

NOTES:

- FOR ALL ABOVE GROUND DRAINAGE AND ASSOCIATED PUMPS REFER TO BUILDING SERVICES AND ARCHITECT'S DRAWINGS
- ALL BELOW GROUND DRAINAGE WORKS TO BE IN ACCORDANCE WITH RELEVANT BUILDING REGULATIONS AND SEWERS FOR ADOPTION 7TH EDITION
- ALL FOUL AND SURFACE WATER DRAINAGE TO BE 150mm DIA UNLESS NOTED OTHERWISE
- SEWERS TO BE LAID IN CLASS S BEDDING (150mm GRANULAR BED AND SURROUND), WHERE DEPTH OF COVER TO TOP OF THE SEWER IS LESS THAN: 1.2m IN HIGHWAYS OR VERGES, OR LESS THAN 0.9m IN PEDESTRIAN AREAS, THEN A 150mm CONCRETE SLAB SHOULD BE PROVIDED ABOVE THE GRANULAR BED AND SURROUND
- ROCKER PIPE DETAIL TO BE PROVIDED AT ALL ENTRY AND EXIT POINTS FOR DRAINS CAST INTO CONCRETE FOUNDATIONS
- ALL SEWERS TO BE BSI KITEMARK (CERTIFIED TO WIS 4-35-01)
- SEWER PIPES TO BE LAID IN MAXIMUM 3m LENGTHS UNLESS THERE IS A SPECIFIC OPERATIONAL NEED TO LAY LONGER
- BEDDING AND BACKFILL MATERIAL TO CONFORM TO THE REQUIREMENTS OF THE WATER INDUSTRY SPECIFICATION 4-08092 (TABLE A2)
- IF PLASTIC PIPES ARE TO BE USED THEN THE FOLLOWING MUST APPLY:
A) BSI KITEMARK (CERTIFIED TO BS EN 13476-1 AND WIS 4-35-01)
B) PIPES LESS THAN OR EQUAL TO 500mm DIA
C) BEDDING AND BACKFILL MATERIAL TO CONFORM TO THE REQUIREMENTS OF THE WATER INDUSTRY SPECIFICATION 4-08092 (TABLE A2)
- SULPHATE RESISTANT CEMENT (C20-DC2) AND PRECAST CONCRETE PRODUCTS MUST BE USED OR A LABORATORY REPORT PROVIDED PROVIDING THAT SUCH PRECAUTIONS ARE NOT NECESSARY
- UNLESS NOTIFIED OTHERWISE CHANNEL DRAINS TO BE ACO M1500 0.0 OR SIMILAR APPROVED
- THE CONTRACTOR IS TO UNDERTAKE A FULL CCTV SURVEY AT COMPLETION OF THE PROJECT TO DEMONSTRATE THAT THE DRAINAGE IS CLEAN. ANY DEFECTS ARE TO BE CORRECTED BY THE CONTRACTOR PRIOR TO HANDOVER OF THE SYSTEM TO THE CLIENT

DRAWING LEGEND

- SITE BOUNDARY
- SURFACE WATER DRAINAGE
- FOUL WATER DRAINAGE
- COMBINED WATER DRAINAGE
- EXISTING UNITED UTILITIES COMBINED SEWER
- G GULLY
- LINEAR DRAINAGE CHANNEL
- IN LINE NON-RETURN VALVE
- RAINWATER PIPE/ SOIL VENT PIPE

ABOVE GROUND DRAINAGE ACCESS

ALL ABOVE GROUND DRAINAGE TO BE ACCESSIBLE AND RODDABLE PRIOR TO CONNECTION TO BELOW GROUND SYSTEM

DRAINAGE CONCRETE ENCASEMENT

ALL DRAINS BELOW PROPOSED FOUNDATIONS TO BE LAID IN CLASS Z STRUCTURAL BEDDING. REFER TO DRAINAGE DETAILS AND DRAINAGE SPECIFICATION

EXISTING PUBLIC SEWER CONDITION

REFERENCE SHOULD BE MADE TO CCTV SURVEY OF SURROUNDING SEWERS BY SURVEY SYSTEMS LTD REF 13644A. CCTV FINDINGS WERE INCOMPLETE DUE TO POOR CONDITION OF SEWER NETWORK. CLEAN OF ENTIRE SITE (INCLUDING MANHOLES) REQUIRED TO ENABLE CCTV SURVEY TO BE COMPLETED

C03	ARCHITECTURAL POP-UP CHANGE, LEVEL REVISION AT CONTRACTOR REQUEST	23.07.21	EM	PC
C02	NON-RETURN VALVE INCLUDED	04.06.21	EM	PC
C01	STAGE 5 ISSUE	20.04.21	SS	PC

Rev.	Description	Date	By:	Chkd:

Project: **BACK TURNER STREET, MANCHESTER**

Drawing Title: **BELOW GROUND DRAINAGE GROUND LEVEL PLAN**

Status: **STAGE 5**

Size:	Date:	Drawn by:	Designed by:	Checked by:
A1	APR'21	SV	EM	PC
Scale:	1:100	Project No:	1709-07	
Project:	Originator:	Volume:	Level:	Type:
				Role: Category/Number: Rev:

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