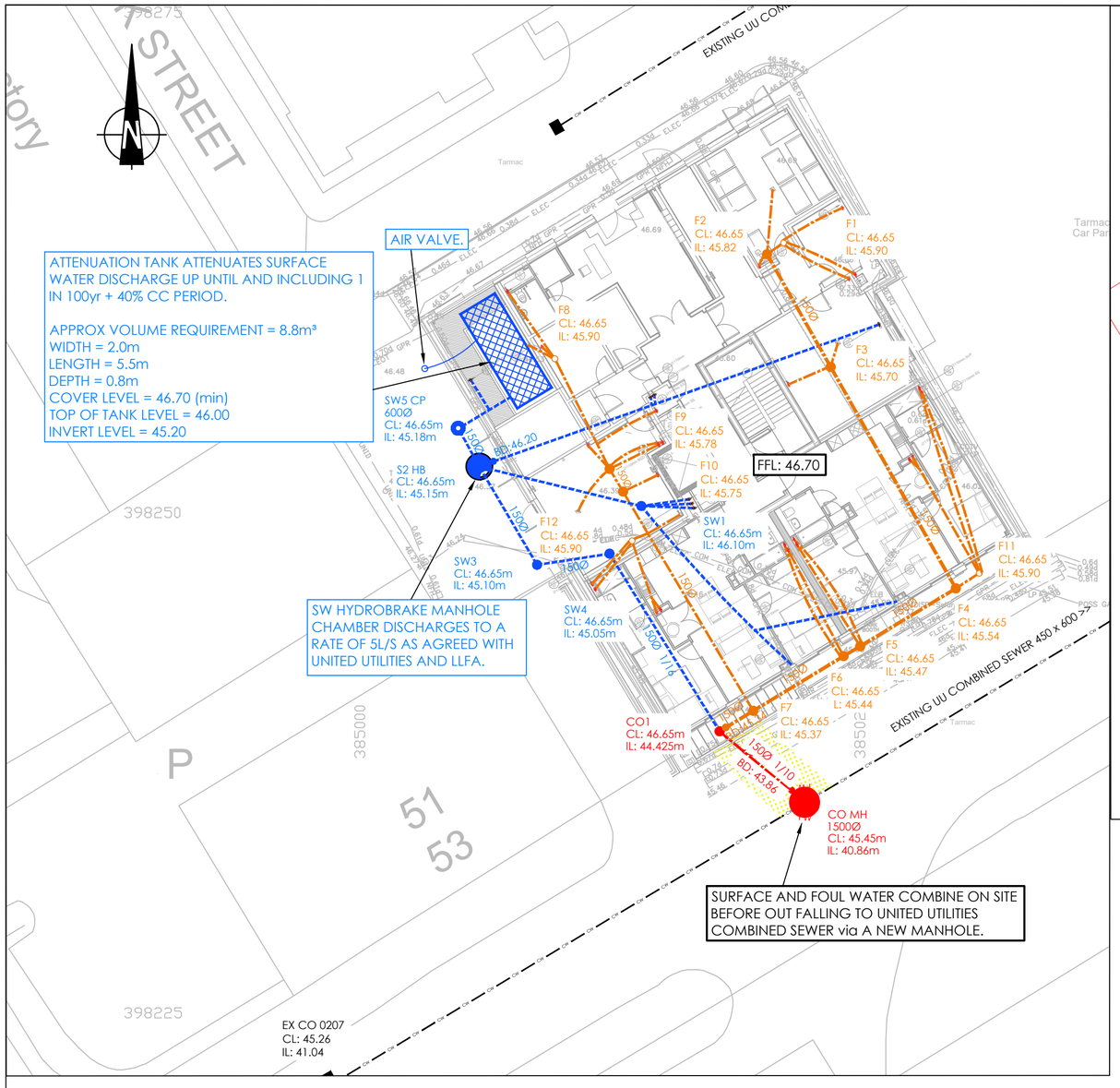
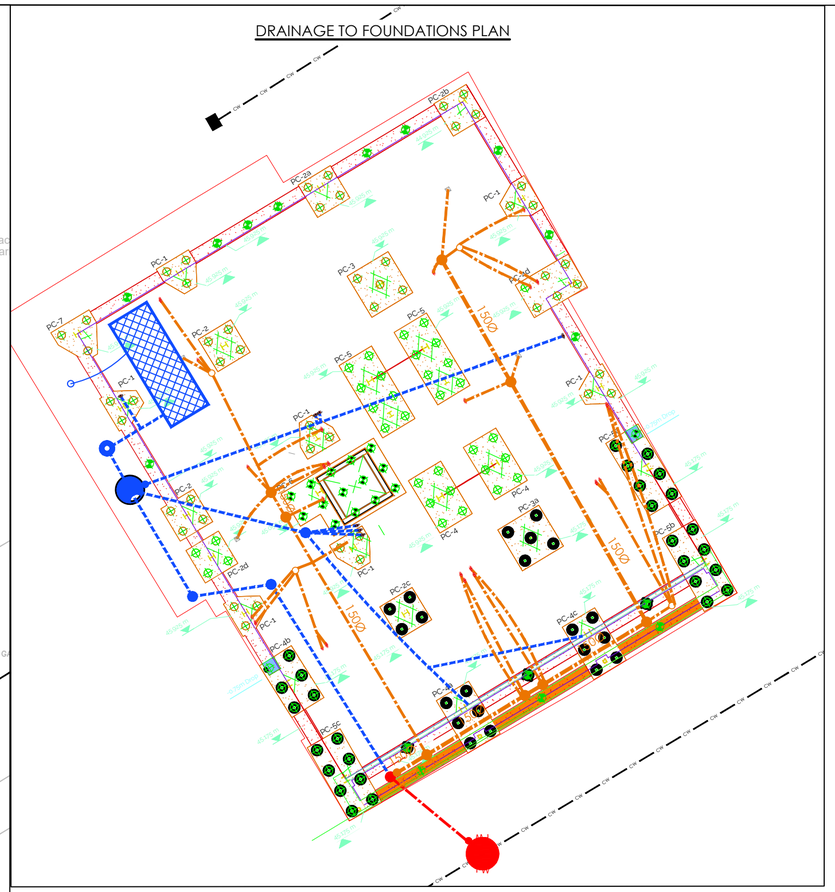


