

EXISTING DOMESTIC WATER SERVICES NOTES:

THE MECHANICAL CONTRACTOR SHALL ALLOW FOR ALL NECESSARY MODIFICATIONS TO THE EXISTING DOMESTIC WATER SERVICES INFRASTRUCTURE AS REQUIRED TO FACILITATE THE PROPOSED WORKS.

ALL PROPOSED MODIFICATIONS TO THE EXISTING DOMESTIC WATER SERVICES INFRASTRUCTURE SHALL BE REVIEWED AND AGREED WITH THE BUILDING SERVICES ENGINEER PRIOR TO COMMENCEMENT OF WORKS.

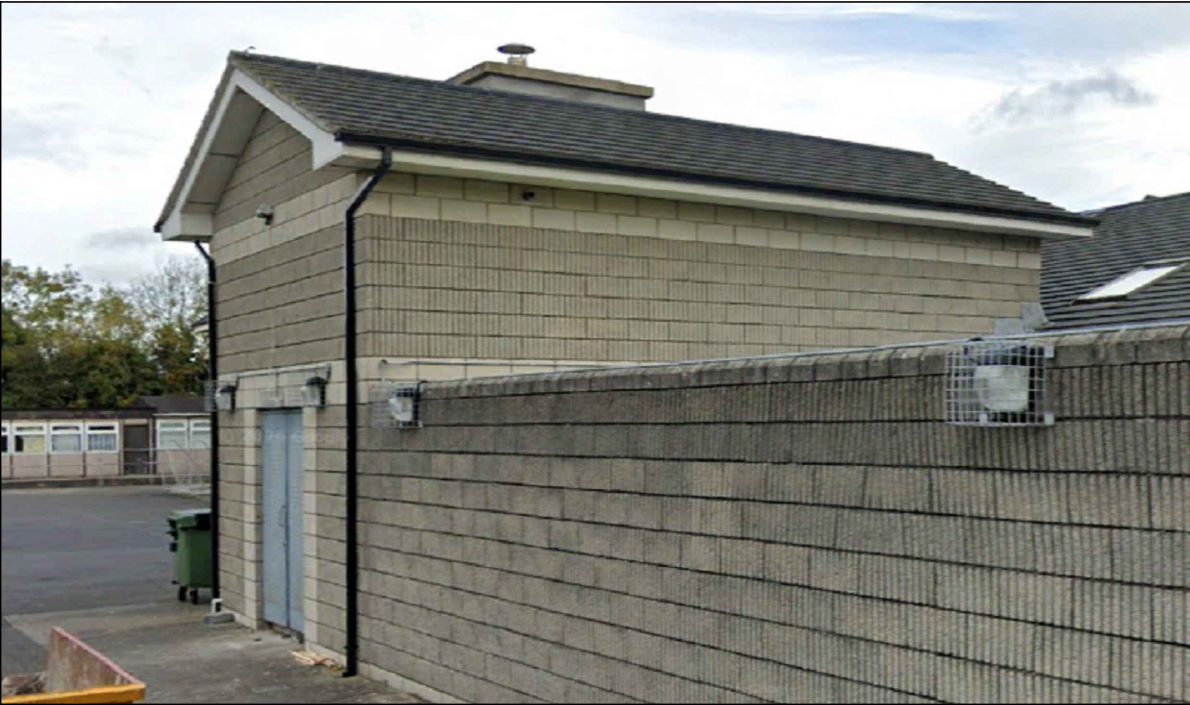
THE FULL EXTENT OF THE EXISTING DOMESTIC WATER SERVICES INSTALLATION IS NOT FULLY INDICATED ON THIS DRAWING. ALL EXISTING DOMESTIC WATER SERVICES SHOWN SHALL BE VERIFIED ON SITE BY THE MECHANICAL CONTRACTOR. IT SHALL BE THE MECHANICAL CONTRACTOR'S RESPONSIBILITY TO UNDERTAKE A COMPREHENSIVE SITE SURVEY TO TRACE, IDENTIFY AND CONFIRM ALL EXISTING DOMESTIC WATER SERVICES THAT MAY BE AFFECTED BY THE PROPOSED WORKS.

THE MECHANICAL CONTRACTOR SHALL ALLOW FOR DRAINING DOWN THE EXISTING DOMESTIC WATER SYSTEM AS REQUIRED TO FACILITATE THE WORKS, TOGETHER WITH SUBSEQUENT REFILLING, TESTING, AND COMMISSIONING UPON COMPLETION.

