

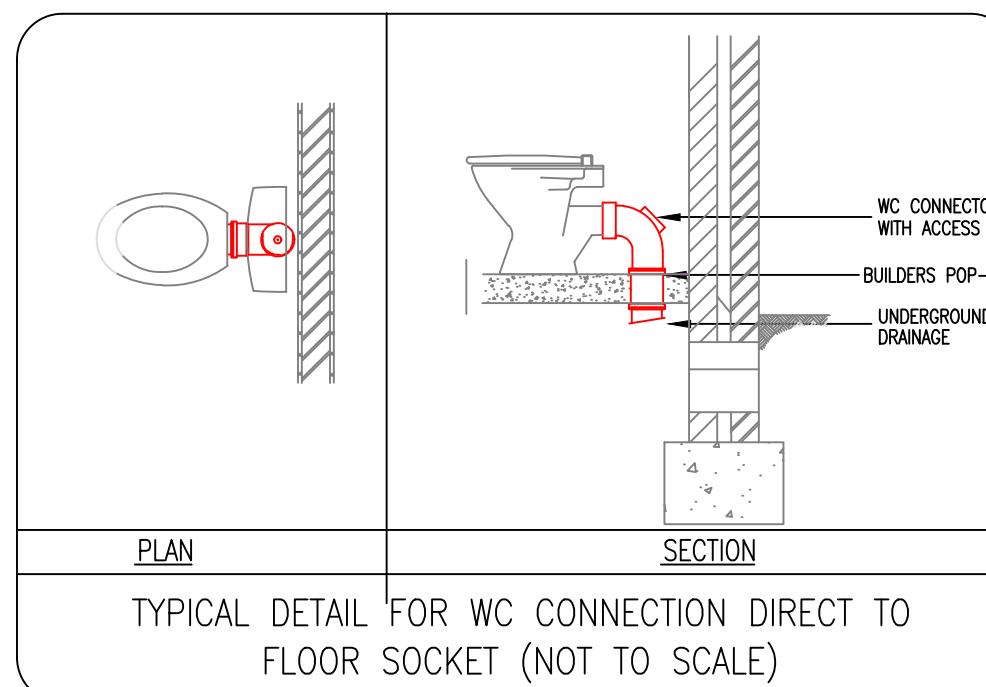


THIS WILL BE LOCATED IN THE BOILERHOUSE. THIS IS AN INDICATIVE LOCATION.

