

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



WHARF CLOSE

CHAPELTOWN
CLOSE

~~Area between boundary and proposed external wall line to be back-filled~~

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 ATTENUATION - 55m³
- PERMAVOID PODIUM DRAINAGE ATTENUATION - 35m³ BASED ON 85mm DEEP SYSTEM
- PERMEABLE SUB-BASE UNDER POROUS ASPHALT - UP TO 11m³ BASED ON 300mm THICK STORAGE LAYER

OUTFALL: DRAINAGE TO DISCHARGE TO CULVERTED WATERCOURSE IN STORE
ST (TO BE AGREED WITH LLFA)
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

FW PEAK FLOW RATE: 16.9L/S (BASED ON 4000 L/DAY PER PROPERTY, IN LINE WITH THE DCG. FINAL DISCHARGE UNIT LOADINGS TBC BY M&E DESIGNERS)

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

- INFORMATION RECEIVED FROM MANCHESTER CC HIGHWAYS MAY 2023

ARCHITECT'S PLANS

- 10413-SHP-Z1-A-G200-PL-00-001 REV P07 GA GROUND FLOOR
- 10413-SHP-Z1-A-G200-PL-00-001 REV P05 GA FIRST FLOOR
- 10413-SHP-Z1-A-G200-PL-RF-001 REV P03 GA ROOF LEVEL

LANDSCAPE ARCHITECT'S PLANS

- 1006-RFM-XX-00-DR-L-0001 REV P06 LANDSCAPE GA GROUND LEVEL
- 1006-RFM-XX-01-DR-L-0002 REV P05 LANDSCAPE GA PODIUM

FOUNDATIONS

- 082142-CUR-Z1-FN-D-S-16100 WIP FOUNDATION LAYOUT RECEIVED 10.07.23

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 |
| | EXISTING DRAINAGE TO BE ABANDONED/ REMOVED |
| | PROPOSED FOUL DRAINAGE |
| | PROPOSED SURFACE WATER DRAINAGE |
| | PROPOSED FLOW CONTROL MANHOLE |
| | BACKDROP |
| | PROPOSED PERFORATED DRAIN IN PERMEABLE SUB-BASE. |
| | PROPOSED LINE DRAINAGE CHANNEL GATIC CAST SLOTT TREADSAFE OR SIMILAR APPROVED |
| | POROUS ASPHALT |
| | PROPOSED FOUNDATION |
| | PROPOSED RETAINING WALL BASE (EXTENTS TBC) |
| | CHANGE OF PROPOSED FFL |

GENERAL NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
2. 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.
3. DO NOT SCALE THIS DRAWING. ALL DETAILS AND DIMENSIONS ARE TO BE CHECKED BY THE CONTRACTOR. ANY DISCREPANCIES TO BE REPORTED TO THE ENGINEER.
4. ALL DIMENSIONS ARE IN METRES AND LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS OTHERWISE NOTED.
5. WHERE EXISTING DRAINAGE IS BEING USED, ALLOWANCES SHOULD BE MADE TO REMEDIATE THIS DRAINAGE IN LINE WITH AVAILABLE CCTV SURVEY INFORMATION. IF NO SURVEY IS AVAILABLE, IT IS ADVISED TO OBTAIN ONE PRIOR TO COMMENCEMENT OF WORKS.
6. ALL EXISTING SERVICES TO BE LOCATED PRIOR TO COMMENCEMENT OF ANY DRAINAGE WORKS, AND WHERE NECESSARY PROTECTION OR DIVERSIONS TO BE UNDERTAKEN TO AVOID CONFLICT WITH THE PROPOSED WORK.
7. ALL PIPE DIAMETERS GIVEN ARE NOMINAL INTERNAL PIPE DIAMETERS. THESE ARE TO BE CONFIRMED ONCE A DETAILED CAPACITY CHECK HAS BEEN UNDERTAKEN AT A LATER DESIGN STAGE.
8. OUTFALL CONNECTION(S) SUBJECT TO AGREEMENT WITH THE APPROVING AUTHORITY.

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:

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Status:

SUITABLE FOR INFORMATION

S2

Project

SPARKLE STREET, MANCHESTER

Drug Title:

DRAINAGE LAYOUT GROUND FLOOR

Drawn By ATL	Designed By ATL	Checked By CG
	Date 07/07/23	Scales @ A1 1:200

082142 - CUR - XX - XX- D - C- 92500

S2	ER			Revision	P03