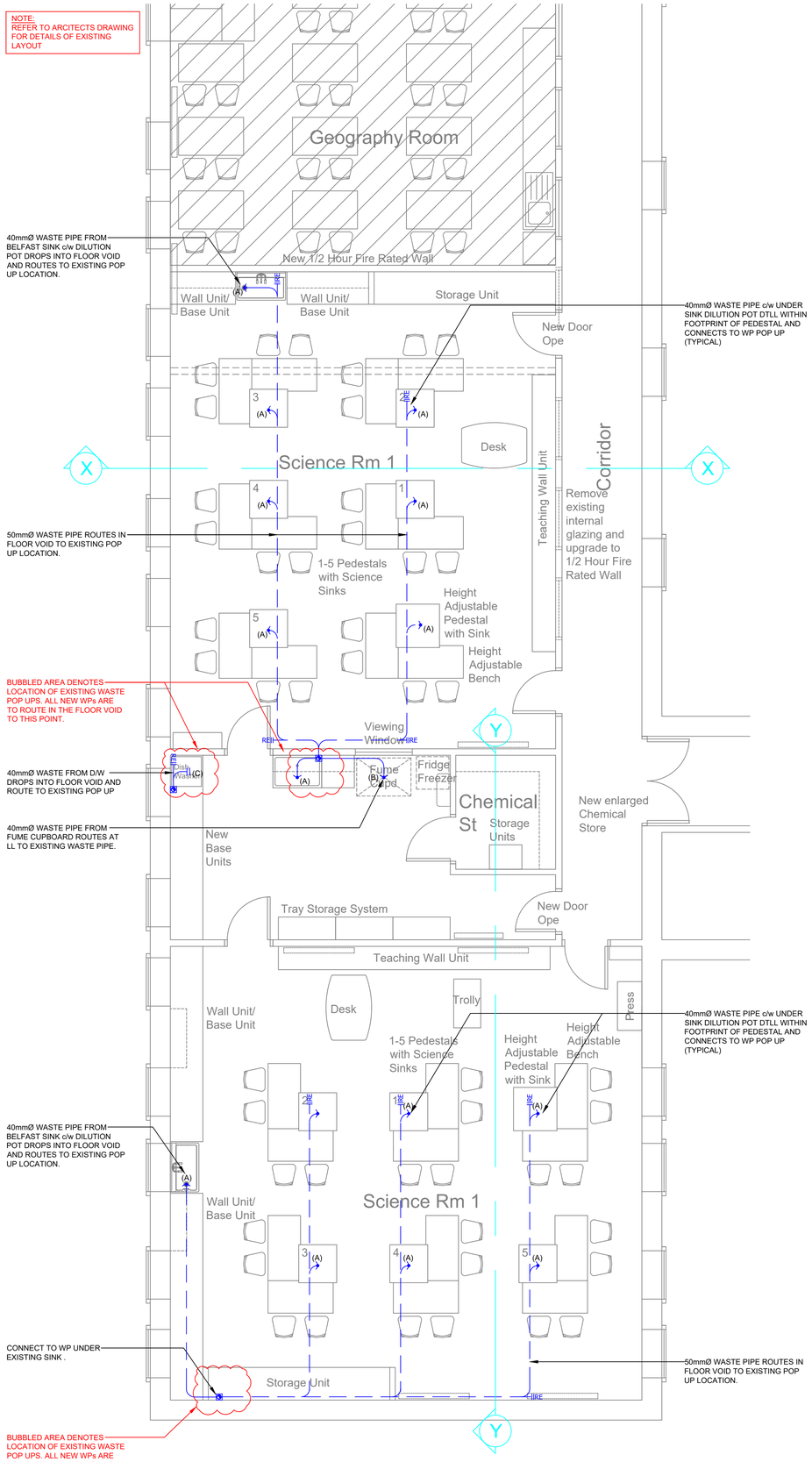
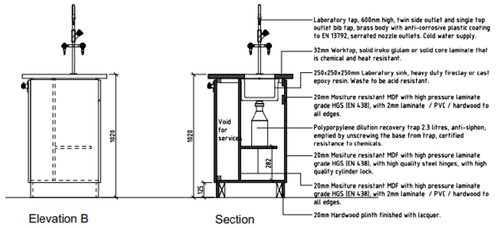


