

This drawing is to be read in conjunction with all other relevant documentation.
Do not Scale
All setting out by contractor. Report all discrepancies to bdi Structural Solutions.
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Client required to comply with requirements of Party Wall Act as required by nature of work.

NOTES

Setting Out	
All levels, setting out and dimensions are to be confirmed on site.	
Drainage Notation	
	Denotes Existing Surface Water Carrier Drain
	Denotes Existing Foul Water Carrier Drain
	Denotes Combined Water Carrier Drain
	Denotes Surface Water Carrier Drain
	Denotes Foul Water Carrier Drain
	Denotes Proposed Rainwater Gully
	Proposed falls in external ground levels
	Denotes Proposed Soil and Vent Pipe
	Denotes Proposed Inspection Chamber/Manhole
	Denotes root protection areas (RPA)

DRAINAGE

- ALL RWG'S TO BE ACCESS GULLIES WITH INTEGRAL BACK INLETS FOR RODDING.
- DRAINAGE TO BE LAID TO FALLS TO SUIT INVERT LEVELS SHOWN.
- ALL DRAINAGE TO COMPLY WITH BS 8301:1985 TOGETHER WITH PARTS H1, 2 & 3 OF THE BUILDING REGULATIONS.
- MANHOLES, INSPECTION CHAMBERS AND ACCESS CHAMBERS OR RODDING EYES SHALL BE PROVIDED AT EVERY CHANGE OF DIRECTION, DRAIN & OR GRADIENT CHANGE AND ALSO AT OR WITHIN 12.5M OF A JUNCTION.
- EXTERNAL DRAINAGE SHALL BE 100MM DIAMETER, UNLESS NOTED OTHERWISE, HEPWORTH SUPERLEAVE VITREOUS CLAY PIPEWORK TO BS65:1981 LAID AND BEDDED TO MANUFACTURER'S INSTRUCTIONS TO SIZES DEPENDANT UPON LOADING CONDITIONS AND GRADIENTS WITHIN THEIR RECOMMENDATIONS.
- JOINTING SHALL BE EITHER U.P.V.C. PUSHFIT COUPLINGS OR BY SEALING RUBBER 'O' RINGS IN POLYESTER MOULDINGS.
- ALL DRAINS WHICH ARE LOCATED WITHIN 2000MM OF EXTERNAL WALLS OR PASS UNDER BUILDINGS ARE TO BE ENCASED IN MIN 150MM CONCRETE OF FULL WIDTH OF TRENCH.
- MANHOLE CONSTRUCTION TO BE 225MM CLASS 'B' ENGINEERING BRICKWORK IN 1:3 CEMENT/MORTAR WITH 150MM THICK CONCRETE BASE UP TO BELOW GROUND LEVEL. CAST IRON STEPS TO BS1247:1975 SHALL BE PROVIDED WHERE DEPTH OF CHAMBER EXCEEDS 1000MM. BENCHING OF CONCRETE TO BE FORMED AROUND DRAINAGE CHANNELS TO A SMOOTH FINISH AND FALL.
- ALL EXTERNAL MH COVERS SHALL BE MEDIUM DUTY GALV. STEEL TO BS447 UNLESS LOCATED WITHIN CARRIAGEWAYS OR CAR PARKS WHERE HEAVY DUTY CAST IRON ARE TO BE USED.
- MANHOLE COVER TO BE SEATED IN REBATE STEEL FRAMES AND SEALED WITH GREASE ON 100MM THK CONCRETE FRAME BASE WITH 600X60MM MIN OPENING.
- ANY INTERNAL CHAMBERS SHALL BE FITTED WITH A DOUBLE SEAL BOLT DOWN COVER WITH AN 'INLAY' RECESS FOR FINISHES AND SET IN GREASED FRAME. PROPRIETARY U.P.V.C. INSPECTION CHAMBERS TO HAVE 150MM MIN SULPHATE RESISTING CONC BASE.
- SURVEYS
- 12.1. CLIENT TO INSTRUCT CCTV DRAINAGE SURVEY TO ESTABLISH CONDITION, FALL AND INVERT LEVELS OF EXISTING DRAINAGE TO BE RETAINED
- PERMISSIONS REQUIRED: CLIENT TO OBTAIN THE FOLLOWING PERMISSIONS:
- 13.1. SECTION 106 FROM UNITED UTILITIES FOR CONNECTION PROPOSAL
- 13.2. PERMISSION FROM HIGHWAYS OWNER PRIOR TO INSTALLATION OF DRAINAGE THROUGH HIGHWAYS

