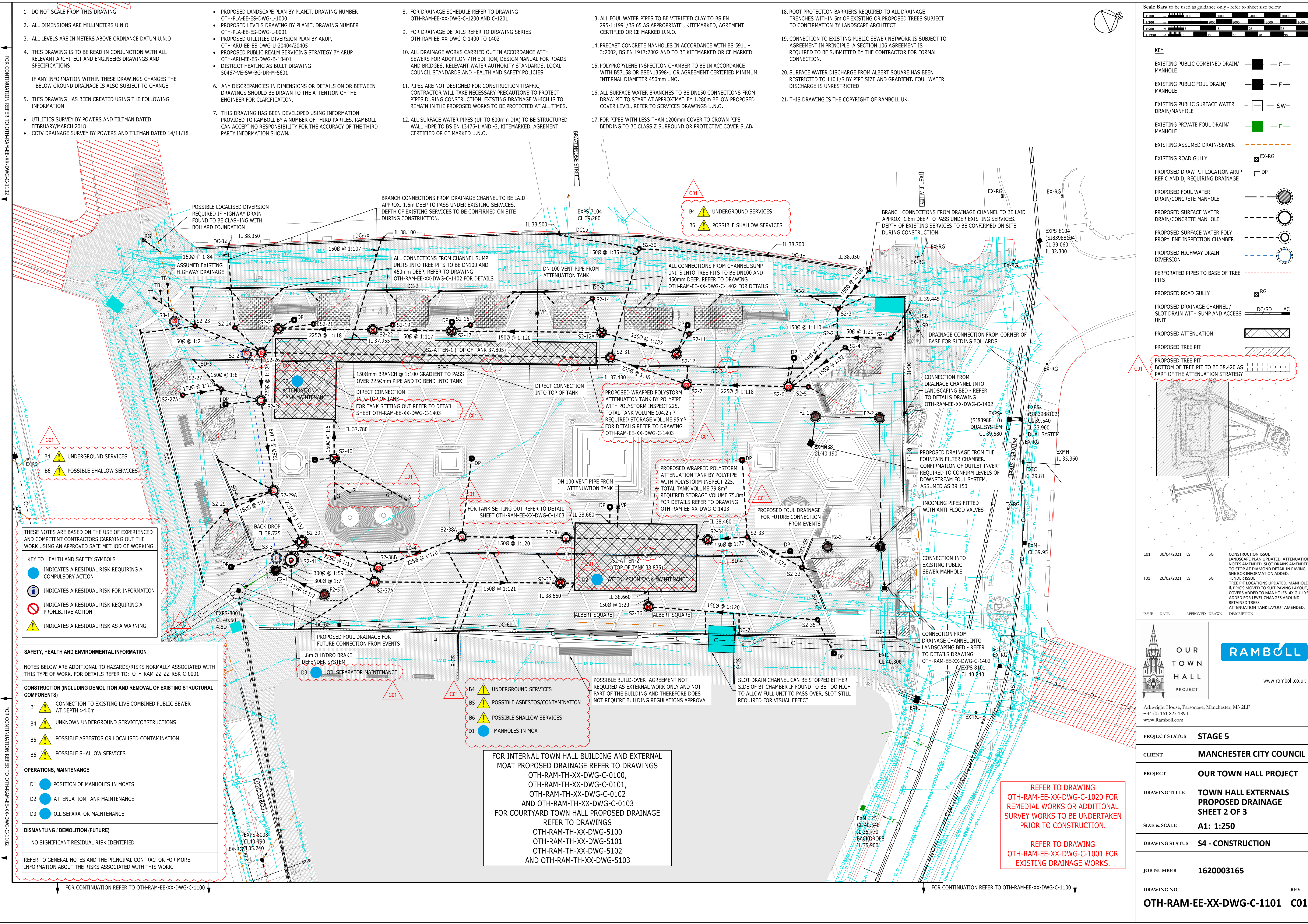




- 1. DO NOT SCALE FROM THIS DRAWING
- 2. ALL DIMENSIONS ARE MILLIMETERS U.N.O
- 3. ALL LEVELS ARE IN METERS ABOVE ORDNANCE DATUM U.N.O
- 4. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECT AND ENGINEERS DRAWINGS AND SPECIFICATIONS
- IF ANY INFORMATION WITHIN THESE DRAWINGS CHANGES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

- 6. PROPOSED LANDSCAPE PLAN BY PLANIT, DRAWING NUMBER OTH-PLA-EE-ES-DWG-L-1000
- 7. PROPOSED LEVELS DRAWING BY PLANIT, DRAWING NUMBER OTH-PLA-EE-ES-DWG-L-0001
- 8. PROPOSED UTILITIES DIVERSION PLAN BY ARUP, OTH-ARU-EE-ES-DWG-U-20404/20405
- 9. PROPOSED PUBLIC REALM SERVICING STRATEGY BY ARUP OTH-ARU-EE-ES-DWG-B-10401
- 10. DISTRICT HEATING AS BUILT DRAWING 50467-VE-SW-BG-DR-M-5601
- 11. ANY DISCREPANCIES IN DIMENSIONS OR DETAILS ON OR BETWEEN DRAWINGS SHOULD BE DRAWN TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION.
- 12. 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.
- 13. FOR DRAINAGE SCHEDULE REFER TO DRAWING OTH-RAM-EE-XX-DWG-C-1200 AND C-1201
- 14. FOR DRAINAGE DETAILS REFER TO DRAWING SERIES OTH-RAM-EE-XX-DWG-C-1400 TO 1402
- 15. 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.
- 16. 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.
- 17. 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.
- 18. ROOT PROTECTION BARRIERS REQUIRED TO ALL DRAINAGE TRENCHES WITHIN 5m OF EXISTING OR PROPOSED TREES SUBJECT TO CONFIRMATION BY LANDSCAPE ARCHITECT
- 19. CONNECTION TO EXISTING PUBLIC SEWER NETWORK IS SUBJECT TO AGREEMENT IN PRINCIPLE. A SECTION 106 AGREEMENT IS REQUIRED TO BE SUBMITTED BY THE CONTRACTOR FOR FORMAL CONNECTION.
- 20. SURFACE WATER DISCHARGE FROM ALBERT SQUARE HAS BEEN RESTRICTED TO 110 L/S BY PIPE SIZE AND GRADIENT. FOUL WATER DISCHARGE IS UNRESTRICTED
- 21. THIS DRAWING IS THE COPYRIGHT OF RAMBOLL UK.

