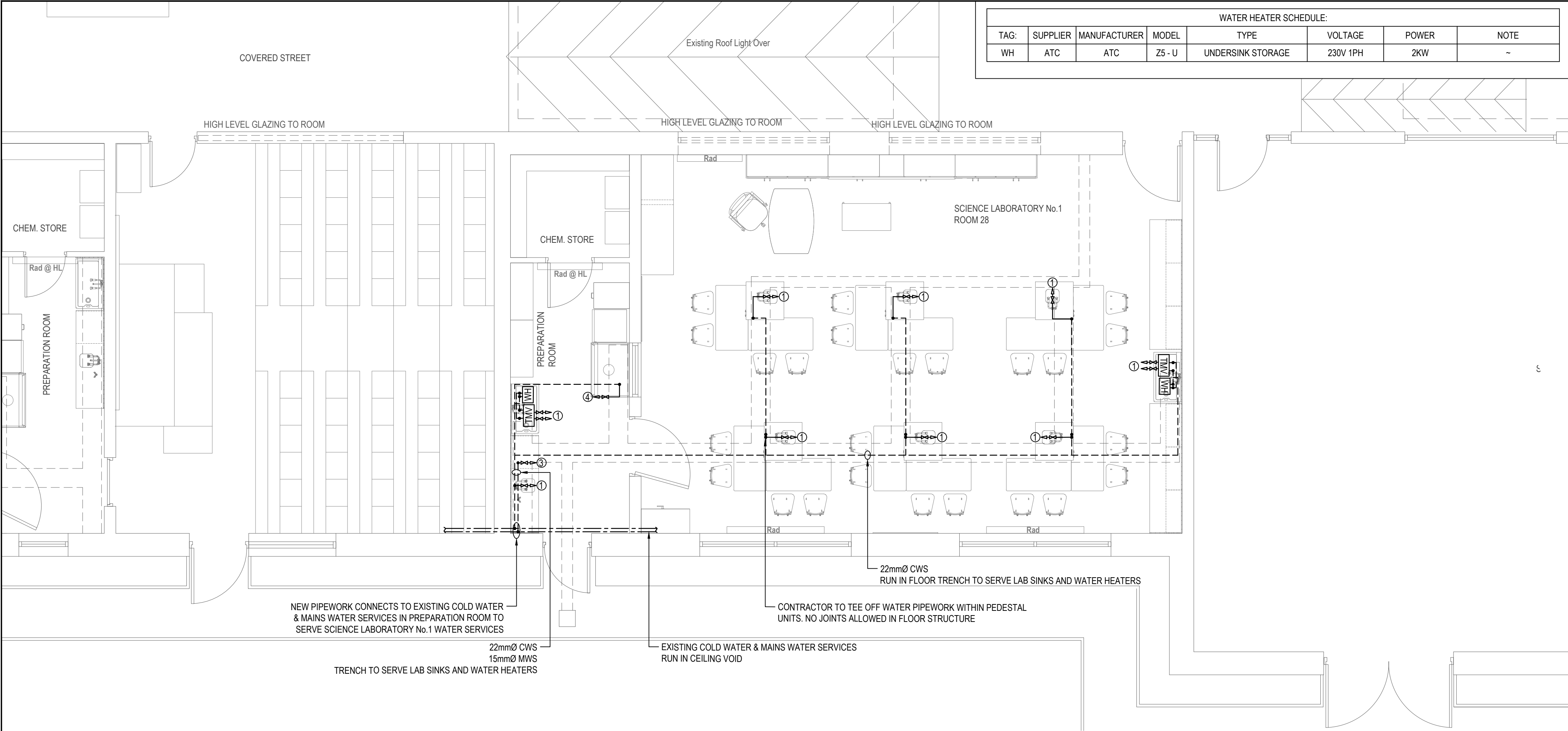


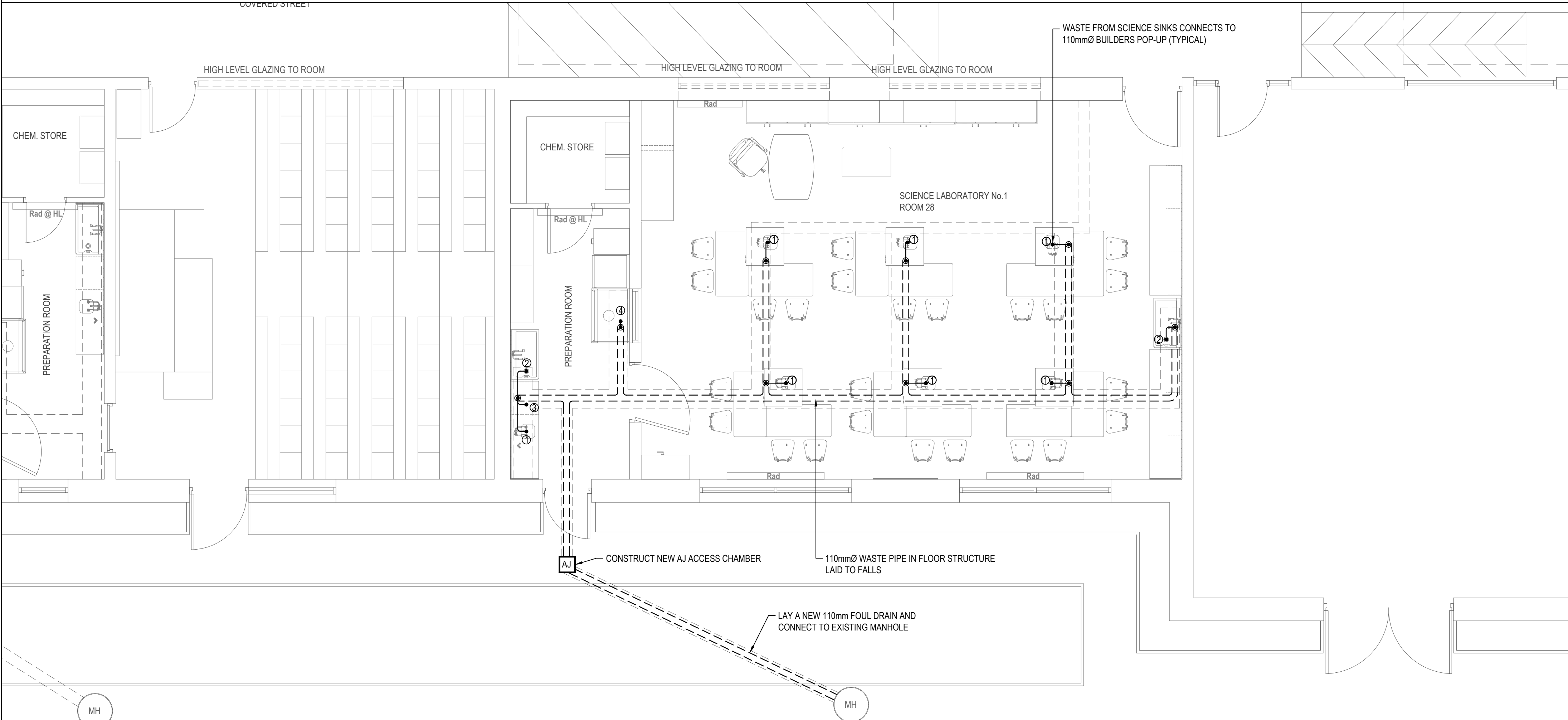


A PROPOSED WATER SERVICES LAYOUT
MW-01 SCALE: 1:50

WATER HEATER SCHEDULE:						
TAG:	SUPPLIER	MANUFACTURER	MODEL	TYPE	VOLTAGE	POWER
WH	ATC	ATC	Z5 - U	UNDERSINK STORAGE	230V 1PH	2KW

