Defence Infrastructure Organisation

Gas Safety Management Plan (Section A)

Gloucester Eastern Ave ARC ACF ATC

18/02/2025

Produced to meet the requirements of the Gas Safety (Installation and Use) Regulations 1998

(Gas Safety Management Plan (Section B) covers the requirements of the Gas Safety (Management) Regulations 1996

ESTABLISHMENT KEY PERSONALITIES (GAS) CONTACTS

Role	Name	Tel No.	Email
Head of Establishment	Lt Col Oliver Bevan	07802 881277	Oliver.Bevan144@mod.gov.uk
Establishment's SHEF	WO2 S Barnes AFPA 6 RIFLES	07946 720697	Steve.barnes163@mod.gov.uk
Establishments 4C's Coordinator	Fritz Freeman	07555 207062	fritz.freeman250@mod.uk
Senior DIO Estate Representative or Equivalent	Mark Cubitt	07955 280440	wx-est-hd@rfca.mod.uk
Site DIO Estate Representative or Equivalent	Mark Armstrong	07508 129987	wx-est-mgr3@rfca.mod.uk
MMO Site Manager or equivalent	Paul Wakeford	07356101565	Paul.wakeford@vivodefence.com
Gas Safety Manager (GSM)	Justin Westcott	07793222820	Justin.westcott@vivodefence.com
Gas Responsible Person (GRP)	Jason Cuthbert	07592112763	Jason.cuthbert@vivodefence.com

The Content of this Gas Safety Management Plan (GSMP) have been Approved by the Gas Safety Manager:

Signature: JP Westcott **Date: 18/02/2025**

Authorisation for Implementation
The content and format of this GSMP has been agreed and authorised for implementation by Defence Infrastructure Organisation Technical Services Principal Gas Engineer (DIO TS PGE) and a unique reference number has been generated to support this.

Approved – J Obbard PGE – 28th June 2022

The Content of this GSMP have been agreed by the Senior DIO Estate Representative or Equivalent and future works following the findings will be supported:

Signature: M Cubitt **Date: 28/04/2025**

The content of this GSMP have been agreed by the Head of Establishment and future works following the findings will be supported

Signature: O.Bevan **Date: 04/06/25**

REVIEWS AND AMMENDMENTS

GSMPs are 'living documents' that should be subject to continual review and updating as required. Although the level of attention required will vary considerably depending on the size and complexity of each site, GSMPs should be reviewed at least once per quarter by the GRP, unless otherwise agreed by the PGE. Although it is likely that changes are not required at each review, the date of review and any changes made should be indicated on the tables below. The review of the GSMP will include a site visit to ensure that the site and the content of the GSMP remain valid. The reviews and amendments made will be deleted during the DIO TS three yearly review when the GSMP is re-authorised by the PGE.

Date	Page No.	Amendment
18/02/2022	All	Initial Development
04/08/2022	3	Updated Gas Supplier Details to Total Energies
04/08/2022	9 & Annexes	Added Gas Line Drawings, Gas Layout Drawing Details & Icon
29/09/2022	N/A	No Amendments Required
22/12/2022	N/A	No Amendments Required
27/03/2023	N/A	No Amendments Required
12/06/2023	N/A	No Amendments Required
18/09/2023	N/A	No Amendments Required
29/12/2023	N/A	No Amendments Required
29/03/2024	Section 6	Updated Gas Appliances and Catering & Plantroom SSOV Checks
27/06/2024	N/A	No Amendments Required
27/09/2024	ii & 2	Added New Head of Estates Details
18/10/2024		GSM re-authorisation (previously authorised 29/03/2024)
31/12/2024	N/A	No Amendments Required
18/02/2025	1.4	Updated GSM and gas RP details
18/02/2025	1.4	Updated Vivo gas emergency contact Number.

Date	Reviewed by	Authorised by	Comments
25/03/2022	M Fenwick	N King	Initial Review
29/09/2022	M Fenwick	M Fenwick	Quarterly Review
22/12/2022	M Fenwick	M Fenwick	Quarterly Review
27/03/2023	M Fenwick	M Fenwick	Quarterly Review
12/06/2023	M Fenwick	N King	Annual Review
18/09/2023	M Fenwick	M Fenwick	Quarterly Review
29/12/2023	M Fenwick	M Fenwick	Quarterly Review
29/03/2024	M Fenwick	N King	Quarterly Review
27/06/2024	M Fenwick	M Fenwick	Annual Review
27/09/2024	M Fenwick	M Fenwick	Quarterly Review
18/10/2024	Neville King	Neville King	GSM re-authorisation
31/12/2024	M Fenwick	M Fenwick	Quarterly Review
27/01/2025	M Fenwick	M Fenwick	DNV De-Mobilisation Review / Handover
18/02/2025	J Cuthbert		Quarterly Review
18/02/2025	J Westcott	J Westcott	Initial review / approval

FORWARD

MOD, as a gas conveyor within Great Britain, has submitted an Exemplar Gas Safety Case (MOD GSC) to demonstrate compliance with the Gas Safety (Management) Regulations 1996 (GS(M)R). Maintenance Management Organisations (MMO's) are engaged who have the overall contractual responsibility to operate and maintain the gas network assets under their Contract, including the management of the safe flow of gas within the system and the provision of an emergency service. The MOD delegate specific duties to the MMO but accountability for gas safety on each site rests with the Head of Establishment.

