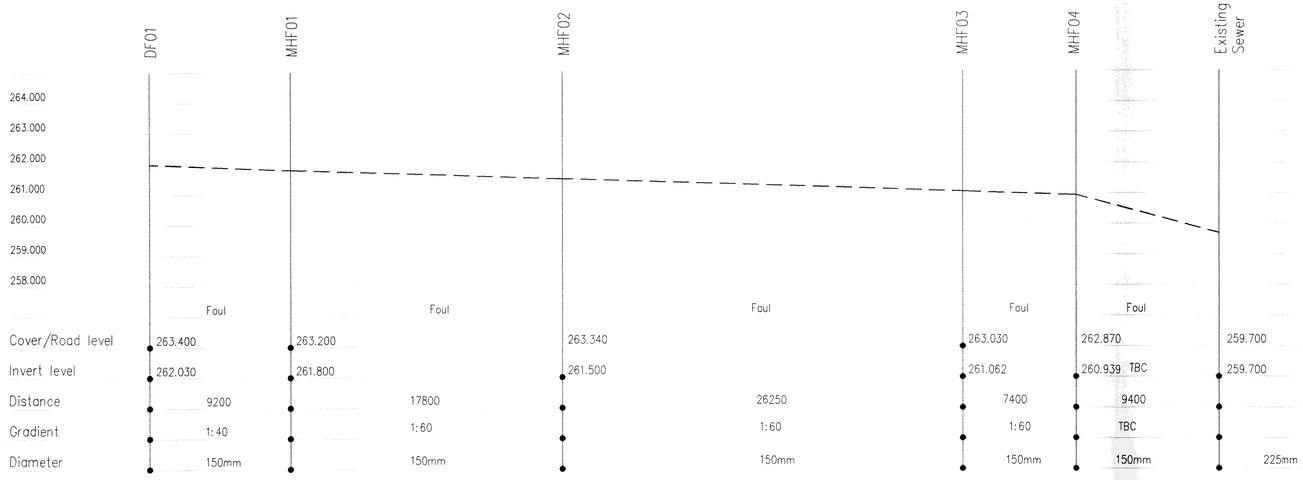
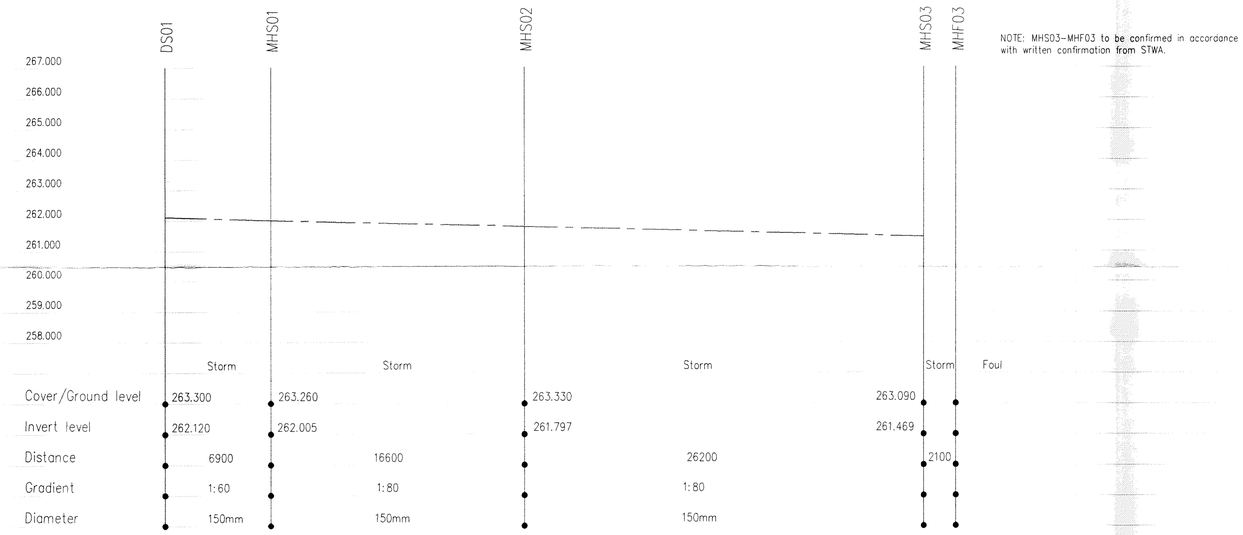


Foul Sewer Scale 1:100 vert. 1:200 horiz.



Storm Sewer Scale 1:100 vert. 1:200 horiz.

NOTE: MHS03–MHF03 to be confirmed in accordance with written confirmation from STWA.

