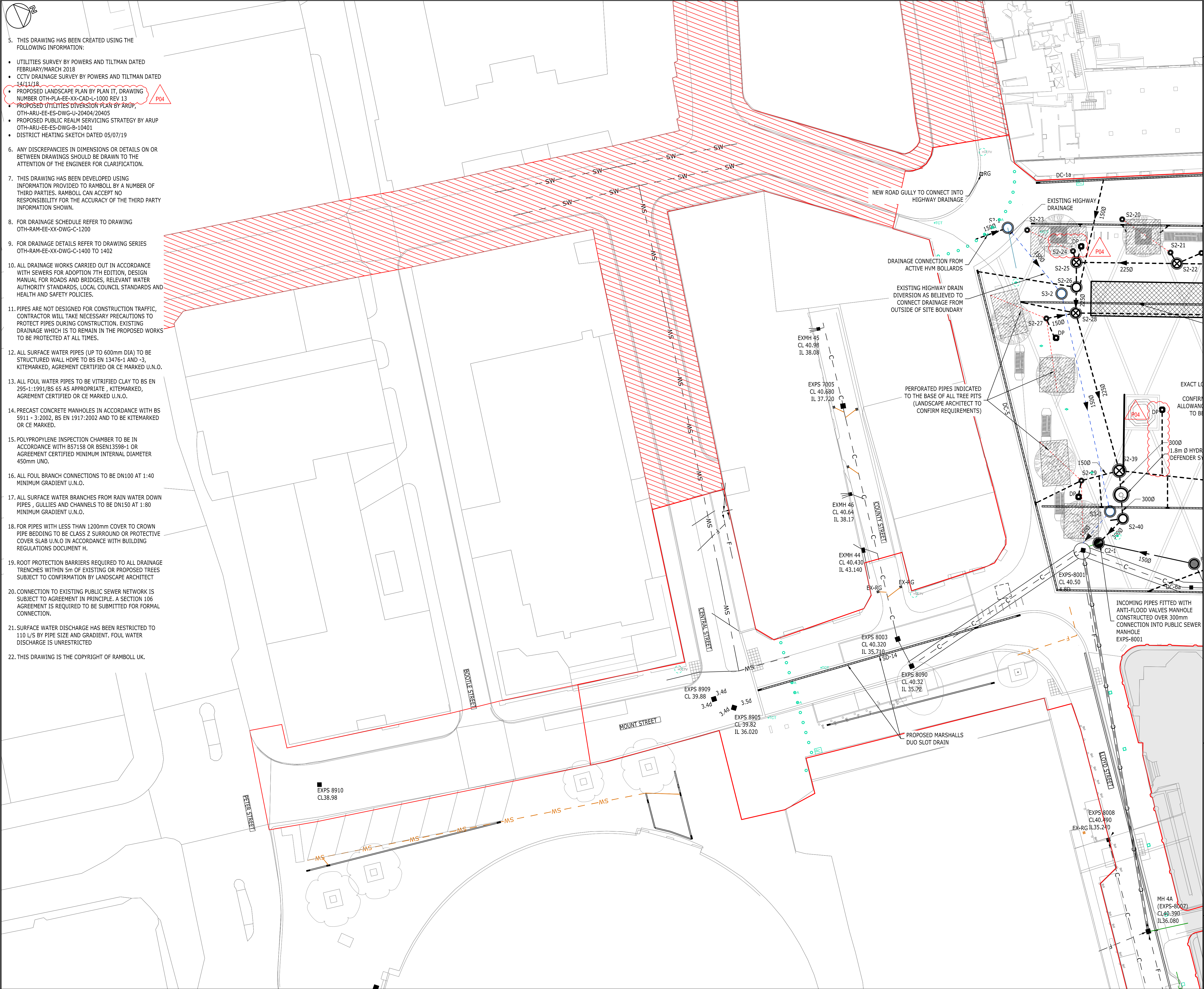
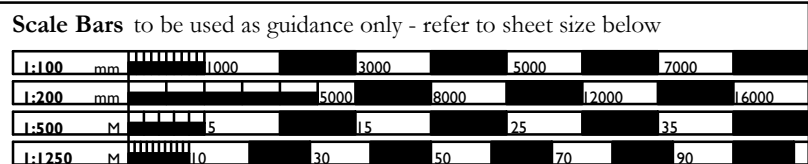


