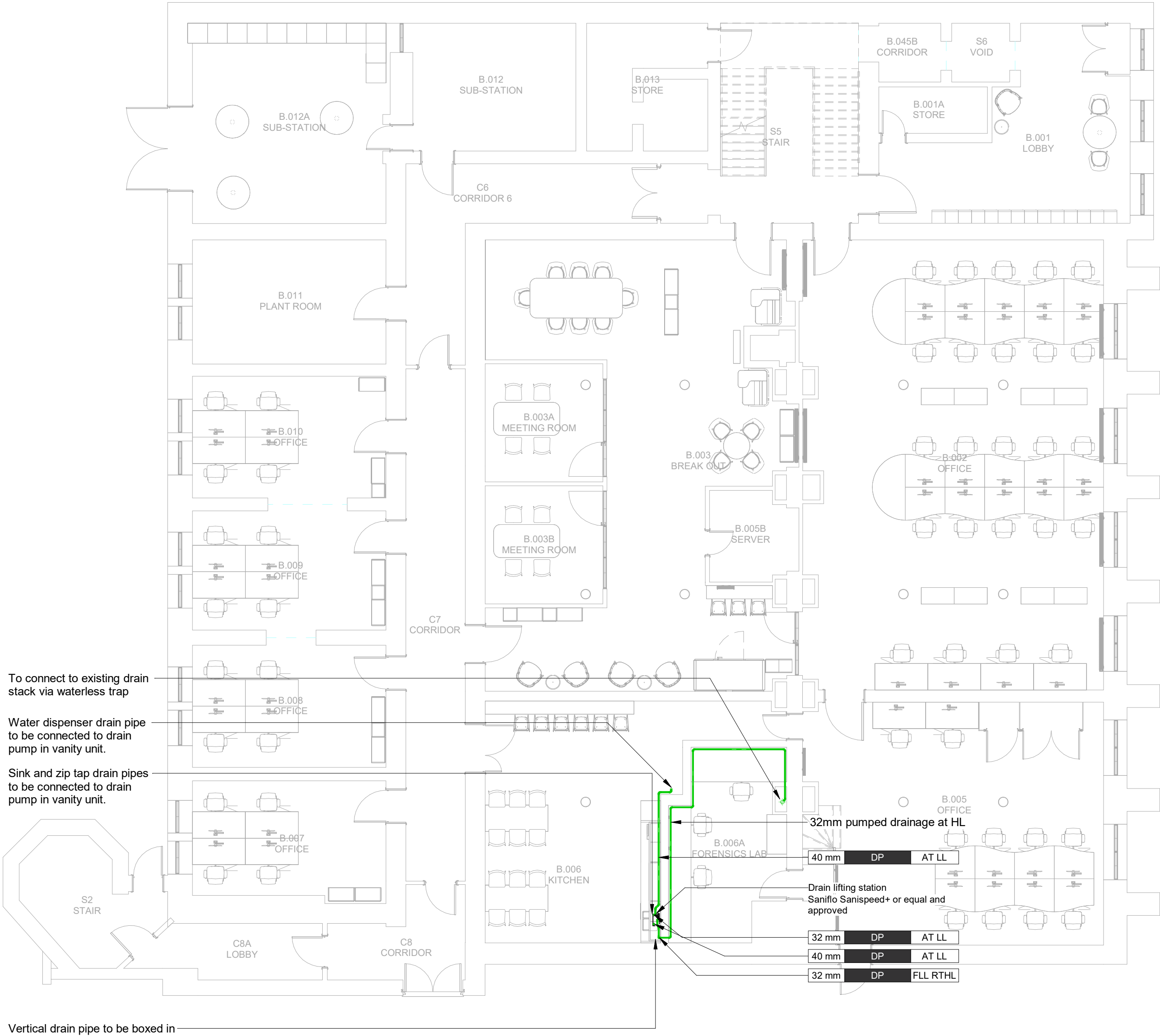


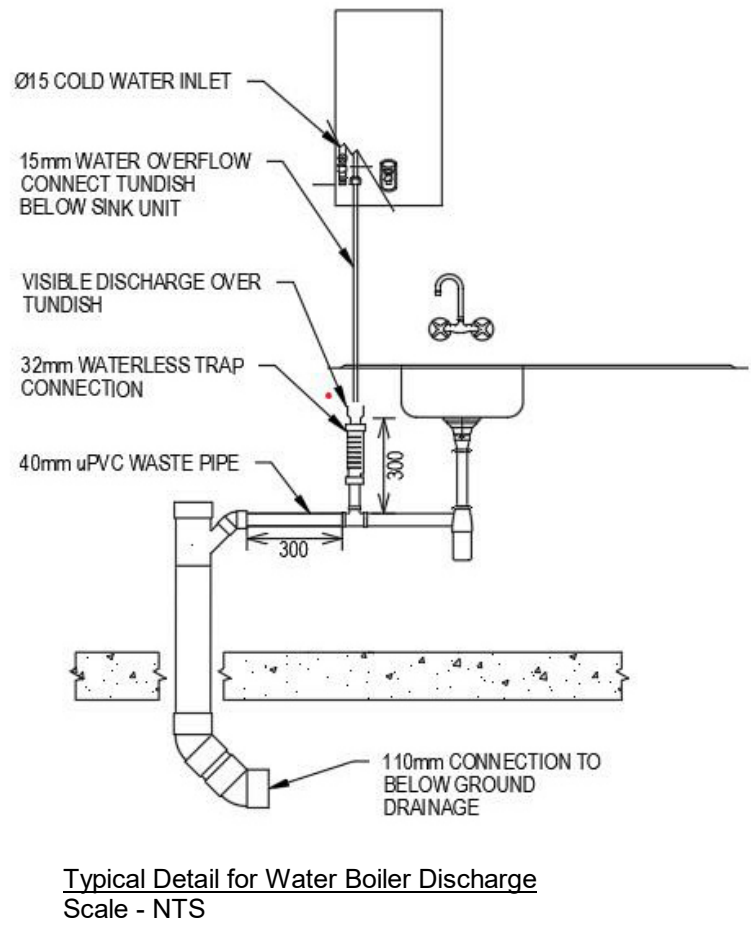


Public Health Pipework
Systems Colour Scheme

Waste Water Discharge

Public Health Pipework
Tag Abbreviations

AT HL	At high level
AT LL	At low level
FA CTD	From above connect to drainage
FA DTB	From above drop to below
FA DTHL	From above drop to high level
FA DTLL	From above drop to low level
FB RTA	From below rise to above
FB RTHL	From below rise to high level
FB RTLL	From below rise to low level
FB TO ATM	From below vent to atmosphere
FHL CTD	From high level connect to drainage
FHL DTB	From high level drop to below
FHL DTLL	From high level drop to low level
FHL RTA	From high level rise to above
FLL CTD	From low level connect to drainage
FLL DTB	From low level drop to below
FLL RTA	From low level rise to above
FLL RTHL	From low level rise to high level
DP	Discharge pipe
VP	Vent pipe
SS	Stub stack
FG	Floor gully
RWP	Rainwater pipe
RWO	Rainwater outlet
CC	Capped connection
CTD	Connect to drain
RE	Rodding eye



CDM Regulations:
In addition to any information included in this drawing or the model from which it is derived, refer also to the project CDM Risk Register for information on residual risks.

- General Notes:
- The drawing does not necessarily show all the information needed to interpret the design intent or the construction details.
 - The drawing contains information from more than one source and must be read in conjunction with all relevant specifications.
 - Any apparent drafting errors and differences between other drawings and specifications shall be brought to our attention.

- Project Notes:
- General Notes:
- This drawing is to be read in conjunction with all relevant architectural, structural, mechanical, public health, and electrical engineers drawings and the associated specifications.
 - This drawing shows the design intent only and is subject to coordination by the Contractor and the preparation of installation detail drawing.
 - The contractor shall refer to the architect's drawings for details of fire compartmentation. Fire stopping to be provided to all services as required to maintain fire compartmentation.
 - Refer to existing as-built layouts for further information of existing services.
 - Contractor to validate all existing services by invasive survey prior to tender and include for all necessary modifications to existing services as required to facilitate the works.
 - The contractor to fully comply with EPMs.
 - The contractor to be responsible for final coordination of all services.

- Sanitary Plumbing Notes:
- These drawings shall be read for Public Health Services only and in conjunction with the latest Structural, Architectural, Mechanical and Electrical Specifications.
 - The Public Health Services installations shall comply with the requirements of BS EN 12056 Part 1-5, the Building Regulations Part H, The Water Supply (Water Fittings) Regulations 1999, The Institute of Plumbing - Plumbing Engineering Services Design Guide and all manufacturers recommendations.
 - HDPE soil pipework & fittings shall comply with BS EN 1519 or British Board of Agrément and shall be jointed with electro-fusion welded joints. Cast iron pipework shall be lightweight to BS EN 877, with British Board of Agrément certificate. Where uPVC pipework is specified for low level run outs it shall be in accordance with BS EN 1329 and BS 4514 and MuPVC pipework shall be in accordance with BS EN 1329 and BS 5255.
 - All pipework and fittings, where appropriate must bear the British Standard Kitemark.
 - Access shall be provided at the end of each horizontal run and every change in direction.
 - Access doors shall be provided to all vertical stacks dropping on each floor, 1.2m above finished floor level or to the height as indicated on the Architectural drawings. Where stub stacks are used, access shall be taken above the height of the spill over level to the relevant appliance.
 - Where pipework passes through fire compartment walls & floors, suitable intumescent fire sleeves or collars shall be used with fire-resistant ratings to match that of the structure.
 - Expansion of HDPE vertical stacks is to be controlled via the 'lock up' guide rail system method in accordance with manufacturer's recommendations.
 - Falls on soil waste and vent pipes shall not fall below the minimum stated in BS EN 12056-2 Gravity Drainage Inside Buildings - Part 2: Sanitary Pipework Layout and Calculation
 - Pipework to be fixed at regular intervals and in accordance with manufacturer's recommendations.
 - Offset vent pipes to have a fall of no less than 1:100

T01	Tender Issue	JH	JB	EJG	22/08/25
P01	Stage 4i Issue	JH	JB	EJG	25/07/25
Issue	Description	Designed	Reviewed	Authorised	Date

REVISIONS:

HOARE LEA

ARCHITECT:
Fairhurst Architects

CLIENT:
University of Manchester

PROJECT TITLE:
ITS & Computer Science

DRAWING TITLE:
Eddie Newcombe
LGF
Proposed Above Ground Drainage Layout

Tender Issue

PERSON RESPONSIBLE FOR:		
Design:	Review:	Authorising Issue:
JH	JB	EJG
Project No:	Date:	Scale @ A1:
04/06325	25/07/25	1:100
DRAWING NUMBER:	Status:	Rev:
0406325-HLE-EN-ZZ-DR-P-503001	S4	T01