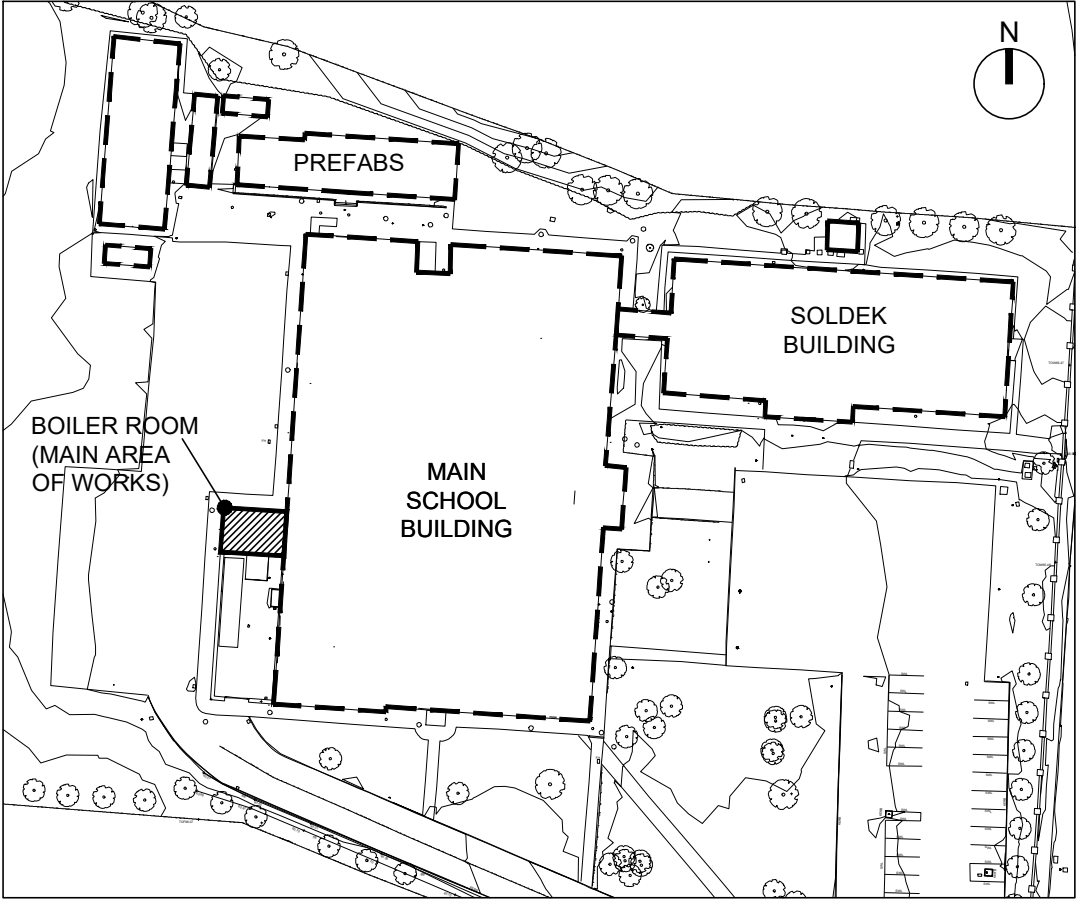
EXISTING DOMESTIC WATER SERVICES INFRASTRUCTURE WITHIN THE AREAS OF WORK THAT ARE TO BE RETAINED SHALL BE ADEQUATELY PROTECTED THROUGHOUT THE DURATION OF THE WORKS TO PREVENT DAMAGE, CONTAMINATION, OR DISRUPTION.

THE SCHOOL AUTHORITY SHALL BE ADVISED THAT DOMESTIC WATER SERVICES MAY BE TEMPORARILY UNAVAILABLE IN AREAS OF THE BUILDING OUTSIDE THE PRINCIPAL AREAS OF WORK. THE MECHANICAL CONTRACTOR SHALL ALLOW FOR OUT-OF-HOURS WORKING WHERE NECESSARY TO MINIMISE DISRUPTION TO SERVICES DURING NORMAL OFFICE HOURS.

