

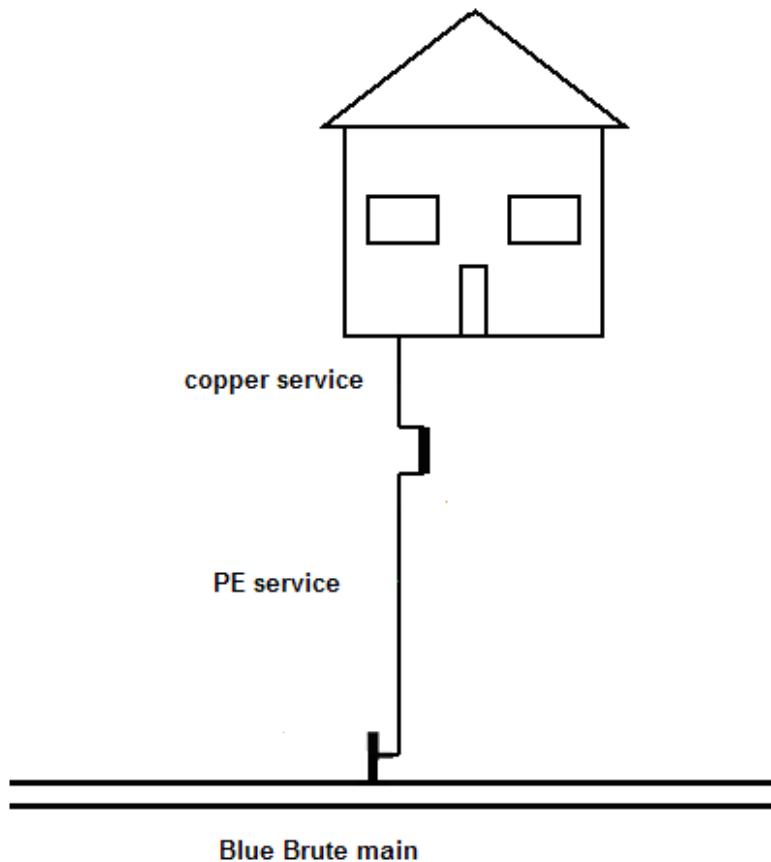
Sydney Water Electrical Safety folder for supervisors

REMEMBER

- Check equipment before each use (Gloves, bridging conductors, PVM, saddles)
- Confirm HIDRA

Jobs where the main/service will not be broken, staff will need to wear electrical gloves while performing work eg;

- Maintap rewasher (saddle type only)
- Pathtap rewasher
- Adjust leak clamp
- Hydrant rewasher
- Hydrant riser adjustment
- Drilling main
- Installing leak clamp



