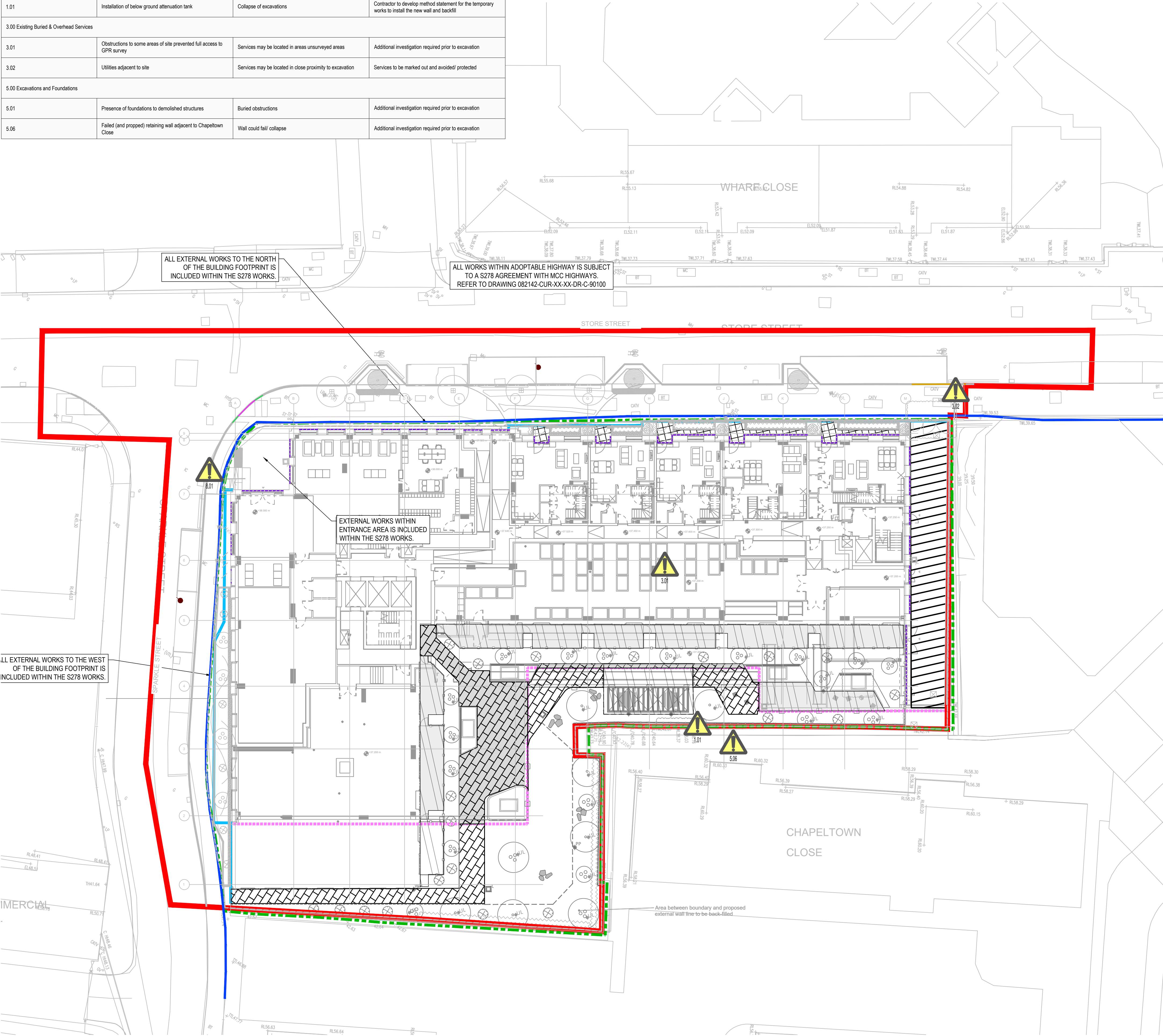


RESIDUAL HAZARD REGISTER (RELATES TO CIVIL/STRUCTURAL MATTERS ONLY) MUST BE READ IN CONJUNCTION WITH CURTINS RESIDUAL HAZARD REGISTER XXXXX-CUR-ZZ-XX-H4-X-00001. HAZARDS THAT SHOULD BE OBVIOUS TO A COMPETENT CONTRACTOR HAVE NOT BEEN INDICATED ON THIS DRAWING. SHOULD ANY ADDITIONAL HAZARDS BE IDENTIFIED, 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
- HIGHWAY BOUNDARY INFORMATION
- INFORMATION RECEIVED FROM MANCHESTER CC HIGHWAYS MAY 2023
- ARCHITECT'S PLANS
- SPS-SHA-ZZ-L00-DR-A-03-1001 REV P06 GA GROUND FLOOR
 - SPS-SHA-ZZ-L01-DR-A-03-1001 REV P06 GA FIRST FLOOR
- PROPOSED SERVICES
- SPS-AME-ZZ-ZZ-DR-X-60-0001 P04 INCOMING HV SUPPLY
 - SPS-AME-ZZ-ZZ-DR-X-60-0002 P02 INCOMING LV SUPPLY - GROUND FLOOR
 - LV MAINS & LV SWITCHROOM INSTALLATION
 - SPS-AME-ZZ-ZZ-DR-X-54-0001 P03 INCOMING WATER SUPPLY

- 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.