Whilst gas downstream of the Emergency Control Valve (ECV) fall outside of the scope of (GS(M)R) similar criteria as those referred to above must be accommodated within an appropriate management system. The specific criteria required to adequately manage gas infrastructure downstream of the ECV are described in the Gas Safety (Installation and Use) Regulations 1998 (GS(IU)R).

The MOD GSC considers all parts of the MOD estates gas supply system that forms part of the gas supply network. This includes all parts of the MOD gas network from the Bulk Primary Meter Installation to the individual gas appliances and the safe release of the products of combustion. The MOD GSC considers primarily those matters that relate to the management of the safe flow of gas within the system and the provision of an emergency service for all aspects of the gas system.

Following initial approval of the Gas Safety Management Plans (GSMPs) by the DIO Principal Gas Engineer (PGE), the Gas Safety Manager (GSM) is required to reapprove this GSMP annually. GSMPs must be submitted to DIO PGE every three years for authorisation.

GSMP Section A document contains site specific details of the establishments utilisation infrastructure to assist with measures to ensure compliance with the GS(IU)R for installation pipework and associated components.

GSMP Section B documents contain site specific details and arrangements as a direct annex to the MOD GSC in line with the Gas Safety (Management) Regulations 1996 (GS(M)R).

GSMP Section C document contains site specific details and requirements of the establishment's LPG networks.

Although the legal status of this document applies in the UK only, the MOD apply the same requirements to the management of gas on its overseas estate, in accordance with the currently published Secretary of State's Health and Safety policy statement.

Contents

1 THE DUTY HOLDER AND ESTABLISHMENT LEVEL KEY PERSONALITIES

1.1. Gas Safety Case Duty Holder.	
The duty holder for the MOD Gas Safety Case is the Permanent Under Secretary for Defence (PUS). However, day to day responsibility for the preparation and maintenance of the document is delegated to the DIO TS Head of Engineering and Construction, who also has the responsibility for managing the system in accordance with the Safety Case. PUS delegates maintenance responsibility to the Top-Level Budget Holders (TLB's), to manage safety of the gas network. The TLB's utilise MOD Contracts i.e. MMOs who have responsibility for maintaining the gas network on behalf of the MOD.	
Name: Address:	Permanent Under Secretary Main Building Horse Guards Parade Whitehall London SW1A 2HB

1.2. DIO Technical Services Principal Gas Engineer (PGE).	
The PGE assumes the role of Senior Authorising Authority which is a term used within the MOD to recognise the authority of the person responsible for overseeing the appointment of, and auditing Authorising Engineers (AEs). For Gas the AEs are replaced by Gas Safety Managers (GSMs).	
Name: Address: ☎: ✉:	Jeremy Obbard DIO HQ Whittington Barracks Lichfield WS14 9TJ 07748 903260 Jeremy.obbard100@mod.gov.uk

1.3. Establishment Personalities.		
Name of Establishment:	Gloucester Eastern Ave ARC ACF ATC	
Establishment Address:	Gloucester Eastern Ave ARC ACF ATC 216 Eastern Ave Gloucester GL4 3BD	
Head of Establishment (HoE) (This is the most senior MOD person identified, by the chain of command, as responsible for the establishment. The HoE holds accountability for ensuring site compliance with the requirements of GSMR and the MOD GSC, including this GSMP.)	Name: Position: Organisation: Address: ☎: ✉:	Lt Col O Bevan CO 6 RIFLES CO British Army, MoD BN HQ 6 RIFLES Block 7 Wyvern Bks Exeter Devon EX2 6AR 07802 881277 Oliver.Bevan144@mod.gov.uk

Senior DIO representative or equivalent (This may be the SEFM, but will vary depending on the contract this establishment falls under)	Name: Position: Organisation: Address: ☎: ✉:	Mark Cubitt Head of Estates Wessex Reserve Forces' & Cadets' Association Mount House Mount Street Taunton Somerset TA1 3QE 07955 280440 wx-est-hd@rfca.mod.uk

1.4. **Maintenance Management Organisation (MMO).**		
The MMO for this establishment is:		**VIVO**
Gas Emergency Helpdesk (Typically, MMO Helpdesk) (24 Hours) **Note:** Please do not contact the general public National Gas Emergency Service for suspected gas escapes on RFCA infrastructure.	Organisation: ☎:	VIVO Helpdesk Helpdesk 25 Goodlass Road Hunts Cross Liverpool L24 9HJ 0800 030 9320
Gas Safety Manager (GSM)	Name: Organisation: Address: ☎: ✉:	Justin Westcott Vivo Defence Bldg. 003, CTCRM Lympstone Nr Exmouth Devon EX8 5AR 07725 038039 Justin.westcott@vivodefence.com
Gas Responsible Person (GRP)	Name: Organisation: Address: ☎: ✉:	Jason Cuthbert Vivo Defence Imjin Barracks Innsworth Gloucester Gloucestershire GL31HW 07592 112763 Jason.cuthbert@vivodefence.com