DRAINAGE TO FOUNDATIONS PLAN



NOTE:

ALL ABOVE GROUND FLOOR LEVEL FOUL & SURFACE WATER IS ASSUMED TO BE UNDERLSUNG IN FALSE CEILING AT GROUND FLOOR LEVEL AS TO BE DESIGNED BY ARCHITECT.

ALL UNDER GROUND LEVEL DRAINAGE LOCATIONS PROPOSED CONSIDERING SVP & RWP'S AS PROVIDED BY OTHERS WITH FOUNDATION LAYOUT.

GENERAL NOTES

THIS DRAWING TO READ IN CONJUNCTION WITH ALL RELEVANT STRUCTURAL AND ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.

ALL DIMENSIONS TO BE CHECKED ON SITE BY THE CONTRACTOR / FABRICATOR PRIOR TO COMMENCEMENT OF WORKS.

ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE.

ALL WORKS TO BE CARRIED OUT IN STRICT ACCORDANCE WITH THE ENGINEER'S SPECIFICATIONS, RELEVANT BRITISH STANDARDS AND WHERE APPLICABLE LOCAL AUTHORITIES REQUIREMENTS.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ANY SERVICE/UTILITY APPARATUS IN THE VICINITY OF THE WORKS BEFORE DRAINAGE INSTALLATION HAS COMMENCED. SHAPE WILL ACCEPT NO CLAIMS WHATSOEVER IN RESPECT OF ANY LOSSES OR DAMAGE CAUSED IN RESPECT OF SUCH APPARATUS.

DRAINAGE NOTES

ALL INDICATED SURFACE WATER SEWERS ARE 100mm IN DIAMETER UNLESS OTHERWISE STATED.

ALL FOUL WATER SEWERS ARE 100mm IN DIAMETER UNLESS OTHERWISE STATED.

ALL MANHOLE AND SEWER TRENCH WORKS SHOULD COMPLY WITH PART H OF THE BUILDING REGULATIONS.

FFL SET TO OR ABOVE EXISTING GROUND LEVEL MITIGATING FLOOD RISK, SITE BOUNDARY DOES NOT PROVIDE ANY OVERLAND FLOWS NOR ARE ANY OFF SITE LEVELS TO BE CHANGED POSING NO RISK TO NEIGHBOURING PROPOERTIES.