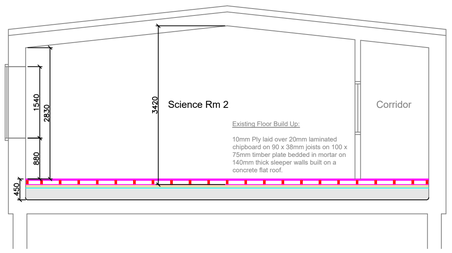
Proposed Floor Plan

SAMPLE OF DILUTION RECOVERY TRAP UNDERSINK

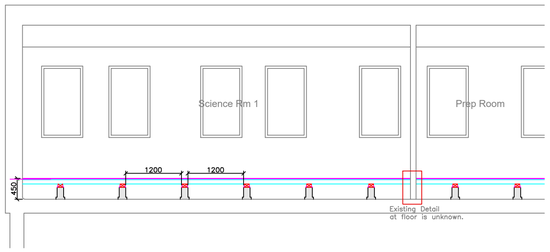


TYPICAL WASTE PIPING ARRANGEMENT
SCIENCE CLASSROOM SINK
(Not to Scale)

THE CONTRACTOR SHALL ENSURE APPROPRIATE USE OF FIRE COLLARS WHERE PIPEWORK OF 40mmØ OR MORE PASSES THROUGH ANY FIRE COMPARTMENTION



Existing Section X-X



Existing Section Y-Y

NOTE:

ALL SERVICES TO RUN BETWEEN TIMBER JOISTS. JOISTS TO BE NOTCHED OUT WHERE REQUIRED (FOLLOWING AGREEMENT WITH ARCHITECT)

ABBREVIATIONS

DS	- DISCHARGE STACK
VP	- VENT PIPE
C/S	- CEILING SPACE
RTA	- RISE TO ABOVE
DTB	- DROP TO BELOW
DFA	- DROP FROM ABOVE
DTLL	- DROP TO LOW LEVEL
RTHL	- RISE TO HIGH LEVEL
FFL	- FINISHED FLOOR LEVEL

GENERAL SOILS & WASTES NOTES

THE ENTIRE INSTALLATION SHALL COMPLY IN ALL RESPECTS WITH THE REQUIREMENTS OF THE LOCAL BUILDING CONTROL OFFICER, THE LOCAL AUTHORITY INSPECTORATE, THE BUILDING STANDARDS REGULATIONS & ALL RELEVANT BRITISH STANDARDS, INCLUDING BS EN. 12056-2 : 2000.

THE CONTRACTOR SHALL PROVIDE INTUMESCENT FIRE COLLARS AS PER "TERRAIN FIREBRAKE" WHERE PLASTIC PIPEWORK OF 40mmØ OR MORE PASSES THROUGH ANY FIRE COMPARTMENTATION.

RODDING ACCESS WILL BE PROVIDED AT ALL CHANGES OF DIRECTION ON ALL PIPEWORK LINES THROUGHOUT.

THE CONTRACTOR SHALL INCLUDE FOR ALL NECESSARY PRIMARY & SECONDARY SUPPORT SYSTEMS AS REQUIRED.

THE CONTRACTOR SHALL INCLUDE FOR SUPPLY AND INSTALLATION OF ALL FINAL CONNECTIONS TO EQUIPMENT AND SANITARY WARE etc., PROVIDING ALL SUITABLE ADAPTORS AND REDUCERS AS REQUIRED.

ALL BOSS PIPES SHALL INCLUDE THE NECESSARY ADAPTORS TO THE CONNECTING WASTE PIPE SIZE.

THE INSTALLATION SHALL BE CONSTRUCTED IN STRICT COMPLIANCE WITH THE SPECIFIC MANUFACTURERS PRINTED INSTRUCTIONS. THE CONTRACTOR SHALL INCLUDE FOR FINAL PAINTWORK TO ANY COMPONENT OF THE SYSTEM SO REQUIRED. THE CONTRACTOR SHALL ALSO INCLUDE FOR SUPPLY AND INSTALLATION OF "STACK SUPPORT PIPES" AND OTHER SPECIFIC SUPPORT REQUIREMENTS NOTED BY THE MANUFACTURERS, INCLUDING EXPANSION & CONTRACTION REQUIREMENTS.

PLUMBING CONTRACTOR TO ENSURE THAT SETTING OUT OF WC's/WHB's/IPS ACCOMMODATES DRAINAGE REQUIREMENTS.

TYPICAL PIPE SIZES:

WHB	-	32mmØ @ 18 TO 44mm/m GRADIENT
URINAL	-	40mmØ @ 18 TO 80mm/m GRADIENT
SINK	-	40mmØ @ 18 TO 44mm/m GRADIENT
WC	-	110mmØ @ 18mm/m GRADIENT

ALL BELOW GROUND DRAINAGE DESIGNED BY STRUCTURAL ENGINEER.

ACCESS PIPES SHALL BE POSITIONED ABOVE THE FLOOD LEVEL OF APPLIANCES ON THE SAME FLOOR LEVEL.