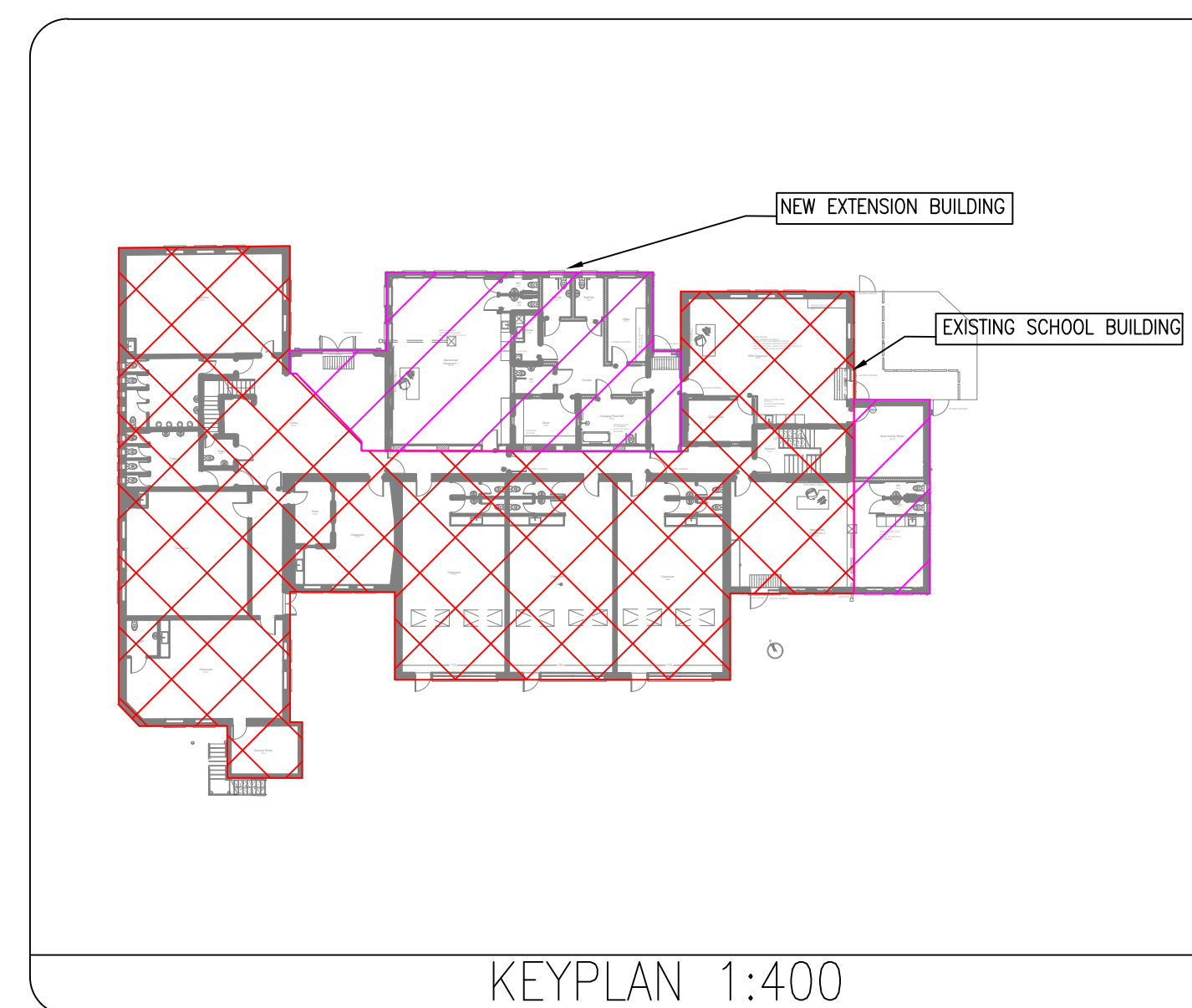
SOILS AND WASTES SERVICES LAYOUT (SCALE 1:100)

SOILS AND WASTE SYMBOLS.