 - EXTENT OF RETAINING WALL
 - PAVING TYPE P01A (PODIUM - OFF SLAB) NATURAL STONE PAVING (LA TYPE-1 P3) PERMEABLE PEDESTRIAN LOADING ONLY
 - PAVING TYPE P01B (PODIUM - ON SLAB) NATURAL STONE PAVING (LA TYPE-1 P3) PERMEABLE PEDESTRIAN LOADING ONLY
 - PAVING TYPE P02A (PODIUM - OFF SLAB) NATURAL STONE PAVING (LA TYPE-2 P4) PERMEABLE PEDESTRIAN LOADING ONLY
 - PAVING TYPE P02A (PODIUM - ON SLAB) NATURAL STONE PAVING (LA TYPE-2 P4) PERMEABLE PEDESTRIAN LOADING ONLY
 - PAVING TYPE P04 (GROUND FLOOR) CLAY PAVING UNITS TO PRIVATE TERRACES (LA TYPE P2) IMPERMEABLE PEDESTRIAN LOADING ONLY
 - PAVING TYPE P05 (GROUND FLOOR) ASPHALT VEHICLE ACCESS (LA TYPE P10) IMPERMEABLE LIGHT VEHICULAR LOADING
- ALL FOOTWAY WORKS TO THE NORTH & WEST ELEVATIONS HAS BEEN INCLUDED WITHIN THE S278 WORKS - REFER TO S278 WORKS PACK FOR INFORMATION.
- FOR BUILD-UP CONSTRUCTION DETAILS REFER TO DRAWING SPS-CUR-ZZ-ZZ-DR-C-19-4710