TENDERING CONTRACTORS ARE STRONGLY ADVISED TO VISIT SITE PRIOR TO SUBMISSION OF THEIR TENDER TO SURVEY THE AREAS OF WORK AND FAMILIARISE THEMSELVES WITH THE SCOPE AND EXTENT OF THE WORKS DESCRIBED ABOVE, TOGETHER WITH ALL OTHER WORKS INDICATED ON THIS AND THE ASSOCIATED DRAWINGS. TENDER SUBMISSIONS SHALL BE DEEMED TO HAVE INCLUDED FOR ALL NECESSARY ALLOWANCES ARISING FROM THIS EXERCISE. ADDITIONAL COSTS INCURRED AS A RESULT OF A FAILURE TO UNDERTAKE A PRE-TENDER SITE VISIT WILL NOT BE ACCEPTED.



EXISTING BOILER ROOM



KEYPLAN (NTS)

GENERAL NOTES

- 1) Do not scale services equipment from this drawing.
- 2) All dimensions should be checked on site.
- 3) Any drawing errors or divergences should be brought to the attention of Geaney Engineering Consultants at the address shown below.
- 4) Drawing to be read in conjunction with all other drawings and documentation.

NOTES:

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL MECHANICAL, ELECTRICAL, ARCHITECTURAL AND STRUCTURAL DRAWINGS & SPECIFICATIONS.
2. THE MECHANICAL & ELECTRICAL CONTRACTORS SHALL CO-ORDINATE ALL SERVICES FULLY WITH ALL TRADERS BEFORE COMMENCING WORK.
3. DO NOT SCALE THIS DRAWING. ALL DIMENSIONS SHALL BE TAKEN ON SITE.
4. THE MECHANICAL & ELECTRICAL CONTRACTORS SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY INFORMATION TO ALLOW PROPER CO-ORDINATION OF ALL SERVICES.
5. EXTRA COSTS INCURRED DUE TO THE CO-ORDINATION EXERCISE NOT BEING COMPLETED WILL NOT BE ACCEPTED BY THE ENGINEER.
6. EXACT LOCATION OF ALL SERVICES SHALL BE AGREED WITH THE EMPLOYERS REPRESENTATIVE PRIOR TO COMMENCEMENT ON SITE.
7. ALL SERVICES AS SHOWN ON THIS DRAWING SHALL BE INCLUDED IN THE FINAL TENDER PRICE.
8. SAMPLE OF ALL EQUIPMENT SHALL BE APPROVED BY CLIENT, ARCHITECT AND BUILDING SERVICES ENGINEER PRIOR TO ORDERING.
9. ALL DIMENSIONS IN MILLIMETRES UNLESS STATED OTHERWISE.

DOMESTIC WATER SERVICES NOTES:

1. ALL PIPED SERVICES, PLANT, EQUIPMENT, VALVES ETC. SHOWN ON THIS DRAWING ARE PART OF THE NEW INSTALLATION UNLESS INDICATED OTHERWISE.
