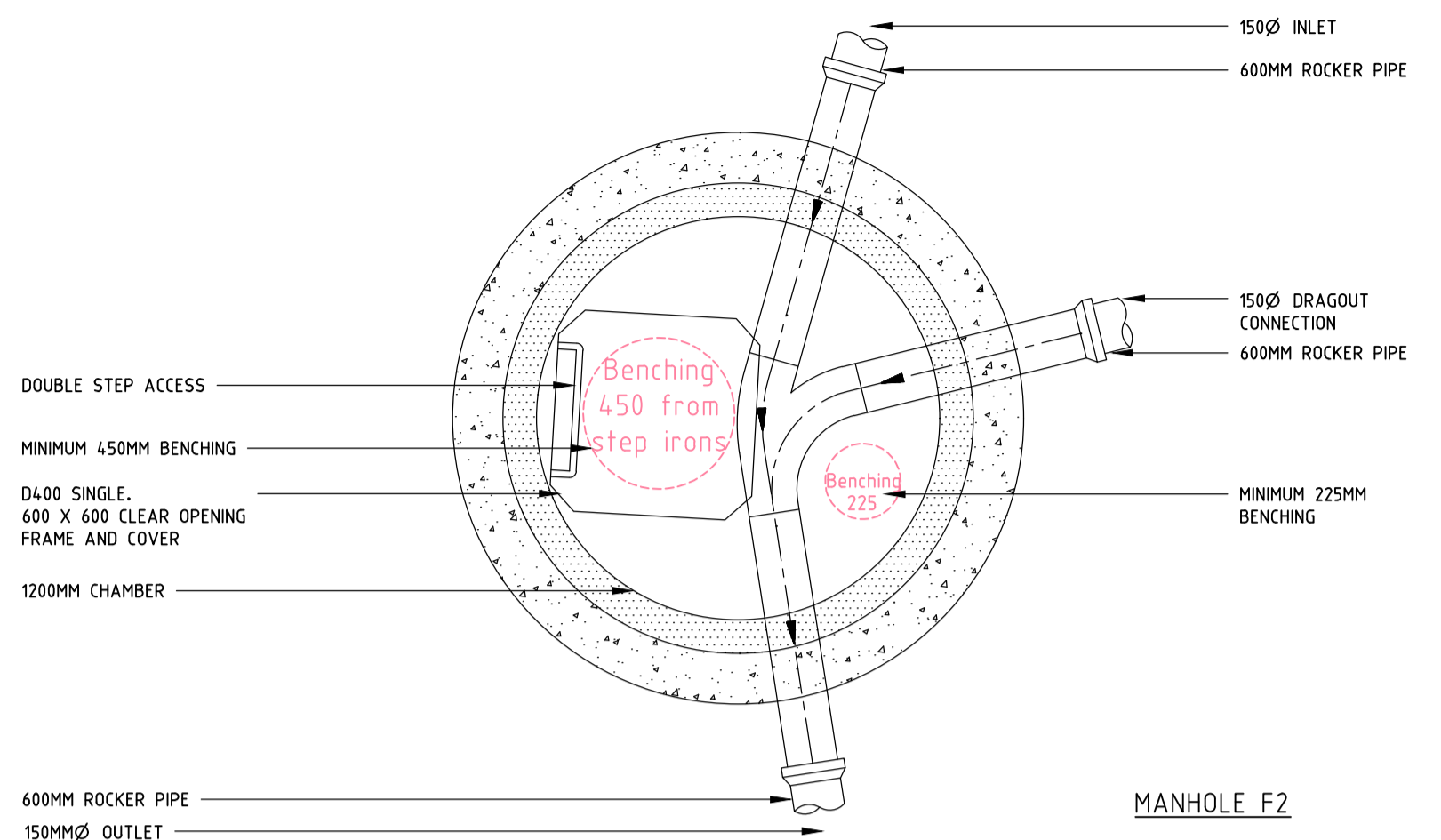


**MANHOLE F1**

COVER LEVEL: 111.006  
 INVERT LEVEL: 108.739  
 DEPTH TO SOFFIT: 2.267  
 MANHOLE TYPE: DCG TYPE B  
 COVER TYPE: SINGLE 600x600 CLEAR OPENING

