

DIAL BEFORE YOU DIG

THE IMPORTANCE OF SAFE EXCAVATION



The Essential First Step.



OVERVIEW

Who we are

Membership

Regulations and information

Duty of Care – the 5 p's

What happens if you don't follow Duty of Care

How to lodge a free enquiry

Website details

Questions and Review



The Essential First Step.



**NOT-FOR-PROFIT
MEMBER BASED
ASSOCIATION**



**SINGLE POINT
OF CONTACT
FOR OUR USERS**
to get asset/
infrastructure
information



WHO WE ARE



**FREE NATIONAL
COMMUNITY SERVICE**
designed to protect and
prevent damage to
underground/ aboveground
infrastructure.



**PROVIDE EDUCATION
AND AWARENESS TO
PROTECT EXCAVATORS**
who work around these
assets from injury, and death.



THE INCIDENT THAT STARTED IT ALL

BIBRA LAKE

Western Australia 1984

- Dozer punctured a high pressure gas main
- Damage to dozer, ripper, rail tracks, high tension electric towers and the gas main.
- Operator survived



The Perth One Call System (now Dial Before You Dig) became operational on 16 February 1987.

PROTECTING OUR VITAL ASSETS...

YOU

Gas

Power

Communications

Water

Sewer

Trees

Drainage

Heritage Sites



MEMBERSHIP TASMANIA

Total Members 29

14



Govt

4



Oil /
Gas

3



Electr.

2



Telco

2



Water

2



Other
Asset
Owner

2



Non
Asset
Owner

BENEFITS OF MEMBERSHIP

- **Proactive asset management** and protection
- **Extend the life of assets** by reducing damage
- **Demonstrate compliance** with OSH
- **Promotion of safe work practices** to protect people, assets, community and the environment
- **Provides audit trail** for investigating damage events
- **Can help reduce** staff, legal and insurance **costs**
- **Improve networking** with other groups who protect assets



REGULATIONS & INFORMATION

ACTS

- Aboriginal Heritage Act 1975 (Tas)
- Electricity Supply Industry Act 1995 (Tas)
- Gas Act 2000 (Tas)
- Gas Pipelines Act 2000 (Tas)
- Local Government (Highways) Act 1982 (Tas)
- Local Government Act 1993 (Tas)
- Urban Drainage Act 2013 (Tas)
- Water and Sewerage Industry Act 2008 (Tas)
- Work Health and Safety Act 2012 (Tas)

Regulations

- Work Health and Safety Regulations 2012 (Tas)

Codes & Guides

- Worksafe Tas Codes of Practice

Penalties may apply



The Essential First Step.



DUTY OF CARE

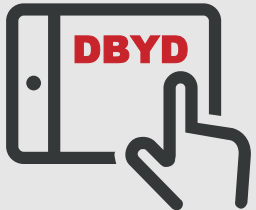


A MORAL OR LEGAL OBLIGATION TO ENSURE
THE SAFETY OR WELL-BEING OF OTHERS



DUTY OF CARE – THE 5P'S

1



PLAN

2



PREPARE

3



POTHOLE

4



PROTECT

5



PROCEED

DUTY OF CARE – THE 5P'S



1. PLAN



2. PREPARE



3. POTHOLE



4. PROTECT



5. PROCEED

Understand what assets are in and around the work area, and what preparations you must do to avoid hazards and damage.

Lodge a free Dial Before You Dig enquiry.
Receive plans and/or information from each asset owner

DUTY OF CARE – THE 5P'S



1. PLAN



2. PREPARE



3. POTHOLE



4. PROTECT



5. PROCEED

Review plans and contact asset owners if you need assistance. Look for onsite clues such as pit lids, marker posts and meters.

Recommendation:
Engage a certified locator

DUTY OF CARE – THE 5P'S



1. PLAN



2. PREPARE



3. POTHOLE



4. PROTECT



5. PROCEED

Before you use any mechanical machinery and after electronically locating assets, pothole assets by hand digging or vacuum extraction to prove the horizontal and vertical location and direction of the assets in and around your work area.

DUTY OF CARE – THE 5P'S



1. PLAN



2. PREPARE



3. POTHOLE



4. PROTECT



5. PROCEED

Assets and services, must be protected from your work activities, which in turn protects you and your work crew. Assets in and around you work area can be impacted by your work activities.

Different assets may need to be protected in different ways. Use appropriate barricades, heat shields, supports and other visual alerts and physical protection aides.

If in doubt, ask the asset owner!

