

McDonalds restaurant



A01. These notes are intended to augment drawings and precedents shall be as shown in the specification. Otherwise the strictest provision shall govern.

A02. This drawing to be read in conjunction with all other relevant drawings and specifications.

A03. Drawings not to be scaled. All dimensions to be checked on site by the contractor. Any discrepancies to be notified to the Engineer and further instructions obtained before work is commenced.

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Machinable construction - refer to CPA technical bulletin Sept 2001 BS5911-2001:1994. All precast concrete products are to be Kite marked unless otherwise stated. All precast concrete products are to be class D400 to BS5912 with 1500mm deep frames.

Fill ground must be filled and consolidated under the supervision of a competent person before any sewer works are carried out.

Plastic channels are not acceptable

All custom built formwork to be hot dipped galvanised prior to final fitting.

Adoptable sewer pipes to be laid in max 3m lengths unless there is a specific operational need to vary longer lengths.

Yorkshire water are not obliged to accept filter drain / land drainage runoff into the public sewer network or adoptable drainage network unless it can be demonstrated that the drainage system will not cause any pollution or nuisance to the public sewer network. All drainage systems must be designed in accordance with the Local Authority, Land Drainage Section with regard to the disposal of the filter drain/land drainage run-off.

Cover slabs must carry the BS1 Kitemark or will be rejected by Yorkshire Water Inspector. Where the clear opening of the Kitemarked product is different to that of the cover and frame, a loading bearing slab should be fitted above the cover slab to bring the size down to 600mm x 600mm. The cover and frame must be fitted to the correct depth and the concrete Pipe Systems Association (CPSA), Technical Bulletin, issued Autumn 2004 for Kitemarked cover slab opening sizes.

Slipcrete resistant cement (C20-C22) and precast concrete products must be used or a laboratory report provided proving that such precautions are not necessary.

Sewers must have 5 metres clearance from trees and hedges (unless for restrictions on tree planting adjacent to sewers). Adopter: 6th Edition of BS5911-2001:1994. All precast concrete products are to be Kite marked unless otherwise stated. All precast concrete products are to be class D400 to BS5912 with 1500mm deep frames.

The chamber size of manholes with more than one connection in them may need to be increased one increment to accommodate the connection and service.

Yorkshire Water policy is not to accept type C brick manholes and pipe manhole construction with a 1200 or 1500mm cover slab with the opening steel over the chamber where the depth of cover to pipe soffit is 1.0-1.5m.

Contractors should be aware of significantly large diameter pipes and manhole chamber rings proposed in this design and precautions should be taken in movement and placing of such items. Also to be considered are the following items: large diameter pipes, large diameter manhole components up to 8m deep excavations.

All adoptable sewer works and materials to be in accordance with the current BS standards / requirements / addendum to the Yorkshire Water standards / requirements & Kitemarked.

The adoptable sewers shall be a min 1.0m and manholes 0.5m from the curb and service margins.

Sewers must have 5m clearance from trees and hedges see SH46 for restrictions on tree planting / types.

Bedding and backfill material to conform with the Water Industry specification 4-08-02 (table A2)

Where B125 cover and frame has been approved they must not be coated in plastic and must have lifting eyes suitably sized to accommodate standard lifting keys. Screw down covers not allowed under the provision of section 111 of the Water Industries Act 1991. It is unlawful to pass into any public sewer (or private sewer connecting to a public sewer) any material, refuse, oil, fat, grease, or any other substance which is likely to cause a blockage or interference with the treatment and disposal of its contents. Amongst other things this includes construction materials. Construction of section 111 is a criminal offence.

PRIVATE DRAINAGE

All drainage to comply with BS8301

100mm drains to be laid at minimum gradient 1 : 80. 150mm drains to be laid at minimum gradient 1 : 100mm diameter, unless otherwise stated. All final connections to main sewer to be 150mm diameter. All connections joints to remain flexible (ridges to be retained flexible with a bed and surround of pea gravel. All drains to be bridged over with concrete inlets

All foundations to be taken below inspection chamber or manhole to be connected via a roddable gully.

225mm dia inspection chambers to be laid on finished ground level. 600mm dia inspection chambers to be laid on a maximum depth of 1200mm below finished ground level. 450mm dia inspection chambers to be laid on a maximum depth of 1200mm below finished ground level. 300mm dia inspection chambers to be laid on a maximum depth of 300mm below finished ground level.

PRIVATE FOU L PUMP STATION

Power unit 4765

Internal LL 4785

Rising main LL 4785

RM discharge LL 5085

RM length 31m

Temp pressure 180v 3phd

Full telemetry

Auxiliary generator socket

ALL LEVELS ARE RELATED TO OSBM02 TRANSFORMATION (GPS) COORDINATE GRID IS BASED ON OSGB36 COORDINATE SYSTEM (GRS)

FLOOR LEVELS ARE PRELIMINARY AND SUBJECT TO PART M ACCESS AND PRIVATE DRAINAGE DETAILS. FURTHER INFORMATION REQUIRED FROM ARCHITECT

058B36 COORDINATE SYSTEM (GRS)

SHF-0075-3300-1800-3300 150mm diam, protected by bypass door from 8 Maritime House, 143 Woodville Street, Glasgow G3 1XG

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5. Green line revised as client instruction

R. Full redesign following layout change SW storage increased

Q. Private foul water pump station added

Q. Foul sewer F1-12 revised, reference to section 19-5-22

Q. Licence added

P. F4-15 details added, F1-12 length revised

N. Drawing updated following preliminary issue to client

M. Drawing updated following preliminary issue to client

L. Complete redesign based on amended planning layout.

K. SW storage pipe increased to 01800mm

J. Man added to section 115 connection.

H. S1-S2-S3-S4 revised, further details added to adoptable sewers, site contours added

G. Foul sewer F1-12 added for section 104 adoption, S2-S4

F. revised following survey of existing manhole

E. Surface water drainage re-designed for section 104

D. Layout revised in line with planning submission

C. Full design following layout change

B. Drain revised following client meeting

A. Drain revised following client meeting

PRELIMINARY ONLY

Based on Site Plan Issued 10-12-19

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Section 104

DRAWN BY TAB
SCALE 1:200
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DRAWING NO 1073-1-104
REV'S