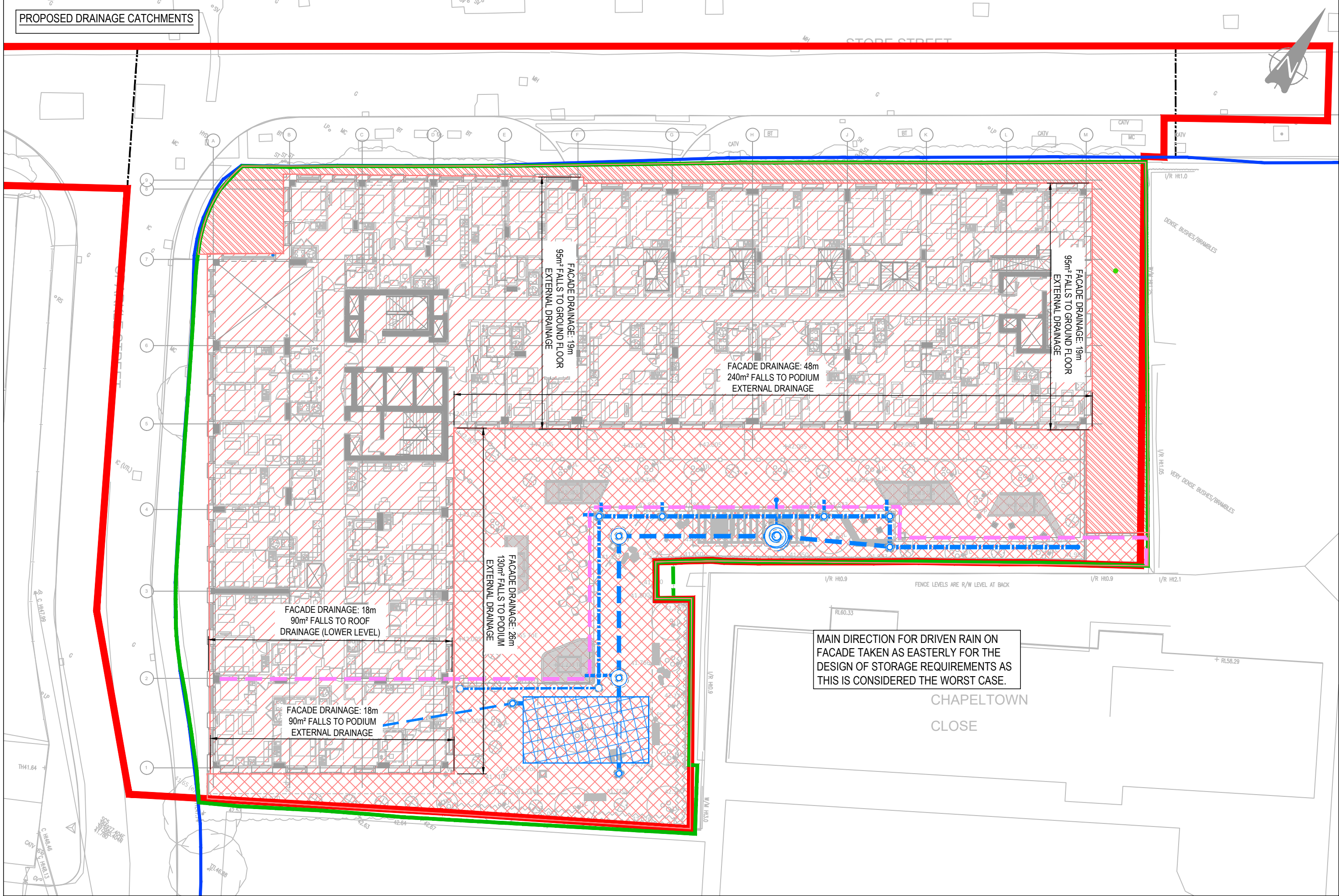
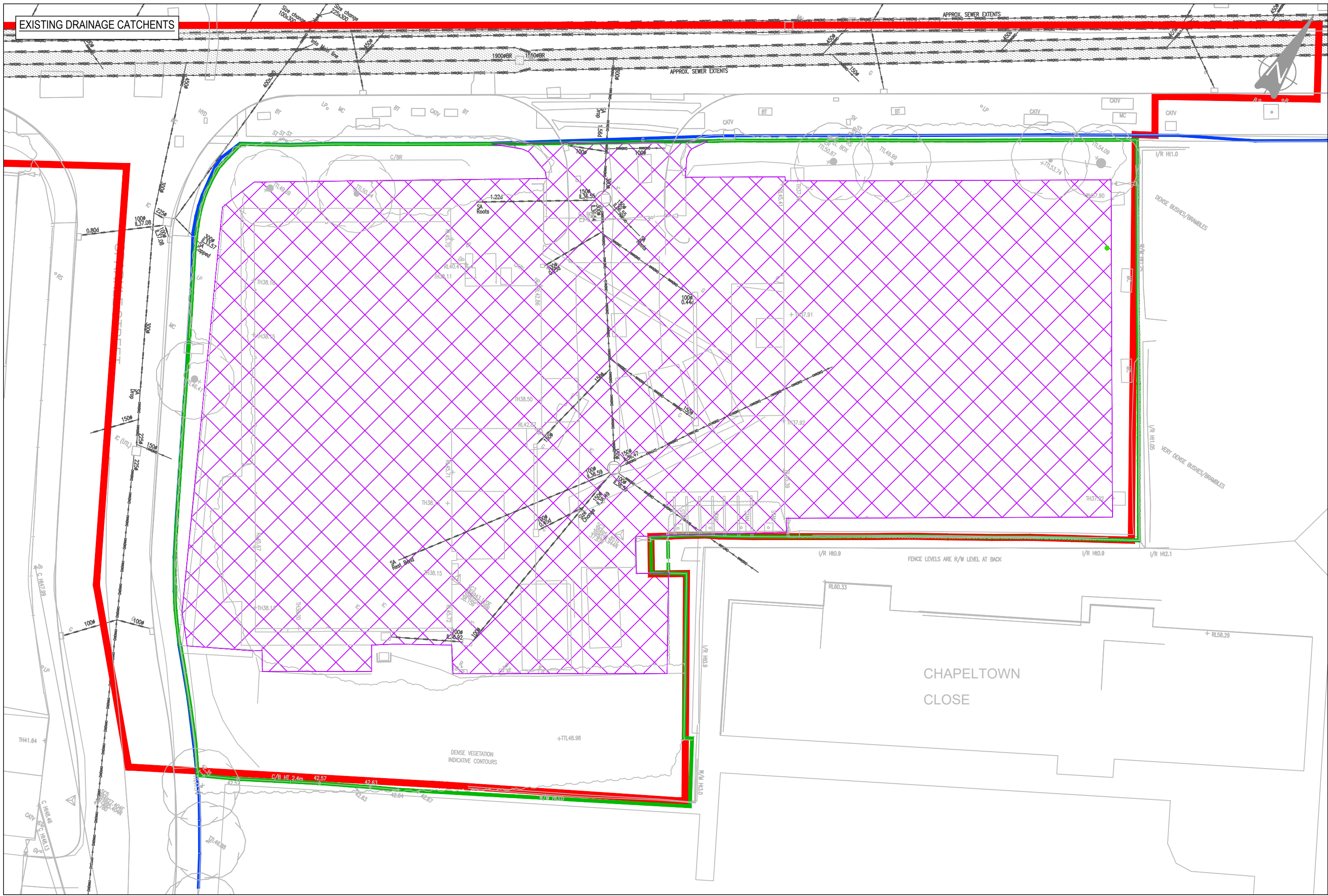




