

Sent Monday, 14 February 2022 11:41:44

F.A.O HAYDEN STEVE (GS ENERGY CONNECTIONS GIRS)

Cadent Gas Limited
Network Control
Brick Kiln Street, Hinckley LE10 0NA
Tel: 01455 893190 / 01455 892319
sco.networkcontrol@cadentgas.com
National Gas Emergency Service
0800 111 999* (24hrs)
*Calls will be recorded and may be monitored

FINAL CLEARANCE TO PROCEED

LOCATION: DISCONNECTION, OUTSIDE NO.12 MORRIS STREET, RADCLIFFE, M26 2GF **110050881**

Authorisation has been given under Network SCO number UKD/380849/ROU

The following details have been logged for this work. Please advise Network Controller of any changes, which must be checked and authorised.

WORK DETAILS

DISCONNECT, PURGE AND ABANDON ONE LP MAIN, APPROXIMATELY 56M X 125MM TO BE CUT BACK AND CAPPED AT THE 125MM PE PARENT MAIN.

START DATE 18/02/2022

FINISH DATE 18/03/2022

COMPETENT PERSON

DUNSTAN DANNY (GS ENERGY CONNECTIONS GIRS)

AUTHORISING ENGINEER

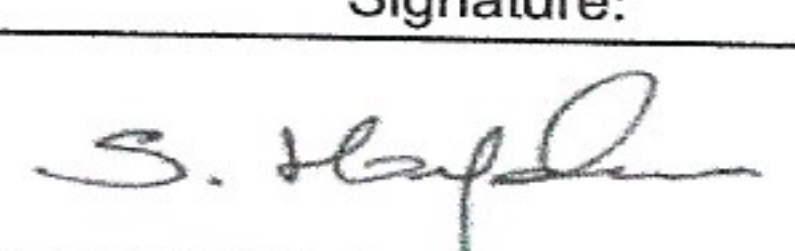
HAYDEN STEVE (GS ENERGY CONNECTIONS GIRS)

CLEARANCE CONDITIONS

Thank you

ROB GREGORY

ROUTINE OPERATIONAL PROCEDURE (GDN/PM/SCO/5)

A. Network Identifier: Cadent		B. Organisation: GS Energy Connections		C. Project / 3rd Party Ref: 110050881		D. RO Number: UKD/380849/ROU	
E. Originator: (Print Name) L. Hayden					F. Date raised: 08.02.22		
G. Location of work: Disconnection, Outside no.12 Morris Street, Radcliffe, M26 2GF						G1. Digipack Req'd N/A CONNECT	
H. Map References:		Start: E: 380122 N: 408189		End: E:		N:	
I. Outline of objectives: Disconnect, purge and abandon one LP main, approximately 56m x 125mm to be cut back and capped at the 125mm PE parent main.							
J 1. Start date/time:		18.02.22 - 08.00		J 2. End date/time:		18.03.22 -16.00	
K. Details of effect on gas supplies / other Gas Transporter networks / meter installations: None Anticipated							
Network Validation Checks Required: No							
L. Long term plant/mains outage		Start date/time:		None		End date/time: None	
M. Permit to Work required		NO		Specify PTW number(s):			
N. Preparatory work (Provide details in method statement below)		Will any customers be affected?				NO	
		Have they been notified?				Not Applicable	
		Is a pressure decay test required?				NO	
O. Prior to commencing work confirm that an on-site specific risk assessment has been completed and that the work site is set out in accordance with above objectives, company safety and engineering procedures.						CP Initials: DD	
P. Prior to commencing work confirm that all site operatives have been briefed on their roles and responsibilities associated with these works:						DD	
Q. Purge details/calculations (add supplementary sheets if required): See Appendix 3							
Decommissioning Detail: De-commission approx. 56m x 125mm PE LP main				Commissioning Details:			
R. Pipeline details		PON:		PON:		PON:	
Existing main	size: 125mm	length:	size:	length:	size:	length:	
New main	size:	length:	size:	length:	size:	length:	
New main	size:	length:	size:	length:	size:	length:	
Bypass	size: 32mm	Length 6m					
Rider	size:	length:					
Purge Vents	size: 1in 32mm	length: Min 2.5 agl					
S. Pressures		mbar		T. Authorising Engineer comments: AE Tel. Contact No: 07921 665710 CP Tel. Contact No: 07557 795261 Cadent Network Control No: 01455 893190 07929 181237			
Minimum allowable pressure required during operation to be inserted prior to authorisation		23mbar					
Actual pressure at start of operation		29 mbar					
Actual Pressure at end of operation		30 mbar					
U.		Name:		Signature:		Date:	
Authorising Engineer Authorised by:		Steve Hayden				08.02.22	
Network Controller Clearance to Proceed:							
Competent Person undertaking the work:		Danny Dunstan				22.2.22	
Note: If Authorising Engineer or Competent Person changes, contact Network Controller for a revised clearance to proceed. If it's the Authorising Engineer forward front copy of RO to Network Controller.							
V. Method Statement must be attached: See Appendix 4							

