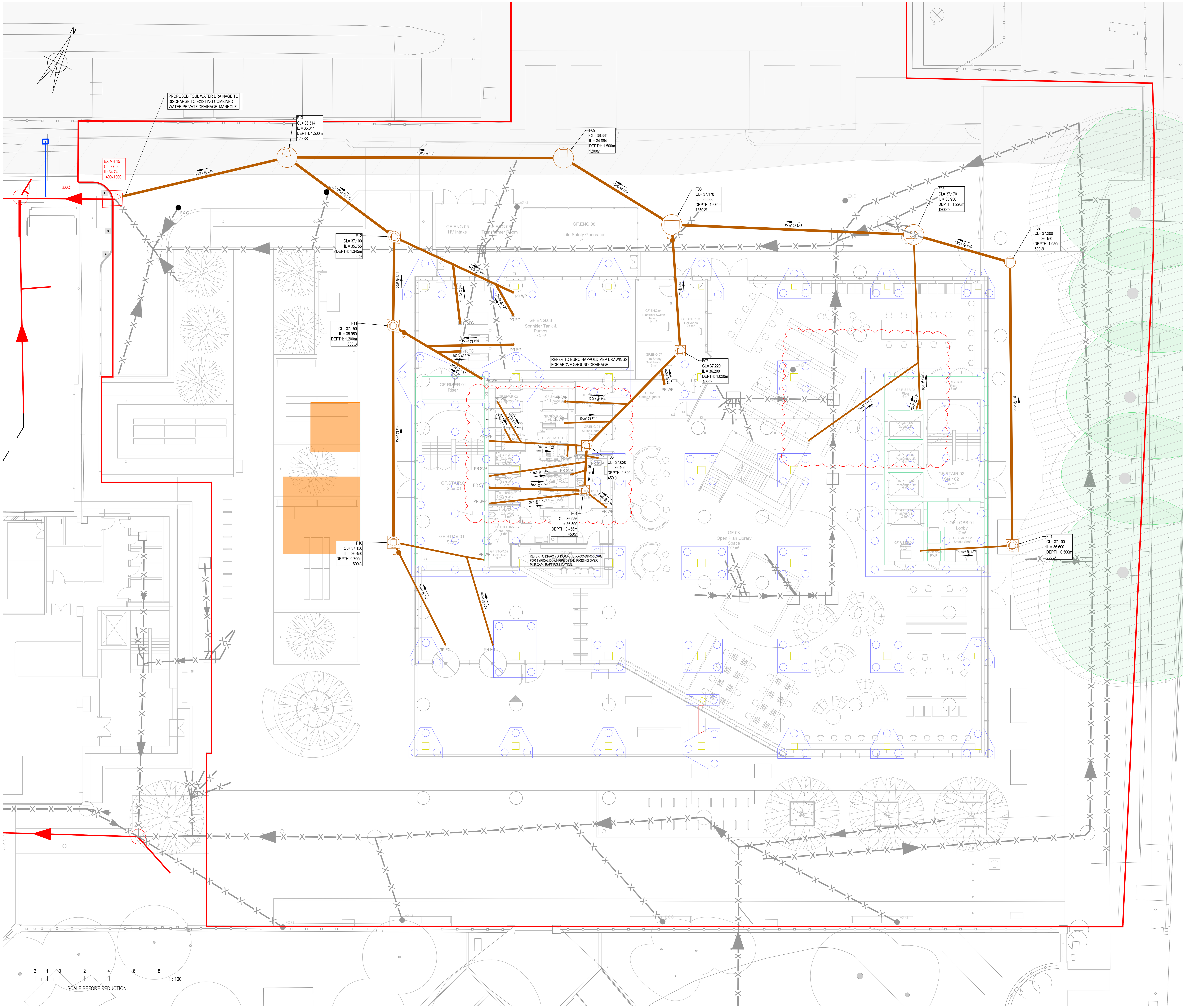


LEGEND

- RED LINE BOUNDARY
- EXISTING TREE ROOT PROTECTION ZONE
- EXISTING TREE CANOPY
- MANCUNIAN WAY ELEVATED CARRIAGEWAY
- ELEVATED CARRIAGEWAY NO DIG ZONE (INDICATIVE)
- EXISTING PRIVATE SURFACE WATER DRAIN
- EXISTING PRIVATE COMBINED WATER DRAIN
- EXISTING LINEAR CHANNEL DRAIN
- EXISTING DRAINAGE TO BE ABANDONED
- PROPOSED PRIVATE FOUL WATER DRAINAGE
- PR SVP / WP / FG — PROPOSED SOIL VENT PIPE / WASTE PIPE / FLOOR GULLY AND BELOW GROUND DRAIN
- PROPOSED FOUNDATIONS (REFER TO STRUCTURAL ENGINEERS DRAWINGS)
- ASSUMED PROPOSED CRANE AND BOOM BASE

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DO NOT SCALE THIS DRAWING.

HEALTH AND SAFETY INFORMATION

IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING

CONSTRUCTION.
- WORKS UNDER MANCUNIAN WAY ELEVATED CARRIAGEWAY AND IN CLOSE PROXIMITY TO FOUNDATIONS
- WORKS IN PROXIMITY TO LIVE SERVICES
- WORKS INTERFACE WITH THE PUBLIC ON OXFORD ROAD AND STUDENTS USING THE SURROUNDING FACILITIES DURING CONSTRUCTION

MAINTENANCE/CLEANING/OPERATION.
- WORKS IN PROXIMITY TO LIVE SERVICES
- WORKS INTERFACE WITH THE PUBLIC ON OXFORD ROAD AND STUDENTS USING THE SURROUNDING FACILITIES DURING CONSTRUCTION

DECOMMISSIONING/DEMOLITION.
- WORKS IN PROXIMITY TO LIVE SERVICES
- WORKS INTERFACE WITH THE PUBLIC ON OXFORD ROAD AND STUDENTS USING THE SURROUNDING FACILITIES DURING CONSTRUCTION

GENERAL NOTES:

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
2. THE DESIGN OF THIS SCHEME HAS BEEN BASED ON THE FOLLOWING DRAWINGS AND INFORMATION:
   - TOPOGRAPHICAL SURVEY DRAWING No. 20A265 RECEIVED MARCH 2020, BY SURVEY OPERATIONS
   - GPR SURVEY DRAWING REFERENCE S24432-U RECEIVED JULY 2023 BY SURVEY & ENGINEERING PROJECTS.
   - ARCHITECT'S PROPOSED GROUND FLOOR PLAN DRAWING No. 1350B-HBA-XX-00-DR-A-200100 RECEIVED 18.03.26, BY HAWKINS BROWN
   - TREE CONSTRAINTS PLAN DRAWING No. TR-01 RECEIVED 04.02.19, BY PLANIT-IE
   - LANDSCAPE ARCHITECT PROPOSED GENERAL ARRANGEMENT PLAN DRAWING No. 1350B-PLA-XX-XX-DR-L-000001 RECEIVED 23.04.26, BY PLANIT-IE
   - LANDSCAPE ARCHITECT PROPOSED LEVELS & DRAINAGE DRAWING No. 1350B-PLA-XX-XX-DR-L-003001 RECEIVED 23.04.26, BY PLANIT-IE
   - CRANE BASE AND BOOM BASE LOCATION AND EXTENTS BASED ON INFORMATION PROVIDED BY KIER CONTRACTORS.
3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS, DETAILS AND SPECIFICATIONS.
4. ALL ABOVE GROUND RAINWATER AND SANITARY PIPEWORK IS SHOWN INDICATIVELY. REFERENCE SHOULD BE MADE TO MEP DESIGN DRAWINGS FOR ALL ABOVE GROUND DRAINAGE APPARATUS.
5. PROPOSED DRAINAGE HAS BEEN COORDINATED WITH EXISTING UTILITIES AS FAR AS PRACTICABLE WITH THE INFORMATION AVAILABLE. CONTRACTOR TO UNDERTAKE UP-TO-DATE SURVEY TO IDENTIFY EXISTING UTILITIES WHICH HAVE BEEN INSTALLED FOLLOWING THE PREVIOUS GPR SURVEY.
6. PROPOSED DRAINAGE HAS BEEN COORDINATED WITH PROPOSED AND EXISTING FOUNDATIONS AS FAR AS PRACTICABLE. CONTRACTOR TO CONFIRM EXISTING FOUNDATIONS ON SITE.
7. PROPOSED CRANE BASE AND BOOM BASE LOCATION HAS BEEN ASSUMED BASED ON INFORMATION BY KIER CONTRACTORS. KIER TO CONFIRM SETTING OUT INFORMATION AND DIMENSIONS OF CRANE BASE AND BOOM BASE.
8. REFER TO LANDSCAPE, STRUCTURAL AND MEP SPECIFICATIONS FOR ASSOCIATED DETAILS.
9. ALL PIPEWORK TO BE 100mm DIAMETER UNLESS OTHERWISE STATED. MINIMUM GRADIENT 1:40 UNLESS OTHERWISE STATED.
10. ALL INTERNAL INSPECTION CHAMBERS GREATER THAN 1.2m DEPTH TO BE FITTED WITH RESTRICTED ACCESS REDUCER SUCH AS POLYPIPE UG514 OR EQUIVALENT APPROVED.
11. PRIOR TO THE COMMENCEMENT OF WORK THE LOCATION, SIZE AND DEPTH OF ALL EXISTING DRAINS/SEWERS AND SERVICES SHALL BE ESTABLISHED BY THE CONTRACTOR. ANY DISCREPANCIES FROM THE INFORMATION INDICATED ON THESE DRAWINGS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR ENGINEER.
12. THE CONTRACTOR SHALL ALLOW FOR THE PROTECTION, TEMPORARY AND PERMANENT SUPPORT AND DIVERSION WORKS AS NECESSARY, TO ALL EXISTING SERVICES TO THE SATISFACTION OF THE PUBLIC UTILITIES.
13. ANY DRAINAGE TO BE ABANDONED SHALL BE DONE IN ACCORDANCE WITH MCHW CC 500 - DRAINAGE DOCUMENT.
14. DRAINAGE TO BE ABANDONED MUST BE PROVEN TO BE NOT IN USE BEFORE BEING ABANDONED. IF FOUND TO BE LIVE, CONTRACTOR WILL NEED TO PROVE TYPE (SURFACE OR FOUL WATER) AND CONNECT TO APPROPRIATE SYSTEM.
15. REFER TO DRAWING 1350B-BHE-XX-XX-DR-C-003810 FOR MANHOLE SCHEDULES.
16. ALLOWANCE TO BE MADE FOR REMEDIATION OF RETAINED DRAINAGE E.G. JETTING

Rev	Description	Date	Iss'd	Rev'd	App'd
P05	STAGE 4 UPDATES	27.04.2026	TB	NC	PA
P04	STAGE 4 ISSUE	25.03.2026	NC	NC	PA
P03	STAGE 4 INTERIM ISSUE	25.02.2026	TB	NC	PA
P02	ISSUED FOR COORDINATION	16.01.2026	NC	PA	MW
P01	ISSUED FOR INFORMATION	05.09.2025	NC	PA	MW

RIBA STAGE 4

Project Stage

S4 - FOR REVIEW AND AUTHORISATION

Status of Drawing

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Client: MANCHESTER METROPOLITAN UNIVERSITY
Architect: HAWKINS BROWN
Project: **MMU LIBRARY REDESIGN**
Drg Title: PROPOSED FOUL WATER DRAINAGE PLAN

Job No.	Scale@A0
065290	1:100

Drawn/Designed By.	Checked By.	Approved By.
T.BOWERS	N. CULLEN	P. ANWYL

Drawing No.	Revision
1350B-BHE-XX-XX-DR-C-003102	P05

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