- WATER SERVICES ANNOTATIONS & LEGEND OF SYMBOLS**
- INDICATES PIPEWORK RUN IN FLOOR SCREED
 - INDICATES PIPEWORK RUN AT LOW LEVEL
 - INDICATES PIPEWORK RUN AT HIGH LEVEL
 - INDICATES PIPEWORK RUN IN CEILING VOID
 - INDICATES RISE/DROP IN PIPEWORK
 - "D.T.L.L." INDICATES "DROP TO LOW LEVEL"
 - "F/A" INDICATES "FROM ABOVE"
 - "T/A" INDICATES "TO ABOVE"
 - "F/B" INDICATES "FROM BELOW"
 - "T/B" INDICATES "TO BELOW"
 - "MWS" MAINS WATER SERVICES
 - "CWS" COLD WATER SERVICES
 - "HWS" HOT WATER SERVICES
 - "HWSR" HOT WATER SERVICES RETURN
 - ① CONNECT 15mmØ CWS & HWS TO BELFAST SINK
 - ② CONNECT 15mmØ CWS TO SCIENCE SINK
 - ③ CONNECT 15mmØ MWS TO DISHWASHER
 - ④ CONNECT 15mmØ CWS TO FUME CABINET SINK
 - I.V. DENOTES ISOLATION VALVE
 - ELECTRIC UNDERSINK WATER HEATER AS SCHEDULED
 - TMV3 THERMOSTATIC MIXER VALVE - MAX TEMP 43°C

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- NOTES:**
- THIS DRAWING IS INDICATIVE ONLY AND SHALL BE READ IN CONJUNCTION WITH THE SPECIFICATION & ALL OTHER RELEVANT DRAWINGS
 - THIS DRAWING MUST NOT BE SCALED. WORK TO THE FIGURED & SITE OBTAINED DIMENSIONS ONLY.
 - CONTRACTOR SHALL TAKE FULL COGNISANCE OF THE PRELIMINARY HEALTH AND SAFETY PLAN, AND PROVIDE FULL METHOD STATEMENTS FOR ALL HAZARDOUS OPERATIONS LISTED THEREIN. METHOD STATEMENTS SHALL ALSO BE PROVIDED FOR ANY HAZARDOUS OPERATION WHICH BECOMES APPARENT THROUGHOUT THE CONSTRUCTION PHASE.
 - THE MAIN CONTRACTOR WITH RELEVANT SPECIALIST SUB CONTRACTORS SHALL VISIT THE SITE TO DETERMINE THE FULL EXTENT OF THE WORKS PRIOR TO SUBMITTING COMPLETED TENDERS, TO ENSURE ALL COSTS ARE INCLUDED. NO COSTS FOR UNFORESEEN WORK DUE TO LACK OF SITE KNOWLEDGE WILL BE ACCEPTED.
 - THE MAIN CONTRACTOR IS RESPONSIBLE FOR SETTING OUT AND SUPERVISING ALL BUILDERS WORKS AS SPECIFIED IN THE TENDER DOCUMENTS. ALL NECESSARY BUILDERS WORKS SHALL BE COMPLETED BY THE BUILDING SUB-CONTRACTOR DOMESTIC TO THE MAIN CONTRACTOR
 - THE MAIN SERVICES CONTRACTOR IS FULLY RESPONSIBLE FOR ON SITE CO-ORDINATION WITH SPECIALIST SUB CONTRACTORS, BUILDING WORKS SUB CONTRACTOR AND ALL OTHER TRADES.
 - THE MECHANICAL SUB CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE NEW MECHANICAL SERVICES SO AS TO ENSURE A NEAT AND FULLY ACCESSIBLE INSTALLATION WITH MINIMAL DISRUPTION TO THE BUILDING AND OTHER EXISTING SERVICES WHICH MUST BE RETAINED IN 'AS IS' CONDITION.
 - WHERE A PARTICULAR MANUFACTURERS PRODUCTS ARE SPECIFIED IT SHALL BE READ AS EQUAL AND PRE-APPROVED BY THE ENGINEER.
 - THE CONTRACTOR IS TO CARRY OUT A SURVEY OF EXISTING WATER DISTRIBUTION PIPEWORK. NEW PIPEWORK IS TO CONNECT TO EXISTING SYSTEM.
 - SUPPLY TO EACH LAB SINK TO BE VALVED (BALLOFIX).
 - FINAL RISER POINTS TO ALL ITEMS TO BE AGREED ON SITE WITH ENGINEER.
 - ALL WATER SERVICES PIPEWORK TO BE CARRIED OUT USING PRE-INSULATED MULTILAYER PIPE AS PER SPECIFICATION.
 - ALL MAJOR BRANCHES OF WATER SERVICES PIPEWORK ARE TO INCLUDE ISOLATION VALVES.
 - THE MECHANICAL SUB CONTRACTOR IS RESPONSIBLE FOR REMOVAL DISPOSAL OF ALL REDUNDANT WATER SERVICES AND MAKING GOOD / REDECORATION.
 - ALL HOT WATER OUTLETS TO BE FITTED WITH LOCAL ANTI-SCALD DEVICES - MAXIMUM OUTLET TEMPERATURE 43°C.
 - THE MECHANICAL SUB-CONTRACTOR IS RESPONSIBLE FOR ALL ABOVE GROUND DRAINAGE.
 - SOILS AND WASTE PIPES GENERALLY SHALL BE RUN IN PVC PIPE COMPLYING WITH BS 4514 WITH FITTINGS GENERALLY IN PVC COMPLYING WITH BS 5255
 - ALL JOINTS SHALL BE SOLVENT WELDED ON PVC PIPE.
 - ALL BELOW GROUND DRAINAGE BY THE BUILDING SUB CONTRACTOR.