THERMOPLASTIC PIPES AND FITTINGS:
Thermoplastic pipes, joints and fittings for gravity sewers shall comply with the relevant provisions of BS EN 1401–1, BS EN 1852 and BS EN 12666–1. and installed in accordance with BS 5955–6.

VITRIFIED CLAY PIPES & FITTINGS:
Vitrified clay pipes and fittings for sewers shall have flexible mechanical joints. Pipes for foul sewers and surface water sewers shall comply with the relevant requirements of BS EN 295–1 and BS 65 (Surface water pipes only)

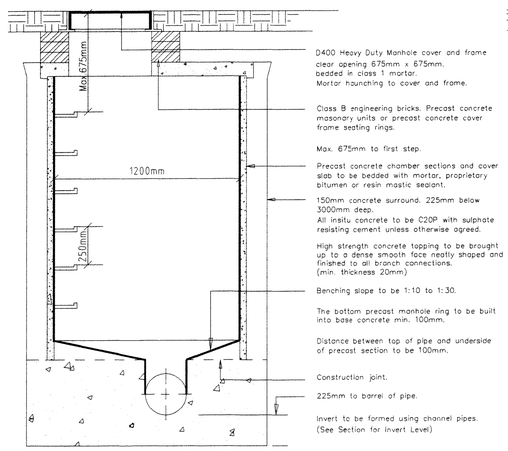
CONCRETE PIPES AND FITTINGS:
Unreinforced and reinforced concrete pipes and fittings shall comply with the relevant provisions of BS EN 1916 and BS 5911–1.

ROAD GULLIES:
900x450mm precast concrete gully pots to BS 5911:Part 230 with 150mm thick ST4 mix concrete bed and surround. Heavy duty ductile gully grating and frame to BS EN124 with D400 loading. Grates to have kitemark, non rocking design and black coated finish.
Bedded with mortar haunching on min. 2 course Class B engineering brickwork laid English bond.

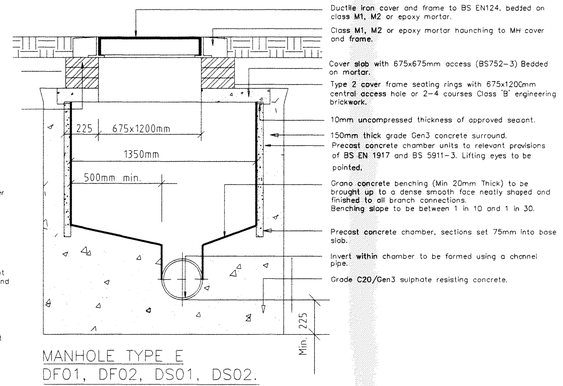
EXCAVATION:
Excavation within the adopted highway shall be carried out in accordance with SCC Highway Reinstatement Specification.
Where services may be encountered all excavations are to be carried out in accordance with 'HSG 47 Avoiding Danger from Underground Services'
Sides of excavations are to be adequately supported at all times. Soft spots are to be removed from the base of trenches and filled to create stable formation.

BACKFILLING:
Backfilling is to be carried out in accordance with SC Highway Reinstatement Specification..
Filling materials are to comprise of maximum 225mm unconsolidated thickness layers which are then to be fully compacted to form stable backfill, where excavations have been supported , supports are to be withdrawn progressively as backfilling proceeds in such a manner as to minimise the danger of collapse.

