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Suitability Code (as defined in ISO 19650-2:2018)
S0 - Initial Status

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S1 - Suitable for co-ordination
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S5 - Withdrawn
S6 - Suitable for PIM authorisation
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Published (Contractual)
A1, A2, A3, Etc. - Authorised and accepted
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Published (AIM Acceptance)
CR - As constructed record document

SAFETY HEALTH AND ENVIRONMENTAL INFORMATION
IN ADDITION TO THE INFORMATION NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING:

CONSTRUCTION
EXCAVATIONS IN CONTAMINATED GROUND
FINAL CONNECTION TO LIVE SEWER

WARRANTY/CLAIMING INFORMATION
HYDRO-BRAKE FLOW CONTROL DEVICE
ATTENUATION TANK
RAINFALL HARVESTING TANK EQUIPMENT

RECOMMENDATIONS/NOTES
NO UNUSUAL RISKS

- Notes
- THIS DRAWING REFERENCE FOLLOWING INFORMATION:
 - FORPULUS ARCHITECT - LEVEL 00 RECEIVED ON THE 02.11.21
 - CCTV SURVEY FROM SURVEY OPERATIONS REFERENCE 190065 A RECEIVED ON THE 12.09.2019
 - ALL INTERNAL MANHOLES TO HAVE DOUBLE SEALED COVERS
 - FOR PODIUM LEVEL SURFACE WATER DRAINAGE REFER TO DRAWING BRA-BHE-XX-01-DR-C-0301
 - ALL PIPES TO BE 150mm UNLESS SHOWN OTHERWISE ON THE DRAWING
 - ALL STACK CONNECTIONS START INVERT LEVELS TO BE SET AT 500mm BELOW FFL UNLESS SHOWN OTHERWISE ON THE DRAWING
 - FOR HIGHWAY DRAINAGE REFER TO DRAWING BRA-BHE-XX-XX-DR-C-0310
 - FOR ABOVE GROUND DRAINAGE REFER TO SES ENGINEERING DRAWINGS
 - FOR LONG SECTIONS REFER TO DRAWINGS BRA-BHE-XX-XX-DR-C-0302 SERIES
 - FOR MANHOLE & PIPE SCHEDULE REFER TO DRAWING: BRA-BHE-XX-XX-DR-C-0301
 - FOR CORES PIPE DIAMETERS AND LEVELS REFER TO BH CORE SKETCHES

- LEGEND**
- LAND OWNERSHIP BOUNDARY
 - - - PLANNING APPLICATION BOUNDARY
 - - - PROPOSED SURFACE WATER DRAINAGE & MANHOLE
 - - - PROPOSED SURFACE WATER CHANNEL DRAIN ACO MULTIRAM M1000 D10 CHANNEL BRICKSLOT WITH OUTLETS
 - PROPOSED SURFACE WATER ATTENUATION TANK
 - EXISTING SURFACE WATER DRAINAGE
 - EXISTING GAS MAIN
 - INDICATIVE RISING MAIN
 - HV AS BUILT

THRESHOLD CONNECTIONS FROM PODIUM LEVEL TO BE COORDINATED WITH THE MEP ENGINEER, CONTRACTOR TO MAKE ALLOWANCE FOR EXTRA PIPE LENGTHS

CR01 CR	A/JH	29.04.24	CONSTRUCTION RECORD
C18	OR	A/JH	13.11.23 A4 AUTHORISED AND ACCEPTED
C17	SG	A/JH	27.06.23 A4 AUTHORISED AND ACCEPTED
C16	SG	A/JH	12.05.23 A4 AUTHORISED AND ACCEPTED
C15	FD	A/JH	30.06.22 A4 AUTHORISED AND ACCEPTED
C14	FD	A/JH	23.02.22 A4 AUTHORISED AND ACCEPTED
C13	FD	A/JH	24.01.22 A4 AUTHORISED AND ACCEPTED
C12	FD	A/JH	06.01.22 A4 AUTHORISED AND ACCEPTED
C11	FD	A/JH	15.11.21 A4 AUTHORISED AND ACCEPTED
C10	FD	A/JH	10.10.21 A4 AUTHORISED AND ACCEPTED
C09	FD	A/JH	30.07.21 A4 AUTHORISED AND ACCEPTED