GAS ESCAPE CALL 0800 111 999

ROUTINE OPERATIONAL PROCEDURE (GDN/PM/SCO/5)

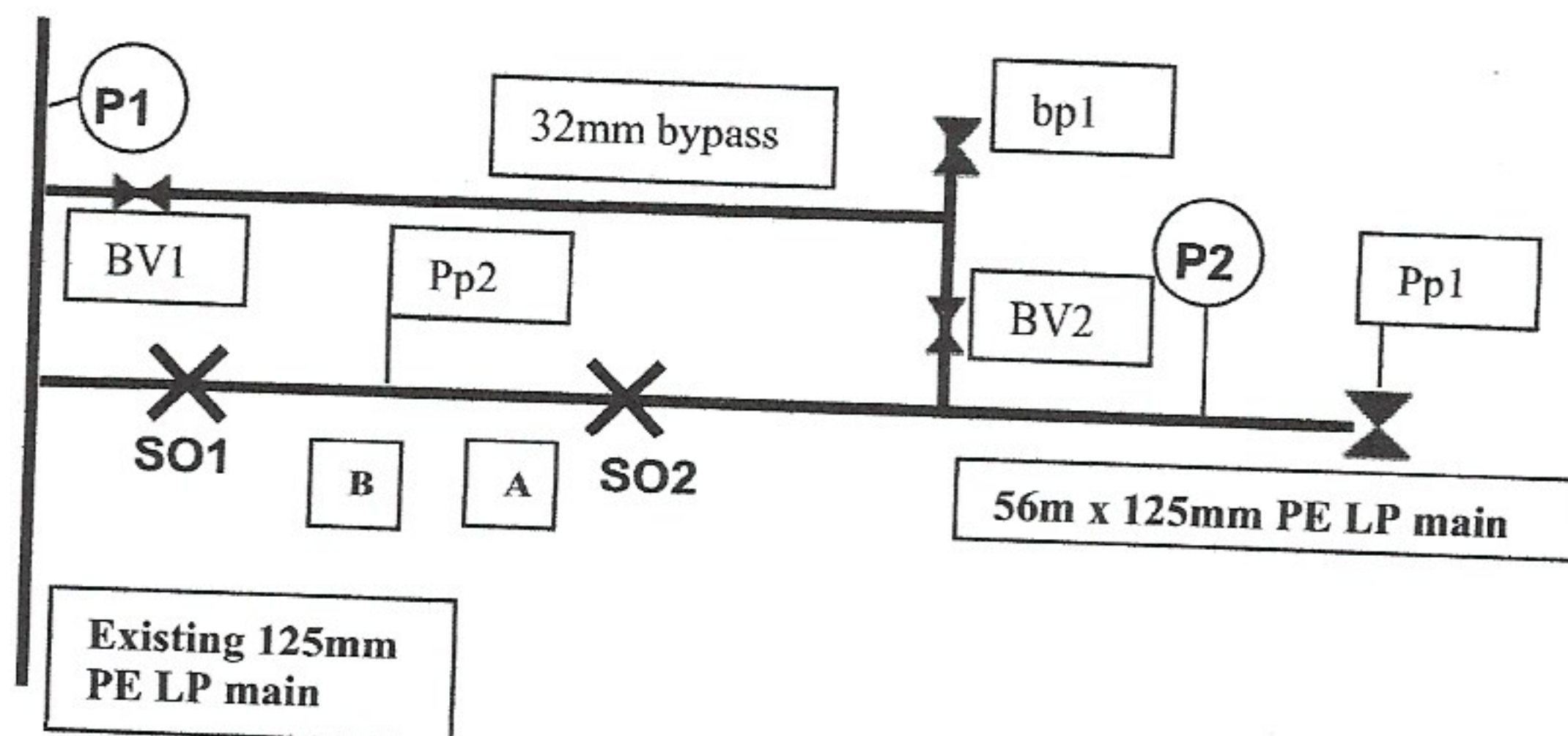
W. Enclosures (include all appropriate OS maps, schematic/spider Network Analysis profiles, purge calculations, etc):

