



Note: Water Butts to be provided for rear garden rain water pipes

General notes

This drawing is to be read in conjunction with all other relevant architect's, engineer's and specialist's drawings together with the appropriate specification.

It is the contractor's responsibility to check all dimensions on site.

Dimensions must not be scaled from this drawing. Any discrepancies to be brought to the immediate attention of the architect in writing.

All dimensions are in millimetres, unless noted otherwise.

All levels are in metres, unless noted otherwise.

The works shall be in accordance with the national building specification.

The location line & level of all known existing drainage pipework indicated on the drawing are approximate and for guidance purposes only.

It is the contractors responsibility to determine their exact line and level, by way of hand excavated trial pits, prior to the commencement of any excavation works on site. The contractor shall take all necessary precautions and maintain the structural integrity of all above and below ground service installations.

The contractor shall implement and maintain throughout the duration of the contract a full traffic management system to ensure safe passage of vehicles/pedestrians in the vicinity of the works. all traffic signs, signals, barriers etc. shall be in accordance with chapter 8 of the traffic signs manual.

The contractor shall make adequate provision for dealing with and depositing of ground/surface water encountered during excavations.

All soft/hard paved areas affected by the works shall be fully reinstated following the installation of all drainage works. All surface markings affected by the works shall be fully reinstated.

All surplus excavated material shall be disposed off site.

Upon completion of the works the contractor shall provide as built setting out co-ordinate and levels information.

Pipework with less than 750mm of cover to be concrete encased (bedding class z).

Pipework with more than 750mm of cover to have granular bad and surround (bedding class s).

Polypropylene inspection chambers of 500Ø > 1.2m deep to be fitted with a reduced access fitting.

All soil vent pipes to have low level access plates.

For 3 to 4 story buildings - foul rest bends to be a minimum of -450mm deep.

For 5 story buildings and above - foul rest bends to be a minimum of -750mm deep.

For 6 story buildings and above - ground floor appliances to discharge to their own stacks.

The Environment Agency will require the use of the highest specification pipework and designs for schemes involving new sewer systems in SPZ1 to minimise leakage.

United Utilities recommend this includes secondary containment of the pipework, such as including clay lining sewer trenches.

Legend

- Proposed Surface Water Sewer
- Proposed Surface Water Manhole
- Proposed Foul Water Sewer
- Proposed Foul Water Manhole
- Proposed Road Gully c/w 150mmØ tail
- Proposed Foul Water Sewer

Preliminary

P2	Updated in line with current FFL's	04/07/25
P1	Updated to suit comments from United Utilities	29/07/24
P	Preliminary issue for discussion and budget pricing. NOT FOR CONSTRUCTION.	23/06/24



Sanan Consulting Ltd.
Chartered Structural Engineer
Laburnum House, 62-64 Chestnut Grove, Liverpool L15 8HS.
tel: +44 151 280 1129; e-mail: office@sananconsulting.co.uk

Client:
BBE Development Ltd

Project:
Residential development at
former Merseyside Dogs Home,
Greensbridge Road,
Halewood, Liverpool.

Proposed Drainage Layout

drawn by	date	scale	drawing no.	rev.
JH	Jun'24	1:500	24565/100	P2