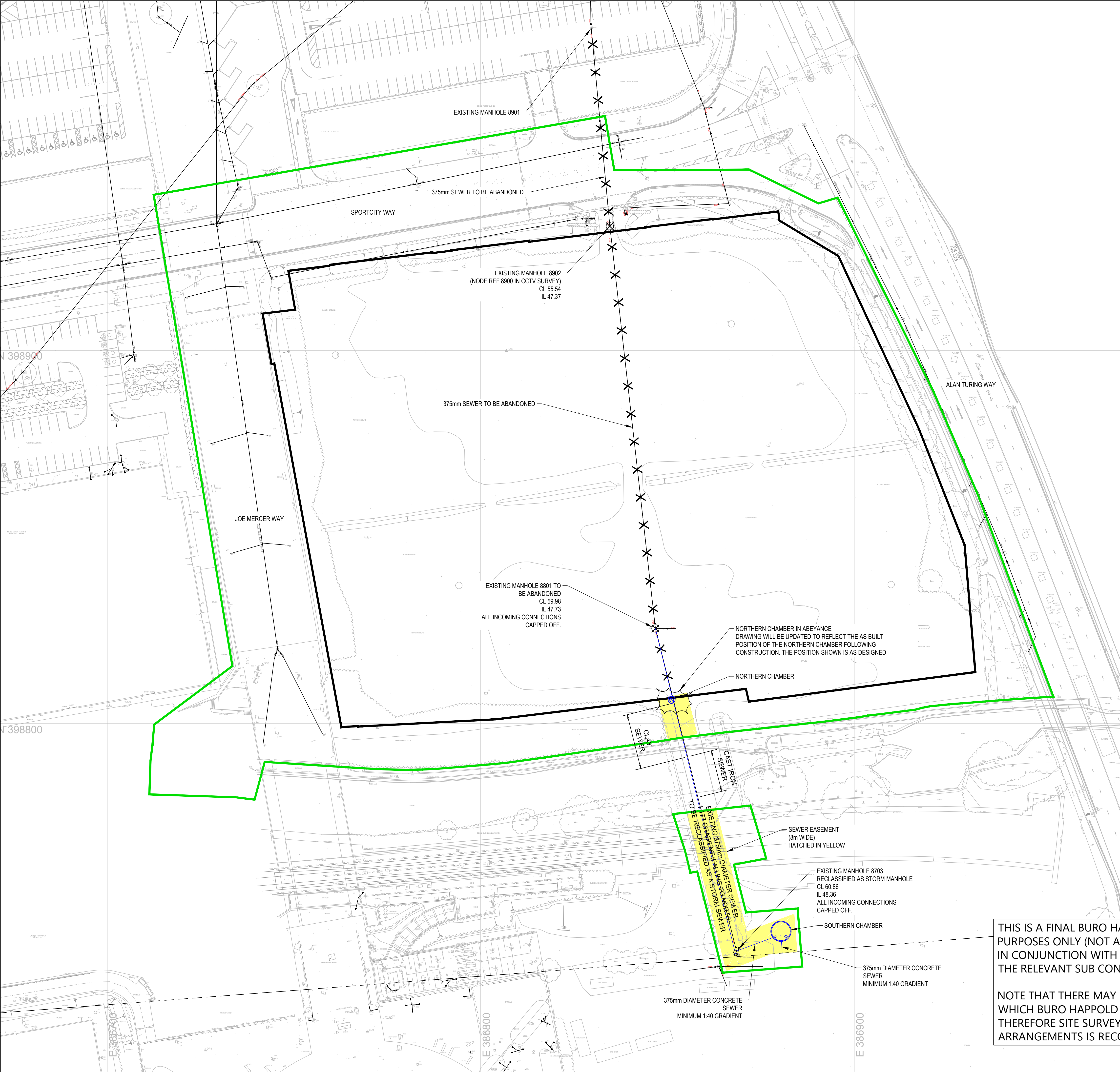


BURO HAPPOLD

Co-op Live

THE SURFACE WATER DRAINAGE BELOW GROUND GENERAL ARRANGEMENT

scale	1:250	drawn	JZ	job no.		substanty	
date	Nov-19	checked	NJH	0042841	CR		
reference	project code	original	volume	level	type	risk	number
	BRA-BHE-XX-XX-DR-C-0301						CR01



LEGEND

- EXISTING SEWER TO BE ABANDONED (ALIGNMENT FROM CCTV SURVEY)
- EXISTING MANHOLE TO BE ABANDONED (ALIGNMENT FROM CCTV SURVEY)
- EXISTING SEWER (ALIGNMENT FROM CCTV SURVEY)
- EXISTING SEWER (ALIGNMENT FROM LASER SURVEY)
- SITE BOUNDARY
- PROPOSED BUILDING EXTENT
- EASEMENT