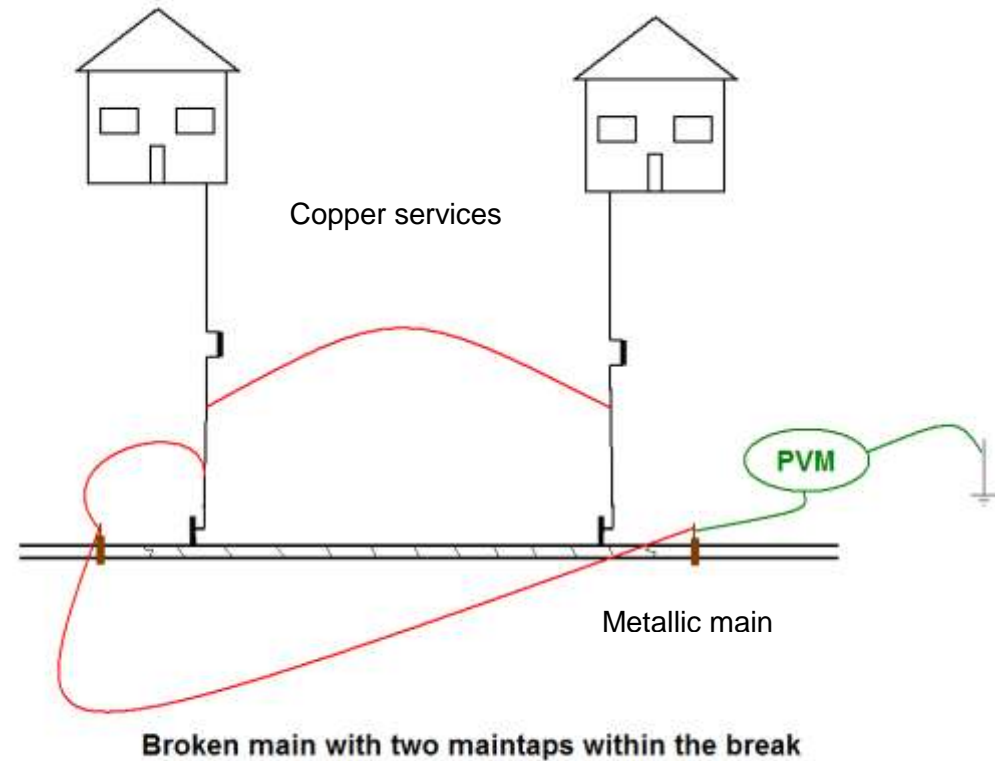
Repair to PE service

No risk, no controls required

Trunk Mains

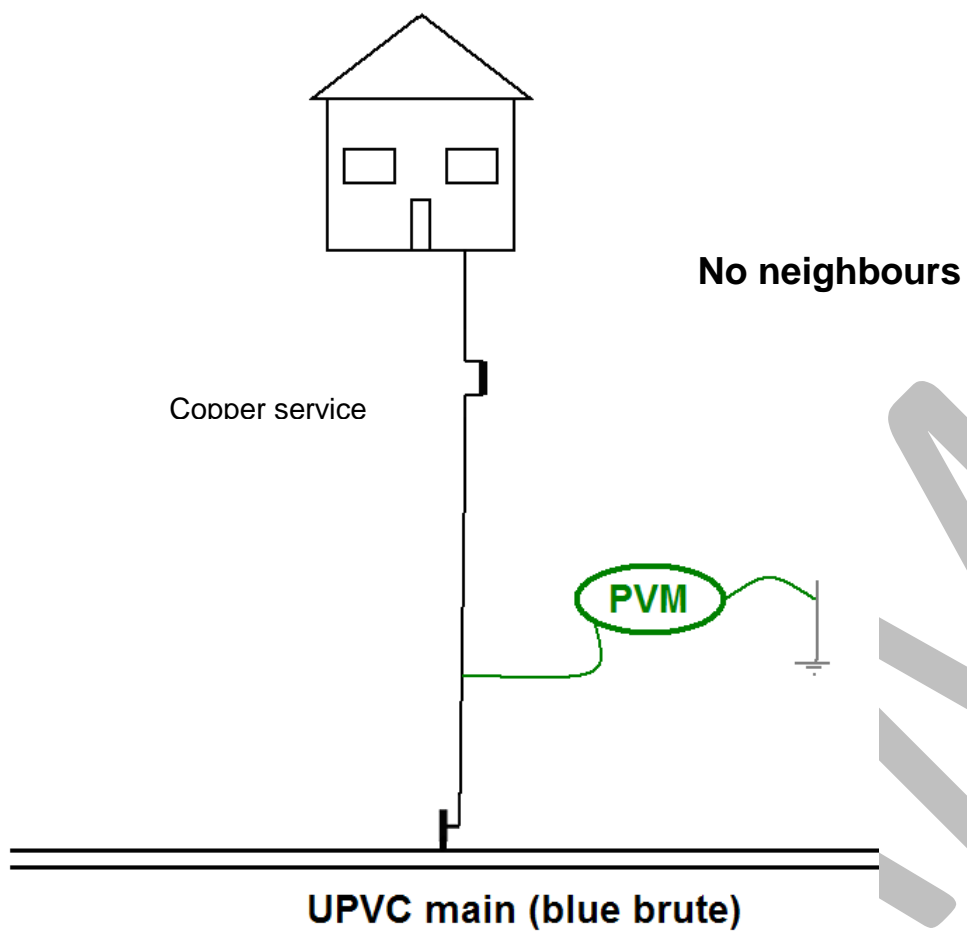
When working on mains over 450 mm (no bridging conductors available for these) risk assessment should include checking for any services connected, if so test with PVM and then test main and monitor while wearing electrical gloves. Also check for any electrical kiosks etc in area.

