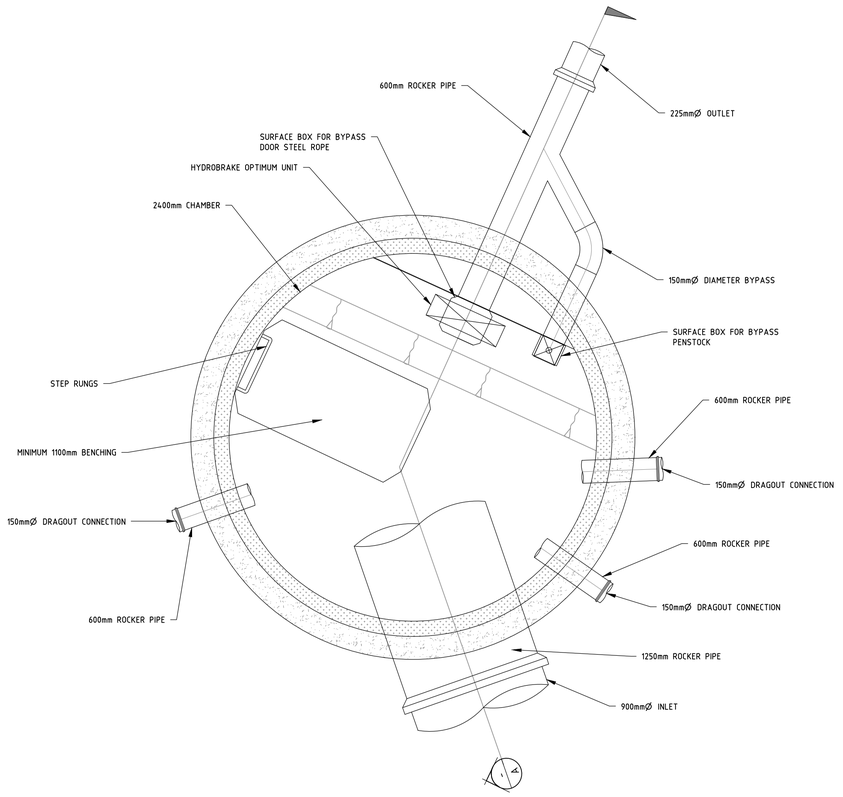
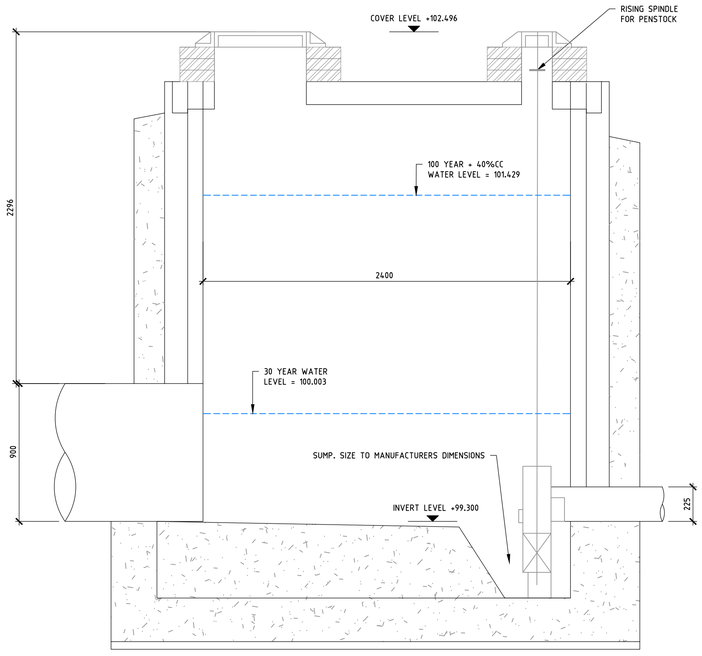
NOTES:

1. ALL SEWERS ARE DESIGNED IN ACCORDANCE WITH SEWERS FOR ADOPTION 6TH EDITION AND UNITED UTILITIES GUIDELINES AND STANDARD DETAILS.
2. ALL CO-ORDINATES AND LEVELS SHOWN ARE RELATIVE TO THE TOPOGRAPHIC SURVEY.
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THE LINE AND LOCATION OF ANY EXISTING SEWERS, AS WELL AS ANY EXISTING GROUND AND INVERT LEVELS SHOWN ON THE DRAWING ARE CORRECT PRIOR TO THE COMMENCEMENT OF ANY WORKS, ANY DISCREPANCIES MUST BE MUST BE REPORTED IMMEDIATELY.
4. PRIOR TO THE COMMENCEMENT OF ANY ON SITE WORKS THE CONTRACTOR MUST CONTACT THE STATUTORY UNDERTAKER AND BE IN POSSESSION OF THE LATEST DRAWINGS SHOWING THEIR APPARATUS.
5. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ALLOW FOR THE SUPERVISION OF THE CONSTRUCTION WORKS BY UNITED UTILITIES AND/ OR THE HIGHWAYS AUTHORITY. THE CONTRACTOR WILL NOTIFY THE SUPERVISING OFFICER GIVING NOTICE WHICH WILL BE IN ACCORDANCE WITH THE AUTHORITIES REQUIREMENTS.
6. THE PROPOSED SEWERS WILL BE CLAY PIPE WORK AND SHALL BE EXTRA STRENGTH TO BS EN 295:1991 PART 1.
7. ANY PCC PIPE WORK WILL BE IN ACCORDANCE WITH BS EN 1916:2002.
8. ALL MANHOLES AND CHAMBERS SHALL BE IN ACCORDANCE WITH BS EN 1917:2002
9. SEWERS WITH COVER TO SOFFIT GREATER THAN 1.2m IN ROADS AND 0.9m IN FIELDS SHALL HAVE CLASS S BED AND SURROUND
10. PRIVATE DRAINAGE CONNECTIONS TO THE SEWER WILL BE 150MM DIAMETER AND LAID TO THE SPECIFIED INVERT.
11. THE INVERT LEVELS SPECIFIED AT THE DRAG OUT CHAMBER ARE INCOMING LEVELS.
12. WHEREVER POSSIBLE PRIVATE DRAINAGE RUNS WILL REMAIN WITHIN THE CURTILAGE OF THE DWELLING FOR WHICH THEY SERVE.
13. THE CONNECTION TO THE ADOPTABLE SEWER SHALL BE MANUFACTURED JUNCTION PIPES A SADDLE CONNECTION IS NOT PERMITTED UNLESS IT IS CLEARLY SPECIFIED.
14. ANY SEWER FOR ADOPTION WITH A COVER OF LESS THAN 1.2M TO PIPE SOFFIT IN ROADS OR 0.9m TO PIPE SOFFIT IN FIELDS WILL HAVE A MINIMUM 150mm GEN 3 CONCRETE BED AND SURROUND WITH FLEXIBILITY MAINTAINED WITH FLEXCELL EXPANSION JOINT FILLER OR SIMILAR APPROVED AT EACH PIPE JOINT.
15. CONNECTIONS TO THE EXISTING SEWER WILL BE IN ACCORDANCE WITH SECTION 104 APPROVAL GRANTED BY UNITED UTILITIES.





MANHOLE S3 HYDROBRAKE
SECTION A

NOTE:
PRECAST CHAMBER RINGS SHOULD NOT BE CUT

MANHOLE S3 HYDROBRAKE

COVER LEVEL:	102.496
INVERT LEVEL:	900mm 99.300
	225mm 99.300
DEPTH TO SOFFIT:	2.296
MAHOLE TYPE:	UU TYPE 5
COVER TYPE:	DOUBLE 1200 X 675 CLEAR OPENING
HYDROBRAKE SPECIFICATION:	MD-SHE-0158-1470-2050-1470
ORIFICE SIZE:	158mm
DESIGN HEAD:	2.05m
DESIGN FLOW:	14.73 l/s

Rev	Date	Description	By	Chk
P02	31.05.23	Spec and water levels updated	H.S	R.A
P01	12.05.23	PRELIMINARY - Issued for Information	H.S	R.A

EDGE CONSULTING ENGINEERS
www.edgece.com

Manchester . UK
3rd Floor, Canavon Court,
12 Blackfriars Street,
Manchester, M3 5BQ,
United Kingdom

T: +44 (0) 161 834 1938
E: manchester@edgece.com

The concepts + information contained in this document are the copyright of EDGE Consulting Engineers. Use or copying of this document in whole or in part without the written permission of EDGE Consulting Engineers constitutes an infringement of copyright.

DO NOT SCALE DRAWINGS. IF IN DOUBT, ASK!

Project Name
VICTORIA AVENUE
BLACKLEY

Client
JOHN SOUTHWORTH

Designed	Drawn	Checked	Scale @ A1
H.S	H.S	R.A	1:20

Drawing Title
HYDROBRAKE DETAIL

Project No.
19238

PRELIMINARY
NOT FOR CONSTRUCTION

Drawing No.
C2202

Revision
P02

FILENAME

PLOT DATE

0 mm 10 20 30 40 50