DUTY OF CARE – THE 5P'S



1. PLAN



2. PREPARE



3. POTHOLE



4. PROTECT



5. PROCEED

Proceed carefully once all assets are identified and protected to ensure your work does not damage the assets. If circumstances change, you may need to stop work and repeat a previous step such as further locating, potholing and protection.

Remember to ensure you have all current plans and Member information on site.



Are you up to date with
Work safe/energy safe
regulations?



Are you covered if
you don't use DBYD?



Are you aware of any
restrictions or exclusions
on your liability policies?

INSURANCE

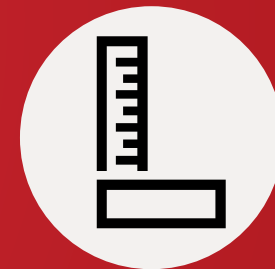
HAVE YOU ASKED YOURSELF



Have repeated strikes on assets
compromised relationships with
council/construction companies?



Do you work over water,
in airfields and airports?
If yes, tell your insurer



Do you have any
restrictions in regards
to depth of excavation?

WHAT HAPPENS IF YOU DON'T FOLLOW DUTY OF CARE

CASE STUDY

Asset affected:

Tas Gas Networks high pressure ANSI #300 gas transmission pipeline supplying Hobart

What happened:

- Severe damage to a live transmission steel gas pipeline in Derwent Park Road, Hobart.
- Identified through pigging exercise in 2017.
- Investigation revealed caused by horizontal directional drilling a few years prior – and no DBYD plans were requested or authority from Tas Gas Networks or Council.
- Contractor completed works on weekend – directional drilling of a sewer pipe to the existing sewer
- **Cost to repair 500k**
- Had the rupture occurred the damage and injuries would have been catastrophic. Heat radiation can occur 140m from site.



IT'S NOT JUST EXCAVATING!

Horizontal Directional Drilling:
Electric cable punched through sewer



IT'S NOT JUST EXCAVATING!

Horizontal Directional Drilling:
Electric cable (330kv).
Merrylands NSW. February 2015



IT'S NOT JUST EXCAVATING!

Vertical Boring:

Six fibre optic cables –
over 250,000 customers affected



MAIN CAUSES OF DAMAGE

Excavation

Drilling

Boring

Heavy loads and Vehicles

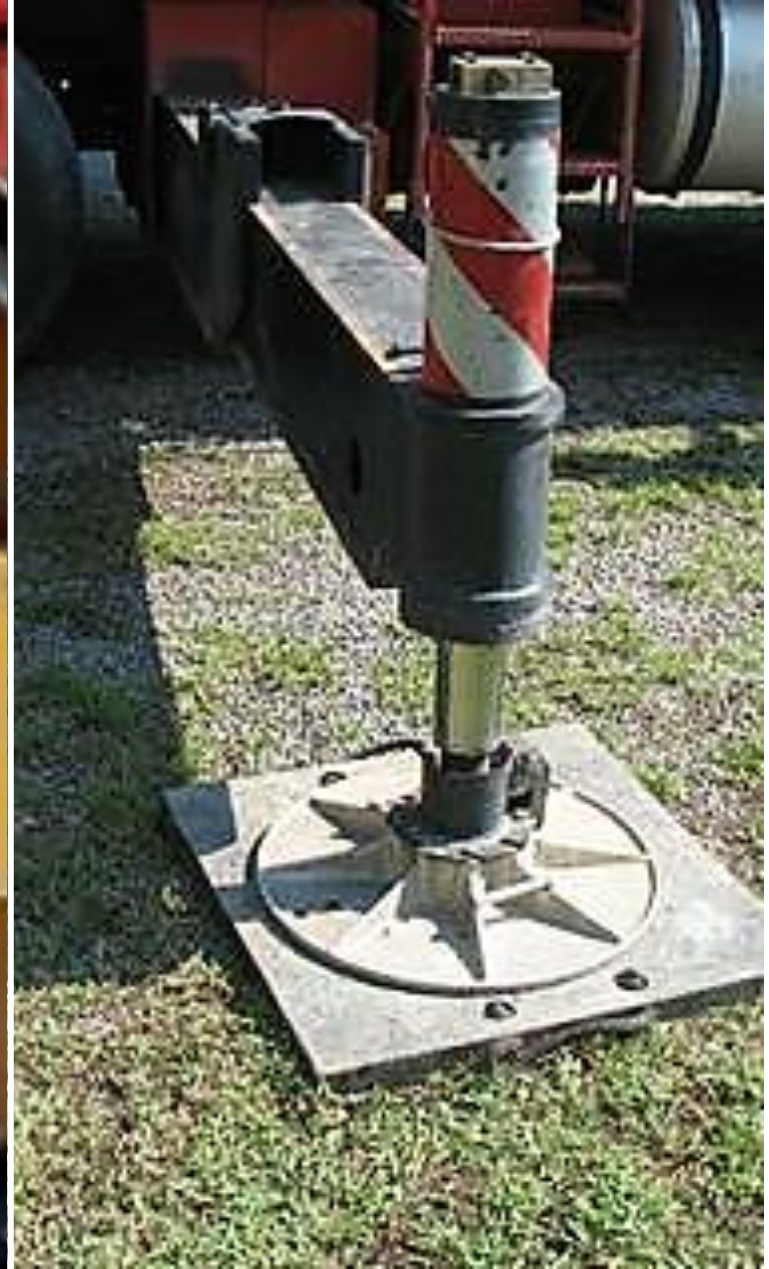
Vibration

Fencing

Compaction

Subsidence

Heat



WHY THE DAMAGE HAPPENED?

- not using DBYD
- not waiting for information to arrive before starting
- not having DBYD info available **ON SITE**
- using **out-of-date plans**



WHY THE DAMAGE HAPPENED?

- not looking for **visual clues**
- **assuming depth** or alignment
- not realising that **assets can exist at multiple levels**
- **not communicating** to others on site
- **not adequately supporting** exposed assets



A TYPICAL JOB SITE



1. Hydrant
2. Telstra pit
3. Valve marker on post
4. Valve cover
5. Stormwater grate
6. Hydrant marking

7. Road repair of excavation
8. Tree / tree roots
9. Drainage cover
10. HP gas main warning sign
11. Telstra pit
12. Power dome

13. High voltage powerline
14. Underground power
15. HP gas main warning sign
16. Telstra pit

LODGING AN ENQUIRY

Dial Before You Dig The Essential First Step

FREE

There are 3 ways to lodge your FREE enquiry with Dial Before You Dig:



Online

www.1100.com.au



Mobile Website

or iPhone app

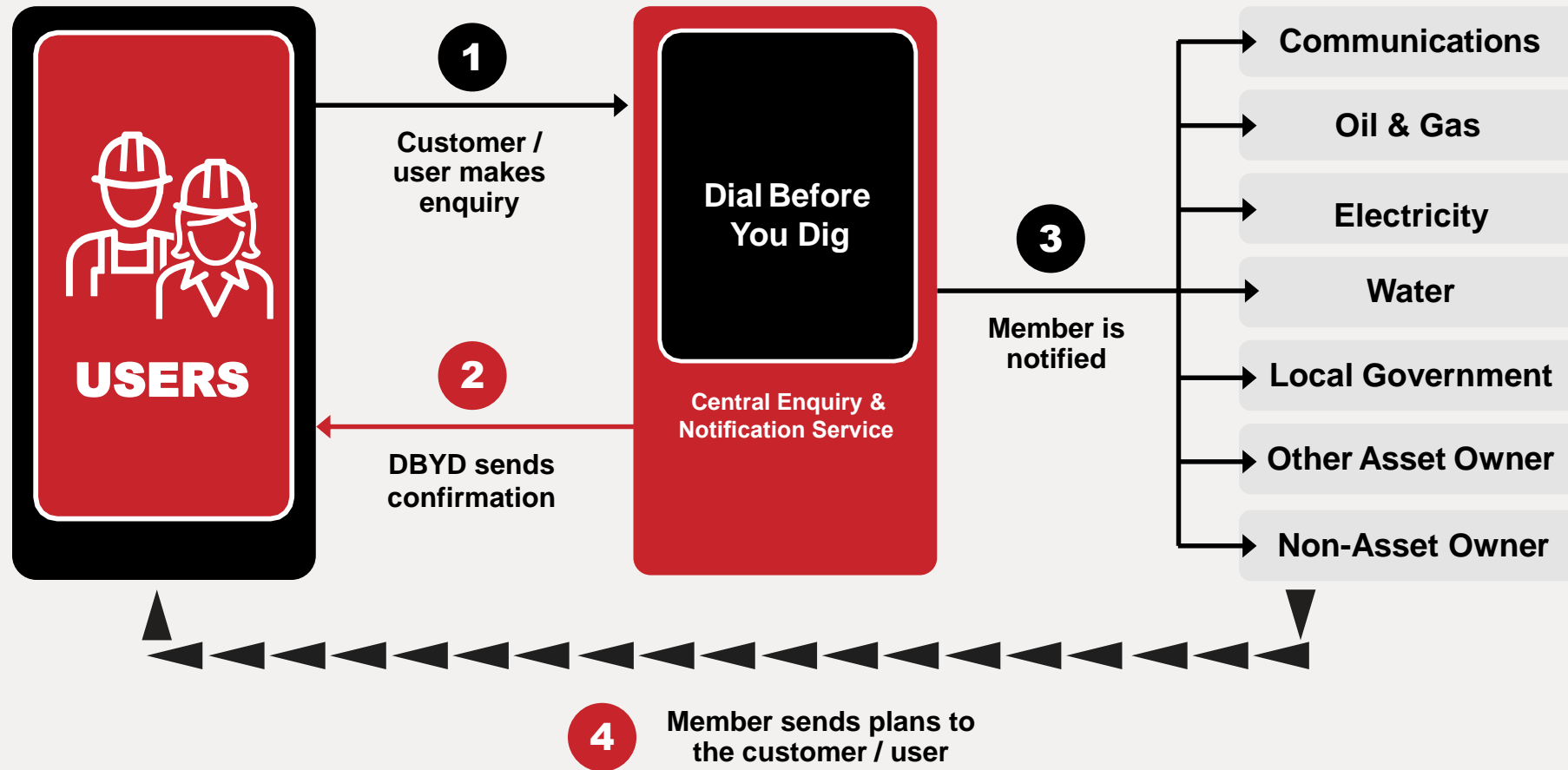


Phone