Version #1



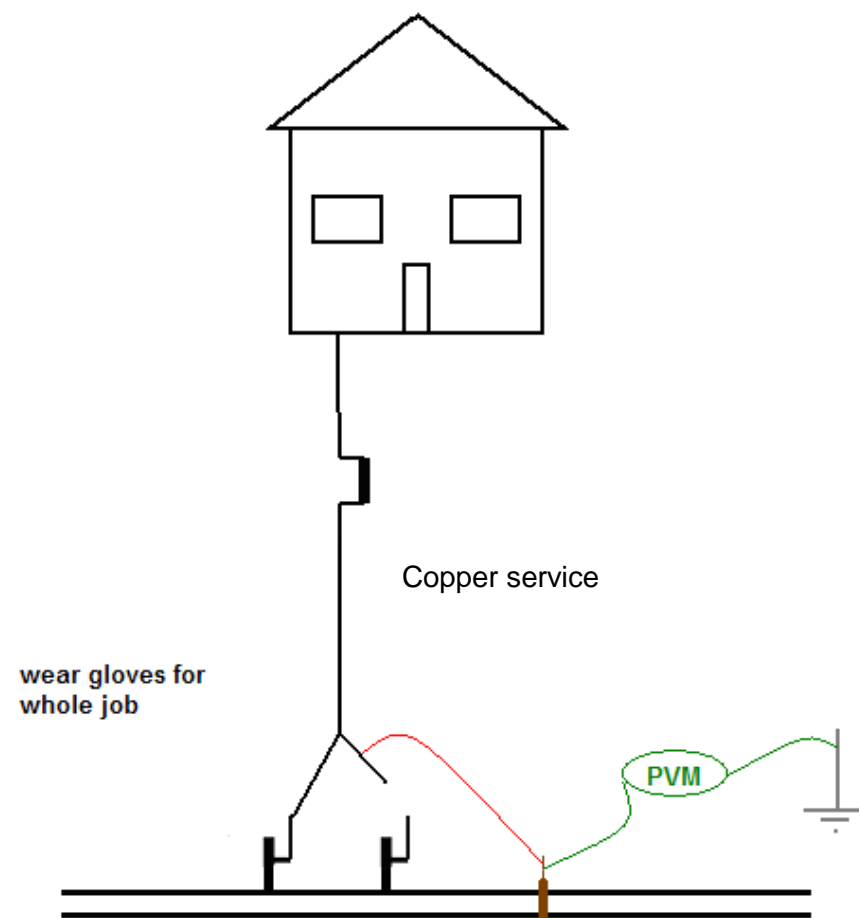
Broken main

Bridge around work area, main and both services
Wear gloves and monitor with PVM



Maintap out

Gloves plus PVM and supervisor on site.
Supervisor to call Electrician plus complete a Site Specific Safety Plan (SSSP)