ARCHITECT TO ALLOW FOR BOXING IN ALL PIPES & PROVIDE DETAIL FOR FULL ACCESS TO ALL RODDING EYES, ACCESS CAPS ETC. CONTRACTOR TO ENSURE THAT ALL RODDING EYES ACCESS CAPS ETC. ARE FULLY ACCESSIBLE.

ACCESS PIPES
ACCESS PIPES SHALL BE FITTED AT THE FOOT OF ALL VERTICAL STACKS AND AT CHANGES OF DIRECTION AND WHERE INDICATED ON THE DRAWINGS.

WHERE VERTICAL PIPES PASS THROUGH FITMENTS OR WORKTOPS, RODDING PROVISION VIA THE ACCESS PIPE MAY BE FITTED ABOVE FITMENT/WORKTOP LEVEL, AT THE DISCRETION OF THE ARCHITECT.

PIPEWORK AND FITTINGS SHALL IN GENERAL BE IN MUPVC TO BS 5255, BS 4511, BSEN 1329 PART 1 & BSEN 1329 PART 2 AS APPROPRIATE WITH SOLVENT WELDED & RING SEAL JOINTS AS MANUFACTURED BY GEBERIT TERRAIN LIMITED AND INSTALLED AND SUPPORTED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTRUCTIONS.

TRAPS:
ALL TRAPS SHALL GENERALLY BE 75mm DEEP SEAL "TWO PIECE" PATTERN AND SHALL BE IN COMPLIANCE WITH BS 3943.

WASHBASINS SHALL HAVE 75mm DEEP SEAL TUBULAR TRAP WITH UNION CONNECTOR IN WHITE HIGH TEMPERATURE PVC OR POLYPROPYLENE.

RODDING EYES:
ON ALL VERTICAL AND HORIZONTAL SMALL DIAMETER PVC WASTE PIPES, RODDING EYES SHALL BE OF THE SCREWED CAP TYPE WITH THREADED MECHANICAL JOINTS.

ON DS STACKS ACCESS PIPES SHALL BE FULL PIPE WIDTH WITH BOLTED DOORS WITH GASKETS & STAINLESS STEEL BOLTS.

WHERE PIPEWORK PASSES THROUGH THE ROOF, A PURPOSE MADE WEATHERING PIPE SHALL BE SUPPLIED AND INSTALLED. THE PIPEWORK SHALL TERMINATE WITH A PROPRIETARY BIRD GUARD.

ALL FITTINGS USED SHALL BE FREE OF BURRS AND SWARF AND SHALL BE OF THE EASY SWEEP PATTERN, ON NO ACCOUNT SHALL MITRED FITTINGS BE USED, OR ATTEMPTS MADE ON SITE TO MANUFACTURE OR ALTER SUCH FITTINGS.

JOINTING OF MUPVC PIPEWORK SHALL BE MADE ACCORDING TO THE MANUFACTURER'S REQUIREMENTS AND STANDARDS. EXPANSION "O" RING JOINTS ON MUPVC PIPEWORK SHALL BE AS SPECIFIED BY THE MANUFACTURER AND THESE JOINTS SHALL BE PROVIDED BETWEEN ALL FIXED POINTS WHICH ARE FROM 900mm TO 7200mm APART, AND SHALL BE INSTALLED STRICTLY IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS AND RECOMMENDATIONS. THE TERM "ANCHOR POINT" SHALL BE DEEMED TO BE AT THE LOCATION OF EACH BRANCH CONNECTION WHICH SHALL BE RIGIDLY FIXED TO THE STRUCTURE BY MEANS OF A RIGID FIXED HOLDERBAT, IN CONJUNCTION WITH AN "O" RING FLEXIBLE JOINT IMMEDIATELY UPSTREAM OF THE FIXING.

SOLVENT WELDED JOINTS SHALL BE MADE USING ONLY THE COMPONENTS SUPPLIED BY THE MANUFACTURER FOR THE MATERIAL CONCERNED. DURING THE INSTALLATION THE SPIGOTS MUST BE PUSHED WELL HOME AGAINST THE SHOULDER OF THE SOCKET.

JOINTING WC OUTLETS TO DISCHARGE PIPEWORK SHALL BE BY MEANS OF EITHER A STRAIGHT OR BENT UPVC CONNECTOR AS REQUIRED AND SHALL BE PROVIDED COMPLETE WITH RUBBER SEAL RING, AND SUITABLE CONNECTION FOR THE WC.

UPVC AND MUPVC PIPEWORK SHALL BE CUT BY MEANS OF A FINE TOOTH SAW, TAKING CARE TO REMOVE ALL EXCESS BURRS AND SWARF.

THE END OF THE PIPE SHALL BE SQUARE TO THE AXIS AFTER CUTTING AND WHERE THE SPIGOT END SHALL BE CHAMFERRED IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS.