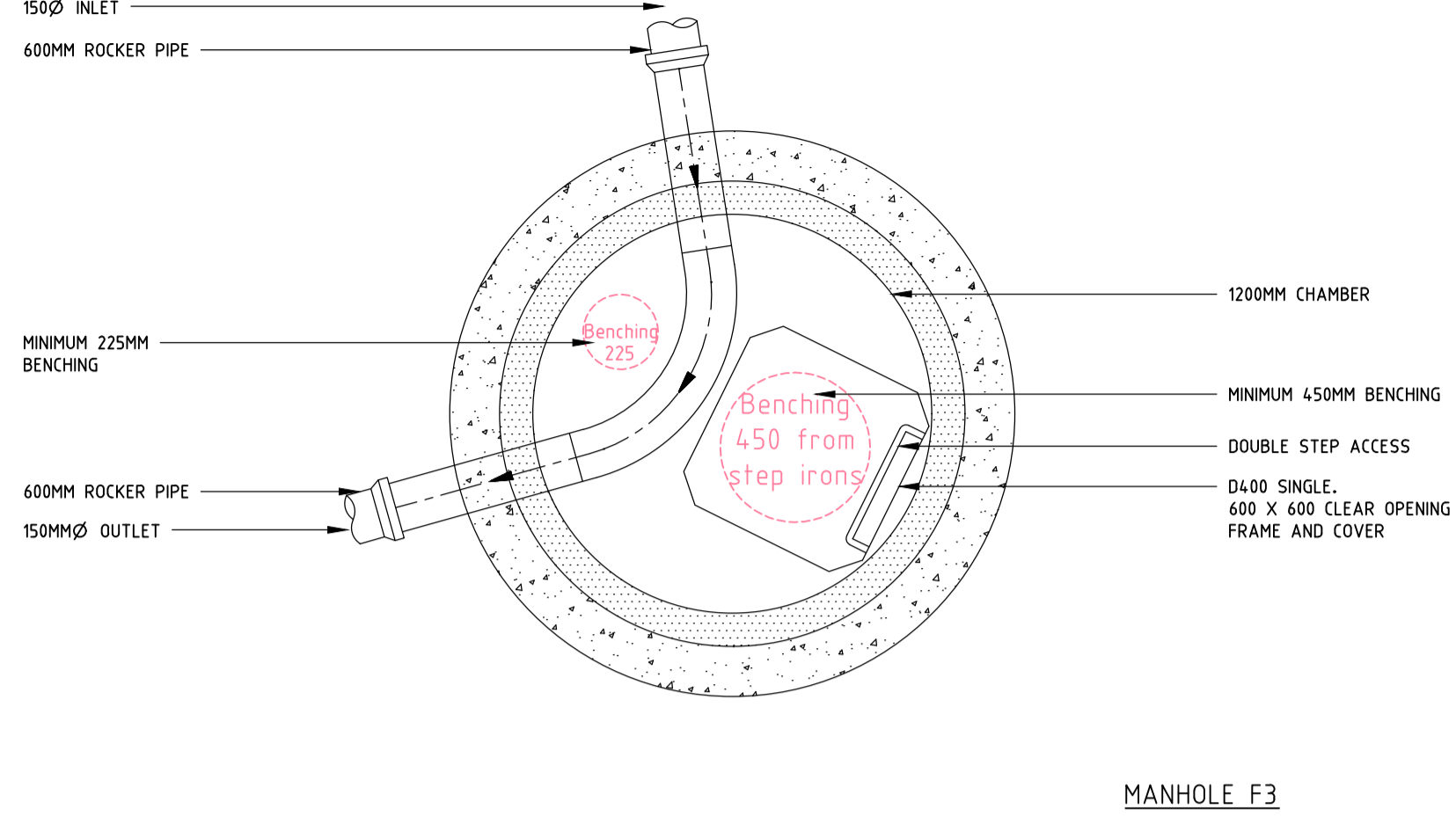
ALL LATERAL CONNECTIONS WILL BE MADE AT SOFFIT LEVEL TO THE MAIN CHANNEL  
 USE OF APPROPRIATE ROCKER PIPE LENGTHS CONFIRMED/ REFERENCE TO VARIABLE FEATURES ON STDN/19/010 (IF APPLICABLE)



**MANHOLE F2**

COVER LEVEL: 109.677  
 INVERT LEVEL: 107.684  
 DEPTH TO SOFFIT: 1.993  
 MANHOLE TYPE: DCG TYPE B  
 COVER TYPE: SINGLE 600x600 CLEAR OPENING