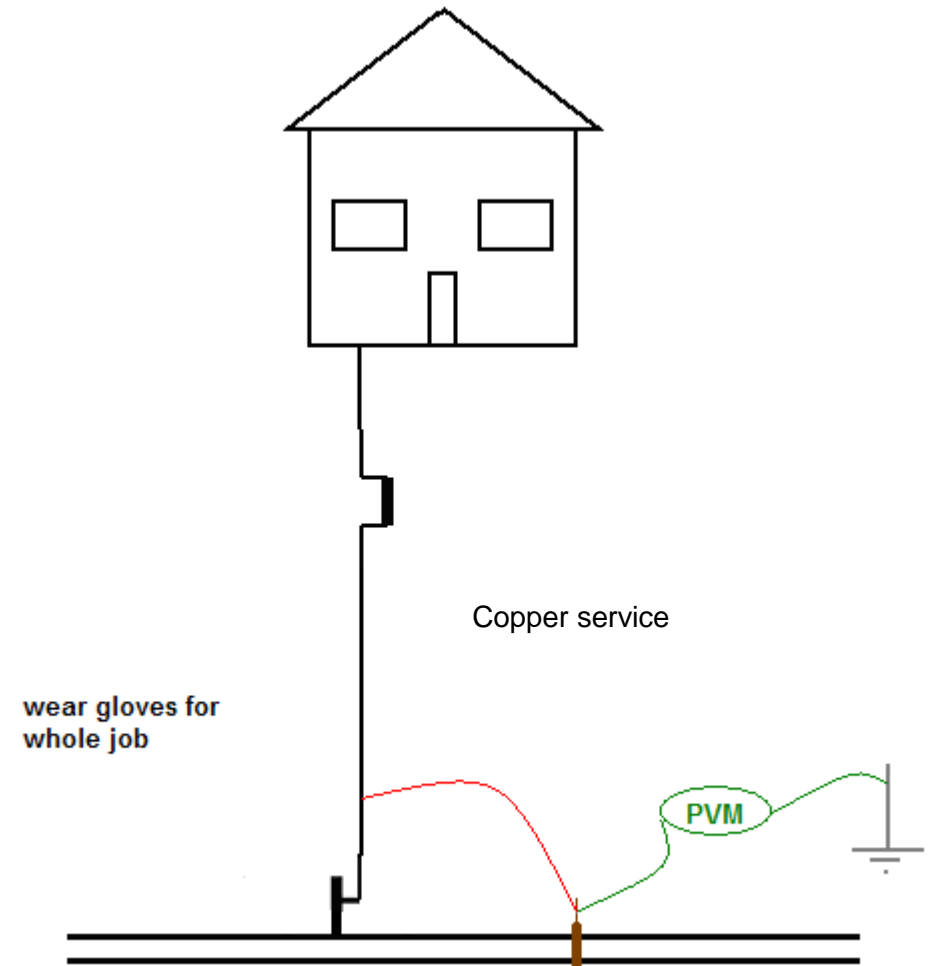


Bridging pipe repair

Bridge around work area
Wear gloves and monitor with PVM

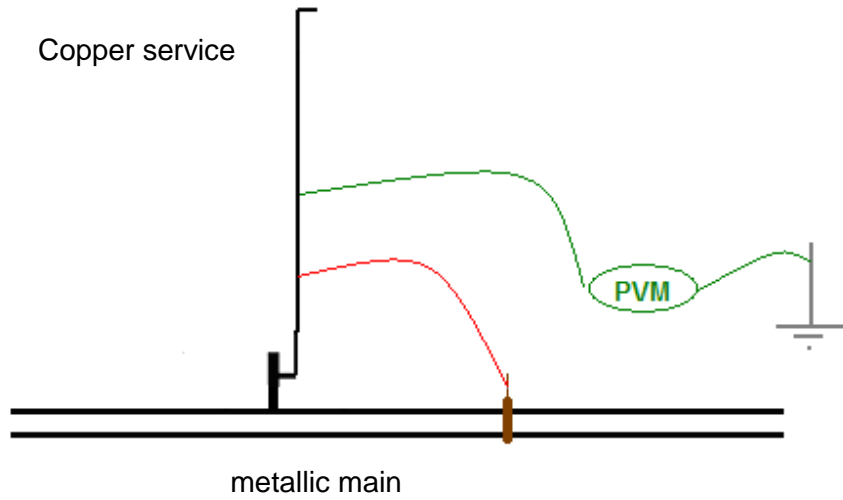
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SAMM



Maintap rewasher (direct tapping)
Bridge around work area
Wear gloves and monitor with PVM