1.5. Additional Gas Contacts.		
External Gas Distribution Network (EGDN)	Organisation: Address: ☎: ✉:	Wales & West Utilities Wales & West House, Spooner Close, Celtic Close Coedkernew Newport NP10 8FZ 0800 912 2999 Steve.Harding@WWUtilities.co.uk
Gas Supplier	Organisation: Address: ☎: ✉:	Total energies Gas & Power 55-57 High Street Redhill Surrey RH1 1RX 01737 275 746 gp.redhill.ccs@totalenergies.com
LPG Supplier	Organisation: Address: ☎: ✉:	Not Applicable, no bulk LPG on site.
Meter Asset Manager (MAM)	Organisation: Address: ☎: ✉:	Energy Assets Ltd 6 Almond vale Business Park Almond vale Way Livingston Scotland. EH54 6GA 01506 405 405 RalphReekie@EnergyAssets.co.uk
National Gas Emergency Centre (24 Hours)	☎:	0800 111 999

2 SITE SPECIFIC DETAILS

2.1 Site Overview.

A brief description of the establishment and its current use. This should include how many separate sites are present and the number of buildings being supplied by gas.

Gloucester Eastern Ave ARC ACF ATC is a single site establishment with seven buildings on site, two of which are supplied by gas.
The main building has three service entries and is supplied by a Low Pressure (LP) MoD distribution Network.
The ACF building has two single supply gas meters supplied direct from the EGDN Low Pressure (LP) distribution Network. These single supply meters feed the Caretakers House and the ACF classrooms within this building.

The main Building is used for Office Space, Kitchen, Drill Hall (including events), stores, Gymnasium, classrooms and a bar/lounge.

The site is currently occupied by the REME 160 Theatre Support Company Detached Platoon, A Company 6 Rifles, Army Medical Services Gloucester Detachment 243 Field Hospital, Royal Signals Whiskey Troop, 53 (Wales and Western) Signal squadron, C Company Gloucestershire Army Cadet Force and the 181 (City of Gloucester) Air Training Cadets.

Day to Day there are around 20 people on site and there can be up to 200 people on site when there are functions, events or parades.

2.2 Natural Gas.

A brief description of the natural gas installations, including how many MOD networks are present, the number of buildings each MOD network supplies and how many buildings are supplied direct from the EGDN. This should also include any demarcations in place between stakeholders and responsibilities.

There is one single stream bulk fiscal meter on site supplied at Low pressure by the EGDN network (Wales & West Utilities). This meter then supplies the MoD network at 22.9 mbar with one building (main building, 3 service risers) fed from the MoD network. The bulk fiscal meter is in a brick-built meter house adjoined to the South end of the main building within the wire.

Bulk Fiscal Meter – Elster BK G40M
S/N – M065 K12257 14 D6
65 m/3hr
MPRN - 3800901

The EGDN network enters the Bulk Fiscal Meter house in 3” steel and continues through the EGDN ECV and single stream MAM owned and operated regulator and gas meter. The meter outlet valve is the demarcation point between the EGDN distribution network and the MoD distribution network.
The gas pipework continues in 3” steel after the meter outlet and through the meter outlet valve up to a tee section.
On one side of the tee the gas pipe reduces to 1½” steel and transitions to 32mm PE before dropping below ground to feed the kitchen.

The second tee outlet reduces to 2” steel and continues through the gas meter house directly into the plant room.
There is a tee section before the plant room entry with a 1¼” outlet which drops below ground to feed the annexe water heater.

The MoD network begins after the Bulk Fiscal meter outlet valve. The MoD is responsible from the Bulk Fiscal meter outlet valve up to and including the appliances in the buildings.
The buried section to the kitchen is thought to be primarily PE and the buried section to the annexe is thought to be of steel construction.
A pipeline survey is required to confirm pipe size, material, depth and length of the buried section of MoD network.
The MoD network pipework is thought to have been installed in the mid 2000’s.
The total load on the bulk fiscal meter is 394.5 KW.
There is a mix of steel and PE pipe within the network.
The Gas Safety Management Plan Part B will contain all Network information.

Main Building

Plant Room

The gas enters the plant room in 2” steel and continues into the plant room for 2 metres before the ECV. The gas continues through a solenoid valve before feeding two heating boilers

Annexe

From the buried MoD distribution network the gas enters the Annexe Calorifier room at high level via a 1¼” steel riser. The external riser is in a ventilated duct and is not exposed. The ECV is 1 metre into the calorifier room. The gas continues through a dead weight valve to feed the single water heater.

Kitchen

From the buried MoD distribution network the gas enters the kitchen via a 1¼” steel riser with an external isolation valve fitted, marked up as an emergency valve. The gas pipework on entry to the building is not accessible due to the water heater installation.
There is an accessible valve 0.5 metres into the kitchen which will isolate both appliances.
The gas pipe transitions to 22mm copper on the inlet to feed the water heater and 6 Burner Range Oven. There is a solenoid interlocking valve on the gas supply to the 6 Burner Range Oven.
The external valve marked up as the emergency valve is currently the demarcation point between the MoD network and installation pipework.

Single Supply Meters

Caretakers House

The EGDN distribution gas pipe exits the ground in a 20mm PE service entry before entering the Caretakers House. The pipework briefly transitions to 20mm steel before running through the EGDN ECV and the MAM owned and operated single stream regulator and gas meter. The MoD responsibility begins on the Meter outlet.

The gas pipework transitions to 28mm copper on the meter outlet to feed a gas combi boiler, cooker and fire within the Caretakers house. The installation pipework is fed at 21.7 mbar.