B PROPOSED WASTE & DRAINAGE SERVICES LAYOUT
MW-01 SCALE: 1:50

- SOILS & WASTES ANNOTATIONS & LEGEND OF SYMBOLS**
- PIPE IN FLOOR STRUCTURE
 - PIPE @ LOW LEVEL
 - PIPE @ HIGH LEVEL
 - PIPE IN CEILING VOID
 - WP WASTE PIPE
 - SVP SOIL VENT PIPE
 - CE CLEANING EYE
 - DTLL INDICATES "DROP TO LOW LEVEL"
 - F/A INDICATES "FROM ABOVE"
 - T/A INDICATES "TO ABOVE"
 - F/B INDICATES "FROM BELOW"
 - T/B INDICATES "TO BELOW"
 - ① CONNECT 38mmØ TRAPPED WASTE TO SCIENCE SINK
 - ② CONNECT 38mmØ TRAPPED WASTE TO BELFAST SINK
 - ③ CONNECT 50mmØ TRAPPED WASTE TO DISHWASHER C/W TUNE DISH
 - ④ CONNECT 38mmØ TRAPPED WASTE TO FUME CUPBOARD
 - MECHANICAL CONTRACTOR TO CONNECT ALL WASTE PIPEWORK TO BUILDERS UPSTANDS. ALL BELOW GROUND DRAINAGE BY BUILDING SUB CONTRACTOR
 - 300X300mm 'AJ' ACCESS CHAMBER

T2	REVISED TENDER ISSUE	LL	JF	JF	24/09/26
T1	REVISED TENDER ISSUE	LL	JF	JF	22/05/26
T0	TENDER ISSUE	LL	JF	JF	24/04/26
REV	DESCRIPTION	BY	CHK	APP	DATE

CLIENT:
LIMERICK AND CLARE EDUCATION AND TRAINING BOARD
CAPITAL PROCUREMENT SECTION
STATION ROAD, ENNIS, CO CLARE

SCHOOL:
COLÁISTE MUIRE ASKEATON
CHURCH STREET, ASKEATON, Co. LIMERICK

Fahey O'Riordan
Consulting Engineers

SHANACLOGH,
CAPPAWHITE,
Co. TIPPERARY.

TEL: +353 (0) 62 75929
EMAIL: info@force.ie
WEB: www.force.ie

Project:
COLÁISTE MUIRE ASKEATON SCIENCE LABS UPGRADE
CLIMATE ACTION SUMMER WORKS 2026 PROJECT

Drawing Title:
PROPOSED WATER & DRAINAGE SERVICES LAYOUT
SCIENCE LABORATORY no.1

Scale 1:50 @ A1	Drawn LL	Checked JF	Approved JF	Date 24/04/2026
Project No. 2621	Type M	Drawing No. 2621-MW-01	Revision T2	

APPROVAL ☐ INFORMATION ☐ TENDER ☒ CONTRACT ☐ CONSTRUCTION ☐