No house



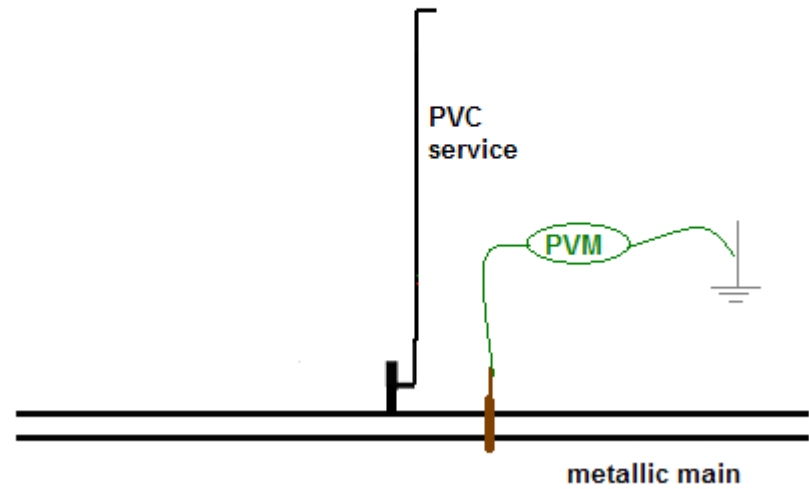
Maintap rewasher

Bridge around work area
Wear gloves and monitor with PVM

2

3

No house



Maintap rewasher