Toll free on 1100
(During business hours)



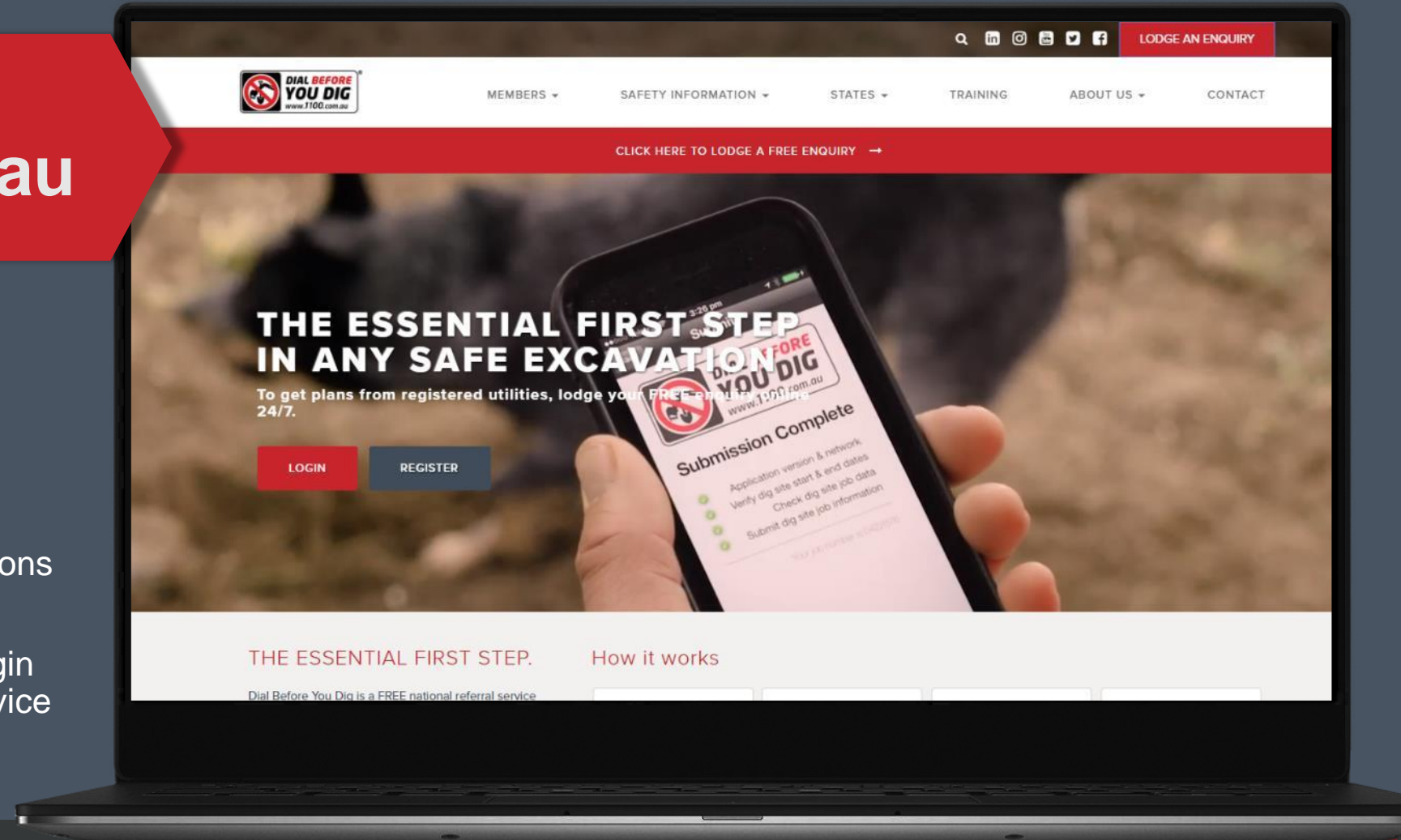
IT IS EASY AND SIMPLE!