Single Supply Meter – Landis & Gyr
S/N – E6 S0031185 07 52
65 m/3hr
MPRN - TBC

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ACF Classrooms

The EGDN distribution gas pipe exits the ground in a 20mm PE service entry before entering the external wall mounted gas meter box. The pipework continues through the EGDN ECV and the MAM owned and operated single stream regulator and gas meter. The MoD responsibility begins on the Meter outlet.
The gas pipework transitions to 22mm copper on the meter outlet and enters the building through the back of the gas meter box, continues to the 1st floor to feed a gas combi boiler. The installation pipework is fed at 23.9 mbar.

Single Supply Meter – Elster
S/N – G4 K0019520 14 01
6 m/3hr
MPRN - 4157776909

2.3 LPG Gas.

A brief description of the LPG installations, including how many compounds are at the establishment, condition and make up of each compound, the number and size (kg) of vessels in each compound, the number of LPG MOD networks, the number of buildings supplied from the LPG MOD networks, how many buildings are supplied direct and not from an LPG MOD network. Details of the LPG pipework after the first stage regulator up to the building(s).

Note: The demarcation agreement between the LPG supplier and the MOD has been agreed and the MOD take responsibility from the outlet of the first stage regulator. The LPG supplier is responsible for the vessel, vessel associated components (excluding any earth bonding) pipework up to and including the first stage regulator.

No LPG on this establishment

2.4 External Installation Pipework.

A brief description of the external installation pipework (above or below ground) on each building. This is from the ECV to where it enters the building(s), the material, diameter, lengths, supports, conditions etc.

There is no external installation pipework

2.5 Details of buildings served.

A list of the buildings being supplied by gas via an MOD network, LPG compound or directly from the EGDN and the usage of the gas (catering, hot water, heating, fire training, etc) at the building.

Ser	Building Number	Building description	Supplied by	Gas usage
1	Main Building – Main Plant Room	Office space, meeting/conference rooms, stores, drill hall, gymnasium and a lounge/bar.	MoD Network	Heating
2	Main Building – Annexe	Classrooms	MoD Network	Hot Water
3	Main Building – Kitchen	Catering	MoD Network	Hot Water, Catering
4	Building 5 – Caretakers Flat	Accommodation	EGDN Single Supply	Heating, Hot Water, Catering
5	Building 7	Classrooms	EGDN Single Supply	Heating, Hot Water,

2.6 Additional details of buildings being served.

Any additional detail about a building that may be required or useful in an emergency or requires more details than captured above.

NOTE: This section is to be used to capture the Service Family Accommodation (SFA) properties where it is not practical to fit above.

N/A

3 METER DETAILS

3.1 Primary Meter Details.

The following table describes the basic arrangement of the primary meter installation(s). (These are the responsibility of the MAM)

NOTE: More detail on the primary meters that supply MOD networks can be seen in the GSMP part B.

Number of primary meter installations: 3

Meter Name / ID	MPRN	Supplying (MOD network ID or Bldg number)	location	Incoming pressure tier – HP, IP, MP, LP	Outlet pipeline				Max Flow (M^3 hr)
					P tier – HP, IP, MP, LP	Pressure (mbar)	Material	Diameter (mm)	
BPFM Gloucester Eastern Ave ARC ACF ATC	3800901	Network 001	Brick-built Meter House adjoined to the South End of the main Building	LP	LP	22.9	Steel	80	65
Single Supply Gloucester Eastern Ave ARC ACF ATC	TBC	ACF Building (Caretakers House)	External Meter Box on East side of building	LP	LP	NTP (21 NOM)	PE	20	6
Single Supply Gloucester Eastern Ave ARC ACF ATC	4157776909	ACF Building (Classrooms)	In Cupboard within Caretakers House	LP	LP	NTP (21 NOM)	PE	20	6

3.2 Utilisation Meter Details. (meters supplied directly from the MOD gas network)

The following table describes the basic arrangement of the utilisation meter installation(s). (These are the responsibility of the MOD)

Number of utilisation meter installations: 0 (Buildings Supplied by MoD Network are shown)

Meter Name / ID	Being supplied from (MOD network ID)	Inlet pipeline				Outlet pipework				Max Flow (M^3 hr)
		P tier – HP, IP, MP, LP	Pressure (mbar)	Material	Diameter (mm)	P tier – HP, IP, MP, LP	Pressure (mbar)	Material	Diameter (mm)	
Not Metered										
Main Building – Plant Room	Network 001	LP	NTP	Steel	50	LP	NTP (21 NOM)	Steel	50	N/A
Main Building – Annexe	Network 001	LP	NTP	Steel	32	LP	NTP (21 NOM)	Steel	32	N/A
Main Building – Kitchen	Network 001	LP	NTP	Steel	32	LP	22.7	Steel	32	N/A

4 DIAGRAMS AND DRAWINGS

4.1 Line diagrams for building(s) internal gas installation pipework.

This section is to contain line diagrams for building internal installation pipework and associated components. This diagram should be fixed to the building at a practical and accessible location as well as within any associated document centres. It may be embedded as a PDF to this document for online use.

NOTE: Drawings are only required for commercial installations or for installation in commercial settings (non-domestic use). This may mean more installations than listed in IGEM/UP/2 Edition 3 (4.2.14), depending on the installations intended use.