- GENERAL NOTES:
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
 - DO NOT SCALE THIS DRAWING. ANY AMBIGUITIES, OMISSIONS AND ERRORS ON DRAWINGS SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY. ALL DIMENSIONS MUST BE CHECKED / VERIFIED ON SITE.
 - ALL WORKS AND MATERIALS TO BE IN ACCORDANCE WITH CURRENT BRITISH STANDARDS AND BUILDING REGULATIONS.
 - THE LANDSCAPE ARCHITECT'S DRAWING HAS BEEN USED AS A BASE FOR THIS PLAN. PLEASE REFER TO THE LATEST LANDSCAPING LAYOUT.
 - REFER TO LANDSCAPE ARCHITECT'S SPECIFICATION FOR SURFACE FINISHES.
 - WHERE PERMEABLE FINISHES AND/OR PERMEABLE BEDDING IS SPECIFIED, CONSIDERATION IS REQUIRED TO CONFIRM WHETHER SUB-SURFACE DRAINAGE IS REQUIRED.
 - ALL SUB-BASES AND CAPPING LAYERS TO BE GRADED AND COMPACTED IN ACCORDANCE WITH THE SPECIFICATION FOR HIGHWAY WORKS (SFHW).
 - ALL PAVEMENT CONSTRUCTIONS ARE BASED ON AN ASSUMED CBR VALUE OF 5%. TO BE CONFIRMED BY INSITU TESTING AT FORMATION.
 - IT IS RECOMMENDED THAT CBR TESTS ARE CARRIED OUT TO CONFIRM AND SUB-BASE ADJUSTED IN ACCORDANCE WITH THE CAPPING AND SUB-BASE THICKNESS TABLE.
 - CBR TEST PROCEDURE IS DETAILED WITHIN DMRB IAN73/06 AND BS 1377-4.
 - MEASURED CBR VALUE TO BE AT FORMATION LEVEL AND TO BE A 'SOAKED' CONDITION.
 - ANY VARIATIONS IN GROUND CONDITIONS SHOULD BE NOTIFIED TO THE ENGINEER PRIOR TO CONSTRUCTION.
 - THE CONSTRUCTION DEPTHS GIVEN ARE THE MINIMUM REQUIRED (COMPACTED).
 - THE CONSTRUCTION DEPTHS GIVEN ASSUME FORMATION IS NON-FROST SUSCEPTIBLE.
 - WHERE FORMATION IS FROST SUSCEPTIBLE PROVIDE CAPPING MATERIAL TO GIVE A MINIMUM 450mm OVERALL CONSTRUCTION THICKNESS.
 - THE CONSTRUCTIONS GIVEN ARE FOR PRIVATE AREAS ONLY AND NOT FOR ADOPTABLE AREAS.
 - IN AREAS WHERE LEVELS ARE TO BE RAISED, ACCEPTABLE FILL MATERIAL IS TO BE USED TO THE UNDERSIDE OF THE PROPOSED CONSTRUCTION MAKE UP.
 - NO REGULATING OR FILL MATERIAL HAS BEEN INCLUDED IN CONSTRUCTION BUILD UP. CONTRACTOR TO INCLUDE FOR REGULATING/FILL MATERIAL IN THEIR RATES.
 - IN AREAS WHERE LEVELS ARE TO BE LOWERED, EXISTING CONSTRUCTION IS TO BE REMOVED (FULL DEPTH).
 - CONSTRUCTION OF CONCRETE SURFACES SUBJECT TO CASTING IN APPROPRIATE BAY SIZES / LENGTHS.
 - CONTRACTOR TO ALLOW FOR CONTRACTION JOINTING WITHIN CONCRETE AREAS.
 - LAYING COURSE TO BE NATURALLY OCCURRING SAND OR MORTAR IN ACCORDANCE WITH BS7533 REQUIREMENTS.
 - CBM1 TO BE TO BS7533 REQUIREMENTS.
 - TYPE 1 SUB-BASE IN ACCORDANCE WITH SFHW.
 - CAPPING MATERIAL TO BE 6F1, 6F2 OR 6F5 MATERIAL IN ACCORDANCE WITH SFHW 600 SERIES.
 - FIRE TENDER ROUTE TO BE CONFIRMED.
 - MAINTENANCE VEHICLE ROUTE TO BE CONFIRMED.

P02	PRELIMINARY STAGE 4 ISSUE	12/12/25	ATL	MW
P01	ISSUED FOR STAGE 2	14/07/23	ATL	CG
Rev:	Description:	Date:	By:	Chkd:

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Status:			
STAGE 4			
Project:			
SPARKLE STREET, MANCHESTER			
Orig Title:			
EXTERNAL WORKS			
Drawn By		Designed By	
ATL		ATL	
		Checked By	
		CG	
Date		Scales @ A1	
07/07/23		1:200	
Project No - Originator - Function - Spatial - Form - Discipline - Number			Revision
SPS - CUR - ZZ - ZZ - DR - C - 19-1700			P01

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