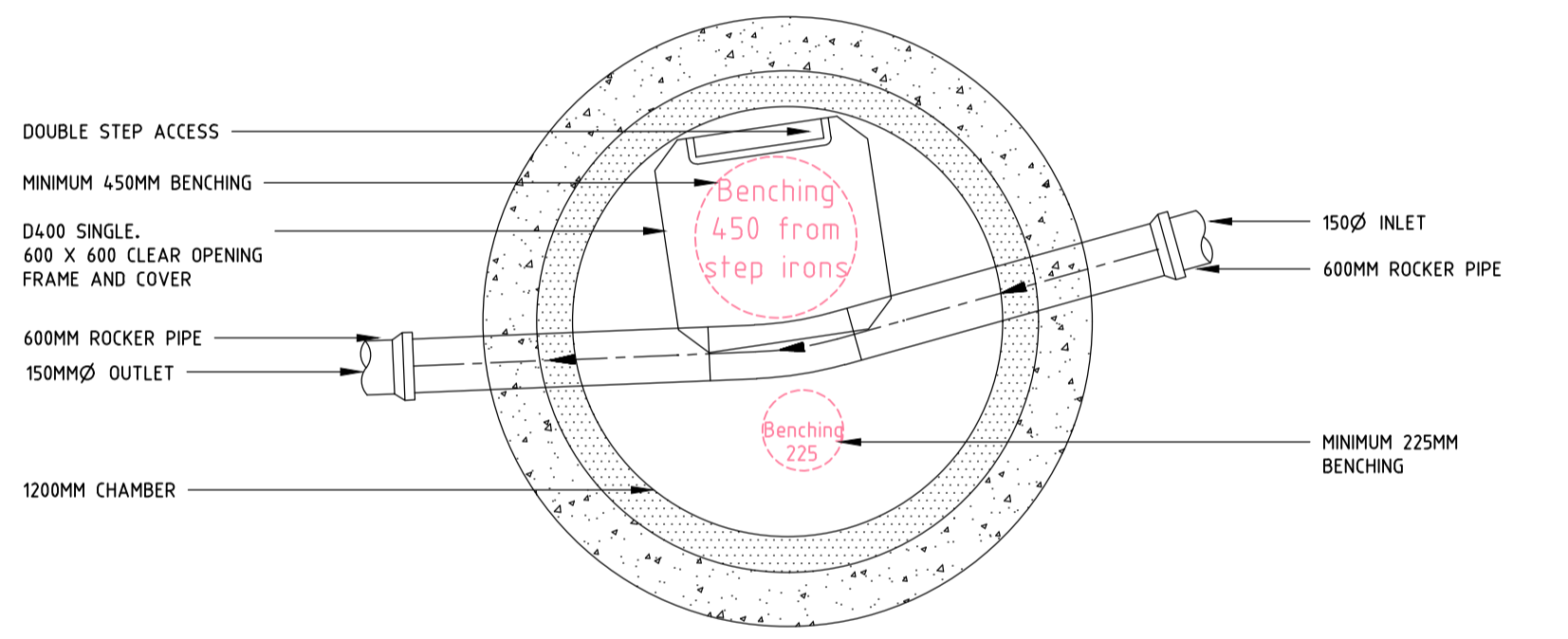
ALL LATERAL CONNECTIONS WILL BE MADE AT SOFFIT LEVEL TO THE MAIN CHANNEL  
 USE OF APPROPRIATE ROCKER PIPE LENGTHS CONFIRMED/ REFERENCE TO VARIABLE FEATURES ON STDN/19/010 (IF APPLICABLE)



**MANHOLE F3**

COVER LEVEL: 109.186  
 INVERT LEVEL: 107.471  
 DEPTH TO SOFFIT: 1.715  
 MANHOLE TYPE: DCG TYPE B  
 COVER TYPE: SINGLE 600x600 CLEAR OPENING