NOTES

- THIS DRAWING IS BASED ON THE FOLLOWING INFORMATION:
 - BELOW GROUND DRAINAGE CCTV SURVEY FROM DRAIN ALERT, RECEIVED 02.04.2020 AND 04.08.2020.
 - EXTERNAL UTILITIES FROM RECORD DRAWINGS, CAD XREF: BRA_BHE_XX_XX_M2_C_0022_EXTERNAL UTILITIES FROM RECORDS.
 - BELOW GROUND UTILITIES SURVEY REF: 0819-SSL-12618FINAL.
 - UNITED UTILITIES ASSET RECORDS DATED 25.11.19
 - TOPOGRAPHICAL SURVEY FROM SURVEY OPERATIONS, REF: 19D065 DATED JUNE 2019.
 - BAM LASER SURVEY, REF: TIGM OUTFALL LAYOUT.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH:
 - BRA-BHE-XX-XX-DR-C-0361 - SEWER DIVERSION LONG SECTION.
 - BRA-BHE-XX-XX-DR-C-0362 - SEWER DIVERSION SOUTHERN CHAMBER PLAN.
 - BRA-BHE-XX-XX-DR-C-0363 - SEWER DIVERSION SOUTHERN CHAMBER DETAIL.
 - BRA-BHE-XX-XX-DR-C-0364 - SEWER DIVERSION NORTHERN CHAMBER PLAN.
 - BRA-BHE-XX-XX-DR-C-0365 - SEWER DIVERSION NORTHERN CHAMBER DETAIL.
 - BRA-BHE-XX-XX-DR-C-0366 - SEWER DIVERSION EXISTING UTILITY PLAN.
- PROPOSED DIVERSION DESIGN IS SUBJECT TO UNITED UTILITIES APPROVAL.
- ALL LEVELS ARE IN METRES AND RELATE TO ORDNANCE DATUM UNLESS STATED OTHERWISE.
- DO NOT SCALE FROM THIS DRAWING.
- ALL PIPEWORK IDENTIFIED TO BE ABANDONED SHALL BE GROUTED UP.
- ALL MANHOLES IDENTIFIED TO BE ABANDONED SHALL BE GROUTED UP TO 1000mm BELOW SITE FORMATION LEVEL. THE EXTENT OF THE MANHOLE STRUCTURE ABOVE GROUTING LEVEL SHALL BE DEMOLISHED AND REMOVED FROM SITE.
- ALL WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE FOLLOWING DOCUMENTS, UNLESS SPECIFIED OTHERWISE:
 - UNITED UTILITIES STANDARD DETAILS AND SPECIFICATIONS.
 - SEWERS FOR ADOPTION 7th EDITION.
 - CIVIL ENGINEERING SPECIFICATION FOR THE WATERINDUSTRY (CESWI), 7th EDITION.
- THE CONTRACTOR IS TO CONFIRM ALL LEVELS AND SETTING OUT PRIOR TO THE COMMENCEMENT OF THE WORKS.
- THE CONTRACTOR IS TO UNDERTAKE RISK ASSESSMENTS IN LINE WITH CURRENT HEALTH AND SAFETY PROTOCOLS AND PROCEDURES.

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Work in Progress (WIP)

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CONSTRUCTION

- ALL SERVICES ARE INDICATIVE AND SHOULD BE VERIFIED PRIOR TO COMMENCEMENT OF ENABLING WORKS AND ASSUMED TO BE LIVE.
- THE CONTRACTOR IS TO CONFIRM THE GROUND CONDITIONS.
- ALLOWANCE FOR OVER PUMPING OF SEWAGE AND GROUNDWATER TO BE MADE
- DEEP EXCAVATIONS
- WORKING IN CONFINED SPACES
- FALLS FROM HEIGHT
- GROUND CONTAMINATION

MAINTENANCE/CLEANING/OPERATION

- WORKING IN CONFINED SPACES
- FALLS FROM HEIGHT

DECOMMISSIONING/DEMOLITION

- WORKING IN CONFINED SPACES
- FALLS FROM HEIGHT

Notes

CR01	CR	AJH	29.04.24	CONSTRUCTION RECORD
C01	RJL	TH	09.07.21	AS CONSTRUCTED RECORD
P06	TH	NJH	03.03.21	SITE BOUNDARY UPDATED
P05	TH	NJH	09.02.21	UPDATE IN RESPONSE TO UU ALM COMMENTS
P04	TH	NJH	19.01.21	UPDATE IN RESPONSE TO SURVEY
P03	TH	NJH	30.11.20	UPDATE IN RESPONSE TO UU ALM COMMENTS
P02	TH	NJH	13.11.20	UPDATE IN RESPONSE TO UU ALM COMMENTS
P01	TH	NJH	27.10.20	STAGE 4
Rev	Appr/Dm	Date	Description	



BURO HAPPOLD

Camden Mill
Lower Bristol Road
Bath BA2 3DQ
UK

Tel: +44 (0)1225 320 600
Fax: +44 (0)8707 674 148
Email: 0042841@burohappold.com
Web: www.burohappold.com

OVG Manchester

title SURFACE WATER DRAINAGE SEWER DIVERSION GENERAL ARRANGEMENT					purpose of issue RECORD	
scale 1:500	drawn TH	Job no.	Suitability			
date Oct-20	checked NJH	0042841	CR			
reference	project code	originator	volume	level	type	role number rev.
	BRA-BHE-XX-XX-DR-C-0360					
						CR01

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