Scale Bars to be used as guidance only - refer to sheet size below

1:100	1:200	1:500	1:1000	1:2000	1:5000	1:10000
1:500	1:1000	1:2000	1:5000	1:10000	1:20000	1:50000
1:1250	1:2500	1:5000	1:10000	1:20000	1:50000	1:100000

KEY

- EXISTING PUBLIC COMBINED DRAIN/ MANHOLE
- EXISTING PUBLIC FOUL DRAIN/ MANHOLE
- EXISTING PUBLIC SURFACE WATER DRAIN/ MANHOLE
- EXISTING PRIVATE FOUL DRAIN/ MANHOLE
- EXISTING ASSUMED DRAIN/SEWER
- EXISTING ROAD GULLY
- PROPOSED DRAW PIT LOCATION ARUP REF C AND D, REQUIRING DRAINAGE
- PROPOSED FOUL WATER DRAIN/CONCRETE MANHOLE
- PROPOSED SURFACE WATER DRAIN/CONCRETE MANHOLE
- PROPOSED SURFACE WATER POLY PROPYLENE INSPECTION CHAMBER
- PROPOSED HIGHWAY DRAIN DIVERSION
- PERFORATED PIPES TO BASE OF TREE PITS
- PROPOSED ROAD GULLY
- PROPOSED DRAINAGE CHANNEL / SLOT DRAIN WITH SUMP AND ACCESS UNIT
- PROPOSED ATTENUATION
- PROPOSED TREE PIT
- PROPOSED TREE PIT BOTTOM OF TREE PIT TO BE 38.420 AS PART OF THE ATTENUATION STRATEGY

CONSTRUCTION ISSUE

LANDSCAPE PLAN UPDATED. ATTENUATION NOTES AMENDED. SLOT DRAIN AMENDED TO STOP AT DIAMOND DETAIL IN PAVING. SHE BOX INFORMATION ADDED.

TENDER ISSUE

TREE PIT LOCATIONS UPDATED, MANHOLES & PIPES MOVED TO SUIT PAVING LAYOUT, COVERS ADDED TO MANHOLES. 4X GULLIES ADDED FOR LEVEL CHANGES AROUND RETAINED TREES

ATTENUATION TANK LAYOUT AMENDED.

ISSUE	DATE	APPROVED	DRAWN	DESCRIPTION
C01	30/04/2021	LS	SG	
T01	26/02/2021	LS	SG	

OUR TOWN HALL PROJECT

RAMBOLL

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www.Ramboll.com

PROJECT STATUS

STAGE 5

CLIENT

MANCHESTER CITY COUNCIL

PROJECT

OUR TOWN HALL PROJECT

DRAWING TITLE

TOWN HALL EXTERNALS PROPOSED DRAINAGE SHEET 2 OF 3

SIZE & SCALE

A1: 1:250

DRAWING STATUS

S4 - CONSTRUCTION

JOB NUMBER

1620003165

DRAWING NO.

OTH-RAM-EE-XX-DWG-C-1101

REV

C01

FOR CONTINUATION REFER TO OTH-RAM-EE-XX-DWG-C-1102

FOR CONTINUATION REFER TO OTH-RAM-EE-XX-DWG-C-1100

FOR CONTINUATION REFER TO OTH-RAM-EE-XX-DWG-C-1100

REFER TO DRAWING OTH-RAM-EE-XX-DWG-C-1020 FOR REMEDIAL WORKS OR ADDITIONAL SURVEY WORKS TO BE UNDERTAKEN PRIOR TO CONSTRUCTION.

REFER TO DRAWING OTH-RAM-EE-XX-DWG-C-1001 FOR EXISTING DRAINAGE WORKS.

FOR INTERNAL TOWN HALL BUILDING AND EXTERNAL MOAT PROPOSED DRAINAGE REFER TO DRAWINGS OTH-RAM-TH-XX-DWG-C-0100, OTH-RAM-TH-XX-DWG-C-0101, OTH-RAM-TH-XX-DWG-C-0102 AND OTH-RAM-TH-XX-DWG-C-0103

FOR COURTYARD TOWN HALL PROPOSED DRAINAGE REFER TO DRAWINGS OTH-RAM-TH-XX-DWG-5100 OTH-RAM-TH-XX-DWG-5101 OTH-RAM-TH-XX-DWG-5102 AND OTH-RAM-TH-XX-DWG-5103