drawings,

Routine Procedure No:
UKD/380849/ROU

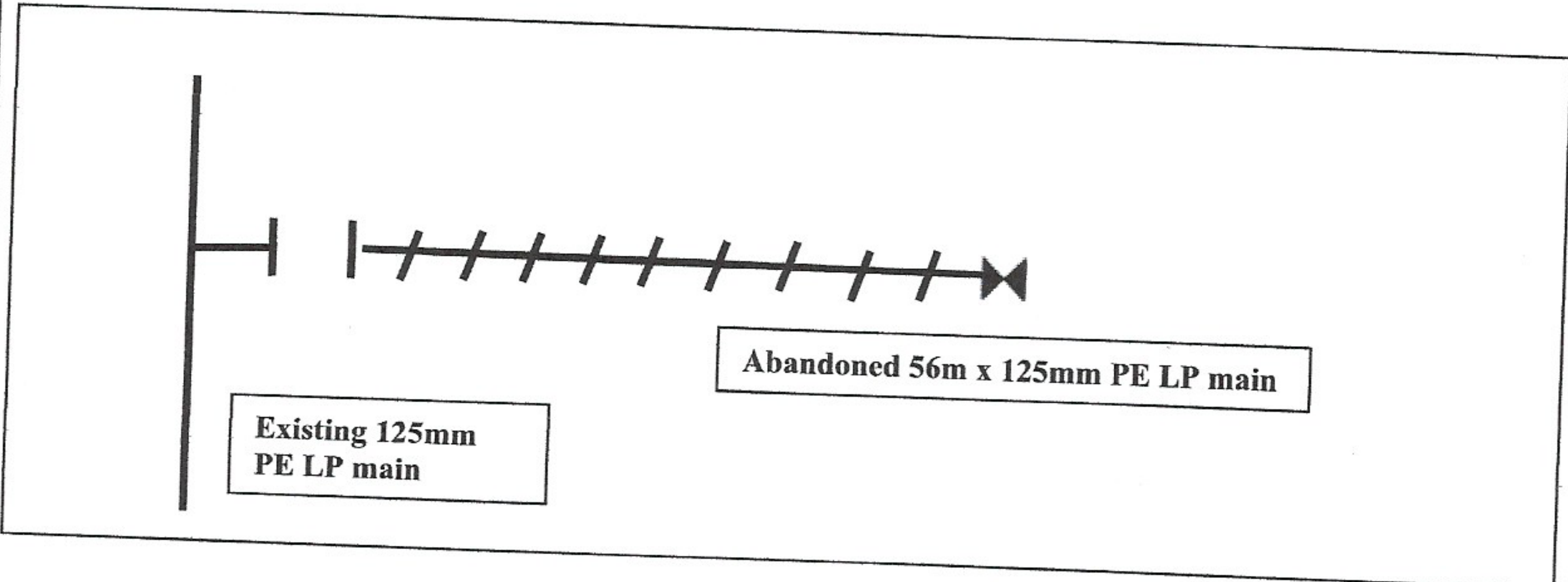
3rd Party Reference
No./Project No:
110050881

