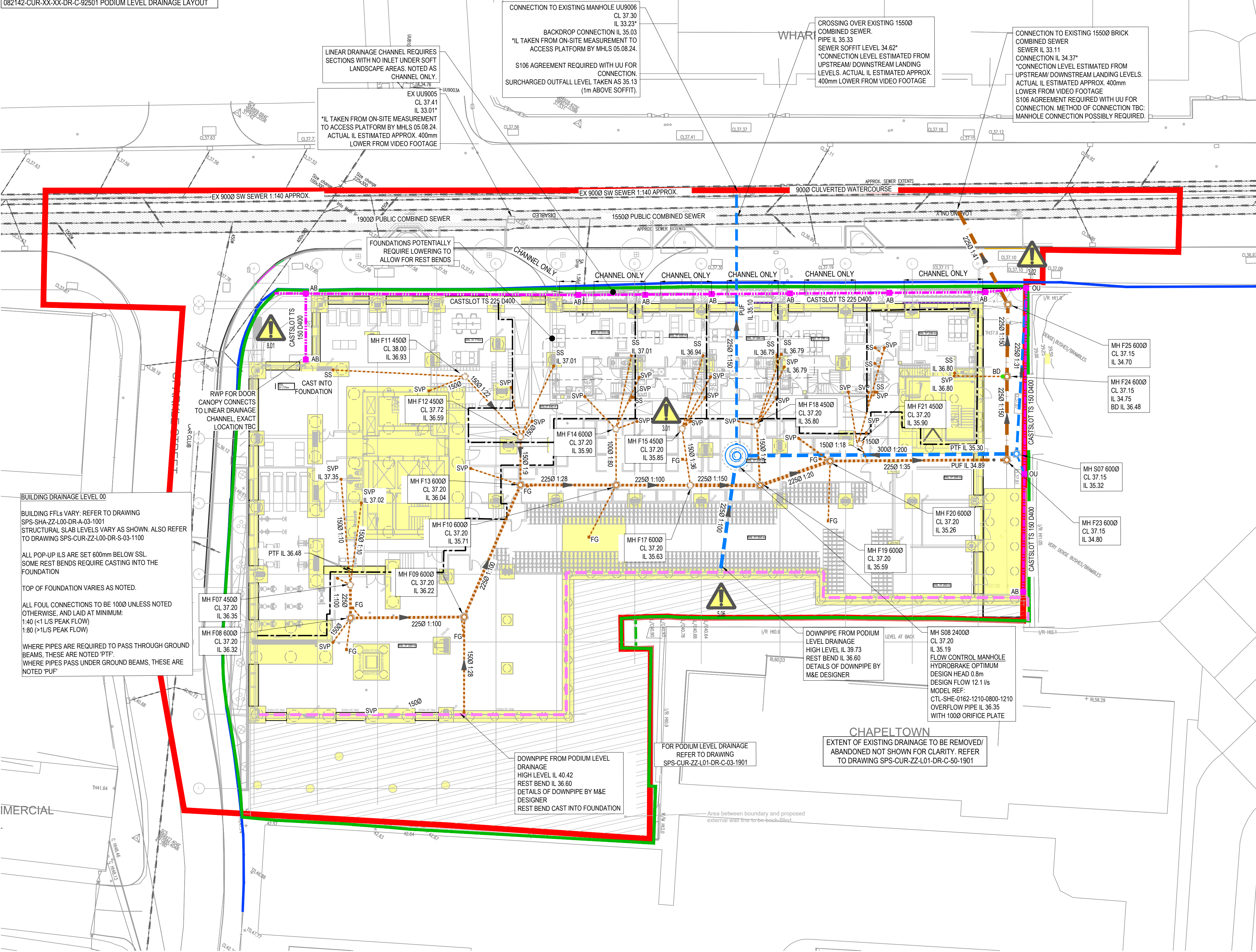


RESIDUAL HAZARD REGISTER (RELATES TO CIVIL/STRUCTURAL MATTERS ONLY) MUST BE READ IN CONJUNCTION WITH CURTINS RESIDUAL HAZARD REGISTER XXXXX-CUR-ZZ-XX-HA-X-00001. HAZARDS THAT SHOULD BE OBVIOUS TO A COMPETENT CONTRACTOR HAVE NOT BEEN INDICATED ON THIS DRAWING. SHOULD ANY ADDITIONAL HAZARDS BE IDENTIFIED, 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

NOT ALL HAZARDS ARE IDENTIFIED ON THIS DRAWING- REFER TO 082142-CUR-XX-XX-DR-C-92501 PODIUM LEVEL DRAINAGE LAYOUT



DESIGN PHILOSOPHY

SURFACE WATER DESIGN
THE DESIGN PROVIDES CAPACITY UP TO THE 100 YEAR 45% CLIMATE CHANGE EVENT.

- SW FLOW RATES:**
- 1 YEAR - 12.1l/s
 - 30 YEAR - 29.6 l/s
 - 100 YEAR +45% CLIMATE CHANGE - 29.6l/s

- APPROXIMATE STORAGE PROVISIONS:**
- CELLULAR TANK- 54m³
 - FILTER STRIPS PROVIDE ADDITIONAL ATTENUATION VOLUME

OUTFALL:
DRAINAGE TO DISCHARGE TO PUBLIC SURFACE WATER SEWER AT MANHOLE REF 9006.
A S106 AGREEMENT FOR THE DISCHARGE IS REQUIRED WITH UU.

