VIEWPORT A
SCALE 1:200

EXISTING DRAINAGE WITHIN BUILDING TO BE ABANDONED.

FFL + 64.34

FFL + 64.30

FFL + 64.56

SRH02
CL:64.34
IL:62.80
VENTED COVER

SRWP2

SRH1
CL:64.15
IL:62.93
VENTED COVER

SRWP1

FW17
CL:64.56
IL:63.20

FW15
CL:64.61
IL:63.43

FW13
CL:64.56
IL:63.60

FW12
CL:64.56
IL:63.75

FW16
CL:64.56
IL:63.30

FW11
CL:64.28
IL:62.46
BD IL 63.11

FW10
CL:64.11
IL:62.18
BD IL 63.27

FW14
CL:64.56
IL:63.57

FW09
CL:64.24
IL:62.00
BD IL 63.34

FW08
CL:64.61
IL:63.66

FW06
CL:64.34
IL:61.94

SG IL:63.76
SS IL:63.69
SS IL:63.75
SS IL:63.81
SS IL:63.75
SS IL:63.85
SS IL:63.82
SS IL:63.91
SS IL:63.86
SS IL:63.83
SS IL:63.90
SVP IL:63.69
SVP IL:63.85
SVP IL:63.80
SVP IL:63.85
SVPs IL:63.85

100Ø1:27
100Ø1:16
100Ø1:80
100Ø1:40
100Ø1:38
100Ø1:40
100Ø1:85
100Ø1:18
100Ø1:14
100Ø1:34
100Ø1:20
100Ø 1:80
100Ø1:80
100Ø1:7
100Ø1:80
100Ø1:80
100Ø1:40
100Ø1:22

225Ø 1:100
450Ø 1:400
100Ø1:80
150Ø1:100

5.05 DEEP EXCAVATIONS
3.01 UNDERGROUND SERVICES

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
3.01	UNDERGROUND SERVICES	EXISTING LIVE SERVICES (SITEWIDE)
5.05	DEEP EXCAVATIONS	DEEP EXCAVATION MORE THEN 3M NEAR EXISTING CULVERT/ NEAR EXISTING FOUNDATION WALL/ ATTENUATION TANK

VIEWPORT B
SCALE 1:200

EXISTING DRAINAGE WITHIN BUILDING TO BE ABANDONED.

FFL + 64.38

FFL + 64.54

FFL + 64.34

SIPHONS BREAK AT CHAMBERS REFER TO SAPOFLOW DETAILS

SRH05
CL:64.39
IL:62.90
VENTED COVER

SRH04
CATCHPIT
CL64.35
IL:62.37

SRH03
CL:64.54
IL:62.56
VENTED COVER

SRWP3

SRH02
CL:64.34
IL:62.80
VENTED COVER

FW01
CL:64.56
IL:63.71

FW02
CL:64.56
IL:63.56

FW03
CL:64.56
IL:63.51

FW04
CL:64.56
IL:63.47

FW05
CL:64.58
IL:63.25

FW18
CL:64.56
IL:63.59

FW19
CL:64.56
IL:63.54

SVP IL:63.82
SS IL:63.82
SS IL:63.67
SS IL:63.62
SVPs IL:63.62
SG IL:63.82

100Ø1:55
100Ø1:15
100Ø1:80
100Ø1:40
100Ø1:80
100Ø1:40
100Ø1:80
100Ø1:80
100Ø1:80
100Ø 1:80

225Ø 1:100
450Ø 1:400
600Ø 1:500
100Ø1:80

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. ALL DETAILS AND DIMENSIONS ARE TO BE CHECKED BY THE CONTRACTOR. ANY DISCREPANCIES TO BE REPORTED TO THE ENGINEER.
3. REFER TO DRAWING HRD-CUR-XX-ZZ-DR-C-92-502 FOR ALL DRAINAGE NOTES

KEY:

- SITE BOUNDARY BASED ON HRD-FRA-00-XX-DR-A-90-0200

EXISTING SERVICES BASED ON CTV SURVEY S17480-U DEC 2018

- FW=B2 — FOUL WATER PIPE
- SW=B2 — SURFACE WATER PIPE
- CW=B2 — COMBINED WATER DRAIN

UNITED UTILITIES RECORDS UUPS-ORD-76950 ALL UU ASSETS ARE SHOWN INDICATIVELY

- SW= B2 — EXISTING UU SURFACE WATER SEWER
- CW= B2 — EXISTING UU COMBINED WATER SEWER
- EXISTING WATERCOURSE
- 8M EASEMENT BASED ON SEWER FOR ADOPTION 6TH EDITION
- SW — ASSUMED SURFACE WATER DRAIN ROUTE
- CW — ASSUMED COMBINED DRAIN ROUTE
- DRAINAGE TO BE ABANDONED

PROPOSED DRAINAGE

- PROPOSED FOUL DRAINAGE
- PROPOSED SURFACE WATER DRAINAGE - BUILDING DRAINAGE (SIPHONIC)
- PROPOSED SURFACE WATER DRAINAGE - WASHDOWN AREA
- PROPOSED SURFACE WATER DRAINAGE - GF CAR PARK
- PROPOSED SURFACE WATER DIVERSION TO EXISTING
- PROPOSED LINEAR DRAINAGE.
- PROPOSED LINEAR DRAINAGE TO WASHDOWN AREA.
- PROPOSED CELLULAR ATTENUATION TANK

LINEAR DRAINAGE IS CASTLOST TREADSAFE OR SIMILAR APPROVED. SIZES AS NOTED.

DP FOUL WATER DOWNPIPE

DRAWING BASED ON:
TOPOGRAPHICAL SURVEY BY SEP S15724-T
GPR SURVEY BY SEP S17480-U DEC 2018 JUNE 2018
CCTV SURVEY BY SEP DRAINAGE SURVEYS LTD DEC 2018 AND AUG 2020
UU RECORDS UUPS-ORD-76950
PROPOSED SITE PLAN HRD-FRA-00-XX-SK-A-90-9006-C02

SAPOFLOW SIPHON SYSTEM 21.02.23
HRD-SAP-01-RL-DR-X-0001C02
HRD-SAP-01-RL-DR-X-0002 C02

Rev:	Description:	Date:	By:	Chkd:
P02	BUILDING (SIPHONIC) DRAINAGE AMENDED	07.07.23	ATL	MW
P01	ISSUED FOR COMMENTS	16.06.23	KS	MW

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Status: PRELIMINARY

Project: HAMMERSTONE ROAD

Drg Title: PROPOSED MAIN BUILDING DRAINAGE

Project No:	Size:	Date:	Drawn By:	Designed By:	Checked By:
068065	A1	14.04.21	ATL	ATL	MW
	Scale: 1:200				

Project Code:	Originator:	Zone:	Level:	Type:	Discipline:	Category / Number:	Rev:
HRD	- CUR -	XX -	00 -	DR -	C -	92-601	-P02

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