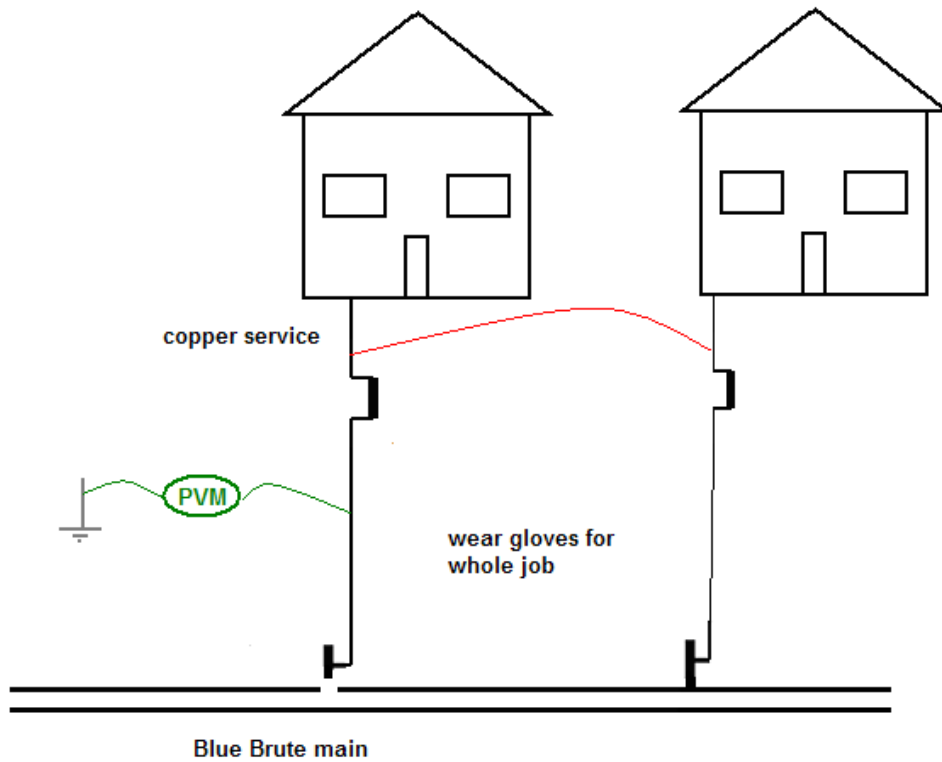
Wear gloves and monitor with PVM

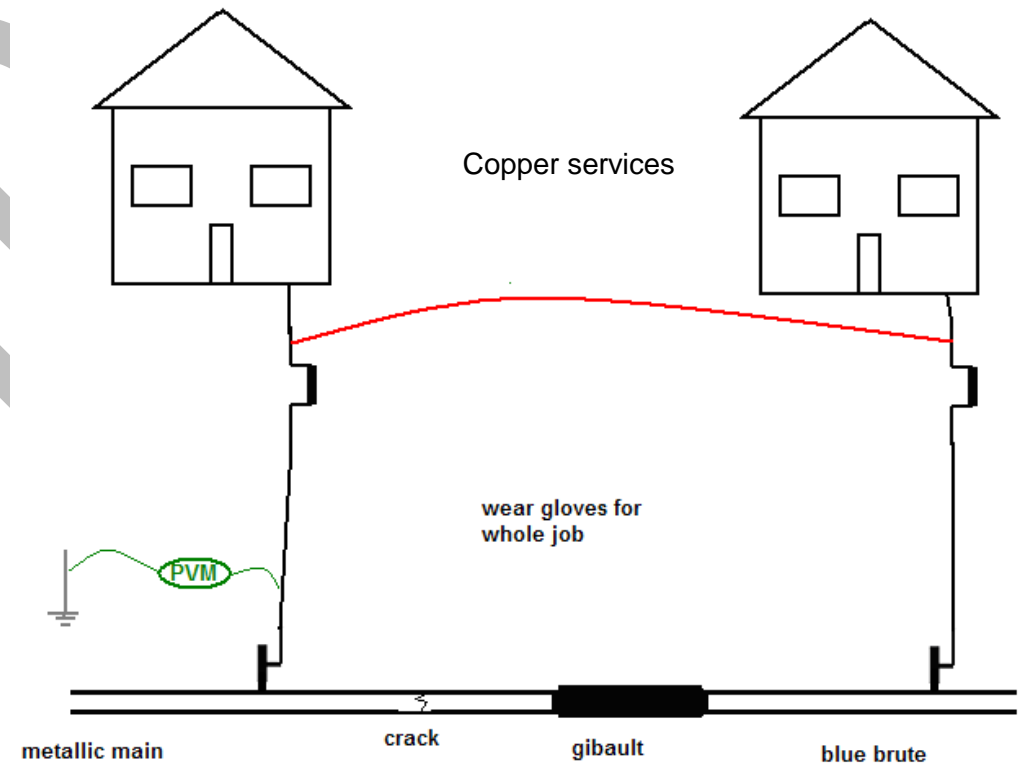
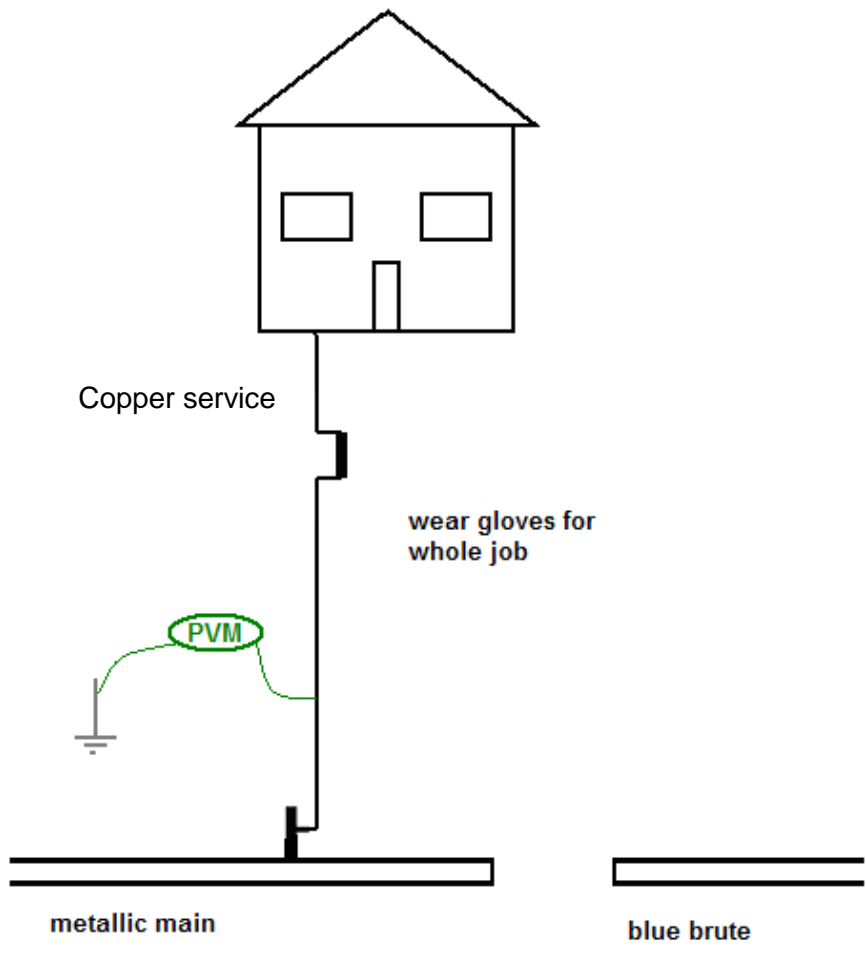
Maintap out/ Power on service