- | | | |
|---|--|---|
| <p>① NEW 110mm$\varnothing$ WASTE POP-UP. CONTRACTOR SHALL ALLOW FOR CONNECTING THE 40mm$\varnothing$ WASTE PIPEWORK FROM THE SINK TO THE 110mm$\varnothing$ POP-UP. BUILDERS WASTE SOCKET IN FLOOR SHALL BE COMPLETED BY MAIN CONTRACTOR.</p> <p>② NEW 110mm$\varnothing$ WASTE POP-UP. CONTRACTOR SHALL ALLOW FOR CONNECTING THE 32mm$\varnothing$ WASTE PIPEWORK FROM THE WHB TO THE 110mm$\varnothing$ POP-UP. BUILDERS WASTE SOCKET IN FLOOR SHALL BE COMPLETED BY MAIN CONTRACTOR.</p> <p>③ NEW 110mm$\varnothing$ WASTE PIPEWORK FROM WC. WASTE PIPEWORK FROM WC SHALL BE CONNECTED TO A NEW 110mm$\varnothing$ BUILDERS WORK FLOOR SOCKET OR NEW 110mm$\varnothing$ SOIL VENT STACK. BUILDERS WASTE SOCKET IN FLOOR SHALL BE COMPLETED BY MAIN CONTRACTOR.</p> <p>④ 150mm X 150mm FLOOR GULLEY. FLOOR GULLEY SHALL BE CONNECTED TO NEW 110mm$\varnothing$ BUILDERS WORK FLOOR SOCKET. BUILDERS WASTE FLOOR SOCKET SHALL BE INSTALLED BY THE MAIN CONTRACTOR.</p> <p>⑤ NEW 110mm$\varnothing$ WASTE FLOOR SOCKET FOR SOIL VENT PIPE (SVP). BUILDERS WASTE FLOOR SOCKET SHALL BE INSTALLED BY THE MAIN CONTRACTOR. SVP SHALL RISE TO THE ROOF LEVEL AND EXTEND 1000mm ABOVE ROOF LEVEL. ALLOW FOR A PIPEWORK RISE OF APPROXIMATELY 4000mm FROM GROUND LEVEL TO ROOF LEVEL.</p> | <p>⑥ NEW 40mm$\varnothing$ WASTE PIPEWORK FROM WASHING MACHINE SHALL BE CONNECTED TO EITHER NEW 50mm$\varnothing$ WASTE FLOAT PIPEWORK WHICH SHALL BE CONNECTED TO NEW 110mm$\varnothing$ BUILDERS WORK FLOOR SOCKET/110mm$\varnothing$ SOIL VENT PIPE/50mm$\varnothing$ WASTE POP-UP. BUILDERS FLOOR SOCKET BY THE MAIN CONTRACTOR.</p> <p>⑦ NEW 40mm$\varnothing$ WASTE PIPEWORK FROM CLEANSERS SINK SHALL BE CONNECTED TO NEW 50mm$\varnothing$ WASTE FLOAT PIPEWORK WHICH SHALL BE CONNECTED TO NEW 110mm$\varnothing$ BUILDERS WORK FLOOR WASTE POP-UP. BUILDERS FLOOR SOCKET BY THE MAIN CONTRACTOR.</p> <p>⑧ NEW 40mm$\varnothing$ WASTE PIPEWORK FROM DISHWASHER SHALL BE CONNECTED TO NEW 50mm$\varnothing$ WASTE FLOAT PIPEWORK WHICH SHALL BE CONNECTED TO NEW 110mm$\varnothing$ BUILDERS WORK FLOOR WASTE POP-UP. BUILDERS FLOOR SOCKET BY THE MAIN CONTRACTOR.</p> <p>⑨ NEW 40mm$\varnothing$ WASTE PIPEWORK FROM GAS BOILER CONDENSE DRAIN SHALL BE CONNECTED TO EITHER NEW 50mm$\varnothing$ WASTE FLOAT PIPEWORK WHICH SHALL BE CONNECTED TO NEW 110mm$\varnothing$ BUILDERS WORK FLOOR SOCKET/110mm$\varnothing$ SOIL VENT PIPE/50mm$\varnothing$ WASTE POP-UP. BUILDERS FLOOR SOCKET BY THE MAIN CONTRACTOR.</p> <p>NEW SOILS/WASTE POP-UP</p> <p>FG NEW FLOOR GULLEY</p> | <p>SVP SOIL VENT PIPE</p> <p>WC WATER CLOSET</p> <p>WHB WASH HAND BASIN</p> <p>T/A TO ABOVE</p> <p>L/L LOW LEVEL</p> <p>H/L HIGH LEVEL</p> <p>—ICE FLOAT WASTE DISCHARGE PIPE</p> <p>—CE CLEANING EYE</p> <p>—ICE EXPOSED WASTE PIPEWORK AND WASTE PIPEWORK AT L/L IN FURNITURE</p> <p>FC FIRE COLLAR INSTALLED ON WASTE PIPEWORK PASSING THROUGH FIRE COMPARTMENT FLOOR OR WALL.</p> |
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TYPICAL DETAIL FOR WC CONNECTION DIRECT TO FLOOR SOCKET (NOT TO SCALE)



