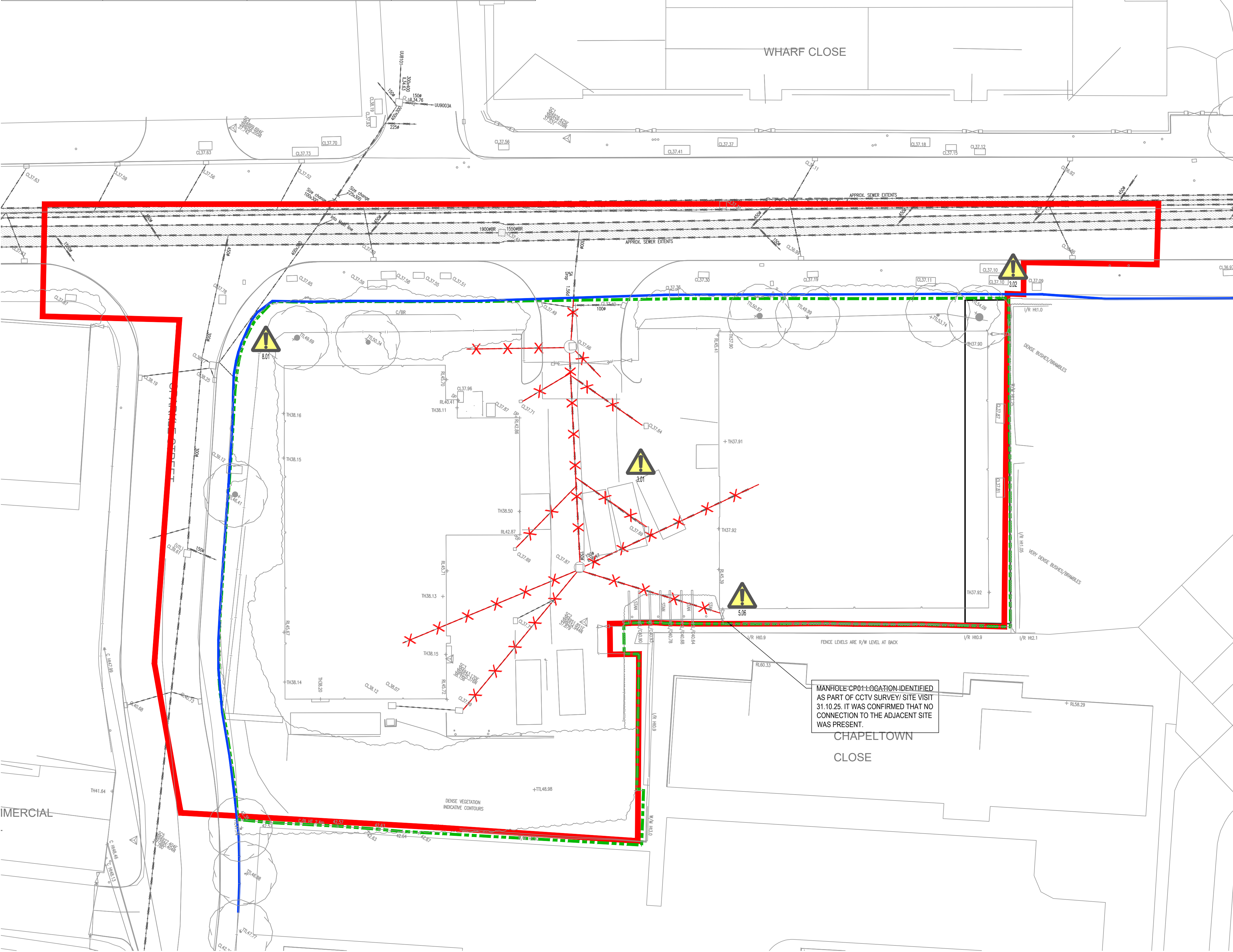


RESIDUAL HAZARD REGISTER (RELATES TO CIVIL/STRUCTURAL MATTERS ONLY) MUST BE READ IN CONJUNCTION WITH CURTINS RESIDUAL HAZARD REGISTER XXXXX-CUR-ZZ-XX-HA-X-00001. HAZARDS THAT SHOULD BE OBVIOUS TO A COMPETENT CONTRACTOR HAVE NOT BEEN INDICATED ON THIS DRAWING. SHOULD ANY ADDITIONAL HAZARDS BE IDENTIFIED, THE CONTRACTOR SHOULD NOTIFY ALL RELEVANT PROJECT TEAM MEMBERS.			
Hazard Ref.	Item (Feature, Element or Activity)	Potential Hazard Identified	Mitigation
1.00 Enabling / Highwayworks			
1.01	Installation of below ground attenuation tank	Collapse of excavations	Contractor to develop method statement for the temporary works to install the new wall and backfill
3.00 Existing Buried & Overhead Services			
3.01	Obstructions to some areas of site prevented full access to GPR survey	Services may be located in areas unsurveyed areas	Additional investigation required prior to excavation
3.02	Utilities adjacent to site	Services may be located in close proximity to excavation	Services to be marked out and avoided/ protected
5.00 Excavations and Foundations			
5.01	Presence of foundations to demolished structures	Buried obstructions	Additional investigation required prior to excavation
5.06	Failed (and propped) retaining wall adjacent to Chapeltown Close	Wall could fail/ collapse	Additional investigation required prior to excavation