X1. Sketch of proposed Operations (If required insert an intermediate sketch)



Note: If sketch is inconsistent with site conditions, contact AE prior to starting as procedure may be aborted

X2. Sketch of completed Operations



X3. Comments on completion

Y. Operation Complete	C.P. Name (print):	Signature:	Date:
	<i>D. Donagan</i>		<i>22.2.22</i>

ROUTINE OPERATIONAL PROCEDURE (GDN/PM/SCO/5)

Appendix 1 – (Material and Plant)

Item	Description	Materials	
		Quantity	
Q1	32mm PE pipe and fittings for bypass, vent & pressure points	As required	
Q2	125mm PE cap end	2	
Q3			
Q4			
		Plant	
Item		Quantity	
Q7	Electrofusion box and leads	1	
Q8	Suitable generator	1	
Q9	Vent Stack(s)	1	
Q10	Pressure Gauge(s)	1	
Q11	Gascoseeker	2	
Q12	Squeeze off tools	1	
Q13	Alignment clamps	1	
Q14	Mini purge ejector	As required	
		1	

Appendix 2 – (Safety Equipment)

Item	Description	Safety Equipment	
		Quantity	
R1	9kg Dry Powder Fire Extinguisher	2	
R2	Fresh Air Breathing Apparatus	2	
R3	No Smoking Signs	2	
R4	Full PPE (Including Probanised Overalls)	1 per team member	
R5	First Aid Kit	1	

Appendix 3 – Section Q (Purge Calculations)

Purge Calculations			
Purge Point Ref	Pipe Length (L)	Min Purge Velocity (PV)	Max Purge Time (L/PV)
SO1 - PP1	56m	0.6 m/sec	1 minutes 33 seconds

ROUTINE OPERATIONAL PROCEDURE (GDN/PM/SCO/5)

Appendix 4 – Method Statement

All works are to be carried out in accordance with the current version of GIRS Method Statements. Contact Authorising Engineer & Network Control prior to commencement

Commission By-pass

1. While monitoring pressure points P1 and P2, open purge point bp1 then slowly open valve BV1. ✓
2. On achieving 2 successive readings of 90% GIA at purge point bp1 close valve BV1. Open valve BV2. ✓
Continue purge to confirm that the bypass is feeding both ways. ✓
3. Close purge point bp1; re-open BV1 (the bypass is now commissioned). ✓
4. Close ECV on redundant 125mm PE LP service and cap off supply. ✓

Commission By-pass

5. While monitoring pressure points P1 and P2, open purge point bp1 then slowly open valve BV1. ✓
6. On achieving 2 successive readings of 90% GIA at purge point bp1 close valve BV1. Open valve BV2. ✓
Continue purge to confirm that the bypass is feeding both ways. ✓
7. Close purge point bp1; re-open BV1 (the bypass is now commissioned). ✓