LODGING A DBYD ENQUIRY


Register at
www.1100.com.au

- 1 Then, select "Login"
- 2 Enter your username and password
- 3 Accept the Terms and Conditions
- 4 Select Login or the Green Login button on the mobile web service



WHAT ARE YOU PLANNING TO DO?



Enquiry Details


Job Purpose

-- Please Select --


Activity

-- Please Select --

Job Start



Job Completion



User Reference (Characters Available: 50)

Working on Behalf of

-- Please Select --

Name of Utility/Authority

-- Please Select --

Location of Workplace


Both

Location In Road Reserve

☐ Road ☐ Footpath ☐ Nature strip

Enter the enquiry details using the drop downs

WHERE ARE YOU DOING IT?



Dial Before You Dig Australia
Australia's National Referral Service for Information on Underground Pipes & Cables

Enquiry DetailsLocationSummary

Search TypeStreet

Street35 Railway Road Blackburn VIC 3130

SearchReset

Step 2: Draw your dig site

The cross-hair indicates the centre of your search. You will need to mark out your dig site using the drawing tools provided.
Circle diam (min 25m - max 5.05km) , Line (min 0.01m - max 5km) , Area (min 0.001m² - max 20km²)

Step 3: Confirm your dig site

Prefix

Street35 Railway Road

Suburb/TownBlackburn

StateVIC

Postcode3130

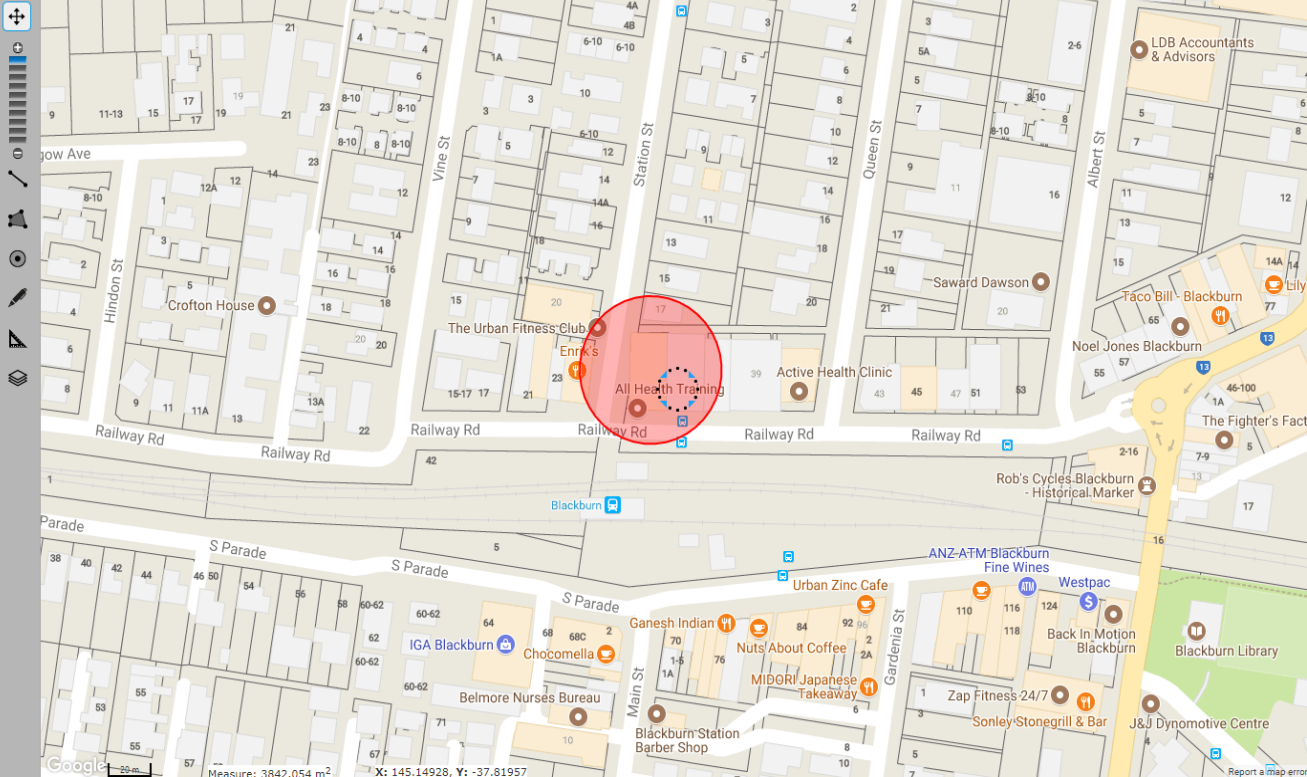
Notes/Description of Works

Characters Available: 400

Confirm your entered details are correct

By submitting, you agree that this enquiry, including the address, the location of the drawn dig site, and all other enquiry details are accurate and correct.


Submit



Measure: 3842.054 m² X: 145.14928, Y: -37.81957

**Confirm
and Submit**
your enquiry
by reviewing
the details and
hitting Submit

CONFIRMATION OF ENQUIRY



DIAL BEFORE
YOU DIG
www.1100.com.au

Dial Before You Dig Australia

Australia's National Referral Service for Information on Underground Pipes & Cables

Enquiry Details

Location

Summary

New

Settings

Account

Home

Log Out

Enquiry Lodging Details

Job No

14307595

Job lodged on

03/01/2018 - 01:34:11 pm

Priority

Normal

Job was lodged by

Web

Delivery Method

Email -

Enquiry Details

Address

35 Railway Road
Blackburn
VIC 3130

Job Purpose

Excavation

Activity

Mechanical Excavation

Job Start

05/01/2018

Job Completion

05/01/2018

Working on Behalf of

Other


Location of Workplace

Both

Location In Road Reserve

Road, Footpath, Nature strip

Notes/Description of Works



DIAL BEFORE
YOU DIG
www.1100.com.au

Your request has been submitted.

Shortly you will receive an email confirming your enquiry and listing the asset owners who will contact you regarding the location of their assets.

Your Responsibilities and Duty of Care

- If plans are not received within two working days, contact the asset owners directly and quote them their sequence numbers.
- ALWAYS perform an onsite inspection for the presence of assets. Should you require an onsite location, contact the asset owners directly. Please remember, plans do not detail the exact location of assets.
- Pothole to establish the exact location of all underground assets using a hand shovel, before using heavy machinery.
- Ensure you adhere to any state legislative requirements regarding Duty of Care and Safe Digging Requirements.
- If you damage an underground asset you MUST advise the asset owner immediately.
- By using this service, you agree to the privacy policy and terms and disclaimers set out at [the 1100 website](#)
- For more information on safe excavation practices, visit [the 1100 website](#)

Asset Owner Details

The asset owners listed below have been requested to contact you with information about their asset locations within two working days. Additional time should be allowed for information issued by post.

It is **your responsibility** to identify the presence of any underground assets in and around your proposed dig site.

Please be aware, that not all asset owners are registered with the Dial Before You Dig service, so it is **your responsibility** to identify and contact any asset owners not listed here directly.

** Asset owners highlighted by asterisks ** require that you visit their offices to collect plans.





Asset owners highlighted with a hash require that you call them to discuss your enquiry or to obtain plans.

^^ **Permit Request Sent.** Some DBYD Local Government are now using the Permit Manager system to run their permit application process. If your enquiry is in the area of one of those councils, the council takes the enquiry you have lodged with DBYD and converts it to a permit application. In such cases, a status of "Permit Request Sent" will be shown in the table below.

To facilitate communication and allow for a single point of access, Dial Before You Dig has allowed this process, including the documentation, to be accessed via our system.
Please note that any issues arising from a permit application must be taken up directly with the relevant council as this is not part of the Dial Before You Dig process.