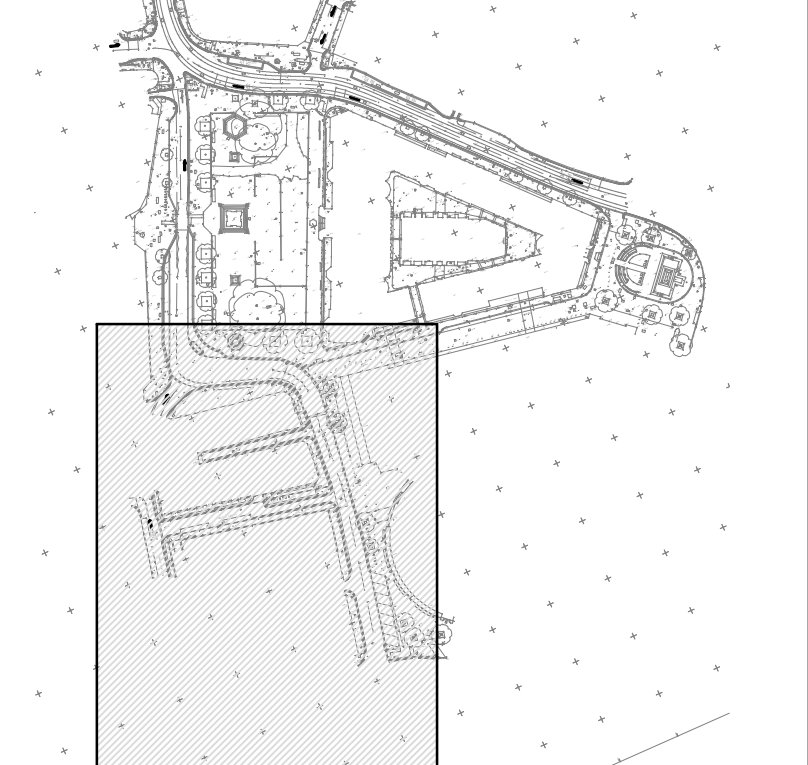


5. THIS DRAWING HAS BEEN CREATED USING THE FOLLOWING INFORMATION:
- UTILITIES SURVEY BY POWERS AND TILTMAN DATED FEBRUARY/MARCH 2018
 - CCTV DRAINAGE SURVEY BY POWERS AND TILTMAN DATED 14/11/18
 - PROPOSED LANDSCAPE PLAN BY PLAN IT, DRAWING NUMBER OTH-PLA-EE-XX-CAD-L-1000 REV 13
 - PROPOSED UTILITIES DIVERSION PLAN BY ARUP, OTH-ARU-EE-ES-DWG-U-20404/20405
 - PROPOSED PUBLIC REALM SERVICING STRATEGY BY ARUP OTH-ARU-EE-ES-DWG-B-10401
 - DISTRICT HEATING SKETCH DATED 05/07/19
6. ANY DISCREPANCIES IN DIMENSIONS OR DETAILS ON OR BETWEEN DRAWINGS SHOULD BE DRAWN TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION.
7. THIS DRAWING HAS BEEN DEVELOPED USING INFORMATION PROVIDED TO RAMBOLL BY A NUMBER OF THIRD PARTIES. RAMBOLL CAN ACCEPT NO RESPONSIBILITY FOR THE ACCURACY OF THE THIRD PARTY INFORMATION SHOWN.
8. FOR DRAINAGE SCHEDULE REFER TO DRAWING OTH-RAM-EE-XX-DWG-C-1200
9. FOR DRAINAGE DETAILS REFER TO DRAWING SERIES OTH-RAM-EE-XX-DWG-C-1400 TO 1402
10. ALL DRAINAGE WORKS CARRIED OUT IN ACCORDANCE WITH SEWERS FOR ADOPTION 7TH EDITION, DESIGN MANUAL FOR ROADS AND BRIDGES, RELEVANT WATER AUTHORITY STANDARDS, LOCAL COUNCIL STANDARDS AND HEALTH AND SAFETY POLICIES.
11. PIPES ARE NOT DESIGNED FOR CONSTRUCTION TRAFFIC, CONTRACTOR WILL TAKE NECESSARY PRECAUTIONS TO PROTECT PIPES DURING CONSTRUCTION. EXISTING DRAINAGE WHICH IS TO REMAIN IN THE PROPOSED WORKS TO BE PROTECTED AT ALL TIMES.
12. ALL SURFACE WATER PIPES (UP TO 600mm DIA) TO BE STRUCTURED WALL HDPE TO BS EN 13476-1 AND -3, KITEMARKED, AGREEMENT CERTIFIED OR CE MARKED U.N.O.
13. ALL FOUL WATER PIPES TO BE VITRIFIED CLAY TO BS EN 295-1:1991/BS 65 AS APPROPRIATE, KITEMARKED, AGREEMENT CERTIFIED OR CE MARKED U.N.O.
14. PRECAST CONCRETE MANHOLES IN ACCORDANCE WITH BS 5911 - 3:2002, BS EN 1917:2002 AND TO BE KITEMARKED OR CE MARKED.
15. POLYPROPYLENE INSPECTION CHAMBER TO BE IN ACCORDANCE WITH B57158 OR BSEN13598-1 OR AGREEMENT CERTIFIED MINIMUM INTERNAL DIAMETER 450mm UNO.
16. ALL FOUL BRANCH CONNECTIONS TO BE DN100 AT 1:40 MINIMUM GRADIENT U.N.O.
17. ALL SURFACE WATER BRANCHES FROM RAIN WATER DOWN PIPES, GULLIES AND CHANNELS TO BE DN150 AT 1:80 MINIMUM GRADIENT U.N.O.
18. FOR PIPES WITH LESS THAN 1200mm COVER TO CROWN PIPE BEDDING TO BE CLASS Z SURROUND OR PROTECTIVE COVER SLAB U.N.O IN ACCORDANCE WITH BUILDING REGULATIONS DOCUMENT H.
19. ROOT PROTECTION BARRIERS REQUIRED TO ALL DRAINAGE TRENCHES WITHIN 5m OF EXISTING OR PROPOSED TREES SUBJECT TO CONFIRMATION BY LANDSCAPE ARCHITECT
20. CONNECTION TO EXISTING PUBLIC SEWER NETWORK IS SUBJECT TO AGREEMENT IN PRINCIPLE. A SECTION 106 AGREEMENT IS REQUIRED TO BE SUBMITTED FOR FORMAL CONNECTION.
21. SURFACE WATER DISCHARGE HAS BEEN RESTRICTED TO 110 L/S BY PIPE SIZE AND GRADIENT. FOUL WATER DISCHARGE IS UNRESTRICTED
22. THIS DRAWING IS THE COPYRIGHT OF RAMBOLL UK.