DRAWING BASED ON:

SURVEY INFORMATION

- 60159-1 TOPOGRAPHICAL SURVEY BY MALCOLM HUGHES DATED MAY 2023
- TOPOGRAPHICAL SURVEY BY SEP S15724-T
- 60159-UG1 & UG2 GPR SURVEY BY MALCOLM HUGHES DATED MAY 2023
- PJ00478370 CCTV SURVEY BY LANES GROUP (FOR MALCOLM HUGHES) DATED MAY 2023
- LS6281 CCTV SURVEY BY LAYER SURVEYS DATED OCTOBER 2025

KEY:

- PLANNING APPLICATION BOUNDARY TAKEN FROM DRAWING 10413-SHP-Z1-A-G200-PL-00-001.
- SITE OWNERSHIP BOUNDARY TAKEN FROM DRAWING 10413-SHP-Z1-A-G200-PL-00-001.
- HIGHWAY BOUNDARY, BASED ON INFORMATION RECEIVED FROM MANCHESTER CC HIGHWAYS.
- EXISTING COMBINED DRAINAGE
- EXISTING FOUL DRAINAGE
- EXISTING SURFACE WATER DRAINAGE
- DRAINAGE TO BE ABANDONED

ABANDONMENT OF PIPE NOTES

DRAINS OR SEWERS LESS THAN 1.5M DEEP WHICH ARE IN OPEN GROUND SHOULD AS FAR AS PRACTICABLE BE REMOVED. WHERE IMPRACTICAL OR DEEPER THAN 1.5m, PIPES SHOULD BE SEALED AT BOTH ENDS AND AT ANY POINT OF CONNECTION/JUNCTION, AND GROUT FILLED. WHERE A PIPE CONNECTS TO A PUBLIC SEWER OR THE SEWERS TO BE ABANDONED WERE PREVIOUSLY CLASSIFIED AS A PUBLIC SEWER, THE ADVICE OF THE RELEVANT SEWERAGE UNDERTAKER SHOULD BE SOUGHT.

GROUTING PROCEDURE

REFERENCE SHOULD BE MADE TO THE BUILDING REGULATIONS PART H APPENDIX H1-B FOR PIPES TO BE GROUTED.

