

Proposed housing Development At Moor Edge New Mills Rd Birch Vale

Drainage notes – Approved Doc. H

All below ground drainage pipework to be Hepworth Supersleve pipework system, all jointed, laid and bedded in accordance with the requirements of the Hepworth Technical Handbook.

New inspection chambers up to 0.93mm deep to be Polypropylene Inspection Chambers (PPIC) with cast iron covers.

New manholes between 0.93mm and 1.8mm deep to be constructed from Class B Engineering bricks laid English Bond to one brick thick, all bedded in cement/sand/mortar founded, on 150mm thick concrete base (type 20). Benching to be formed from rough concrete topped off with min 25mm thick sand/cement/mortar.

Manhole to have a min 225mm in situ concrete top to carry cover, all to comply with CP 301, step irons to comply with BS 1247 and CP 301.

Each manhole to be fitted with a steel cover to comply with BS 497 and CP 301.

All below ground drainage to be fully roddable.

All gullies will be formed using Hepworth Supersleve clayware parts. All internal gullies will be

fitted with Hepworth sealing plates above hopper to allow for easy rodding access.

All clayware pipes which rise up to ground level must do so on a rest bend unit.

All drainage pipework and associated fittings are to be installed in accordance with the conditions laid down in the manufacturer's site works instructions and are to comply with the provisions of the following British Standard Codes of Practice:

BS.5572: 1978: 'Code of Practice for Sanitary Pipeworks'.

BS. CP. 301: 1971: 'Building Drainage'.

BS. CP. 308: 1974: 'Drainage of Roofs and Paved Areas'.

BS. CP. 2005: 1968: 'Sewerage'.

On completion of the drainage system, the main contractor will be responsible to ensure that all drains and gulleys are thoroughly clean from any debris/building materials which may cause blocking.

Form new connections onto existing Local Authority sewers. Allow for contacting the Local Highways Department to obtain permission to carry out connection.

All 100mm dia below ground drainage pipework to be Hepworth Supersleve pipework systems, all jointed, laid and bedded in accordance with the requirements of the Hepworth Technical Handbook.

All 150 dia below ground drainage pipework to be Hepworth Hepsleve pipework system, all jointed, laid and bedded in accordance with the requirements of the Hepworth Technical Handbook.

All 225 and 300mm dia below ground drainage pipework to be Hepworth Hepseal pipework system, all jointed, laid and bedded in accordance with the requirements of the Hepworth Technical Handbook.

All drainage pipework running under a building which is more than 150mm away from the underside of the concrete slab is to be surrounded in as dug material or granular fill. Any pipe which has less than 150mm clear space is to be surrounded in concrete up to the underside of the slab.

Unless specified on drainage runs, all pipes are to be laid to the following falls:

100 dia 1:40 150 dia 1:60
225 dia 1:90 All
drainage/manhole inverts
relate to a finished ground
floor level of 150.

All drainage will be laid in accordance with CP 301.

All gullies will be formed using Hepworth Supersleve Clayware parts. All internal gullies will be fitted with Hepworth sealing plates above hopper to allow for easy rodding access.

All clayware pipes which rise up to ground level must do so on a rest bend unit.

Back drop manholes are to be constructed in accordance with CP 301. All pipes are to drop outside the manhole and to be cased in minimum 150mm concrete surround.

All guttering to be deep flow large capacity system with all necessary clips and support brackets connected to square section fall pipes, complete with all necessary offsets, shoes, fixing clips e.t.c. Downpipes 80mm, Gutter 125mm, achieving 97mm per hour.

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