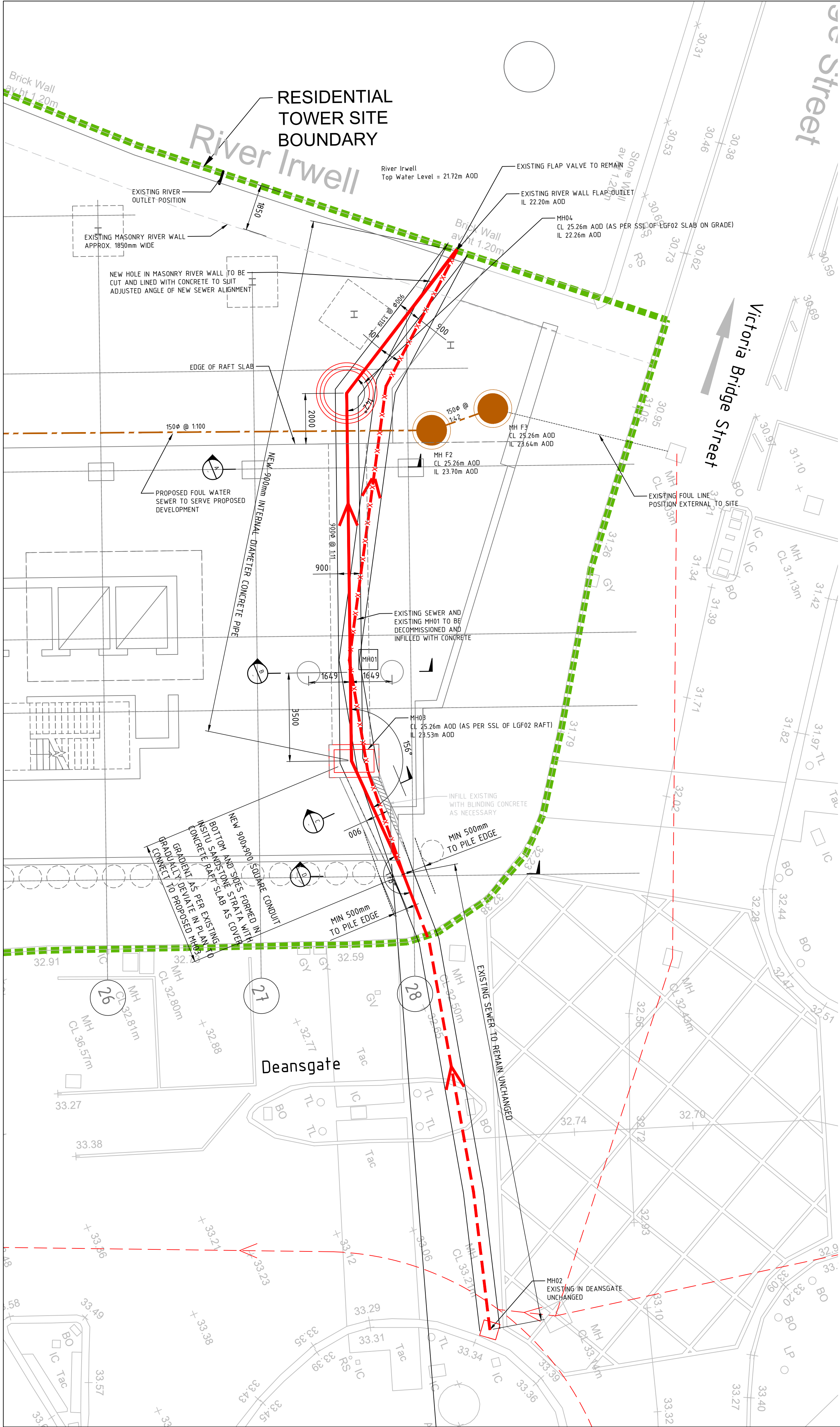


NOTES:

GENERAL NOTES

- DESIGN AND CONSTRUCTION OF PROPOSED UNITED UTILITIES SEWER OVERRUN SHALL, WHERE POSSIBLE, BE IN ACCORDANCE WITH SEWER SECTOR GUIDANCE APPENDIX C APPROVED VERSION 2.1.
- DESIGN AND CONSTRUCTION OF NEW PERMANENT WORKS SHALL ENSURE THAT NO DAMAGE TO THE EXISTING SEWER SYSTEM OUTSIDE OF THE SITE OCCURS, IN PARTICULAR THE NORTHERN SEWER OVERRUN CONNECTING INTO THE SITE. THIS IS TO BE CONFIRMED BY POST CONSTRUCTION SURVEY.
- NEW SEWER WITHIN THE SITE IS TO BE DESIGNED AND CONSTRUCTED TO ENSURE THAT IT IS NOT LOADED BY THE STRUCTURE ABOVE.
- THE CONTRACTOR IS TO COMPLY FULLY WITH THE CDM REGULATIONS IN THE COURSE OF CONSTRUCTION OF THE WORKS
- ALL LEVELS ARE IN METERS ABOVE ORDNANCE DATUM
- ALL DIMENSIONS IN MILLIMETERS UNLESS SPECIFIED OTHERWISE
- PRIOR TO CONSTRUCTION OF ANY DRAINAGE WORKS THE CONTRACTOR IS TO CONFIRM THE INVERT LEVELS OF EXISTING MANHOLES AND SEWERS. ANY VARIATIONS FROM THE DESIGNED LEVELS SHOWN ON THE DRAWINGS SHALL BE REPORTED TO THE ENGINEER IN ADVANCE OF CONSTRUCTION WORKS COMMENCING.
- ALL DRAIN AND SEWER PIPES TO BE LAID SOFFIT TO SOFFIT, UNLESS SHOWN OTHERWISE.
- CONTRACTOR TO REFER TO HEALTH & SAFETY EXECUTIVE 'NOTE 47 - AVOIDING DANGER FROM UNDERGROUND SERVICES' AND 'DOCUMENT G56 - AVOIDING DANGER FROM OVERHEAD ELECTRIC LINES'
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TRAFFIC SAFETY AND MANAGEMENT ASSOCIATED WITH THE CONSTRUCTION OF THE WORKS.

ADDITIONAL POST DEMOLITION SURVEY

- FOLLOWING DEMOLITION OF THE EXISTING STRUCTURE BY THE DEMOLITION CONTRACTOR THE EXISTING LG3 BASEMENT CARPARK SLAB OVER THE EXISTING NORTHERN SEWER OVERRUN IS TO BE REMOVED BY THE PRIMARY CONTRACTOR.
- THE POSITION OF THE EXISTING SEWER IN PLAN AND ELEVATION IS TO BE RE-SURVEYED TO CONFIRM THE POSITION PRIOR TO FINALISATION OF SHOP DRAWINGS AND FABRICATION. THIS SURVEY INFORMATION IS TO BE PROVIDED TO THE CLIENT AND ENGINEER.

UNITED UTILITIES APPROVAL

- PRIOR TO THE COMMENCEMENT OF THE CONSTRUCTION WORKS THE PRINCIPAL CONTRACTOR IS TO ENSURE THAT THE DESIGN OF THE PROPOSED SEWER AND PERMANENT STRUCTURE ABOVE HAS BEEN APPROVED BY UNITED UTILITIES AS PART OF THE ONGOING BUILD OVER APPLICATION.
- ANY DRAINAGE WORKS CONSTRUCTED PRIOR TO ISSUE OF TECHNICAL APPROVAL BY UNITED UTILITIES IS ENTIRELY AT THE RISK OF THE CONTRACTOR/CLIENT.

TEMPORARY STAGE CONSTRUCTION SEQUENCING

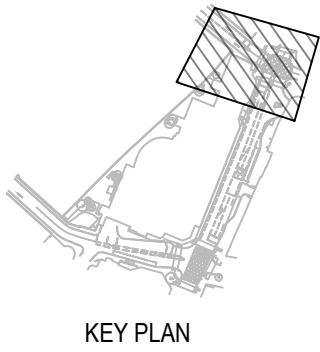
- PRIOR TO NEW CONSTRUCTION WORKS THE PRINCIPAL CONTRACTOR IS TO ENSURE THAT THE STAGED TEMPORARY SEQUENCING OF THE REMAINING DEMOLITION AND NEW BASEMENT CONSTRUCTION WORKS:
 - DOES NOT DAMAGE THE EXISTING UNITED UTILITIES SEWER SYSTEM TO BE RETAINED OUTSIDE OF THE SITE.
 - ENSURES THAT THE UNITED UTILITIES SEWER REMAINS SUFFICIENTLY SERVICEABLE (USING TEMPORARY PUMPS OR SIMILAR) DURING STAGED DEMOLITION OF THE EXISTING SEWER AND CONSTRUCTION OF THE NEW SEWER.
 - ANY TEMPORARY OUTLETS INTO THE RIVER DURING CONSTRUCTION WORKS TO BE APPROVED BY MANCHESTER SHIP CANAL AND THE MANCHESTER LEAD LOCAL FLOOD AUTHORITY.

SURVEY DURING CONSTRUCTION

- DURING CONSTRUCTION STAGED PROGRESS PHOTOS AND/OR AS-BUILT DRAWINGS OF THE NEW SEWER ARE TO BE TAKEN AND COMPILED BY THE PRINCIPAL CONTRACTOR IN ORDER TO CREATE AN AS-BUILT DOCUMENT.