GENERAL NOTES:

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL MECHANICAL, ELECTRICAL, ARCHITECTURAL AND STRUCTURAL DRAWINGS & SPECIFICATIONS.
- THE CONTRACTOR SHALL CO-ORDINATE FULLY WITH ALL OTHER TRADES BEFORE COMMENCING WORK. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL THE NECESSARY INFORMATION TO ALLOW THE MAIN CONTRACTOR CO-ORDINATE ALL SERVICES.
- THE MECHANICAL CONTRACTOR SHALL ALLOW FOR CO-ORDINATING THE MECHANICAL INSTALLATION WITH THE ELECTRICAL CONTRACTOR ON SITE. EXTRA COSTS INCURRED DUE TO THE CO-ORDINATION EXERCISE NOT BEING COMPLETED WILL NOT BE ACCEPTED BY THE ENGINEER.
- DO NOT SCALE THIS DRAWING. ALL DIMENSIONS TO BE TAKEN ON SITE.
- THE CONTRACTOR SHALL ALLOW FOR THE SUPPLY AND INSTALLATION OF ALL MECHANICAL SERVICES INDICATED ON THIS DRAWING.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO IDENTIFY SUITABLE FINAL ROUTES FOR PIPEWORK, MECHANICAL SERVICES, ETC. AS INDICATED ON THE DRAWINGS.
- NEW MAINS RUN OF MECHANICAL PIPEWORK SHALL BE INSTALLED IN THE AREAS AS INDICATED. THIS IS INDICATIVE ONLY AND IF THE CONTRACTOR FINDS A MORE CONVENIENT ROUTE FOR THE MECHANICAL SERVICES ON SITE THEN THAT WILL BE ACCEPTABLE.
- FINAL LOCATION OF ALL ITEMS OF PLANT/EQUIPMENT/PIPEWORK, ETC. SHALL BE AGREED ON SITE WITH THE EMPLOYERS REPRESENTATIVE AND THE CLIENT.
- ALL SERVICES THROUGH FIRE BARRIERS SHALL BE SLEEVED EACH SIDE OF THE BARRIER. THE MAIN CONTRACTOR SHALL ALLOW FOR FIRE PROOFING THE OPES AFTER SERVICES IS INSTALLED.
- THE CONTRACTOR SHALL ALLOW FOR ALL NECESSARY LABOUR, WIRING AND ATTENDANCES IN COMPLETING ALL THE MECHANICAL WORKS AS INDICATED ON THE DRAWINGS AND SPECIFICATIONS.
- ASD UNIT: ALL MECHANICAL SERVICES BELOW CEILING LEVEL FOR THE MECHANICAL INSTALLATION IN THE ASD UNIT SHALL BE RECESSED/CONCEALED AND FINISHED FLUSH WITH THE FINISHED WALL UNLESS STATED OTHERWISE. LIAISE WITH THE MAIN CONTRACTOR FOR ALL NECESSARY CHANGES OR BOING OUT TO CONICAL SERVICES IN THE UNIT.

WASTE SERVICES NOTES:

- A NEW SOILS AND WASTE SERVICES INSTALLATION SHALL BE SUPPLIED AND INSTALLED THROUGHOUT THE BUILDING BY THE MECHANICAL CONTRACTOR FOR THE REMOVAL OF WASTE WATER AND SOILS FROM THE BUILDING.
 - THE MECHANICAL CONTRACTOR SHALL CO-ORDINATE THE FINAL POSITIONS OF ALL EQUIPMENT & SERVICES WITH ALL OTHER TRADES. EXTRA COSTS INCURRED DUE TO THE CO-ORDINATION EXERCISE NOT BEING COMPLETED WILL NOT BE ACCEPTED BY THE ENGINEER.
 - MECHANICAL CONTRACT INCLUDES ALL ABOVE GROUND SOILS AND WASTES, SOIL VENT PIPES, FLOOR GULLIES, TRAPS AND ROOF COWLS. THE CONTRACTOR SHALL ALLOW FOR THE FOLLOWING CONNECTIONS TO ALL APPLIANCES WITHIN THE BUILDING WHETHER INDICATED OR NOT. IN GENERAL, THE CONTRACTOR SHALL ALLOW FOR THE FOLLOWING CONNECTIONS TO THE FOLLOWING APPLIANCES:
- | CONNECTION | SEAL DEPTH |
|--------------|--------------------------|
| WC | - 110 $\varnothing$ 50mm |
| WHB | - 32 $\varnothing$ 75mm |
| SINK | - 40 $\varnothing$ 75mm |
| DISHWASHER | - 40 $\varnothing$ 75mm |
| FLOOR GULLEY | - 110 $\varnothing$ 50mm |
| SHOWER | - 40 $\varnothing$ 75mm |
- SOILS & WASTE PIPEWORK SHALL GENERALLY BE INSTALLED IN uPVC W/VAN PIPING AND SHALL INCLUDE ALL PIPEWORK, AIR VENTS, ANTI-SIPHONS AND TRAPS.
 - THE SOILS AND WASTES INSTALLATION SHALL BE INSTALLED IN ACCORDANCE WITH BUILDING REGULATIONS, RELEVANT CORPORATION BYE-LAWS, BS EN 12056, BS 5572:1994 - CODES OF PRACTICE FOR SANITARY INSTALLATIONS.
 - JOINTS AND CONNECTIONS IN SOILS & WASTE SHALL BE MADE WITH SOLVENT, FUSION SOCKET OR SYNTHETIC O-RINGS AS APPROPRIATE IN ACCORDANCE WITH BS 2492:199
 - ALL TRAPS TO BE BOTTLE TYPE (ANTI-SIPHON TYPE). THE KITCHEN SINK SHALL BE FITTED WITH COPPER DRAINS.
 - CLEANING EYES SHALL BE PROVIDED AS INDICATED FOR CLEANING BLOCKAGES AS NECESSARY. THE CONTRACTOR SHALL ALLOW FOR ADEQUATE ACCESS TO THE INSTALLATION TO ALLOW CLEANING AND TESTING.
 - ALL BENDS AND CHANGES IN DIRECTION TO BE EASY-SWEEP TYPE.
 - FIRE COLLARS TO BE INSTALLED ON ALL SOILS & WASTES PIPEWORK AS THEY PASS THROUGH FIRE COMPARTMENT WALLS AND FLOORS. FIRE COLLARS SHALL BE INSTALLED ON ALL PIPEWORK THAT PENETRATES FIRE WALLS OR COMPARTMENTS.
 - FINAL LOCATIONS OF BUILDERS FLOOR SOCKETS IN FLOOR SLABS FOR THE SOILS AND WASTES INSTALLATION SHALL BE FINALISED BETWEEN THE MAIN CONTRACTOR AND THE MECHANICAL CONTRACTOR BEFORE INSTALLATION. THE MECHANICAL CONTRACTOR SHALL MAKE A PERSON AVAILABLE TO THE MAIN CONTRACTOR TO CONFIRM LOCATIONS OF ALL BUILDERS WASTE FLOOR SOCKETS THROUGHOUT THE BUILDING.
 - ALL WASTE SERVICES PIPEWORK IN THE CEILING VOID, ABOVE THE CEILING OR LOCATED IN VOIDS, ETC. SHALL BE INSULATED AS DESCRIBED IN THE SPECIFICATIONS.

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Drawing Status
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Job Title
KILDANGAN NATIONAL SCHOOL,
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Drawing Title
**SOILS AND WASTES
SERVICES LAYOUT**

Architect MCOULOUGHIN ARCHITECTURE
Unit A6, Elm House
Millennium Park, Naas
Co.Kildare, Ireland

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Drawn By: E.O

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