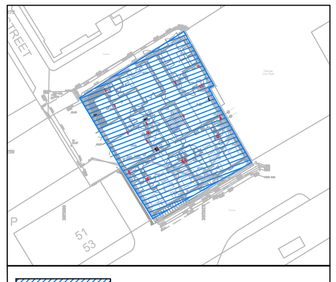
PRIVATE DRAINAGE PPIC/MANHOLE SCHEDULE

MH No.	PPIC/ MANHOLE DIAMETER (mm)	COVER LEVEL (m)	INVERT LEVEL (m)	DEPTH (m)	IC PRODUCT	EASTING (m)	NORTHING (m)
S1	450	46.65	46.10	0.55	UNIVERSAL	385013.3204	398250.0717
S2 HB	1200	46.65	45.15	1.50	DR-C-0006	358005.2248	398252.0438
S3	450	46.65	45.10	1.55	RANGE 450	385008.1092	398247.1319
S4	450	46.65	46.05	1.60	RANGE 450	385011.7313	398247.6894
S5 CP	600	46.65	46.18	1.47	DR-C-0004	385004.1572	398253.9663
F1	300	46.65	45.90	0.75	MULTI BASE IC	385020.4312	398263.2213
F2	450	46.65	45.82	0.83	UNIVERSAL	38501936.72	398262.6539
F3	450	46.65	45.70	0.95	UNIVERSAL	385022.7869	398257.0262
F4	450	46.65	45.54	1.11	UNIVERSAL	385029.0452	398245.9539
F5	450	46.65	45.47	1.18	UNIVERSAL	385024.2647	398243.0664
F6	450	46.65	45.44	1.21	RANGE 450	385023.4306	398242.5694
F7	450	46.65	45.37	1.28	RANGE 450	385018.9172	398239.8344
F8	300	46.65	45.90	0.75	MULTI BASE IC	385008.9949	398257.4285
F9	450	46.65	45.78	0.87	UNIVERSAL	385011.7347	398251.9256
F10	450	46.65	45.75	0.90	UNIVERSAL	385012.4086	398250.7912
F11	300	46.65	45.90	0.75	MULTI BASE IC	385030.2148	398246.7091
F12	300	46.65	45.90	0.75	MULTI BASE IC	385012.8566	398248.3304
C01	450	46.65	44.42	2.23	RANGE 450	385017.2344	398238.8137

IC PRODUCTS REFERENCED TO MANUFACTURERS WAVIN/OSMA OVERVIEW, PLEASE REFER TO 2255-SCE-00-00-DR-C-0002-P02-Drainage Details OR RELEVANT DRAWING NUMBER. ALL UNDER SLAB INSPECTION CHAMBERS TO HAVE SEALED COVERS. IF PRODUCT PURCHASED FROM DIFFERENT MANUFACTURER THEN PLEASE REFER TO ASSOCIATED SPECIFICATION GUIDANCE.

DRAINAGE KEY

- EXISTING UU COMBINED SEWER
- PROPOSED PRIVATE FOUL WATER SEWER
- PROPOSED PRIVATE SURFACE WATER SEWER
- PROPOSED COMBINED SEWER
- PROPOSED PRIVATE 300Ø FW PPIC
- PROPOSED PRIVATE 450Ø FW PPIC UNLESS OTHERWISE STATED
- PROPOSED PRIVATE 300Ø SW PPIC
- PROPOSED PRIVATE 450Ø SW PPIC UNLESS OTHERWISE STATED
- PROPOSED PRIVATE CATCH PIT
- PROPOSED SW HYDROBRAKE MANHOLE



PROPOSED IMPERMEABLE AREA = 546m²

CONTRACTOR HAS PROVIDED PICTURES AND CONFIRMED THAT BOTH SURFACE AND FOUL NETWORKS HAVE BEEN CONSTRUCTED IN LINE WITH PROPOSED DRAINAGE PLAN

AB1	GP	As Built Issue	07.11.24
C02	GP	Updated to Reflect Consulux SVP,SS,BGD Plan	22.08.23
C01	GP	Construction Issue	16.12.22
P11	GP	Updated to Reflect Latest Site Plan, Foundations & Agreed Drainage Layout	24.11.22
P10	GP	Updated to Reflect Latest Foundations & Added PPIC/Manhole Schedule	28.10.22
P09	GP	Updated to Remove any Chambers from Under Apartment Footprint	02.08.22
P08	GP	Updated with Latest SVP, RWP's and Foundations	02.08.22
P07	GP	Updated with SVP, RWP's and Foundations	24.05.22
P06	GP	Updated to Propose a Phase 1 & 2 Installation Process	18.03.22
P05	GP	New Outfall Proposal	17.03.22
P04	GP	Updated to Propose New Manhole on Existing Line in Lomax St.	14.03.22
P03	GP	Updated to Provide 2nd Outfall Option if Required	14.03.22
P02	GP	Flood Risk/Overland Flow Note Added	13.01.22
P01	GP	First Issue	20.12.21
Rev.	By	Description	Date

Revision Schedule

shape CONSULTING ENGINEERS
Amber House | Green Lane | Liverpool | L13 7GD
T: 0151 305 0700 | W: www.shapeengineering.co.uk | Tweet Us: @shapetweets

PROJECT: Ducie St Manchester

TITLE: Drainage Strategy

Client: Zerum

Status: S4 | Purpose of Issue: As Built

Designed By: GP | Drawn By: GP | Shape Project No.: 2255

Sheet No.: C-0001

Scale (@ A2): 1:200 | Date: 20.12.2021 | Rev: AB1