Utility List

The following authorities are affected by this enquiry

Type	Sequence No	Authority	Phone	Status
 Gas & Petroleum	67363046	Multinet Gas	0395358326	Notification Sent
 Communications	67363048	NBN Co, VicTas	1800626762	Notification Sent
 Communications	67363045	Optus and/or Ucomm, Vic	1800505777	Notification Sent
 Communications	67363044	Telstra VICTAS	1800653935	Notification Sent

Continue Job

Print View

Assets affected
by this enquiry



Job No 14307576

Phone: 1100

YOUR DETAILS

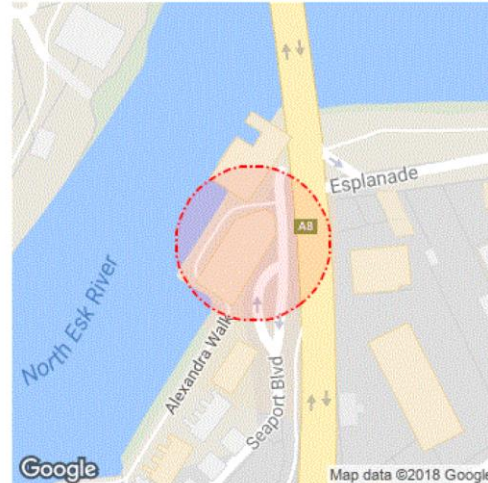
Caller Details

Contact: Ms Angela Gilmore
Company: DBYD
Address: 35 Railway Road
Blackburn VIC 3130

Caller Id: 1825735
Mobile: 0409525106
Email: agilmore@dbyd.org.au
Phone: 0409525106
Fax: Not Supplied

Dig Site and Enquiry Details

WARNING: The map below only displays the location of the proposed dig site and does not display any asset owners' pipe or cables. The area highlighted has been used only to identify the participating asset owners, who will send information to you directly.



User Reference: DBYD Awareness
Working on Behalf of: Private
Enquiry Date: 29/05/2018
Start Date: 31/05/2018
End Date: 08/06/2018

Address:
28 Seaport Blvd
Launceston TAS 7250

Job Purpose:
Excavation

Location of Workplace:
Both

Onsite Activity:

Manual Excavation

Location in Road:

CarriageWay, Footpath, Nature Strip

- Check the location of the dig site is correct. If not submit a new enquiry.
- If the scope of works change, or plan validity dates expire, resubmit your enquiry.
- Do NOT dig without plans. Safe excavation is your responsibility. If you do not understand the plans or how to proceed safely, please contact the relevant asset owners.

Notes/Description of Works:

Not Supplied

WORK LOCATION,
ACTIVITY &
TIMING DETAILSIMPACTED
MEMBER DETAILS

Asset Owner Details

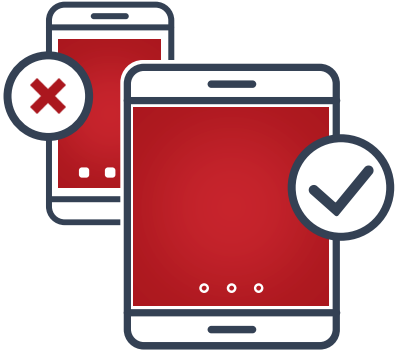
Seq. No.	Authority Name	Phone	Status
71967629	Department of Primary Industries, Parks, Water and Environment (DPIPWE)	1300487045	NOTIFIED
71967625	Launceston City Council	0363233237	NOTIFIED
71967628	NBN Co, VicTas	1800626762	NOTIFIED
71967627	Tas Gas Networks	0363369350	NOTIFIED
71967622	Tasmania Government	0363362567	NOTIFIED
71967623	TasNetworks Pty Ltd (Distribution)	1300137008	NOTIFIED
71967626	TasWater	136992	NOTIFIED
71967624	Telstra VICTAS	1800653935	NOTIFIED

END OF UTILITIES LIST

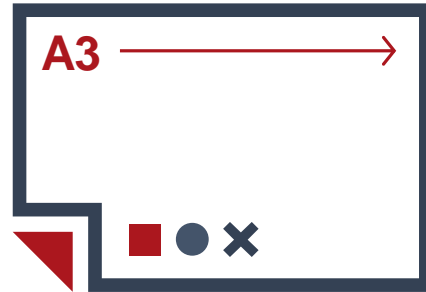


The Essential First Step.