PIPES TO BE GROUTED SHALL BE FILLED WITH A GROUT CONSISTING OF ONE OF THE FOLLOWING:

- CLASS G3 GROUT TO CONSIST OF 1:10 CEMENT TO SAND RATIO - MIXED WITH THE MINIMUM AMOUNT OF WATER TO ENSURE FLUIDITY.
- CLASS G4 GROUT TO CONSIST OF 1:10 CEMENT TO PFA RATIO - MIXED WITH THE MINIMUM AMOUNT OF WATER TO ENSURE FLUIDITY.

THE GROUT SHALL BE INTRODUCED AT THE HIGHER END OF THE LENGTH OF SEWER BEING FILLED. GROUTING OPERATIONS SHALL PROCEED SUCH THAT NO LENGTH OF SEWER SHALL BE FILLED UNTIL ALL UPSTREAM COMMUNICATING LENGTHS HAVE BEEN COMPLETED.

THE SEALS AT THE LOWER END OF EACH RUN OF SEWER SHALL BE FITTED WITH A FLEXIBLE BREATHING PIPE, FIXED AT THE SOFFIT OF THE SEWER AND TURNED VERTICALLY UPWARDS TO A HEIGHT OF 600MM ABOVE THE SOFFIT LEVEL OF THE HIGHER END OF THE RELEVANT SEWER LENGTH.

THE HEAD OF THE EXISTING REDUNDANT SEWER SECTION SHALL BE SUITABLY SEALED AND A 150MM FLEXIBLE INJECTION PIPE CONSTRUCTED THROUGH THE SEAL AT THE SOFFIT OF THE SEWER. THIS SHALL BE TURNED VERTICALLY AND EXTENDED UPWARDS TO A MINIMUM HEIGHT OF 1M ABOVE THE SOFFIT LEVEL.

ON COMPLETION OF GROUTING OPERATIONS, THE INJECTION PIPE SHALL BE SEALED WITH A PLUG OF CONCRETE AT LEAST 150MM DEEP AND HAVING 150MM BEARING OUTSIDE THE INJECTION PIPE.

THE SHAFTS OF MANHOLES ON ABANDONED SEWERS SHALL BE BROKEN DOWN TO A LEVEL OF 1 METRE BELOW FINISHED GROUND LEVEL AND THE REMAINING VOID FILLED WITH GENO CONCRETE, UNLESS AGREED OTHERWISE.

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- GENERAL NOTES:
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
 - DESIGN BASED ON TOPOGRAPHICAL SURVEY AND CCTV SURVEY INFORMATION AVAILABLE AT THE TIME OF DESIGN. ALL EXISTING SEWERS, CONNECTIONS, PIPE SIZES AND INVERT LEVELS TO BE CONFIRMED BY CONTRACTOR PRIOR TO COMMENCEMENT OF WORKS TO ENSURE CONNECTIVITY. ANY VARIANCE FROM THE INFORMATION SHOWN SHOULD BE REPORTED TO THE ENGINEER FOR REVIEW.
 - DO NOT SCALE THIS DRAWING. ALL DETAILS AND DIMENSIONS ARE TO BE CHECKED BY THE CONTRACTOR. ANY DISCREPANCIES TO BE REPORTED TO THE ENGINEER.
 - ALL DIMENSIONS ARE IN METRES AND LEVELS IN METRES ABOVE ORDANCE DATUM UNLESS OTHERWISE NOTED.
 - FOR FULL DRAINAGE NOTES REFER TO DRAWING SPS-CUR-ZZ-ZZ-DR-C-03-1910

P01	PRELIMINARY STAGE 4 ISSUE	05/12/25	ATL	MW
Rev:	Description:	Date:	By:	Chkd:

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Status: **STAGE 4**

Project: **SPARKLE STREET, MANCHESTER**

Orig Title: **DRAINAGE TO BE ABANDONED**

Drawn By	Designed By	Checked By
ATL	ATL	MW
Project No.	Date	Scales @ A1
0824142	05/15/25	1:200
Project No • Originator • Function • Spatial • Form • Discipline • Number		
Revision		
SPS - CUR - ZZ - L00- DR- C- 83-1902		
P01		

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