Supervisor called, Electrician called
Complete a site specific safety plan (SSSP)
Electrician confirms presence of power
Electrician does Neutral Integrity Test and monitors
Bridge to next door and wear gloves
Repair service

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Watermain connection/extension
Wear gloves plus monitor with PVM

Circumferential crack

Bridge to neighbour

Wear gloves plus monitor with PVM

wear gloves for
whole job



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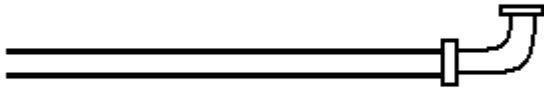
**Water Service connection (drilling)/Cap off
disused maintap**

Wear gloves for entire job

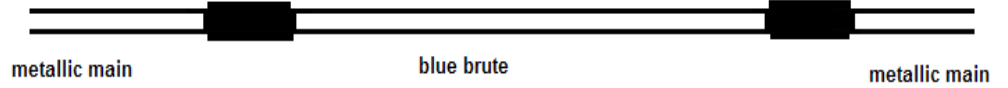
SAMPLE



wear gloves for whole job



wear gloves for whole job



Work on flushing bend

Wear gloves for entire job

Work on gibault

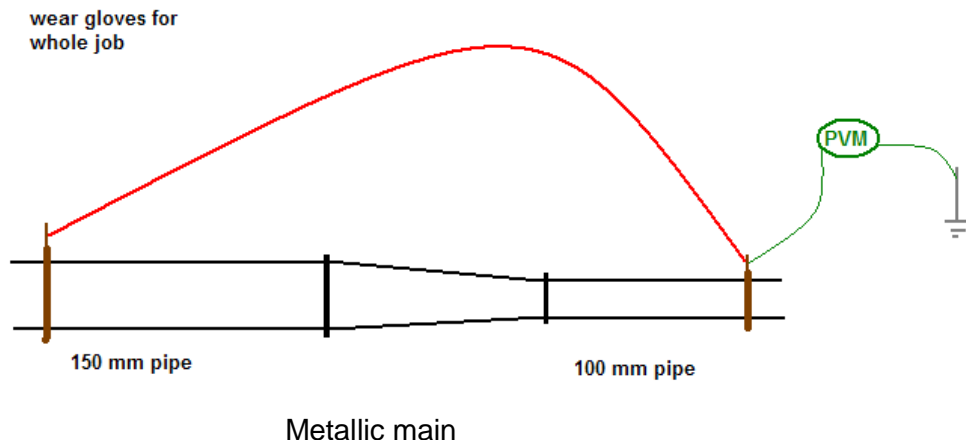
Wear gloves for entire job

6

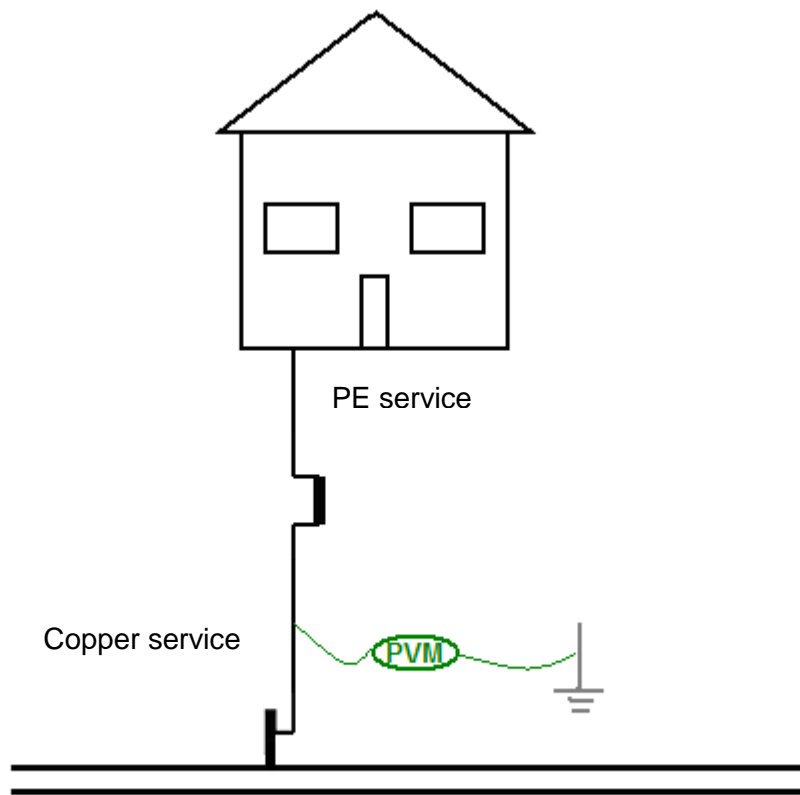
Repair/replace taper

Bridge around work area

Wear gloves plus monitor with PVM



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Repair meter (PE service from meter to house)
Wear gloves plus monitor with PVM

Civil Delivery Electrical Hazard

Site Specific Safety Plan (SSSP)

To be completed before work continues on metallic pipe that has an identified electrical issue

Job number	12344		Date	30-02-11	
Location	No	303	Street	Rifle st	
Suburb	St Mary's				
Brief job description	20mm maintap out on 100 mm blue brute main				
Field Supervisor	Willie Brown				
Team Leader	Eugene Martone				
Are you able to implement two levels of control?	Yes		No	X	If No, complete Risk Assessment below
Has any electricity been detected?	Yes		No	X	If Yes, complete Risk Assessment below

Risk Assessment		
Hazard	Risk level	Control
Only one level of control (no neighbours for bridging)	2	Wear gloves for whole job. Electrician to perform Neutral Integrity Test (NIT) and monitor
Flooding	3	Isolate and control flow

Electrician name	V. Furnier		Company	Energy fix	
Current reading	- A		Voltage reading	- V	
