

Depth from cover level to soffit of pipe up to 3 m
Rigid material construction for use in areas subject to vehicle loading

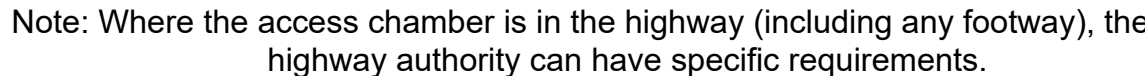
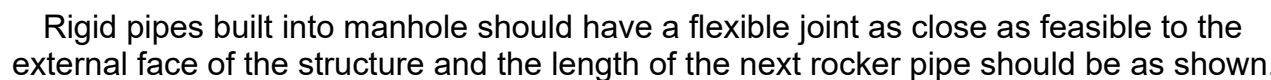


Figure B 13
Typical arrangement of pipe junctions within manholes



All pipes entering the bottom of the manhole to have soffits level



DRAINAGE NOTES:

- Do not scale.
- This drawing is to be read in conjunction with and checked against all other drawings, Engineering details, Specification and any structural, Geotechnical or other specialist document produced.
- Site layout shown for context only, refer to other project drawings for details.
- All adoptable drainage works to be constructed as detailed in design and construction guidance or as stipulated in the water authorities addendum.
- All public sewers are to be to the subject of a section 104 agreement of the water industry act 1991.
- Invert levels of existing manholes and sewers are to be checked prior to any drainage construction commences and results reported to engineers.
- The contractor is responsible for maintaining continuity of flow for all existing sewers within the site boundary and limit of construction, the duration of the works.
- All drainage ironworks to comply with BS en124, and be stamped with b1 kitemark, covers to suit loading as below:
- carriageways and roads - d400
 - driveways and verges - c150
 - footways and pedestrian areas - b125
 - gardens/landscaping - a15
- All sewer pipes, up to, and including 225mm are to be vitrified clay to BS EN295. All sewer pipes 300mm diameter and above are to be polypropylene to BS EN1135. Where agreed with adopting authority sewer pipes up to and including 600mm diameter can be PVC-U to BS EN1404.
- All bedding shall be installed and tested strictly in accordance with the manufacturers' printed instructions, bs 752, bs en 1560, and water authority requirements and the building regulations.
- All trenches shall be class s unless noted otherwise.
- All bedding under existing and proposed public highways are to be bedfacilitated with thoroughly compacted type 1 granular sub-base material.
- Drainage laid beneath roads and areas of vehicular access (car parking etc) with less than 1200mm of cover shall be encased in concrete and surrounded with associated movement joints.
- Drainage laid beneath paths, footways and pedestrian areas with less than 900mm of cover shall be similarly treated.
- Chambers with outgoing pipes greater than 600mm diameter shall be fitted with guard bars, safety chains or other approved fall prevention devices.
- The use of precast concrete products made with sulphate resisting cement is mandatory, unless a laboratory report proves such precautions are not necessary.
- All sewers to be abandoned must be surveyed to identify any later obstructions, they will still live with any find to be reported to the engineer.
- All foul and storm water drains which are not to be adopted as public sewers shall be in accordance with document h of the building regulations, together with nhb standards chapter 5.3 and bsb301.
- Where pipes pass through footings, retaining or screen walls,lintels to be provided over drains.
- Where invert levels are less than 0.6 deep inspection chambers (min dia 600mm) or access fittings (225 x 100mm) to be used, elsewhere proprietary plastic, brick or pcc to be used and sized in accordance with table 11 of document h of the building regulations (<0.6m to invert min dn300, >0.6m to invert min dn400).
- Where required 1m deep root barrier of an approved type to be installed vertically along the back edging kerk of all areas of footway/ demarcation to protect from both proposed and future plantations.
- Construction details subject to refinement through detailed design/technical approval process

03.25	Storage Tank detail added	TC	DA
06.24	First Issue	LC	DA
Date	Description	Drawn	Checked



BELLWAY HOMES

LAND NORTH OF
HARBORFIELD ROAD,
SHINFIELD

FULL APPLICATION DRAINAGE CONSTRUCTION DETAILS SHEET 2

le SHN @ A1	Date JUNE 2024	Drawn LC	Checked DS
Drawing No HD008-FA-552			Revision B