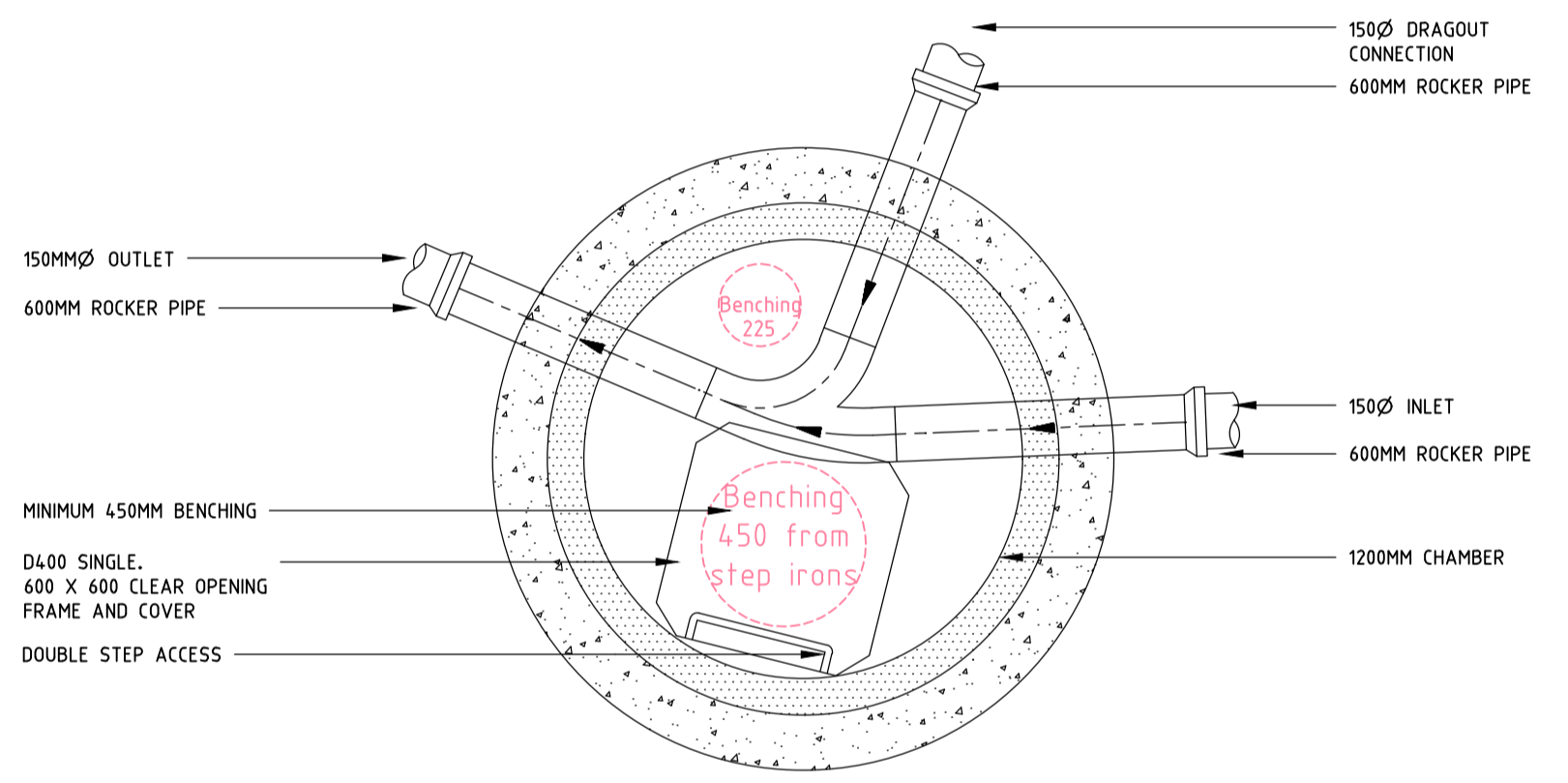
ALL LATERAL CONNECTIONS WILL BE MADE AT SOFFIT LEVEL TO THE MAIN CHANNEL  
 USE OF APPROPRIATE ROCKER PIPE LENGTHS CONFIRMED/ REFERENCE TO VARIABLE FEATURES ON STDN/19/010 (IF APPLICABLE)



**MANHOLE F4**

COVER LEVEL: 109.460  
 INVERT LEVEL: 107.262  
 DEPTH TO SOFFIT: 2.048  
 MANHOLE TYPE: DCG TYPE B  
 COVER TYPE: SINGLE 600x600 CLEAR OPENING