2. DOMESTIC WATER SERVICES PIPEWORK SHALL BE COPPER EXCLUDING PIPEWORK IN FLOOR AND MAINS WATERS PIPEWORK.
3. MAINS WATERS PIPEWORK SHALL BE NON-METALLIC PIPEWORK – PLASTIC BARRIER PIPEWORK, MULTILAYER COMPOSITE PIPE SUITABLE FOR POTABLE WATER.
4. PROVIDE BALLOFF VALVES ON ALL FINAL CONNECTIONS TO FIXTURES.
5. ALL EXPOSED PIPEWORK TO FIXTURES SHALL BE CHROME PLATED.
6. ALLOW FOR DRAIN COCKS AT END OF ALL LOW LEVEL PIPEWORK BRANCHES.
7. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO IDENTIFY SUITABLE FINAL ROUTES FOR PIPEWORK.
8. ALL PIPEWORK IN PLANT ROOMS, ATTIC SPACES, CEILING VOIDS AND SERVICES RISERS SHALL BE INSULATED AS SPECIFIED IN THE TENDER DOCUMENTS.
9. FINAL PLANT ROOM LAYOUTS TO BE AGREED PRIOR TO COMMENCEMENT OF WORKS. ALL SHALL BE APPLIED STRICTLY IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS.
10. THERMAL BLANKETS SHALL BE SUPPLIED & INSTALLED TO ALL VALVES IN THE PLANT ROOMS.
11. PIPEWORK RUN AT HIGH LEVEL/IN CEILING VOID/IN ATTIC SPACE SHALL GENERALLY BE MOUNTED IN W/D PIPEWORK CLIPS C/W INSULATION INSERTS OR W/11 BRACKETS C/W INSULATION INSERTS MOUNTED ON GALVANISED STEEL SUPPORTS. ALL SUPPORTS SHALL BE SECURED TO THE STRUCTURE. LIAISE WITH STRUCTURAL ENGINEER PRIOR TO COMMENCING WORKS.
12. THE MECHANICAL CONTRACTOR SHALL ALLOW FOR OFFSETS IN PIPEWORK AS REQUIRED FOR COORDINATION WITH SERVICE OPENINGS, STRUCTURAL ELEMENTS AND OTHER SERVICES.
13. ALL PIPED SERVICES PENETRATIONS THROUGH WALLS AND FIRE COMPARTMENTS SHALL BE SLEEVED. SLEEVES SHALL BE IN ONE LENGTH AND SHALL BE FIXED SQUARE AND FLUSH WITH THE SURFACE OF THE FINISHED WALL/COMPARTMENT. THE SLEEVES SHALL BE BUILT INTO THE WALL/COMPARTMENT AND SUITABLY FIRE SEALED.
14. THE MECHANICAL CONTRACTOR SHALL ALLOW FOR DRAINING DOWN THE EXISTING DOMESTIC WATER SYSTEM AS REQUIRED TO FACILITATE WORKS AND FOR REFILLING AS REQUIRED FOLLOWING COMPLETION OF WORKS.
15. FINAL LOCATION OF ALL CONNECTIONS TO EXISTING SYSTEMS TO BE AGREED ON SITE PRIOR TO COMMENCEMENT OF WORK. MODIFICATIONS TO EXISTING SYSTEMS TO BE AGREED WITH THE BUILDING SERVICES ENGINEER PRIOR TO COMMENCING WORKS.

