

Project/Task No. 13133-05 Scale: 1:100 ORIGINAL DRAWING SIZE A1

1. GENERAL

- (i) This drawing is not to be scaled, work to figured dimensions only, confirmed on site.
- (ii) This drawing is to be read in conjunction with all relevant architectural drawings, detailed specifications where applicable and all associated drawings in this series.
- (iii) Any discrepancy on this drawing is to be reported immediately to the partnership for clarification.
- (iv) The contractor is responsible for all temporary works and for the stability of the works in progress.

<u>DRAINAGE GENERAL</u>

All foul and storm water drains which are not to be adopted as public sewers under a section 104 Agreement must be constructed in accordance with the Building Regulations, BS EN 752:2017 and, where appropriate, the relevant agreement certificates Manholes, gullies, gully connections, sewers and other sewerage

- structures intended to convey surface water are to be constructed in accordance with Water UK 'Sewerage Sector Guidance' (SSG) and relevant Council Design Guide 3. All concrete used in drainage works to comply with BRE Special Digest
- 1 (SD1:2005) for Class 2 sulphate conditions

BELOW GROUND DRAINAGE

- 1. Inspection Chambers to comply with BS EN 13598-1:2020 (Fittings and Shallow Chambers)
- Plastic pipes shall be of unplasticised polyvinyl chloride (uPVC) complying with BS EN 1401-1:2019
 Concrete pipes shall be spun by a centrifugal process or be vertically pressed. They shall possess self inverting sockets and shall comply with the requirements of and be tested in accordance with BS 5911-1:2021 and BS EN 1916:2002
- 4. All adoptable drainage to be constructed in accordance with Water UK 'Sewerage Sector Guidance' (SSG) and the relevant Council Design Guide 5. All private surface water sewers to be laid at 1 in 80 unless otherwise
- stated on the drawing 6. All private foul water sewers to be laid at 1 in 40 at the head of
- 7. All private foul sever pipes to be 100 mm diameter unless otherwise
- stated on the drawing 8. All private surface water sewer pipes to be 100mm diameter from downpipes and 150mm diameter elsewhere unless otherwise stated on
- Allow for rodding access above ground where rainwater downpipes do not have a direct connection to an inspection chamber
 Existing sewer pipe to be re-used to be surveyed and levelled prior to
- commencement of the drainage works and refurbished if necessary
- 11. Connections to an adopted sewer only to be made following approval from the relevant adopting Authority
- 12. All drains, sewer pipes and manholes to be cleaned and tested for water tightness on completion of construction

MANHOLE COVERS & FRAMES

- Manhole covers to be Class A15 in non-trafficked areas, Class B125 in footways & verges, Class C250 in external maintenance vehicle access areas and Class D400 in highways
 Class E600 and F900 manhole covers to be used for heavy duty
- applications such as docks, airports and industrial areas
- 3. Manhole covers and frames to be bedded and surrounded in 1:3 mortar
- Precast concrete manhole units shall comply with the requirements of BS 5911-3:2020 +A1:2014 and BS EN 1917:2002. The relevant absorption tests required shall be carried out on a sample of those rings and slabs used unless a certificate of testing is supplied by the
- manufacturer 5. Cover slabs situated under carriageways shall be heavy duty and those elsewhere shall be light duty

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