LEVELS INDICATE THAT PUMPING /WILL NOT BE REQUIRED.

POLLUTION TREATMENT: MAINTENANCE/ SERVICE AREA SUBJECT TO VEHICULAR LOADING IS POROUS ASPHALT PERMEABLE SUB-BASE.

INFILTRATION IS NOT CONSIDERED APPROPRIATE FOR THIS SCHEME.

FOUL WATER DESIGN
FW PEAK FLOW RATE: 40.6 l/s (BASED ON TOTAL 2406 DISCHARGE UNITS AS PROVIDED BY M&E DESIGNER 26.09.24)
OUTFALL: DRAINAGE TO DISCHARGE TO PUBLIC COMBINED SEWER IN STORE ST (S106 AGREEMENT REQUIRED WITH UU)
LEVELS INDICATE THAT PUMPING WILL NOT BE REQUIRED.

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

HIGHWAY BOUNDARY INFORMATION

- NFORMATION 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

LANDSCAPE ARCHITECT'S PLANS

- SPS-RFM-XX-L00-M2-L-19-0001 REV P03 LANDSCAPE GA GROUND LEVEL
- SPS-RFM-XX-L01-M2-L-19-0002 REV P05 LANDSCAPE GA PODIUM

ABOVE GROUND DRAINAGE LAYOUTS

- FOUL POP-UP DRAWINGS RECEIVED 14.11.25 & 27.11.25 (WIP ISSUE)
- RWP CONNECTION SKETCHES RECEIVED 27.11.25 (WIP ISSUE)
- RWP CONNECTION SETTING OUT SKETCHES RECEIVED

FOUNDATIONS/ SLAB DETAILS

- SPS-CUR-ZZ-FN-DR-S-03-1090 WIP ISSUE 11.11.25 FOUNDATION LAYOUT
- SPS-CUR-ZZ-L00-DR-S-03-1100 WIP ISSUE 11.11.25 LEVEL 00 GA
- SPS-CUR-ZZ-L01-DR-S-03-1101 WIP ISSUE 08.12.25 LEVEL 01 GA

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

*PROPOSED SERVICES NOT SHOWN ON DRAWING FOR CLARITY. DRAINAGE LAYOUT PRODUCED USING SERVICES LAYOUTS (PDF ONLY) TO REMOVE POTENTIAL CLASHES. FURTHER CO-ORDINATION WITH DWG PLANS REQUIRED.

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
- EXISTING COMBINED DRAINAGE
- EXISTING FOUL DRAINAGE
- EXISTING SURFACE WATER DRAINAGE
- PROPOSED FOUL DRAINAGE
- PROPOSED SURFACE WATER DRAINAGE
- PROPOSED FLOW CONTROL MANHOLE
- BD BACKDROP
- PROPOSED LINEAR DRAINAGE CHANNEL GATIC CASTSLOT TREADSAFE OR SIMILAR APPROVED
- FOUL POP-UP
FG - FOUL GULLY
SS - STUB STACK
SVP - SOIL VENT PIPES
- PROPOSED FOUNDATION
- DRAINAGE CROSSING GROUND BEAM
PUT - PASSES UNDER GROUND BEAM
PTF - PASSES THROUGH GROUND BEAM
PAF - PASSES ABOVE GROUND BEAM
INVERT LEVEL SHOWN AT CENTRE OF GROUND BEAM
- CHANGE IN SLAB LEVEL

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 ORDNANCE DATUM UNLESS OTHERWISE NOTED.
- FOR FULL DRAINAGE NOTES REFER TO DRAWING SPS-CUR-ZZ-ZZ-DR-C-03-1910

OUTSTANDING INFORMATION/ COORDINATION.

THIS DRAWING HAS BEEN DRAWN ON ALL AVAILABLE INFORMATION. HOWEVER, THERE ARE SOME AREAS THAT REQUIRE FURTHER INFORMATION/ COORDINATION. THESE ARE HIGHLIGHTED IN RED ON THE PLAN, AND SUMMARISED BELOW:

- FURTHER CO-ORDINATION WITH FOUNDATION LAYOUT REQUIRED TO AVOID CLASHES WITH SOME POP-UP LOCATIONS

P06	UPDATED IN LINE WITH RWP SETTING OUT	12/12/25	ATL	MW
P05	PRELIMINARY STAGE 4 ISSUE	05/12/25	ATL	MW
P04	STAGE 3 ISSUE	27/09/24	ATL	ATL
P03	STAGE 2 UPDATE	19/04/24	CS	CG
P02	ISSUED FOR STAGE 2	07/07/23	ATL	CG
P01	ISSUED FOR DRAFT FRA	07/07/23	ATL	CG
Rev:	Description:	Date:	By:	Chkd:

Curtins

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Status:

STAGE 4

Project:

SPARKLE STREET, MANCHESTER

Dwg Title:

DRAINAGE LAYOUT
GROUND FLOOR

Drawn By	ATL	Designed By	ATL	Checked By	CG
Project No.	0824142	Date	07/07/23	Scales	@ A1 1:200
Project No - Originator - Function - Spatial - Form - Discipline - Number					Revision
SPS - CUR - ZZ - L00- DR - C - 50-1900					P06