SURVEY POST CONSTRUCTION

- AFTER CONSTRUCTION OF THE PERMANENT RESIDENTIAL TOWER, CONDITION OF THE NEWLY CONSTRUCTED AND EXISTING UNITED UTILITIES SEWER OVERRUN OUTSIDE OF THE SITE IS TO BE CCTV SURVEYED BY THE PRINCIPAL CONTRACTOR TO ENSURE THAT NO DAMAGE HAS OCCURRED AND TO PROVIDE INFORMATION FOR AN AS-BUILT DOCUMENT.



NOTES:

- REFER TO SPECIFIC UNITED UTILITIES NORTHERN SEWER BUILD OVER NOTES ON DRAWING REN-BGE-C-GEN-035. THIS INCLUDES REQUIREMENTS FOR:
 - ADDITIONAL POST DEMOLITION SURVEY;
 - UNITED UTILITIES APPROVAL;
 - TEMPORARY STAGE CONSTRUCTION SEQUENCING;
 - SURVEY DURING CONSTRUCTION;
 - SURVEY POST CONSTRUCTION;
- REFER TO GENERAL CIVIL NOTES DRAWING REN-BGE-C-GEN-005.
- THE COMPLETENESS OF THE UNDERGROUND SERVICE INFORMATION IS BASED ON CURRENT INFORMATION AND SURVEYS AND CANNOT BE GUARANTEED.
- TOPOGRAPHIC SURVEY AS PER ZS SURVEYS DRAWING:
 - AAP - Deansgate - Manchester - Topo - 2074 RECEIVED 03/02/2021.
- EXISTING STRUCTURE PLAN SURVEYS AS PER ZS SURVEYS DRAWINGS:
 - AAP - Deansgate, Manchester 2074_3-MBS RECEIVED 07/10/2021.
- UNITED UTILITIES SITE ADJACENT SEWER POSITIONS BASED ON THE FOLLOWING INFORMATION:
 - UNITED UTILITIES SEWER RECORDS UU - 250037-19-02-2021-02-39-22 DATED 19/02/2021.
 - TEAM DRAINAGE CCTV SURVEY MH CARD 7802 Deansgate Manchester RECEIVED 28/07/2021.
- UNITED UTILITIES EXISTING SEWER OVERRUN POSITION BASED ON THE FOLLOWING INFORMATION:
 - UNITED UTILITIES SEWER RECORDS UU - 250037-19-02-2021-02-39-22 DATED 19/02/2021.
 - TEAM DRAINAGE CCTV SURVEY Blackfriar Street MCR 4_11 DATED 05/11/2021.
 - SURVEY SOLUTIONS LOCAL BREAKOUT AND POSITION SURVEY 38738MCLS-01 RECEIVED 21/12/2021.

LEGEND

- EXISTING
- PROPOSED PVC DRAINAGE PIPES
 - EXISTING FOUL WATER DRAINAGE
 - EXISTING UU SEWER
 - EXISTING RAIN WATER DRAINAGE TO BE DEMOLISHED/DECOMMISSIONED
 - EXISTING FOUL WATER DRAINAGE TO BE DEMOLISHED/DECOMMISSIONED
 - EXISTING UU SEWER TO BE DEMOLISHED/DECOMMISSIONED
 - PROPOSED SURFACE WATER CHANNEL DRAINS
 - PROPOSED FOUL WATER DRAINAGE
 - PROPOSED UU SEWER
 - DEMOLITION LINE
 - SITE PLANNING BOUNDARY

REV	DATE	DESCRIPTION	RVD
PD2	16.08.2022	ISSUED TO UNITED UTILITIES	EG
PD1	08.06.2022	UPDATED PILE POSITIONS	LK
PD0	14.02.2022	ISSUED FOR STAGE 2 TENDER	DF(CE)

REVISIONS

CLIENT

PROPERTY ALLIANCE GROUP LTD

ALLIANCE

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BG & E

PROJECT

RENAISSANCE

CIVIL

GENERAL

STATUS

ISSUED FOR INFORMATION

NOT TO BE ISSUED FOR CONSTRUCTION

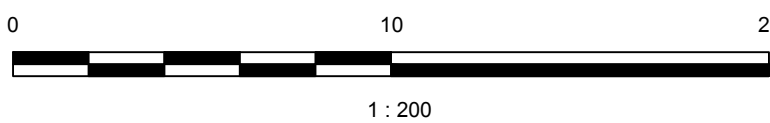
DRAWN	DESIGNED	CHECKED	APPROVED
PB	JP(CE)	DF(CE)	LJK

DATUM	GRID	SCALE	1:200	AT A3 SIZE
OSGB36	BNG			

TITLE

UNITED UTILITIES - PROPOSED NORTHERN SEWER OVERRUN BUILD OVER - SHEET 1

PROJECT No.	DRAWING No.	REV
L20081	REN-BGE-C-GEN-035	P02



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