Strategy Approval

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Rev	Date	First Issue for Planning Condition Discharge	Drawn	Appr'd	
A0	15.07.22		SG	SG	

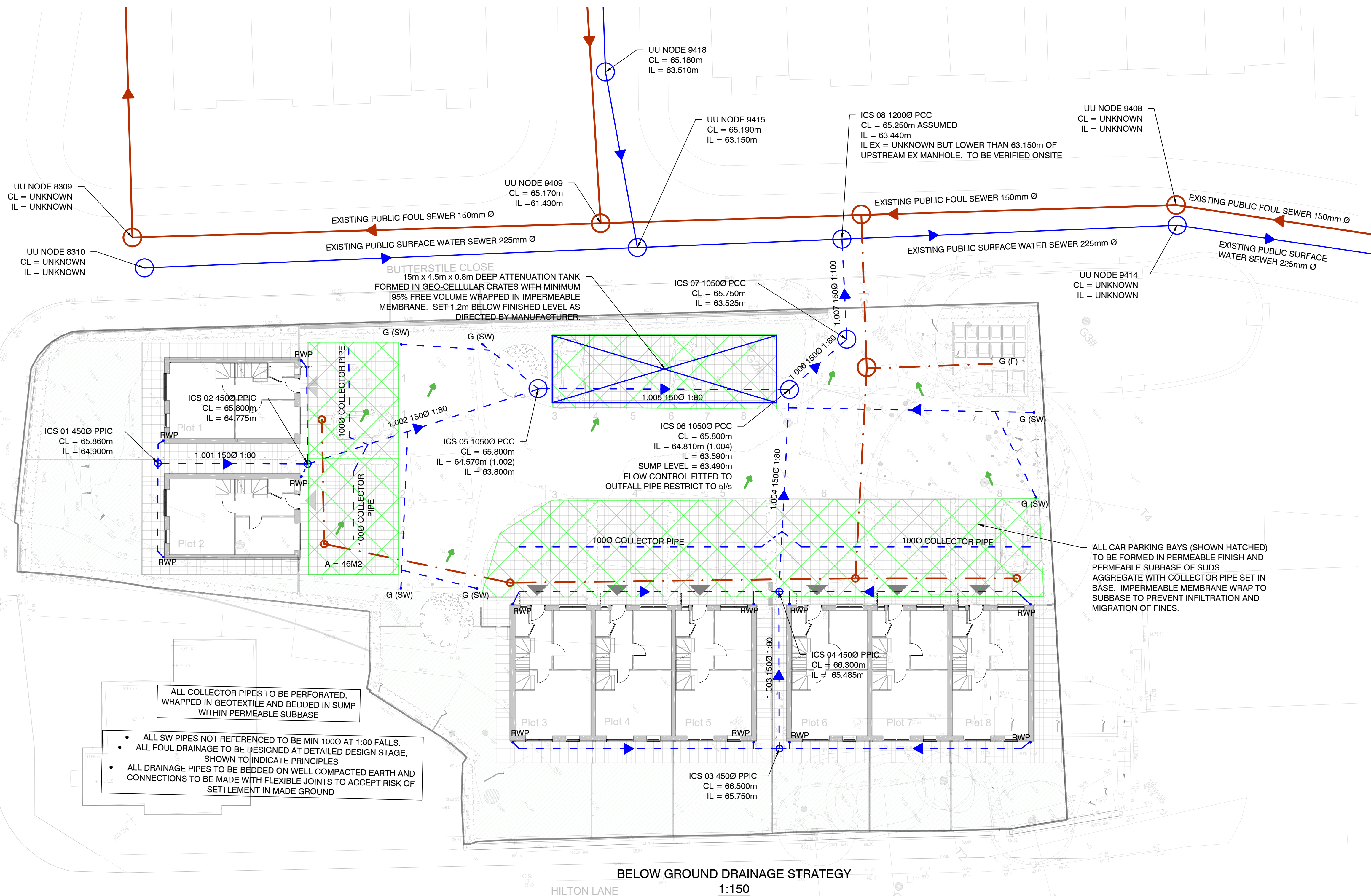
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Client: Leo Prestwich Limited

Project: Hilton Lane Housing Development
Hilton Lane / Butterstile Close
Prestwich

Drawing Title: Below Ground Drainage Strategy

Scale		Drg No.	
As shown at A1		20229221	
Drawn	Chk'd by	C1 01	
SG	SG		
Date	Date Chk'd		
15.07.2022	15.07.2022		
		Rev	A0



BELOW GROUND DRAINAGE STRATEGY
1:150