Drawing Number	Building	Comments
WX40-A-A3	Main Building Plant Room	Not to Scale Gas Line Drawing
WX40-A-A3	Main Building Kitchen	Not to Scale Gas Line Drawing
WX40-A-A3	Main Building Annexe	Not to Scale Gas Line Drawing
WX40-A-A3	Caretakers House	Not to Scale Gas Line Drawing
WX40-A-A3	Cadet Building	Not to Scale Gas Line Drawing
		WX40-A-A3.pdf

4.2 Additional drawings.

This section is to contain any additional drawings that may be required or may be of benefit to this GSMP or emergency procedures.

Drawing Number	Building	Comments
WX40-B-A1	Sitewide	Site Gas Layout Drawing
		WX40-B-A1.pdf

5 GAS INCIDENTS

5.1 Site reporting procedures for dealing with gas incidents.

This section is to contain the establishment's site-specific procedure for dealing with reports of gas incidents with regards the external installation pipework, internal installation pipework and equipment. Details of all individuals with responsibilities under this procedure should be included.

Procedure for an incident involving the gas installation on site:

- Call the VIVO helpdesk on 0800 030 9320, open 24 hours per day
- VIVO will contact the national gas emergency service & VIVO RP
- The EGDN shall attend and make safe a gas incident.
- The VIVO on call will attend if required.

6 GAS EQUIPMENT

6.1 Equipment List.
This section is to include details of all the gas equipment being used at the establishment.

Building number	Equipment location	Equipment type (make, model)	Serial Number	Appliance kW rating	Flue classification	Comments
MoD Network 1						
Main Building	Plant Room	Andrews R303 Heating Boiler	2208127004	121	Open Flue	Boiler No.1
Main Building	Plant Room	Andrews R303 Heating Boiler	2208127005	121	Open Flue	Boiler No.2
Main Building	Annexe	Andrews 62/341 Hot Water Boiler	E62/002364	102	Open Flue	
Main Building	Kitchen	Andrews RSC150 GB Water Heater	DF 9346510	9.5	Open Flue	
Main Building	Kitchen	Blue Seal G50D 6 Burner Range with Oven	308039	36	Open Flue	
Single Supply 1						
Building 5	Caretakers Flat	Ideal Esprit 2 30 Combi Boiler	XZ 20607700012002	27	Room Sealed	
Building 5	Caretakers Flat	Flavel Cooker	Not Visible	18	Flueless	
Building 5	Caretakers Flat	Valor 347 Firelite 4	Not Visible	5.5	Open Flue	
Single Supply 2						

Building 7	Landing Cupboard	Vaillant Ecotec Pro 28 R2	211044308511<<<<<1300088592N9	31.7	Room Sealed	

6.2 Additional equipment information.
This section is to contain any additional equipment information that may be required or may be of benefit to this GSMP or emergency procedures.

Safety shut off valves are required to be frequently checked every year in accordance with CRFCA hard FM task list: 160418-GL-EST-Task2Ser9-GasApplianceandPipework
A list of the checks is captured below.

160418-GL-EST-Task 2Ser09-GasAppliance

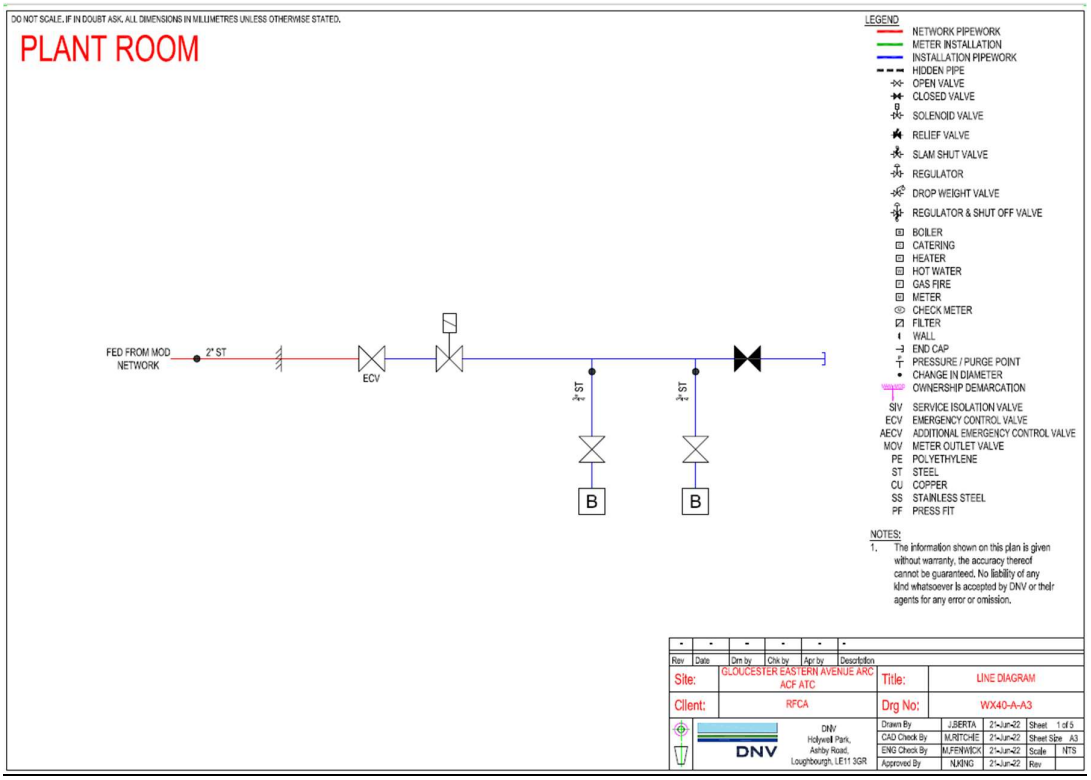
Kitchen Canopy Gas Interlock installed in main building Kitchen, with SSOV and emergency stop button by exit door. Confirmed as working on annual gas maintenance checks by inspection by supply chain Alsop & Pitts on 12/02/2024.