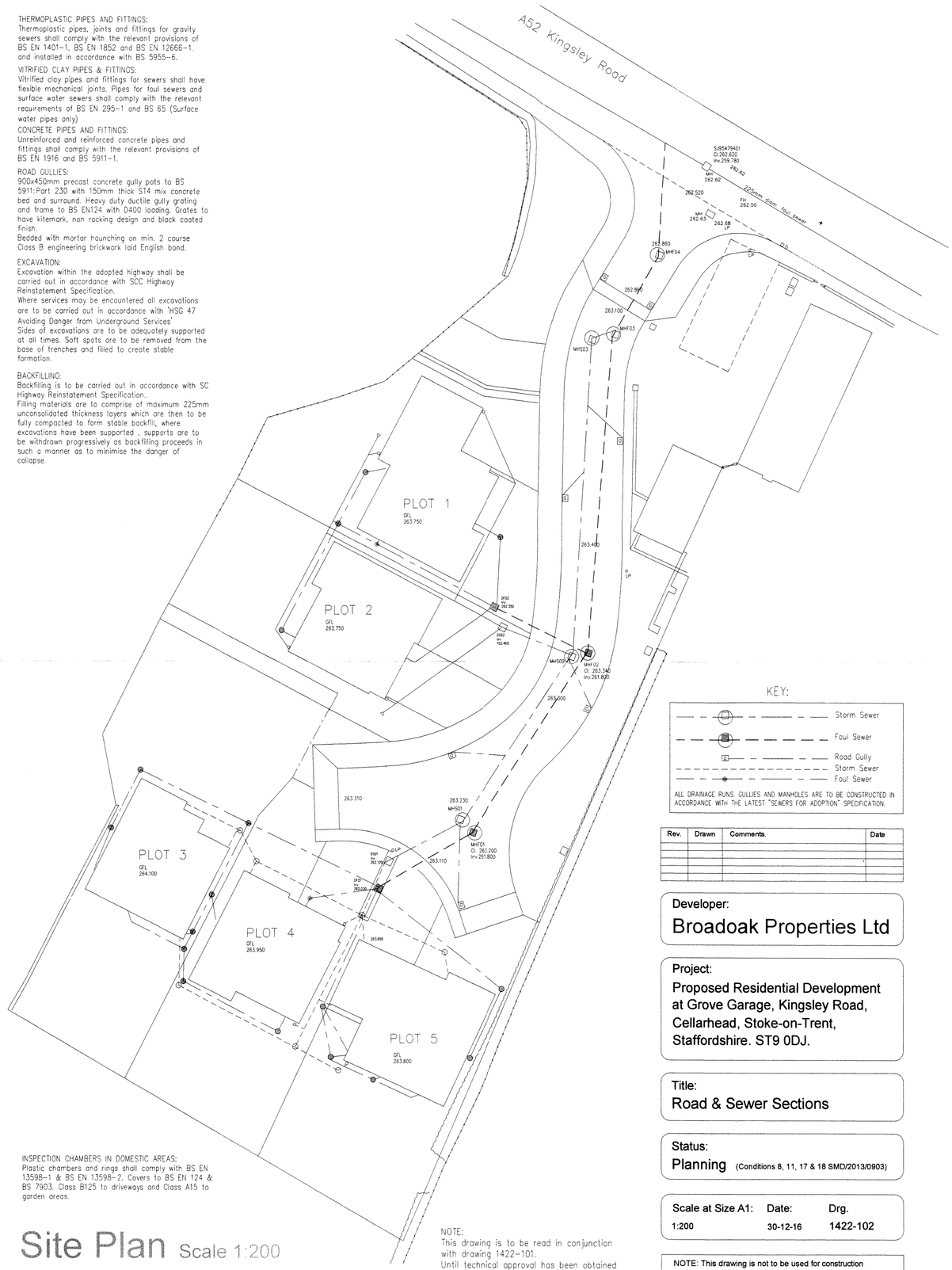
MANHOLE CHAMBERS COVERS AND FRAMES:
Manhole and Inspection chamber covers and frames shall comply with the relavant provisions of BS EN 124, BS 7903 and Highways Agency Guidance Document HA 104/09. Minimum Class D 400 covers to be used, minimum frame depths to be 100mm. Class B 125 only in pedestrian areas.



MANHOLE TYPE B
MHF01, MHF02, MHF03, MHS01,



MANHOLE TYPE E
DF01, DF02, DS01, DS02.



KEY:

- Storm Sewer
- Foul Sewer
- Road Gully
- Storm Sewer
- Foul Sewer

ALL DRAINAGE RUNS, GULLIES AND MANHOLES ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST "SEWERS FOR ADOPTION" SPECIFICATION.

INSPECTION CHAMBERS IN DOMESTIC AREAS:
Plastic chambers and rings shall comply with BS EN 13598–1 & BS EN 13598–2. Covers to BS EN 124 & BS 7903. Class B125 to driveways and Class A15 to garden areas.

Site Plan Scale 1:200

NOTE:
This drawing is to be read in conjunction with drawing 1422–101.
Until technical approval has been obtained from the relavant authorities, it should be understood that all drawings issued are Preliminary and not for Construction.
Should the contractor commence site work prior to approval being given, it is entirely at the developers risk.

Rev.	Drawn	Comments.	Date

Developer:
Broadoak Properties Ltd

Project:
Proposed Residential Development at Grove Garage, Kingsley Road, Cellarhead, Stoke-on-Trent, Staffordshire. ST9 0DJ.

Title:
Road & Sewer Sections

Status:
Planning (Conditions 8, 11, 17 & 18 SMD/2013/0903)

Scale at Size A1:	Date:	Drg.
1:200	30-12-16	1422-102

NOTE: This drawing is not to be used for construction unless Status marked 'Issued for Construction'

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