READING PLANS



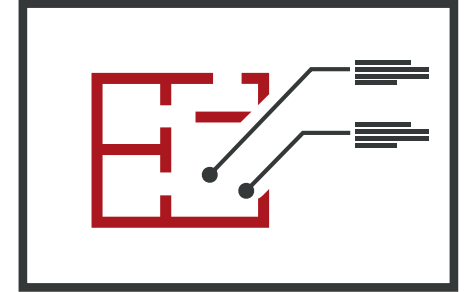
- Reading off iPhones is not recommended
- Use a screen no smaller than 200mm (8")



- A3 as the smallest print size or use digital means where a zooming function can occur
- Understand and refer to the legend on the plans



- Gas and electricity plans are colour coded, black and white plans are not suitable or appropriate
- Older plans may be black and white

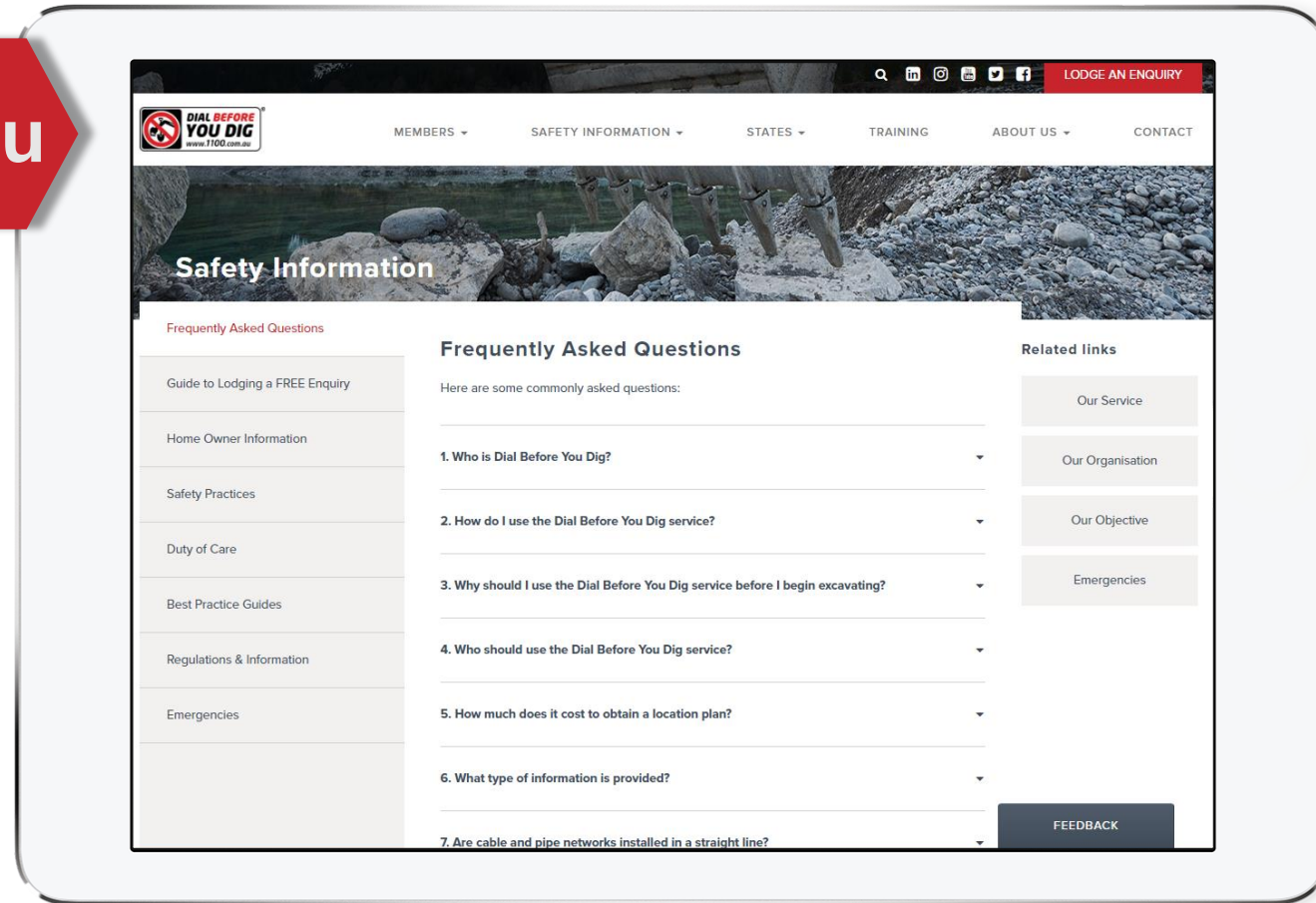


- All offsets are from the property line unless otherwise detailed
- Refer to all linked plans



FOR MORE INFORMATION... VISIT WEBPAGE

www.1100.com.au



QUESTIONS & REVIEW

