EXISTING DRAINAGE DISCHARGE

MAIN NETWORK DISCHARGE

ADDITIONAL NETWORK DISCHARGE

ALL EXISTING DRAINAGE NOT SHOWN FOR CLARITY FOR EXISTING DRAINAGE REFER TO DRAWING 1338B-CUR-ZZ-00-DR-C-520004
PIPES WHICH WILL BE ABANDONED ARE SHOWN ON 1338B-CUR-ZZ-00-DR-C-520007

Network	Achieved Discharge (l/s) Critical Storm Event		
	Main Network	Additional Network	Combined
1-Year	28.8	2.4	31.2
30-Year	43.0	6.7	49.7
100-Year + 30%CC	66.9	11.2	78.1

RESIDUAL HAZARD REGISTER

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 No.	ITEM (FEATURE, ELEMENT OR ACTIVITY)	RESIDUAL HAZARD
1.1	CONSTRUCTION	WORK WITHIN HIGHWAY LAND,
1.2	CONSTRUCTION	WORKING CLOSE TO MANCUNIAN WAY FOUNDATION AND STRUCTURE
1.4	CONSTRUCTION	DEEP EXCAVATION BELOW 3M
1.5	CONSTRUCTION	EXCAVATION NEAR EXISTING FOUNDATION

REQUIRED INFORMATION
- EXTERNAL SERVICES NOT PROVIDED SHOULD BE DESIGNED OUTSIDE DRAINAGE
- SIPHONIC SYSTEM DOWPIPES LOCATION BASED ON VERBAL AGREEMENT, NO SIPHON DOWNPIPES SETTING OUT PROVIDED

FOR SIPHONE SYSTEM VALUES TAKEN IN MICRODRAINAGE MODEL REFER TO 1338B-CUR-XX-XX-DR-C-520005-Drainage notes

GENERAL NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
2. 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.
3. FOR ALL NOTES REFER TO 1338B-CUR-YY-GR-DR-C-920503
4. NOTE ALL SLOT DRAIN SIZES ARE SHOWN INDICATIVELY AND TBC BY MANUFACTURER.

LEGEND

- PHASE 1 SITE BOUNDARY BASED ON 1338B-BDP-YY-GF-DR-A-000006
- EXTENT OF FUTURE DEVELOPMENT BASED BASED ON 2006-PLA-EE-ES-DR-L-0001 P08
- EX FOUL WATER DRAIN- GPR SURVEY
- EX COMBINED WATER SEWER- GPR SURVEY
- EXISTING UU COMBINED SEWER- UU RECORDS

BASED ON CCTV SURVEY

- FW EX FOUL WATER DRAIN
- CW EX COMBINED WATER DRAIN
- SW EX SURFACE WATER DRAIN

PROPOSED DRAINAGE

- PROPOSED FOUL WATER DRAIN
- PROPOSED SURFACE WATER DRAIN
- LAND DRAIN A- WRAPPED WITH GEOTEXTILE
- LAND DRAIN B-WRAPPED IMPERMEABLE MEMBRANE
- PROPOSED COMBINED WATER DRAIN
- PROPOSED SEWER DIVERSION
- PROPOSED INTERNAL SERVICES
- PROPOSED CELLULAR STORAGE
- UU EASEMENT EXTENT
- FOUNDATION
- SD GATIC SLOT DRAIN SD1-HEAVY VEHICLE AREA SD2 PEDESTRIAN AREA WITH MEWP OVERRUN
- FD GATIC FACADE SLOT DRAIN
- SVP SOIL VENT PIPE
- SS SUB STACK
- FG FLOOR GULLY
- RG ROAD GULLY
- SG SHOWER GULLY
- CAST IN
- DP DOWNPIPE
- EX EXISTING
- NV NON RETURN VALVE
- BD BACK DROP
- BB BELOW BEAM
- TB THROUGH BEAM
- AF ABOVE BEAM
- AB ACCESS BOX
- OU OUTLET BOX

DRAWING BASED ON:
GPR SURVEY18H083 SEPT 2018 BY SURVEY OPERATIONS
CCTV SURVEY 22977 BY SUBSCAN 05.06.2019
UU ASSET RECORDS UUPS-ORD-54585 06.09.2018
GROUND FLOOR ARCHITECT LAYOUT
1338B-5PA-NB-00-DR-A-200001 P03
1338B-5PA-NB-00-DR-A-200002 P03
FOUNDATION LAYOUT 1338B-CUR-XX-FD-DR-S-170001 C03 27.04.21
CRANE BASE 02.06.21

POPUP LOCATION AND DISCHARGE UNITS BASED ON
NB-00-DR-M-520001 21.05.21
NB-00-DR-M-520002 21.05.21
DISCHARGE UNITS MMU-NGB-00-CA-M-5001 P1 04.05.21
JD CENTER SETTING OUT 1338B-5PA-W1-00-DR-A-230075 C03

ROOF AREA
GRAVITY 1338B-NGB-NB-CA-M-520002 P2 26.05.21
SIPHONIC DRAINAGE
WES-ZZ-ZZ-DR-Y-298801T02&EMAIL12.05 FROM B&K

LANDSCAPE PLAN AND LEVELS RFM-XX-00-M2-L-0001 WORK IN PROGRESS 26.05.23

EXTERNAL SERVICES - NOT PROVIDED
INTERNAL SERVICES NB-00-DR-E-908001 P06 21.05.21

Rev:	Description:	Date:	By:	Chkd:
C09	DRAINAGE CHANNELS AMENDED, LANDSCAPE LAYOUT AMMENDED	01.06.23	ATL	MW
C08	SLOPE TO S02 CHANGED	23.11.22	MW	MW
C07	UPDATED AS CLOUDED	20.04.22	TH	MW
C06	AS CLOUDED	19.01.22	MW	MW
C05	FOUNDATION LAYOUT UPDATED	15.11.21	TH	MW
C04	AS CLOUDED	13.08.21	MW	MW
C03	UPDATED MANHOLE DETAILS	27.07.21	TH	MW

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Status: CONSTRUCTION

Project: MMU SCIENCE AND ENGINEERING

Drg Title: PROPOSED DRAINAGE LAYOUT SHEET 1

Project No:	Size:	Date:	Drawn By:	Designed By:	Checked By:
069656	A1	25/05/21	MW	MW	MW
	Scale: 1:250				

Project Code: Originator: Zone: Level: Type: Discipline: Category / Number: Rev:

1338B - CUR - ZZ - 00 - DR - C - 520 000 - C09

\\mats02\Projects\069001 - 070000\069656 - MMU Science and Engineering\0AS e Production\4B Models & Drawings\002-Civils\002\Drawings\STAGE 5\