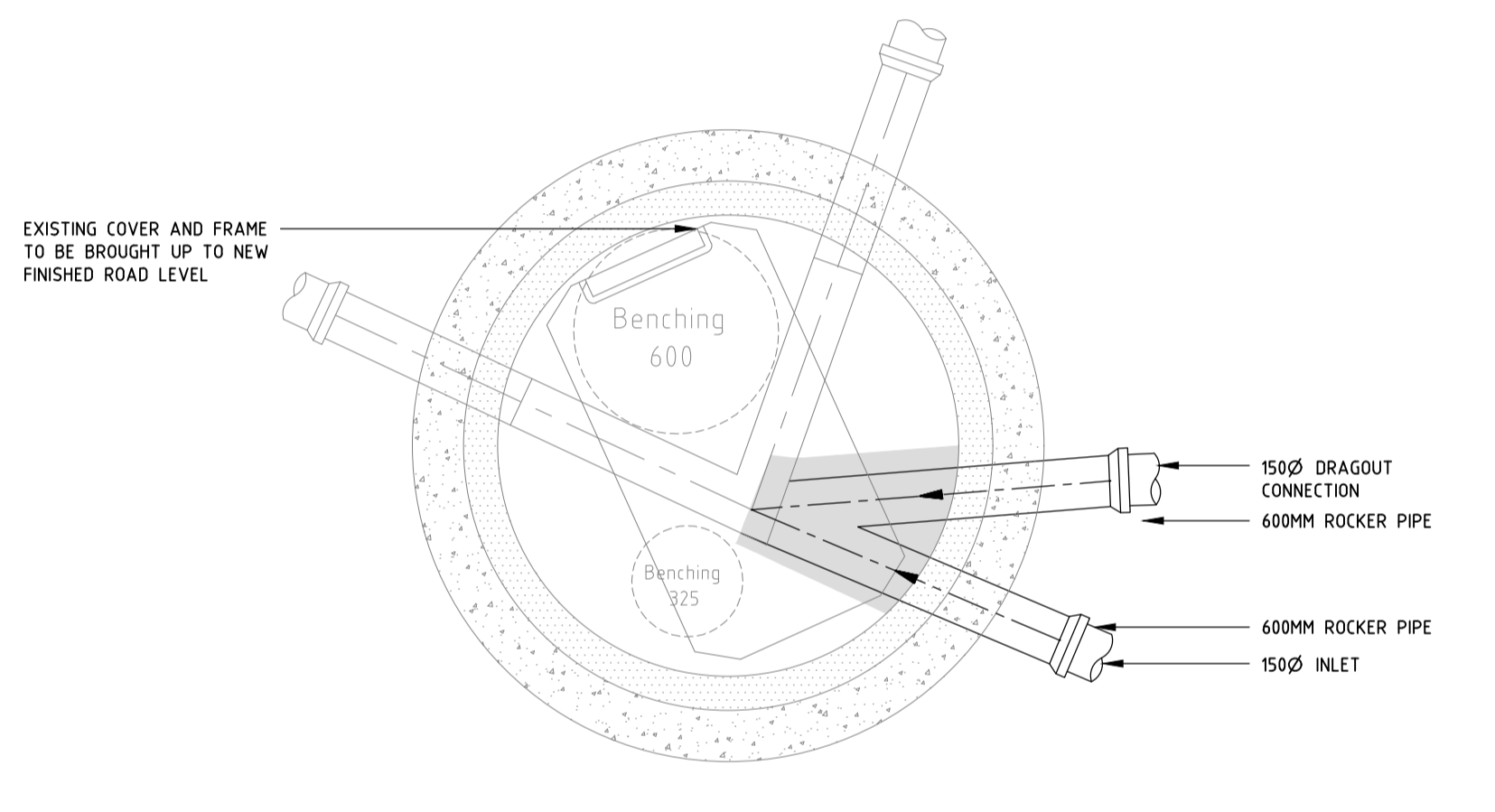
ALL LATERAL CONNECTIONS WILL BE MADE AT SOFFIT LEVEL TO THE MAIN CHANNEL  
 USE OF APPROPRIATE ROCKER PIPE LENGTHS CONFIRMED/ REFERENCE TO VARIABLE FEATURES ON STDN/19/010 (IF APPLICABLE)



