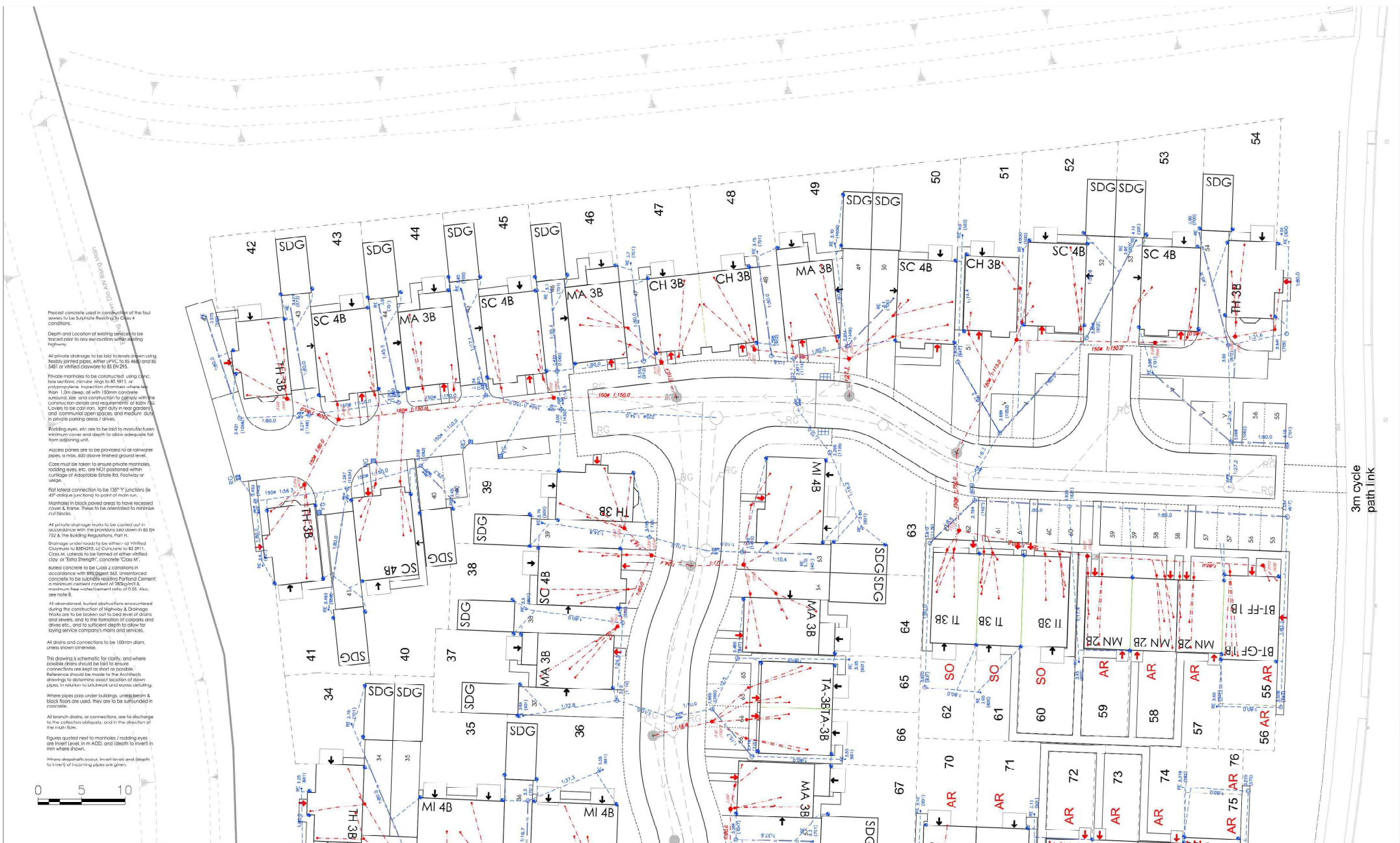




Precast concrete used in construction of the four series to be suitable for use in any conditions.

Depth and location of existing services to be traced prior to any excavation within existing Highway.

All private drainage to be laid to level when using flexible jointed pipes, either uPVC to BS EN 12201 or 481 or vitrified clayware to BS EN 295.

Private manholes to be constructed using concrete, box sections, circular, deep to BS EN 12201, or polypropylene inspection chambers where less than 1.2m deep, all with 150mm concrete surround, size and construction to comply with the construction details and requirements of BS EN 12201. Covers to be cast iron, light duty in rear gardens and communal open spaces, and medium duty in private parking areas / drives.

Building eaves, etc. are to be laid to manufacturers minimum cover and depth to allow adequate fall from adjoining unit.

Access points are to be provided to all carwater pipes, or max. 400 above finished ground level.

Care must be taken to ensure private manholes, rodding eyes, etc. are NOT positioned within curbside of adoptable drive, footway or verge.

For lateral connection to be 135° Y junctions (ie 45° oblique junction) to point of exit from.

Manholes in black paved areas to have recessed cover & frame. These to be orientated to minimise cut/fall.

All private drainage works to be carried out in accordance with the provisions set down in BS EN 751 & the Building Regulations, Part H.

Drainage under roads to be either: a) Vitrified Clayware to BS EN 12201, or b) uPVC to BS EN 12201. Class M. Lateral to be formed of either vitrified clay or 150mm uPVC, concrete 'Class M' sized concrete to be laid in conjunction in accordance with BS EN 12201. Unventilated concrete to be suitable for use in parking carwater in a minimum upward gradient of 200/1000 & maintain a free water level of 0.35. Also, see note 8.

All abandoned, buried obstructions encountered during the construction of Highway & Drainage Works are to be broken out to bed level of drains and sewers, and to the formation of curbs and drives etc., and to sufficient depth to allow for laying service company mains and services.

All drains and connections to be 100mm diam. unless shown otherwise.

This drawing is schematic for clarity, and where possible drains should be laid to ensure connections are kept as short as possible. Reference should be made to the Architect's drawings to determine location of drains and services, in relation to landmarks and survey details.

Where pipes pass under buildings, under beams & back from area used, they are to be surfaced in concrete.

All branch drains, or connections, are to discharge to the collection ability, and in the direction of the main flow.

Figures quoted next to manholes / rodding eyes are level level in m AOD, and depth to invert in mm where shown.

Where depths are shown, invert levels and depth to invert of existing pipes are given.

Legend	
Full connection. Full drainage inspection chamber. Private four uPVC chamber. Non man entry type when greater than 1200 deep. Private four uPVC chamber. With back drop. Private four concrete manhole chamber. For connections greater than 3000 deep. Storm rodding eye. Road gully (150mm connection). Yard gully (100mm connection). Performed shaft drainage channel as mean Acc drain in range or similar approved with 100 dia outlet connection to drainage system. (Shower drain). Inter drain, within porous paving. Catchpit Swale Outfall.	Private 3W uPVC chamber, non man entry type when greater than 1200 deep. Private SW PCC chamber. With back drop. Inter drain, within porous paving. Catchpit Swale Outfall.

STATUS: Preliminary SCALE: 1:200 DATE: February 2021 DRAWN: IDL		TITLE: Private Drainage Layout Sheet 4 PROJECT: Wardenree Lane, Pinchbeck DRG. NO: 1044-07-04 Rev A		 iDL LTD INFRASTRUCTURE DESIGN LIMITED 33 The Point Market Harborough Leicestershire LE16 7QU Tel: 01858 411570 Fax: 01858 411571
REV DESCRIPTION DATE A Planning Layout updated. 24/6/21		REV DESCRIPTION DATE		