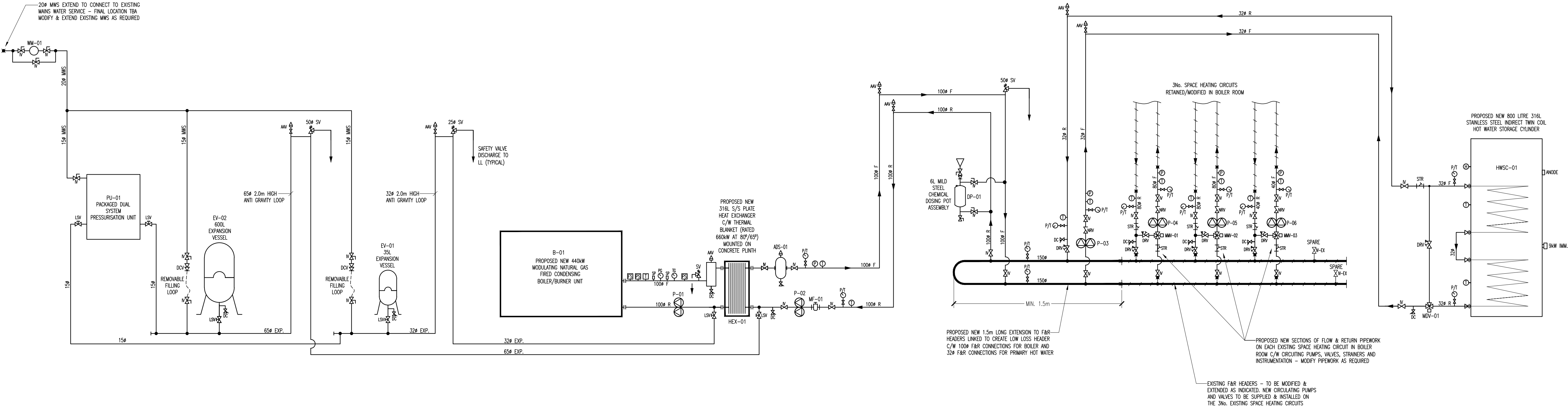




- GENERAL NOTES
- 1) Do not scale services equipment from this drawing.
 - 2) All dimensions should be checked on site.
 - 3) Any drawing errors or divergences should be brought to the attention of Geaney Engineering Consultants at the address shown below.
 - 4) Drawing to be read in conjunction with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

- NOTES:
1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL MECHANICAL, ELECTRICAL, ARCHITECTURAL AND STRUCTURAL DRAWINGS & SPECIFICATIONS.
 2. ALL PIPED SERVICES, PLANT, EQUIPMENT, VALVES ETC. SHOWN ON THIS DRAWING ARE PART OF THE NEW INSTALLATION UNLESS INDICATED OTHERWISE.
 3. ALL PIPEWORK IN PLANT ROOMS, CEILING VOIDS AND SERVICES RISERS SHALL BE INSULATED AS SPECIFIED IN THE TENDER DOCUMENTS.
 4. THERMAL BLANKETS SHALL BE SUPPLIED & FITTED TO ALL NEW VALVES IN THE BOILER ROOM. ALL SHALL BE APPLIED STRICTLY IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS.
 5. TEMPERATURE/PRESSURE GAUGES SHALL BE 100mmØ (IMMERSION PROBE TYPE).
 6. ALL LTHW PIPEWORK TO BE MEDIUM GRADE STEEL UNLESS INDICATED OTHERWISE.
 7. FINAL PLANT ROOM LAYOUTS TO BE AGREED ON SITE PRIOR TO COMMENCEMENT OF WORKS.
 8. THE MECHANICAL CONTRACTOR SHALL ALLOW FOR DRAINING DOWN THE EXISTING HEATING SYSTEMS AS REQUIRED TO FACILITATE WORKS AND FOR RE-FILLING & BALANCING THE ENTIRE SYSTEMS AS REQUIRED FOLLOWING COMPLETION OF WORKS.
 9. 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.

- LEGEND:
- ISOLATION VALVE
 - ISOLATION VALVE - 1/4 TURN STOP COCK
 - NON RETURN VALVE
 - DOUBLE CHECK VALVE
 - "Y" STRAINER - LINE SIZE
 - MAGNETIC FILTER - LINE SIZE
 - FIXED ORIFICE DOUBLE REGULATING VALVE/COMMISSIONING SET
 - LOCK SHIELD VALVE
 - SAFETY VALVE - PADLOCK TYPE, SIZE AS INDICATED
 - AUTOMATIC AIR VENT - VALUED WINNIS TYPE C/W INTEGRAL LOCKSHIELD VALVE
 - DRAINCOCK
 - DUAL CIRCULATING PUMP
 - 3-PORT MOTORISED DIVERTING VALVE
 - 3-PORT MOTORISED MIXING VALVE (FOR WEATHER COMPENSATION)
 - AIR/DIRT SEPARATOR
 - WATER CHECK METER C/W PULSE OUTPUT (WIRED TO BMS)
 - 150# SAMPLE PORT
 - SAFETY THERMOSTAT
 - PRESSURE SWITCH
 - FLOW SWITCH
 - PRESSURE GAUGE
 - TEMPERATURE GAUGE
 - COMBINED TEMPERATURE & PRESSURE GAUGE, 100mmØ (IMMERSION PROBE TYPE) - VALUED
 - PRESSURE SENSOR (WIRED TO BMS)
 - TEMPERATURE SENSOR (WIRED TO BMS)
 - HIGH LIMIT THERMOSTAT (WIRED TO BMS)

A	Tender Issue	23-Jun-2026	FD	JG
Revision	Description	Date	Drawn	Checked
 GEANEY ENGINEERING CONSULTANTS STUDIO 22, WATERFORD BUSINESS PARK, CORK ROAD, WATERFORD, IRELAND. TEL: 051-879371 FAX: 051-853188 EMAIL: info@geaneyengineering.ie				
project title: Emergency Works Scheme Boiler Upgrade at St. Kevin's Community College Fonthill Rd, Clondalkin, Dublin 22				
drawing title: Proposed LTHW Heating Services Schematic				
scale: NTS				
project number: 0841		drawing number: Volume A. 3.3 - M5		