

BLOCK LAYOUT

SCALE: 1:1250
GRID REF: E-384747 N-405009
POSTCODE: M24 4RB

PROPOSED NEW 1350Dia MANHOLE SITED OVER EXISTING 225Ø COMBINED PUBLIC SEWER VIA UNITED UTILITIES PART 1 & 2 SEWER CONNECTION APPLICATIONS

PROPOSED NEW 900Dia MANHOLE TO RECEIVE FOUL & SURFACE WATER FLOWS. SURFACE WATER FLOW TO BE RESTRICTED BY ORIFICE PLATE (SEE 100-03 FOR DETAILS) TO 1L/s WITH GREENFIELD RUN-OFF AT 0.2L/s

PROPOSED 7mL x 3.5mW x 0.5mD NO-FINES STONE TERRAM WRAPPED STORAGE BLANKET INSTALLED TO MANUFACTURERS SPECIFICATIONS. STORAGE REQUIREMENTS BASED ON A 30% VOID RATIO IS TO CATER FOR THE 1 IN 100 YEAR +45% STORM EVENT WITH 1L/s ORIFICE DISCHARGE RESTRICTION ON MH REF: C1. SEE CALCULATIONS.

SITE LAYOUT

SCALE: 1:100
GRID REF: E-384747 N-405009
POSTCODE: M24 4RB

- Dimensions are not to be measured from this drawing.
- All levels shown are in metres unless otherwise shown.
- This drawing is to be read in conjunction with all relevant Infrastructure Design drawings.
- The position and levels of all existing Public Sewers & Private drains are to be confirmed on site prior to the commencement of the works and any discrepancies reported immediately to the engineer.
- Any necessary private drainage work is to be constructed in accordance with the latest edition of the Building Regulations Part H (Drainage & Waste Disposal) and to BS EN 752 (Building Drainage).
- Any required drainage connections to existing public sewers are to be made to the satisfaction of the Sewerage Undertaker and the Local Authority.
- Existing drains being abandoned are to be dealt with in the following manner:
 - Within 1.0m of proposed ground levels, drains are to be grubbed out.
 - Deeper than 1.0m of proposed ground levels drains are to be grouted with a 1:10 cement:sand mix.

- Any existing gully connections being abandoned are to be sealed with a concrete plug not less than 300mm thick at a level of 1.0m below ground.
- Concrete protection of pipework is to be provided as follows:
 - All pipework within pedestrian / soft areas with a cover less than 600mm.
 - All pipework beneath areas subject to vehicular overrun with a cover less than 1.2m.
- All pipework within manholes are to be laid soffit to soffit.
- Any co-ordinate information regarding manholes is to the centre of the manhole.
- Cover levels of the manholes are provisional and subject to adjustment to suit the finished ground levels.
- The use of short radius bends for changes in direction is not permitted, only long radius bends or 2 No. are to be used.
- Connections to carrier drains are to be "Y" junctions.
- Manhole covers and frames are to be in accordance with BS EN 124 and the following criteria:-

Vehicular areas : Class D400 double triangular 150mm (min) deep ductile iron cover & frame with three-point cover sealing.
Pedestrian areas only : Class B125 double triangular 100mm (min) deep ductile iron cover & frame with three-point cover sealing.

- Gully gratings and channel covers are to be in accordance with BS EN 124 as follows:
 - Areas subject to vehicular overrun: Class D400 minimum.
 - Class F900 within service yard.
 - Areas not subject to vehicular overrun: Class C250

- Gully gratings are to be double triangular ductile iron with a non-rock design and a 100mm deep frame.
- All non-adaptable foul and surface water pipes to be 100 diameter unless noted otherwise.
- Proposed 225mm diameter inspection chambers to be laid at a maximum depth of 600mm below GL.
- Proposed 450mm diameter inspection chambers to be laid at a maximum depth of 300mm below GL.
- Installation of all pipework, manholes, gullies & channels etc are to be laid to manufacturers specification.

KEY:

Site Boundary - 0.029Ha	FFL 71.250
Proposed Finished Floor Level	70.800
Proposed Finished Level	UUMH
Existing Public UU Combined Water Sewer	UUMH
Existing Public UU Surface Water Sewer	
Proposed Private Foul water Sewer, Manhole, pipe size, CL/IL	
Proposed Private Surface water Sewer, Manhole, pipe size, CL/IL	
Proposed 100mm ACO channel	
Proposed Stone Storage Blanket	

A	ISSUED FOR UNITED UTILITIES & LEAD LOCAL FLOOD AUTHORITY APPROVALS.	07/08/25	DS
REV	AMENDMENTS	DATE	DRAWN

CLIENT:

project title
DEVELOPMENT AT: 1 LISTER ROAD
MIDDLETON
LANCASHIRE
M24 4RB

drawing title	scales
PROPOSED SITE LAYOUT	As Shown
date	7 August 2025
ref	LR/M/L/100-01
rev	A

