

	G – New gully
	RWP – New rain water pipe
	S – New sump
	SWIC – New surface water inspection chamber
	SWMH – New surface water manhole
	FWMH – New foul water manhole
	FWIC – New foul water inspection chamber
	Ex.FWMH – Existing foul water manhole
	Ex.CWMH – Existing combined water manhole
	Ex.SWMH – Existing surface water manhole
	New surface water drain
	Existing surface water drain
	New drainage channel
	New foul water drain
	Existing foul water drain
	New combined water drain
	Existing combined water drain
	Existing site levels
	Proposed finish levels
	Proposed fall direction
	Site boundary, tbc by Architects

[illegible]

Levels indicative only, subject to SI and earthworks design.

Attenuation design for 1 in 100 storm event plus 40% climate change allowance based on 2.0l/s @ 0.6m, tba with UU.

- ## Notes.
- 1 All dimensions are in millimetres unless noted otherwise.
 - 2 All levels are in metres unless noted otherwise.
 - 3 This drawing is to be read in conjunction with all relevant Architects and Service Engineers drawings.
 - 4 All drainage pipes to be Polypropylene adoptable drainage system, or similar approved upto 375mm and concrete from 450mmØ. Bedding in accordance with manufacturers details.
 - 5 All road gullies to have Grade D400 gratings to B.S.E.N. 124 with 450Ø x900 Deep Precast concrete or polyethylene pots by Polypropylene or similar approved. Trapped gullies to be used when connecting to a combined sewer.
 - 6 Manholes to be precast concrete rings to BS 5911 min. 1000 dia u.n.o. to hard/trafficked areas.
 - 7 Invert levels quoted are exit inverts.
 - 8 Pipes with cover of less than 900mm under road/paved and 600mm under landscaped areas to be encased in concrete bedding class S.
 - 9 SW drains to achieve a minimum pipe velocity of 1.0 m/s.
 - 0 Proprietary items ie SW pipes, drainage channels, inspection chambers etc to be installed in accordance with the manufacturers recommendations.
 - 1 All drainage is to comply with the requirements of BS EN 752 & Building Regulation part H.

Drawing indicative and for strategy purposes only. Final design/details to be provided for construction.

P1	JS	09/22	Issued for Information	
Rev		Date		Description
Drawing Status				
INFORMATION				
Contract				
1515 ASHTON OLD ROAD MANCHESTER				
Drawing Title				
BELOW GROUND DRAINAGE STRATEGY LAYOUT (NO TOPO)				
 Suite 4 14-32 Hewitt Street MANCHESTER M15 4GB Civil & Structural Engineers				
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Scales		Date		
1:50 @ A0		09/2022		
Drawn		Checked		
JS		NS		
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