

171.206 170.081

171.160 | 169.853

170.150 | 169.025

171.500 | 169.669

MH CL, m | MH IL, m

171.300 | 170.250

171.410 | 170.250

171.020 | 168.952

171.670 | 170.620

172.200 | 168.818

171.900

172.000

169.627

170.342

168.960

1.125

1.307

1.125

1.350

1.831

1.050

1.160

1.343

2.273

1.974

2.068

1.050

1.658

3.382

171.040 | 169.415 | 1.625 | 169.415

170.081 169.853

169.853

169.025

168.960

169.185

169.669

FOUL MANHOLE SCHEDULE

170.250

170.250

169.987

169.627

169.166

168.952

170.620

170.342

170.228

168.818

Pipe IL (m) Pipe Size (mm)

MH Depth, Incoming

225

225

225

225

225

225

2x150

2x150

Incoming

150

150

150

150

150

150

150

150

150

1.200

1.200

1.200

1.200

1.200

0.600

0.600

0.600

0.600

1.200

0.600

0.600

0.600

0.600

TYPE B1/E

TYPE B1/E

TYPE B1/E

TYPE B1/E

TYPE B

MH Dia, m MH Type MH Cover

TYPE D

TYPE D

TYPE D

TYPE D

TYPE B1/E

TYPE D

TYPE D

TYPE D

TYPE D

1.200 TYPE B

D400

BS EN 1610:2015 - Construction & Testing of Drains & Sewers. Building Regulations Document Part H. 5. All pipe laying works are to proceed upstream unless noted otherwise. 5. All drainage runs shall be completed in advance of the external works. Manhole locations where full setting out is not provided shall be fixed at the best location that suits the criteria indicated on the drawings (i.e. pipe gradients, lengths, incoming connections). Such manholes shall have their placement confirmed to the contract administrator. Flows into the network should be avoided until the outfalls are established. If water entry is unavoidable prior to this, a sump should be constructed to be pumped out as required. Existing invert levels at final discharge points to be checked prior to construction. 10. Where additional connections to the network are instructed by others (or shown on their drawings) such connections shall not be made without confirmation from the contract administrator. 11. Any existing pipes, french drains, streams or water entries encountered during pipe laying or elsewhere within the contract boundary should be reported to the contract administrator immediately. 12. Manhole cover and frame to suit manhole/inspection chamber ø, in accordance with EN 124. 13. Concrete pipes to comply with the requirements of BS 5911 and to be flexibly jointed. 14. Plastic pipes and fittings to the following; UPVC - to BS EN 1401 Polypropylene - to BS EN 1852 15. Clay pipes to be vitrified clay extra strength, plain end pipes and fittings with plastic sleeve joints to BS 16. Pipes and fittings are to be laid in accordance with

> pipes to have concrete bed, surround and infill 20. All pipe trenches shall have selected excavated material for backfill, except for those which pass beneath any buildings or external pavements which

17. Pipe work beneath buildings to have concrete bed and

18. Where cover to adopted pipes is less than 1200mm

and 900mm to private pipes in roads and hard

standings concrete protection is to be provided. All drain runs near buildings shall also receive concrete

19. Where surface water pipes cross foul water pipes both

manufacturers recommendations.

protection - refer to details.

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drainage survey information.

PRIOR to construction on site.

following standards;

drawing No. 5850JH dated July 2023.

Design subject to review following receipt of further

Should there be any conflict between the details

indicated on this drawing and those indicated on other documents the Engineer should be informed

Existing drainage information based on CT Surveys

All work is to be undertaken in accordance with the

shall have type 2 material for backfill. 21. All pipe trenches shall have selected excavated material for backfill, except for those which pass beneath any buildings or external pavements which shall have type 2 material for backfill.

Excavated material for reuse in reinstatements shall

Generally unsaturated, uniform and readily

compacted. Free of clay lumps, bricks, stones and the like in excess

of 75mm nominal size.

Free of tree roots, bushes, building rubbish and the

19. Until final surface is placed, heavy traffic is not to be

allowed over pipe trenches without special provisions 20. All landscaping, footpaths and street furniture to architects specification and details.

REV DATE CHK APR **beam**consulting

Beam Consulting 14 Bond Street Wakefield WF1 2QP Tel: 01924 361653 Fax: 01924 364631

Tesco Featherstall Road, Chadderton

DRAWING TITLE

Detailed Drainage **General Arrangement**

Tesco Stores Ltd

Information

DRAWN **GWF** 31/08/2023 CHECKED MB APPROVED AS SHOWN @ A1

REVISION

DRAWING NUMBER

171-53-500