**MANHOLE F5**

COVER LEVEL: 109.400  
 INVERT LEVEL: 107.085  
 DEPTH TO SOFFIT: 2.165  
 MANHOLE TYPE: DCG TYPE B  
 COVER TYPE: SINGLE 600x600 CLEAR OPENING

ALL LATERAL CONNECTIONS WILL BE MADE AT SOFFIT LEVEL TO THE MAIN CHANNEL  
 USE OF APPROPRIATE ROCKER PIPE LENGTHS CONFIRMED/ REFERENCE TO VARIABLE FEATURES ON STDN/19/010 (IF APPLICABLE)



**MANHOLE EXF19**

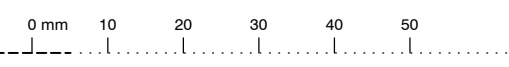
COVER LEVEL: 108.819  
 INVERT LEVEL: 106.463  
 DEPTH TO SOFFIT: 2.296  
 MANHOLE TYPE: EXISTING  
 COVER TYPE: EXISTING

ALL LATERAL CONNECTIONS WILL BE MADE AT SOFFIT LEVEL TO THE MAIN CHANNEL  
 USE OF APPROPRIATE ROCKER PIPE LENGTHS CONFIRMED/ REFERENCE TO VARIABLE FEATURES ON STDN/19/010 (IF APPLICABLE)

**NOTES:**

- ALL SEWERS ARE DESIGNED IN ACCORDANCE WITH SEWERS FOR ADOPTION 6TH EDITION AND UNITED UTILITIES GUIDELINES AND STANDARD DETAILS.
- ALL CO-ORDINATES AND LEVELS SHOWN ARE RELATIVE TO THE TOPOGRAPHIC SURVEY, RSK DRAWING NUMBER 29294191-T-01 DATED 25.03.2014.
- 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 REPORTED IMMEDIATELY.
- 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.
- 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.
- THE PROPOSED SEWERS WILL BE CLAY PIPE WORK AND SHALL BE EXTRA STRENGTH TO BS EN 2951991 PART 1.
- ANY PCC PIPE WORK WILL BE IN ACCORDANCE WITH BS EN 1916:2002.
- ALL MANHOLES AND CHAMBERS SHALL BE IN ACCORDANCE WITH BS EN 1917:2002.
- ANY SEWER FOR ADOPTION WITH COVER TO SOFFIT GREATER THAN 1.2m IN ROADS AND 0.9m IN FIELDS SHALL HAVE GRANULAR CLASS 5 BED AND SURROUND.
- 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.
- PRIVATE DRAINAGE CONNECTIONS TO THE SEWER WILL BE 150mm DIAMETER AND LAID TO THE SPECIFIED INVERT.
- THE INVERT LEVELS SPECIFIED AT THE DRAG OUT CHAMBER ARE INCOMING LEVELS.
- WHEREVER POSSIBLE PRIVATE DRAINAGE RUNS WILL REMAIN WITHIN THE CURTILAGE OF THE DWELLING FOR WHICH THEY SERVE.
- THE CONNECTION TO THE ADOPTABLE SEWER SHALL BE MANUFACTURED JUNCTION PIPES A SADDLE CONNECTION IS NOT PERMITTED UNLESS IT IS CLEARLY SPECIFIED.
- CONNECTIONS TO THE EXISTING SEWER WILL BE IN ACCORDANCE WITH SECTION 104 APPROVAL GRANTED BY UNITED UTILITIES.

FILENAME: \_\_\_\_\_  
 PLOT DATE: \_\_\_\_\_



PO1 18.12.23	PRELIMINARY - Issued for Information	RA	HS
Rev	Date	Description	By

**EDGE CONSULTING ENGINEERS**  
 Manchester . UK  
 3rd Floor, Cornovion Court,  
 12 Blackfriars Street,  
 Manchester, M3 9BQ,  
 United Kingdom  
 T: +44 (0) 161 834 1938  
 E: manchester@edgece.com

The contents + 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:  
**LEE HALL WESTHOUGHTON**

Client:  
**PERSIMMON HOMES**

Designed	Drawn	Checked	Scale @
RA	J.C	RA	1:20

Drawing Title:  
**FOUL WATER 1 TO 20 MANHOLE DETAILS**

Project No:  
**19358**

Drawing No:  
**19358-EDGE-CC-XX-DR-C-2104 P01**

**PRELIMINARY NOT FOR CONSTRUCTION**