• Squeeze off, Decay Test & Purge

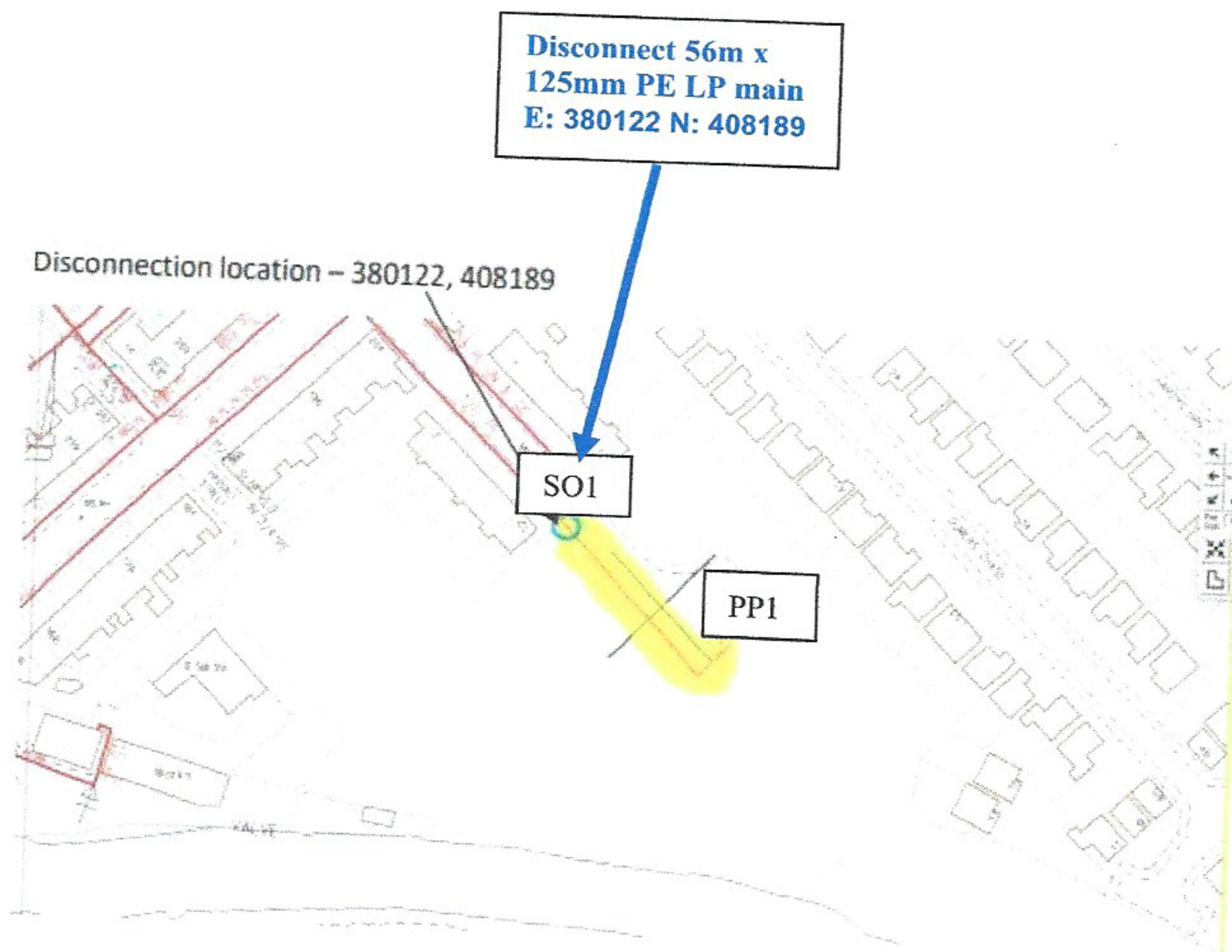
8. Whilst monitoring pressures at P1 & P2, slowly apply squeeze off SO1 & then SO2 on 125mm PE LP PE service. ✓
9. Slowly close BV1 & monitor P2 to ensure no pressure decay. If pressure falls by >2mbar, re-open BV1 and investigate potential supplies from 125mm PE LP main. ✓
10. If pressures are satisfactory, slowly open PP1 and reduce pressure in 125mm PE by 5mbar. Monitor pressures for 5 mins to ensure no pressure build up indicating back feed. If pressure returns to start pressure, check for potential back feed into system ✓
11. If pressure decay tests are satisfactory, close bypass valves and vent pressure to zero in redundant 125mm PE service via PP1 and check for let by. ✓
12. Ensure PP2 is open and connect compressed air supply to mini purge ejector at PP1 and commence purge via PP1. Monitor purge time and sample atmosphere at PP1. Purge is complete when 2 x readings of 10% LEL are achieved at PP1. ✓
13. Drape a wet rag from the pipe to earth and cut and cap 125mm PE at both pipe ends ✓
14. Slowly release squeeze-off and soap test cap end. If joint satisfactory, fully release and remove SO1 & SO2. ✓