1. DO NOT SCALE FROM THIS DRAWING
2. ALL DIMENSIONS ARE MILLIMETERS U.N.O
3. ALL LEVELS ARE IN METERS ABOVE ORDNANCE DATUM U.N.O
4. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECT AND ENGINEERS DRAWINGS AND SPECIFICATIONS
- IF ANY INFORMATION WITHIN THESE DRAWINGS CHANGES THE BELOW GROUND DRAINAGE IS ALSO SUBJECT TO CHANGE

- KEY
- EXISTING PUBLIC COMBINED DRAIN/ MANHOLE — C —
 - EXISTING PUBLIC FOUL DRAIN/ MANHOLE — F —
 - EXISTING PUBLIC SURFACE WATER DRAIN/MANHOLE — SW —
 - EXISTING PRIVATE FOUL DRAIN/ MANHOLE — F —
 - EXISTING ROAD GULLY — EX-RG
 - PROPOSED DRAW PIT LOCATION REF C AND D, REQUIRING DRAINAGE — DP
 - PROPOSED FOUL WATER DRAIN/CONCRETE MANHOLE — —
 - PROPOSED SURFACE WATER DRAIN/CONCRETE MANHOLE — —
 - PROPOSED SURFACE WATER POLY PROPYLENE INSPECTION CHAMBER — —
 - PERFORATED PIPES TO BASE OF TREE PITS — —
 - PROPOSED ROAD GULLY — RG
 - PROPOSED DRAINAGE CHANNEL / SLOT DRAIN WITH SUMP AND ACCESS UNIT — DC / SD
 - PROPOSED ATTENUATION — —
 - PROPOSED TREE PIT — —



P04	05/09/2019	LS	SG	STAGE 4 ISSUE	SEE REVISION CLOUDS
P03	26/07/2019	LS	SG	STAGE 4 ISSUE	SEE REVISION CLOUDS
ISSUE	DATE	APPROVED	DRAWN	DESCRIPTION	

OUR TOWN HALL PROJECT

RAMBOLL

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PROJECT STATUS	STAGE 4
CLIENT	MANCHESTER CITY COUNCIL
PROJECT	OUR TOWN HALL PROJECT
DRAWING TITLE	TOWN HALL EXTERNALS PROPOSED DRAINAGE SHEET 3 OF 3
SIZE & SCALE	A1: 1:250
DRAWING STATUS	D2 - FOR TENDER
JOB NUMBER	1620003165

DRAWING NO.	REV
OTH-RAM-EE-XX-DWG-C-1102	P04