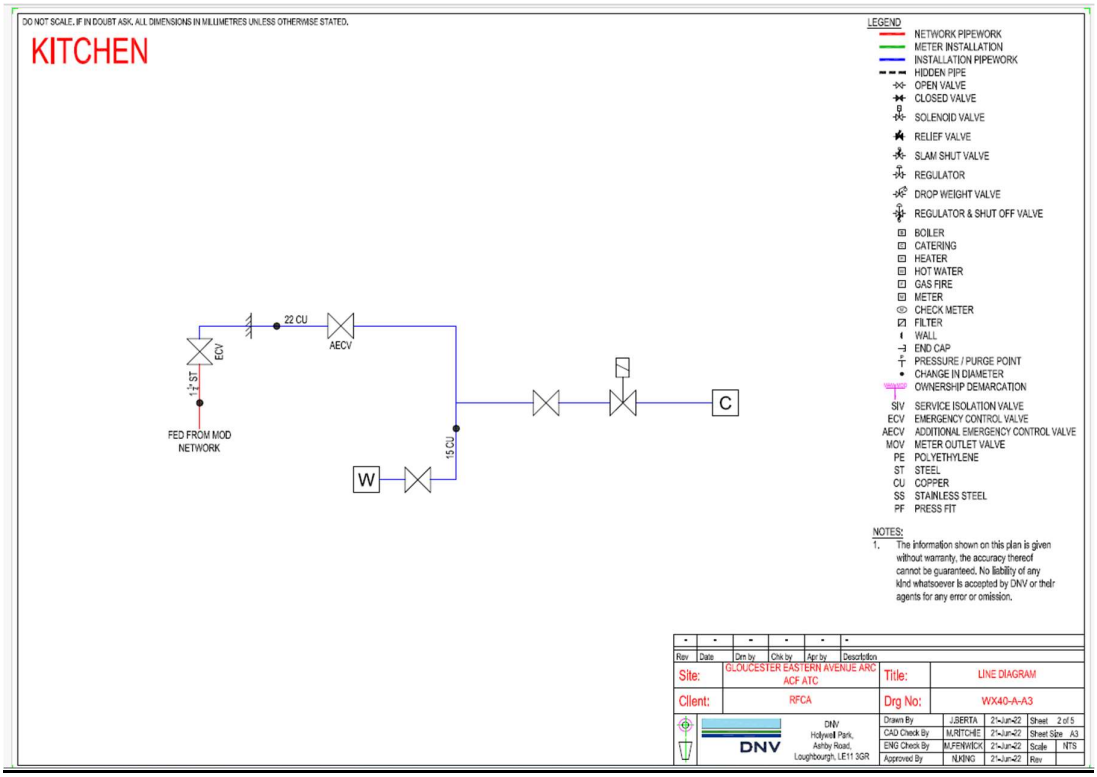
GLOUCESTER ARC JB50343 57645 PMV.

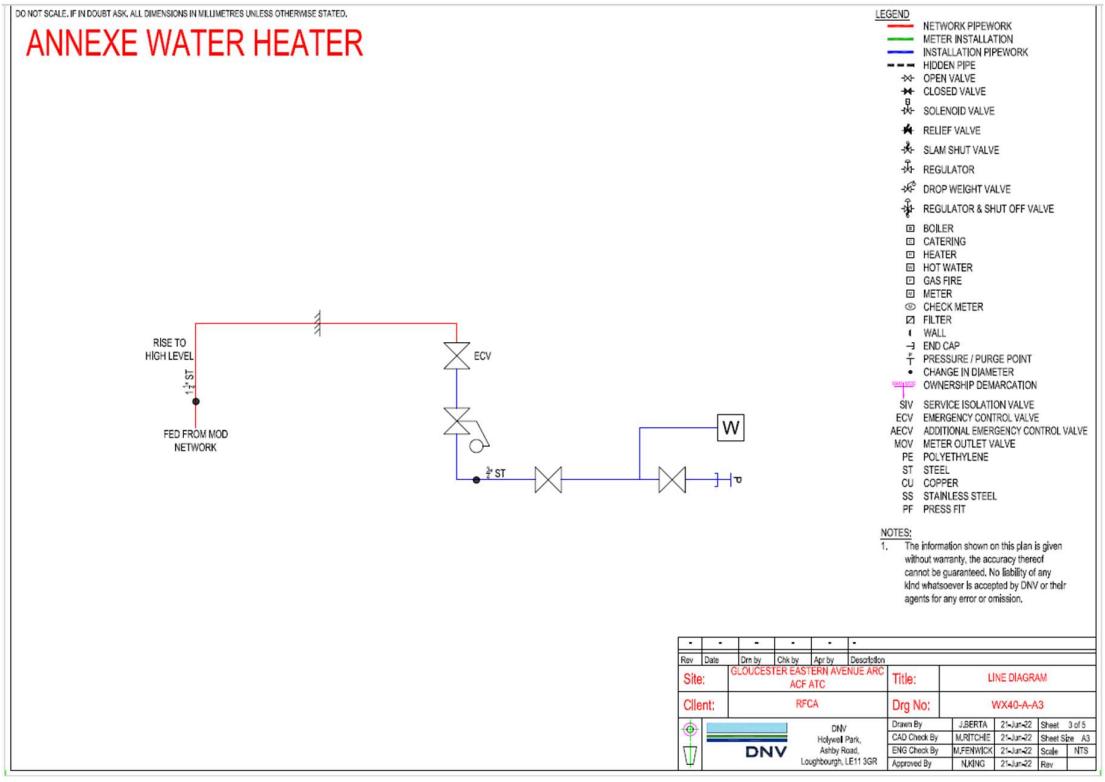
In-line solenoid observed in Main Building plantroom, believed to be fire alarm linked, unable to validate and test.