• Final Check

15. If possible, remove redundant gas service entry pipework and seal ✓
16. Remove all pressure and purge points from the network. Seal the connection points. ✓
17. Apply a re-rounding tool and squeeze off tape at SO1. ✓
18. Check all exposed joints for soundness-soap test. Wash off test fluid with clean water. ✓

ROUTINE OPERATIONAL PROCEDURE (GDN/PM/SCO/5)

Appendix 5 Site Location Plan



ROUTINE OPERATIONAL PROCEDURE (GDN/PM/SCO/5)

Appendix 6 Pre-Start Checklist

Pre-start Checklist for Routine Operations (Version 1.0)

Independent Person or Competent Person:

D. Dunstan

Authorising Engineer:

S. Hayden

RO Number:

UKD/380849 / Rou

Site Address:

Outside NO 12, Morris St, Radcliffe, M26 2GE

Team Leader:

Michael Brennan

Following checklist is to be completed by the Competent Person on site prior to the commencement of the Routine Operation.

Each question should be answered YES or N/A and the Authorising Engineer contacted before the operation starts.

If any questions are answered NO - DO NOT START THE OPERATION until contact has been made with the Authorising Engineer who will confirm whether the operation can start. Record discussion details below.

CHECKLIST

		Yes	No
1	Is the Competent Person on site?	☒	☐
2	Has the Authorising Engineer and Competent Person signed the RO document that is on-site?	☒	☐
3	Has the RO been logged with the Network Controller and 'Clearance to proceed' been given?	☒	☐
4	Is the original authorised RO document on-site (not a photocopy)?	☒	☐
5	Is the allocated time zone correct - right time - right day?	☒	☐
6	Where a Permit To Work is necessary is it on-site and all conditions adhered to?	☒	☐
7	Does the RO documentation match the actual on-site conditions?	☒	☐
8	Is there sufficient space for all equipment and fittings within requirements, i.e. PE fittings, minimum distances between bags and/or squeeze offs?	☒	☐
9	Has the SDR of PE pipe been identified, have metallic mains been callipered to ensure correct fittings/flow stop equipment on site?	☒	☐
10	Has a site specific risk assessment been completed?	☒	☐
11	Is appropriate PPE being worn by all personnel on site including the Competent Person and any visitors?	☒	☐
12	Is BA equipment positioned out of the vehicle adjacent to the excavation/confined space/work area in a gas free and secure location, connected with the pre-use checks undertaken?	☒	☐
13	Are Fire Extinguishers available, fully charged, in date, deployed and ready for use?	☒	☐
14	Where appropriate - Has the Voltstick been used today, are continuity bonds correctly fitted and/or wet rags available?	☒	☐
15	Checks made to ensure no smoking, naked lights or other sources of ignition are present within working zone?	☒	☐
16	Are 'No-Smoking' signs out and correctly displayed?	☒	☐
17	Are pressure points fitted as per the RO?	☒	☐
18	Is pressure in the system above minimum pressure stated on RO?	☒	☐
19	Are vents/purge vent pipes / bypass / rider as per the RO at correct height/diameter/lengths?	☒	☐
20	Are bag tube gauges correctly working and spare bags tested and ready for use?	☒	☐
21	Are exposed gas pipes and adjacent plant adequately supported and protected?	☒	☐
22	Are the necessary tools/equipment required on site and in date/calibrated?	☒	☐
23	Are materials, plant, excavation spoil and equipment safely stored and protected?	☒	☐
24	Have all personnel been briefed on the operation	☒	☐

Record of discussion with the Authorising Engineer - include date and time and relevant checklist no(s).

logged on A.E 07.51

logged off A.E 11.03

Competent Person's signature:

Date and Time: 22.2.22 / 07.50

ATTACH THIS FORM TO THE ROUTINE OPERATIONAL DOCUMENT ONCE COMPLETED

ROUTINE OPERATIONAL PROCEDURE (GDN/PM/SCO/5)