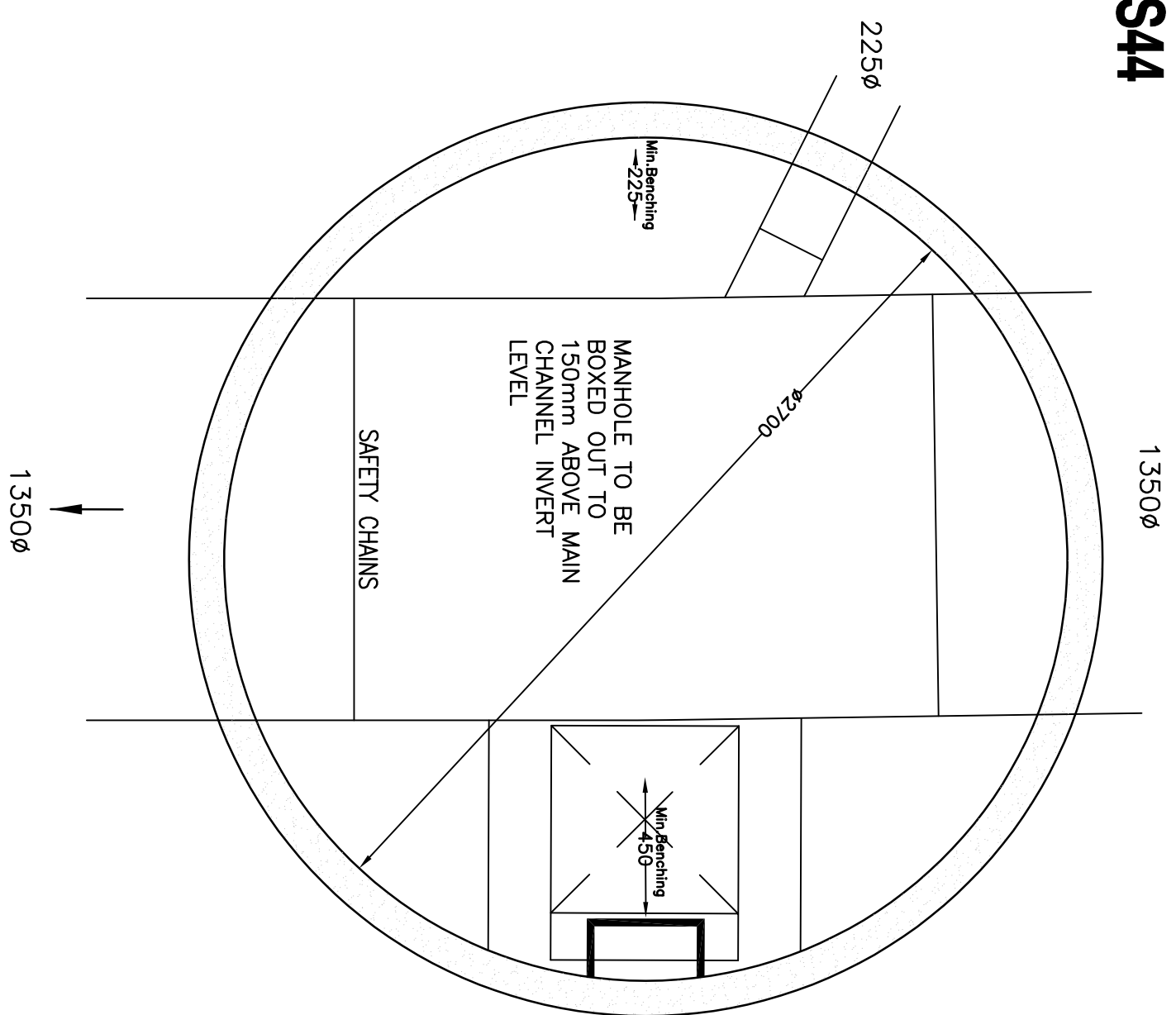
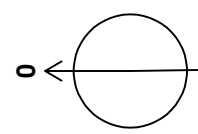
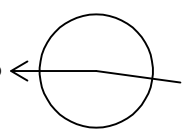
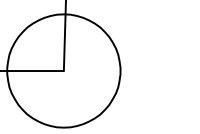
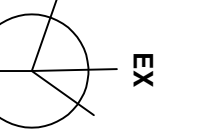




SW - NETWORK 4

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
S44	45,560	1,460		1	3,000	42,750	1350	2700	SHALLOW ACCESS MH	D400	150 675 x 675 COVER SLAB OPENING	Double Steps	Yes	No	No
	0			3,001	42,750	1350									
E= 386165.061 N= 396947.680				0	3,001	42,750	1350								
S45	45,560	1,546		1	3,001	42,664	1350	2700	SHALLOW ACCESS MH	D400	150 675 x 675 COVER SLAB OPENING	Double Steps	Yes	No	No
	0			3,002	42,664	1350									
E= 386141.753 N= 396972.851				0	3,002	42,664	1350								
S46	45,400	1,446		1	3,002	42,604	1350	2700	SHALLOW ACCESS MH	D400	150 675 x 675 COVER SLAB OPENING	Double Steps	Yes	No	No
	0			3,003	42,604	1350									
E= 386123.656 N= 396988.046				0	3,003	42,604	1350								
S107	45,350	2,410		1	1,006	42,490	450								
	EX			EX	40,540	2400									
...				EX		40,540	2400								

*** APPROXIMATE CO-ORDINATES - EXACT POSITION TO BE CONFIRMED ON SITE - REFER TO CULVERT DIVERSION DRAWINGS

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.

1. **Standards**
to compare against and associated works are to compare 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.
4. **All existing** must be checked by the Contractor at the start of works and any discrepancies noted to H&E.
5. **All new** to be checked by H&E. A detailed survey interpretation provided by other specialist surveyors.
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 risk).
6. **All opening** related etc. as required under the Building Regulations.
7. **Highways acts etc.** are to be obtained prior to commencement of works.
8. **All works** are to be inspected by L.A., NHBC or Relevant Water Authority as appropriate.

C.D.M. REGULATIONS 2015

In line with the above regulations we are obliged to inform the Client of their responsibilities under section COM1 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 of 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 RETA 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.

For clarification on any item please contact KERA.

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<u>CONSULTING ENGINEERS</u> CIVIL STRUCTURAL GEOTECHNICAL ENVIRONMENTAL		
Date 29.11.22	Scale 1:20	Drawn RF
DRAWING NO	22122/109/4	Rev C

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