Has electrical fault been identified?	Yes		No	X	
Has the electrical fault been rectified?	Yes		No	X	
If No, what is the corrective action	N/A				
Is SW job completed	Yes	X	No		If No, why?



Civil Delivery Electrical Hazard

SSSP example

Site Specific Safety Plan (SSSP)

To be completed before work continues on metallic pipe that has an identified electrical issue

Job number	12345		Date	31-02-11	
Location	No	45	Street	Colt st	
Suburb	Padstow				
Brief job description	20mm maintap out on 100mm blue brute main				
Field Supervisor	Roy Slade				
Team Leader	Nelson Stool				
Are you able to implement two levels of control?	Yes	X	No	If No, complete Risk Assessment below	
Has any electricity been detected?	Yes	X	No	If Yes, complete Risk Assessment below	

Risk Assessment		
Hazard	Risk level	Control
Electricity detected	1	Electrician called to perform NIT and monitor
Possible electricity	1	Wear gloves and bridge to neighbours
Flooding	3	Isolate and control flow

Electrician name	B.Bell		Company	Energy fix	
Current reading	2 A		Voltage reading	5 V	
Has electrical fault been identified?	Yes	X	No		
Has the electrical fault been rectified?	Yes		No	X	
If No, what is the corrective action	System fault. Reported to Energy Aust to rectify				
Is SW job completed	Yes	X	No		If No, why?

Civil Delivery Electrical Hazard

Site Specific Safety Plan (SSSP)

To be completed before work continues on metallic pipe that has an identified electrical issue

Job number			Date		
Location	No	Street			
Suburb					
Brief job description					
Field Supervisor					
Team Leader					
Are you able to implement two levels of control?	Yes	No	If No, complete Risk Assessment below		
Has any electricity been detected?	Yes	No	If Yes, complete Risk Assessment below		

Risk Assessment	
Hazard	Risk level
	Control

Electrician name			Company		
Current reading	A	Voltage reading	V		
Has electrical fault been identified?	Yes	No			
Has the electrical fault been rectified?	Yes	No			
If No, what is the corrective action					
Is SW job completed	Yes	No	If No, why?		

SAMPLE