EXISTING CATCHMENTS

TOTAL EXISTING HARDSTANDING CATCHMENT: 0.22 Ha.

MODELLING OF THE EXISTING DRAINAGE NETWORK INDICATES THE PRE-DEVELOPMENT BROWNFIELD FLOWS ARE:

- 1 YEAR - 24.2/s
- 30 YEAR - 59.1/s
- 100 YEAR - 75.6/s

PROPOSED CATCHMENTS

TOTAL PROPOSED DRAINAGE CATCHMENT: 0.373Ha*

THE PROPOSED DRAINAGE HAS BEEN DESIGNED TO PROVIDE A 50% BETTERMENT TO THE PRE-DEVELOPMENT BROWNFIELD FLOWS:

- 1 YEAR - 12.1/s
- 30 YEAR - 29.6/s
- 100 YEAR +45% CLIMATE CHANGE - 29.6/s

*TOTAL AREA INCLUDES ALLOWANCE FOR FACADE DRAINAGE AS BUILDING IS OVER 5 STOREYS TALL; REFER TO TABLE 1

TABLE 1: PROPOSED DRAINAGE CATCHMENTS			
CATCHMENT AREA	PLAN AREA	ADDITIONAL FACADE AREA	TOTAL CATCHMENT AREA
ROOF	0.171 Ha	0.019 Ha	0.190 Ha
GROUND FLOOR EXTERNALS	0.023 Ha	0.010 Ha	0.033 Ha
PODIUM EXTERNALS	0.089 Ha	0.046 Ha	0.135 Ha
TOTAL	0.283 Ha	0.075 Ha	0.373 Ha

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

- 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)

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 11.11.25 LEVEL 01 GA

- 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 CATCHMENT PLAN**
- EXISTING ROOF/ HARDSTANDING AREA
 - EXISTING COMBINED DRAINAGE
 - EXISTING FOUL DRAINAGE
 - EXISTING SURFACE WATER DRAINAGE
- PROPOSED CATCHMENT PLAN**
- PROPOSED ROOF AREA
 - PROPOSED EXTERNAL AREA (GROUND FLOOR LEVEL)
 - PROPOSED EXTERNAL AREA (PODIUM LEVEL)
 - PROPOSED SW DRAINAGE
 - EXTENT OF PROPOSED RETAINING WALL

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

P01	ISSUED FOR PLANNING CONDITION DISCHARGE	12.12.25	ATL	MW
Rev:	Description:	Date:	By:	Chkd:

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Status: **STAGE 4**

Project: **SPARKLE STREET, MANCHESTER**

Orig Title: **EXISTING AND PROPOSED DRAINAGE CATCHMENTS**

Drawn By	Designed By	Checked By
ATL	ATL	MW
Project No.	Date	Scales @ A1
0824142	12/12/25	1:200
Project No • Originator • Function • Spatial • Form • Discipline • Number		
SPS - CUR - ZZ - ZZ - DR - C - 83-1903		
Revision		
P01		