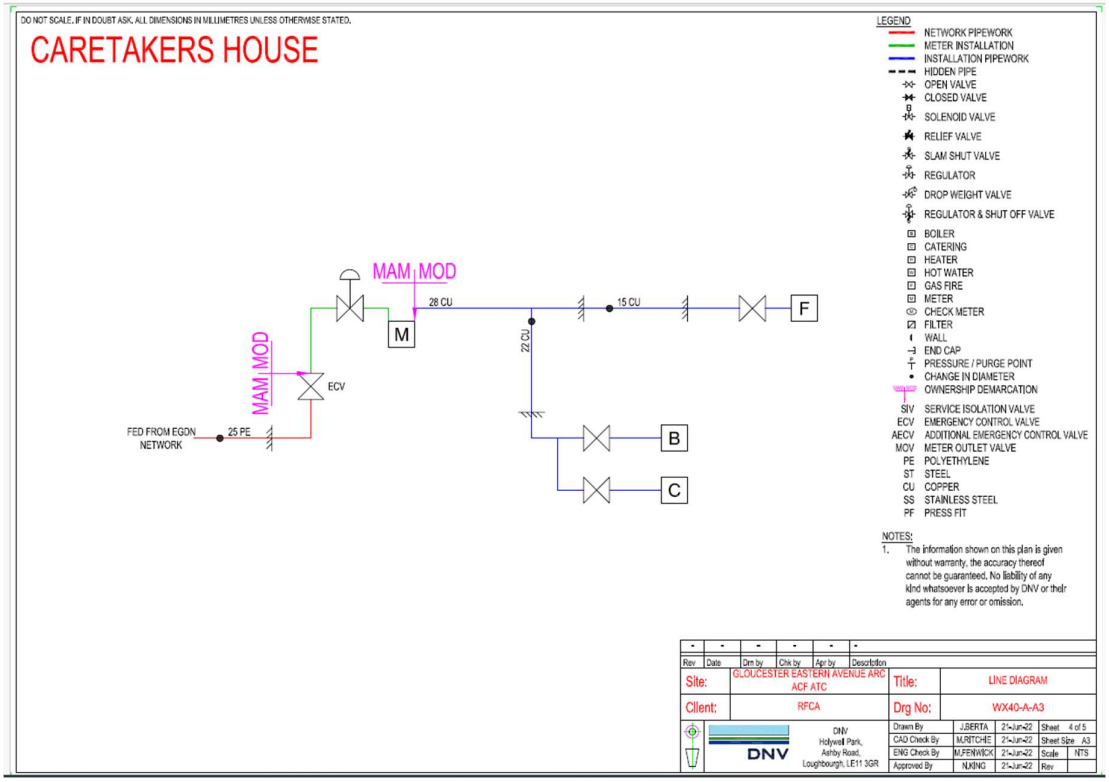
7 ANNEXES

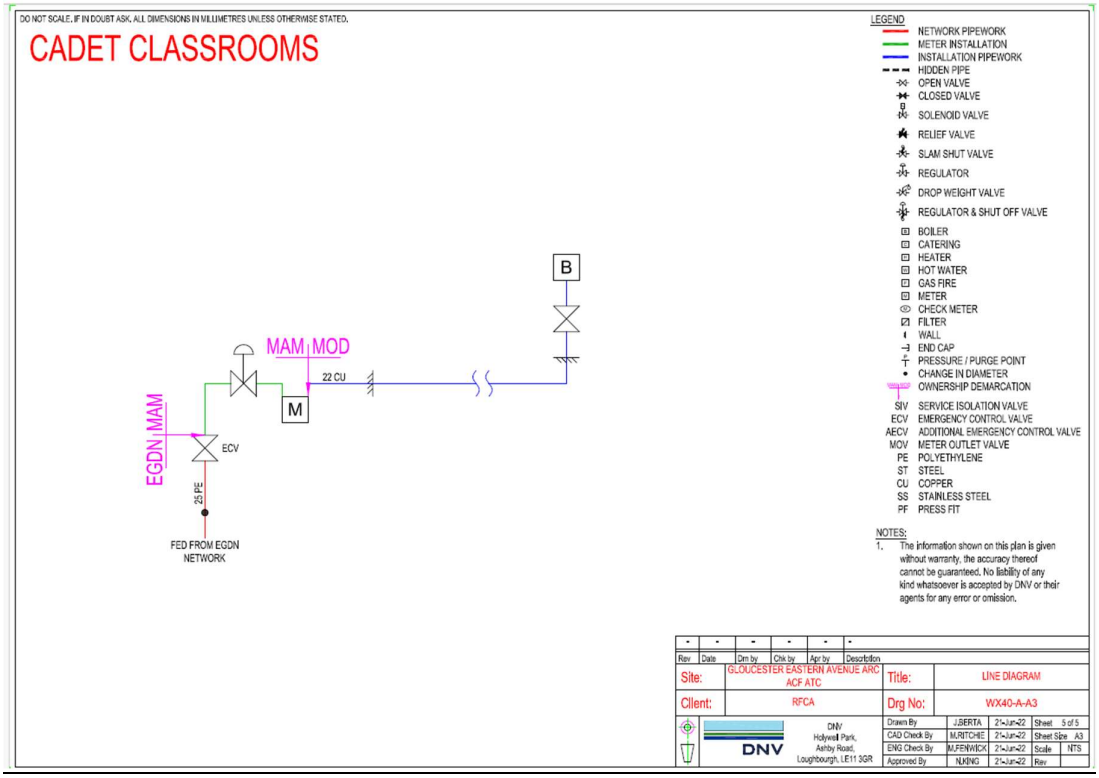
Gas Line Drawings






DO NOT SCALE. IF IN DOUBT ASK. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.
ANNEXE WATER HEATER
RISE TO HIGH LEVEL
1" ST
FED FROM MOD NETWORK
ECV
¾" ST
W
LEGEND
NETWORK PIPEWORK
METER INSTALLATION
INSTALLATION PIPEWORK
HIDDEN PIPE
OPEN VALVE
CLOSED VALVE
SOLENOID VALVE
RELIEF VALVE
SLAM SHUT VALVE
REGULATOR
DROP WEIGHT VALVE
REGULATOR & SHUT OFF VALVE
BOILER
CATERING
HEATER
HOT WATER
GAS FIRE
METER
CHECK METER
FILTER
WALL
END CAP
PRESSURE / PURGE POINT
CHANGE IN DIAMETER
OWNERSHIP DEMARCATION
SIV SERVICE ISOLATION VALVE
ECV EMERGENCY CONTROL VALVE
AECV ADDITIONAL EMERGENCY CONTROL VALVE
MOV METER OUTLET VALVE
PE POLYETHYLENE
ST STEEL
CU COPPER
SS STAINLESS STEEL
PF PRESS FIT
NOTES:
1. The information shown on this plan is given without warranty, the accuracy thereof cannot be guaranteed. No liability of any kind whatsoever is accepted by DNV or their agents for any error or omission.
Rev Date Drn by Chk by Apr by Description
Site: GLOUCESTER EASTERN AVENUE ARC ACF ATC
Title: LINE DIAGRAM
Client: RFCA
Drg No: WX40-A-A3
DNV
Holywell Park, Ashby Road, Loughbourgh, LE11 3GR
Drawn By JJBERTA 21-Jun-22 Sheet 3 of 5
CAD Check By MJRITCHIE 21-Jun-22 Sheet Size A3
ENG Check By MJFENWICK 21-Jun-22 Scale NTS