FIRE FIGHTING NOTES:

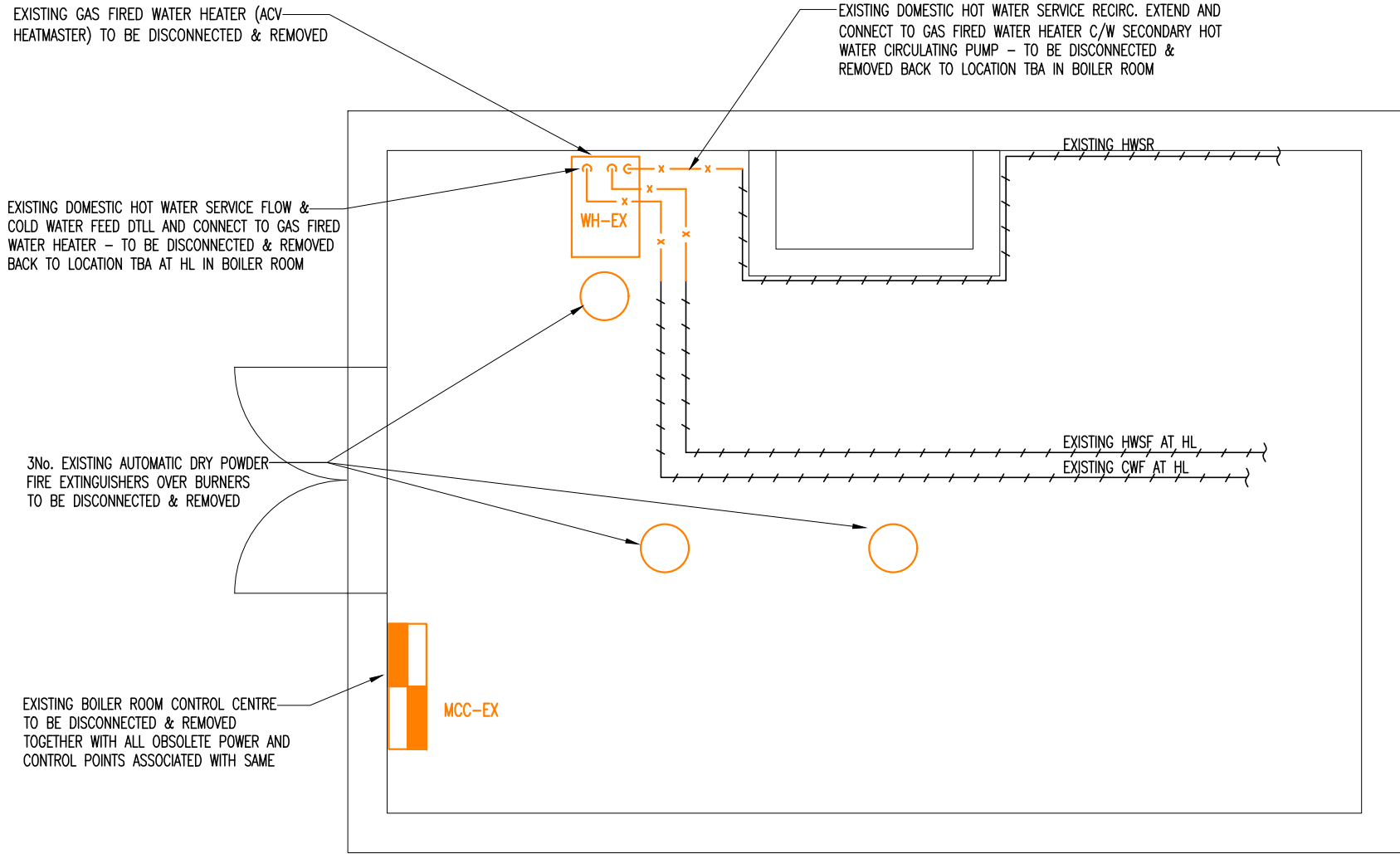
1. FIRE EXTINGUISHER INSTALLATION SHALL BE IN ACCORDANCE WITH I.S. 291:2015+A1:2022 SELECTION, COMMISSIONING, INSTALLATION, INSPECTION AND MAINTENANCE OF PORTABLE FIRE EXTINGUISHERS.
2. ALL ELECTRICAL DISTRIBUTION BOARDS SHALL HAVE A CARBON DIOXIDE FIRE EXTINGUISHER LOCATED ADJACENT TO THEM.
3. EXTINGUISHERS MUST NOT BE PLACED OVER, OR ADJACENT TO RADIATORS OR HEAT EMITTING APPLIANCES.
4. EXTINGUISHERS MUST NOT BE LOCATED WHERE THEY MAY BE EXPOSED TO CORROSIVE ATMOSPHERES OR TO SPLASHING BY CORROSIVE FLUIDS.
5. ALL FIRE POINTS SHALL HAVE SUITABLE SIGNAGE WHICH MARK LOCATIONS IN ACCORDANCE WITH I.S. 291:2015 AND THE SAFETY, HEALTH AND WELFARE AT WORK ACT (1995) REGULATIONS. PARTICULAR ATTENTION SHOULD BE PAID TO FIRE POINTS NOT IN DIRECT VIEW.
6. EXTINGUISHER LD TAGS SHALL BE DISPLAYED ABOVE EACH EXTINGUISHER WHICH EXPLAINS USES AND HAZARDS IN ACCORDANCE WITH I.S. 291:2015+A1:2022.

DOMESTIC WATER SERVICES LEGEND:

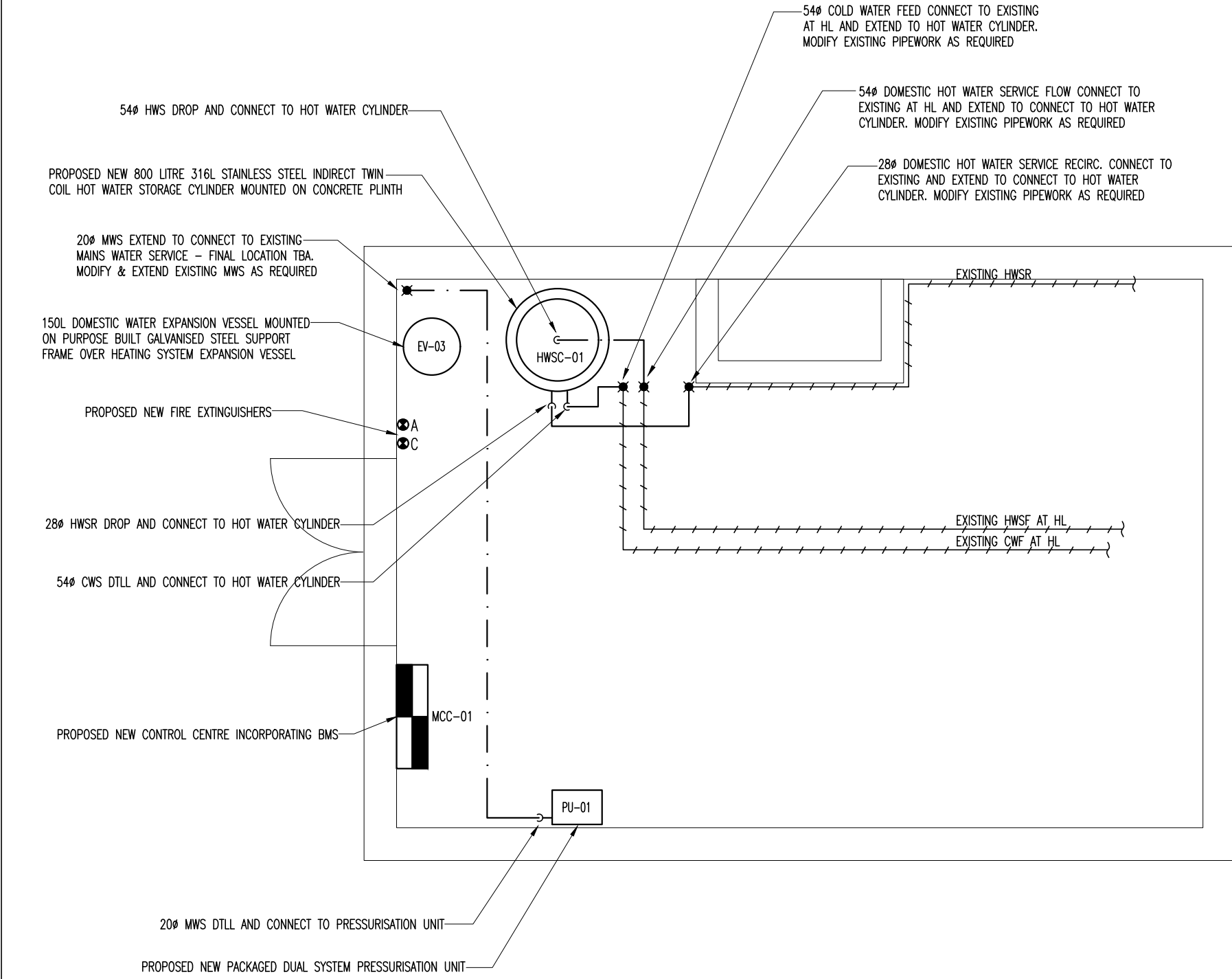
- PIPED SERVICE AT LOW LEVEL
- - - - PIPED SERVICE AT HIGH LEVEL
- - - - - EXISTING PIPED SERVICE – RETAINED/MODIFIED

FIRE FIGHTING LEGEND:

- A PORTABLE FIRE EXTINGUISHER – AFFF FOAM (6 LITRE CAPACITY)
- C PORTABLE FIRE EXTINGUISHER – DRY POWDER (8KG CAPACITY)



1 EXISTING DOMESTIC WATER SERVICES LAYOUT  
1:50 @ A1



2 PROPOSED DOMESTIC WATER SERVICES LAYOUT  
1:50 @ A1

|                                                                                                                                                                                                |              |                                                        |       |         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------------------------------------------|-------|---------|
|                                                                                                                                                                                                |              |                                                        |       |         |
| A                                                                                                                                                                                              | Tender Issue | 23-Jun-2026                                            | FD    | JG      |
| Revisions                                                                                                                                                                                      | Description  | Date                                                   | Drawn | Checked |
| <div><div></div><div>STUDIO 22<br/>WATERFORD BUSINESS PARK,<br/>CORK ROAD,<br/>WATERFORD,<br/>IRELAND<br/>TEL: 051-879371<br/>FAX: 051-853188<br/>EMAIL: info@geaneyengineering.ie</div></div> |              |                                                        |       |         |
| project title:<br><b>Emergency Works Scheme<br/>Boiler Upgrade at<br/>St. Kevin's Community College<br/>Fonthill Rd, Clondalkin, Dublin 22</b>                                                 |              |                                                        |       |         |
| drawing title:<br><b>Domestic Water Services Layout</b>                                                                                                                                        |              |                                                        |       |         |
| scale:                                                                                                                                                                                         |              | 1:50 @A1                                               |       |         |
| project number:                                                                                                                                                                                |              | drawing number:<br><b>0841      Volume A. 3.3 - M3</b> |       |         |