FIXING OF PIPEWORK SHALL BE BY MEANS OF A BRACKET PATTERN FIXING RECOMMENDED BY THE MANUFACTURER AND THESE SHALL BE FITTED AROUND THE PIPEWORK IN ACCORDANCE WITH THEIR RECOMMENDATIONS. SPECIAL CARE SHALL BE TAKEN THAT THE BRACKETS INSTALLED AT LOCATIONS OTHER THAN "FIXED POINTS" SHOULD STABILISE THE PIPEWORK WHILST STILL MAKING DUE ALLOWANCE FOR MOVEMENT TO ABSORB EXPANSION AT THE PROPER POINTS.

ALL PURPOSE MADE BRACKETS AND HANGERS SHALL BE PRIMED AND PAINTED WITH TWO COATS RED OXIDE PRIOR TO ERECTION AND ALL DROP RODS AND HANGING ASSEMBLIES IN UNHEATED AND EXPOSED AREAS SHALL BE GALVANISED OR HAVE OTHER SUITABLE APPROVED TYPE OF FINISH.

ALL PIPEWORK SHALL BE ERECTED TRUE TO LINE AND LEVEL WITH PARTICULAR CARE BEING TAKEN WITH THE GRADIENTS ON HORIZONTAL PIPEWORK.

HORIZONTAL WASTE RUNS SHALL BE INSTALLED TO PROVIDE A NATURAL FALL TO THE PIPE ENSURING COMPLETE CONTINUOUS FLOW FOR THE WASTE EFFLUENT, AND SHALL HAVE A GRADIENT OF 2/3 DEGREES. ON NO ACCOUNT WILL THE FALL BE LESS THAN 1 DEGREE.

UNLESS OTHERWISE DIRECTED BY THE ARCHITECT, THE CONTRACTOR SHOULD INCLUDE FOR SUPPLY & INSTALLATION OF CHROME PLATED PIPEWORK, FITTINGS & SUPPORTS WHERE INSTALLATIONS ARE EXPOSED IN FINISHED AREAS (TO BE CONFIRMED WITH THE ARCHITECT PRIOR TO INSTALLATION).

LEGEND

(A)	40mmØ ACID RESISTANT PIPING CONNECTS TO A POLYPROPYLENE DILUTION RECOVERY TRAP 2.3LITRES, ANTI-SIPHON, EMPTIED BY UNSCREWING THE BASE FROM TRAP, CERTIFIED RESISTANCE TO CHEMICALS. CONNECTS TO EXISTING BUILDERS UPSTAND
(B)	40mmØ CONNECTION FROM FUME CUPBOARD
(C)	42mmØ TRAPPED WASTE FROM DISHWASHER CONNECTS TO EXISTING BUILDERS UPSTAND, STACK OR HEADER.
BIGT	BIGT (BACK INLET GULLEY TRAP)
FG	FLOOR GULLY
IIRE	RODDING EYE
	PIPEWORK IN FLOOR VOID
	PIPEWORK AT LOW LEVEL
	PIPEWORK AT HIGH LEVEL
	PIPEWORK IN CEILING VOID
	SOIL/WASTE PIPE DROPS FROM LEVEL ABOVE
	SOIL/WASTE PIPE UPSTAND AT LOW LEVEL

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Use figure dimensions - DO NOT SCALE FROM THIS DRAWING.

Where Architects details are shown on this drawing, these are indicative and reference should be made to the appropriate Architect's drawing.

Rev.	Date	Description	Eng.	App.

Drawing number.
PL-M52-001

Client.
SCOIL MHUIRE BUNCRANA

Architect.
AL ARCHITECTS LTD
OFFICE 8B
THE COURTYARD
LOWER MAIN STREET
LETERKENNY
CO.DONEGAL

Project.
REFURBISHMENT OF SCIENCE ROOMS
SCOIL MHUIRE BUNCRANA
CO.DONEGAL

Service.
MECHANICAL

Drawing Status.
TENDER

Mechanical & Electrical Consulting Engineers
IPSUM CONSULTING ENGINEERS LIMITED.
Riverside Office Park, Unit 2B, Neil T. Blaney Road, Letterkenny, County Donegal, Ireland
e-mail. donegaladmin@ipsumengineers.com
Web. www.ipsumengineers.com

Eng./CAD CMcC | Checked. RD

Title.
SCIENCE CLASSROOMS 1 & 2
SECOND FLOOR

SOILS AND WASTE SERVICES LAYOUT

Scale(s). 1:50 @ A1 | Date. MAY.2026

Project Number. 6447 | Revision. T0

Drawing number.
PL-M52-001

Base Negative Identity	Xref name.-	Drg. Source.-	Drg. Number.-	Drawing Revision.-	Date Received.-	By.-