Approved By NJKING 21-Jun-22 Rev


DO NOT SCALE. IF IN DOUBT ASK. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.
CARETAKERS HOUSE
MAM MOD
28 CU
M
15 CU
F
22 CU
MAM MOD
ECV
FED FROM EGDN NETWORK
25 PE
B
C
LEGEND
NETWORK PIPEWORK
METER INSTALLATION
INSTALLATION PIPEWORK
HIDDEN PIPE
OPEN VALVE
CLOSED VALVE
SOLENOID VALVE
RELIEF VALVE
SLAM SHUT VALVE
REGULATOR
DROP WEIGHT VALVE
REGULATOR & SHUT OFF VALVE
BOILER
CATERING
HEATER
HOT WATER
GAS FIRE
METER
CHECK METER
FILTER
WALL
END CAP
PRESSURE / PURGE POINT
CHANGE IN DIAMETER
OWNERSHIP DEMARCATION
SIV SERVICE ISOLATION VALVE
ECV EMERGENCY CONTROL VALVE
AECV ADDITIONAL EMERGENCY CONTROL VALVE
MOV METER OUTLET VALVE
PE POLYETHYLENE
ST STEEL
CU COPPER
SS STAINLESS STEEL
PF PRESS FIT
NOTES:
1. The information shown on this plan is given without warranty, the accuracy thereof cannot be guaranteed. No liability of any kind whatsoever is accepted by DNV or their agents for any error or omission.
Rev Date Drn by Chk by Apr by Description
Site: GLOUCESTER EASTERN AVENUE ARC ACF ATC
Title: LINE DIAGRAM
Client: RFCA
Drg No: WX40-A-A3
DNV
Holywell Park, Ashby Road, Loughbourgh, LE11 3GR
Drawn By JJBERTA 21-Jun-22 Sheet 4 of 5
CAD Check By MJRITCHIE 21-Jun-22 Sheet Size A3
ENG Check By MJFENWICK 21-Jun-22 Scale NTS
Approved By NJKING 21-Jun-22 Rev



Gas Network Layout Drawing