



Enquiry Confirmation

Job No. 5036471

PO Box 378
Abbotsford VIC 3067
Phone: 1100

To: Mr Nathaniel Murray
Company: McKenzie Group Consulting Planning (NSW)
Address: Level 6 189 Kent St
Sydney NSW 2000

Caller ID: 1040876
Phone: 0282986820
Mobile: Not Supplied
Fax No: Not Supplied
Email: nmurray@mckenzie-group.com.au

Dig Site Details

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

Asset owners aim to provide you with details of their assets within 2 working days.



Enquiry Date: 26/10/2011 3:32:22 PM
Start Date: 29/10/2011
Address: 23-107 Erskine Park Rd
Erskine Park NSW 2759
Intersection: Not Specified

- Check that the location of the dig site is correct. If not you **MUST** submit a new enquiry.
- Should the scope of works change, or plan validity dates expire, you must submit a new 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.

Map Ref: UbdSyd

205H3;205J3;205K3;205L3;205M3;205N3;205H4;205J4;205K4;205L4;205M4;205N4;205H5;205J5;205K5;205L5;205M5;205H6;205J6;205K6

Additional work site information:

Dial Before You Dig - it's the law in NSW. See the Workcover Work Near Underground Assets Guide for more details.

Your Responsibilities and Duty of Care

- If plans are not received within 2 working days, contact the asset owners directly & quote their Sequence No.
- 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 terms and disclaimers set out at www.1100.com.au.
- **For more information on safe excavation practices, visit www.1100.com.au**

Asset Owner Details

The asset owners listed below have been requested to contact you with information about their asset locations within 2 working days. Additional time should be allowed for information issued by post.

Seq No.	Asset Owner	Contact No	Notification Status
23094073	PIPE Networks, Nsw	1800201100	Notified
23094063	Endeavour Energy (formerly Integral)	0298534161	Notified
23094064	Endeavour Energy (formerly Integral)	0298534161	Notified
23094067	Telstra NSW, Central	1800653935	Notified
23094069	Optus and/or Uecomm, Nsw	1800505777	Notified
23094068	Jemena Gas West	1300880906	Notified
23094065	Sydney Water	132092	Notified
23094066	Sydney Water	132092	Notified

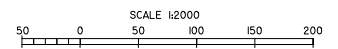
** Asset owners highlighted by asterisks ** require that you visit their offices to collect plans.

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

LODGE YOUR FREE ENQUIRY ONLINE – 24 HOURS A DAY, SEVEN DAYS A WEEK



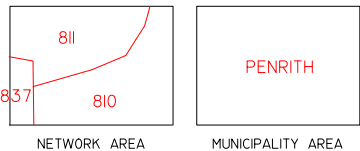
ERSKINE PARK 6A



THIS MAP UPDATED ON 23/11/09
THIS PLAN IS DIAGRAMATIC ONLY. DISTANCES
SCALED FROM THIS PLAN MAY NOT BE ACCURATE.
DATE ALTERED:..... BY:.....

EP2D	EP3C	EP3D
EP5B	EP6A	EP6B
EP5D	EP6C	EP6D

ADJOINING MAPS



KEY

MAX ALLOWABLE OPERATING PRESSURE

T	TRUNK MAIN	7000 kPa
P	PRIMARY MAIN	3500 kPa
S	SECONDARY MAIN	1050 kPa
		300 kPa
		210 kPa
		7 kPa
400		400 kPa
100		100 kPa
		2 kPa
PROPOSED MAINS		

- PR 1-2 3 STEEL MAIN PROJECT NUMBER
- PRESSURE MONITORING STATION
- VALVE
- SYSTEM PRESSURE REGULATOR
- SIPHON
- NETWORK NODES
- ITEM DETAIL SKETCH AVAILABLE
- VALVE NUMBER (OLD NUMBERING)
- 6NB 6 INCH CAST IRON MAIN
- 150MM 150MM STEEL MAIN
- 110MM PE/NY 110MM POLYETHYLENE/NYLON MAIN
- 6NB MAIN CAST IRON MAIN
- 50MM NY 50MM NYLON INSERTED INTO
- 1.2MBL DISTANCE IN METRES OF MAIN FROM BUILDING LINE (TOLERANCE OF 0.4M)
- 1957 YEAR LAID
- +---+--- MUNICIPALITY BOUNDARY
- +---+--- NETWORK BOUNDARY
- HOUSE NUMBER

ERSKINE PARK 6A

In reply to your enquiry, there are **High Pressure Gas Mains** in the vicinity of your intended work, as generally illustrated on the attached map. There may also be other mains or services at the location, as discussed in the warning below. For an explanation of the map, please see the key below.

The following excavations guidelines apply:

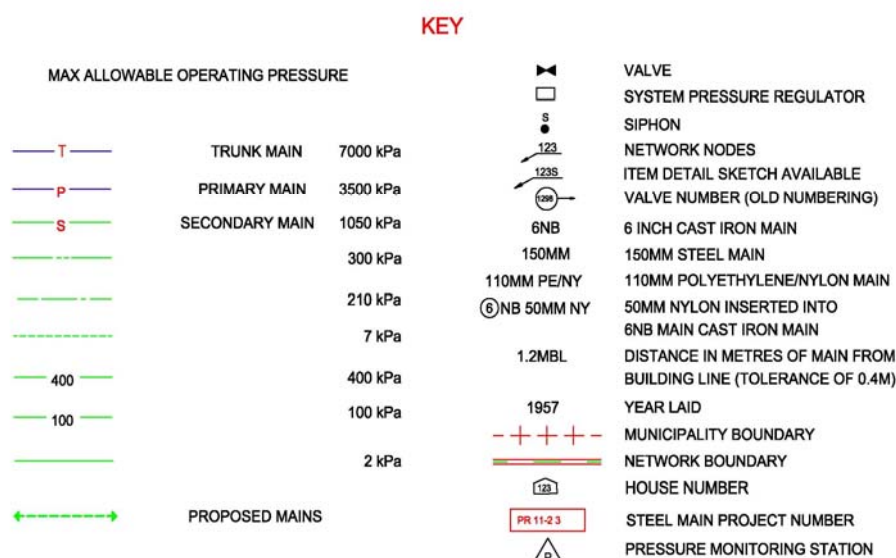
Excavation Guidelines:

Prior to **any** excavations in this area, you **must** contact the High Pressure Response Coordinator on **1300 665 380**. **(Please note that a minimum two working days notice is required)** to arrange a survey.

For all works in the vicinity of High Pressure Gas Mains you must arrange for a Pipeline Technician to attend and supervise all excavations. Charges apply for attendance of any works outside the hours of 7am to 4pm, Monday to Friday ("**Standard Business Hours**") and for any attendance during Standard Business Hours that is longer than 2 hours.

In accordance with clause 34D(1) of the Gas Supply (Safety and Network Management) Regulation 2008 (NSW), you should be informed that all excavation, (including pot-holing by hand to confirm the location of pipes) should be performed in accordance with "**Work Near Underground Assets Guideline**" published in 2007 by the Work Cover Authority.

A copy of this Guideline is available at: www.workcover.nsw.gov.au

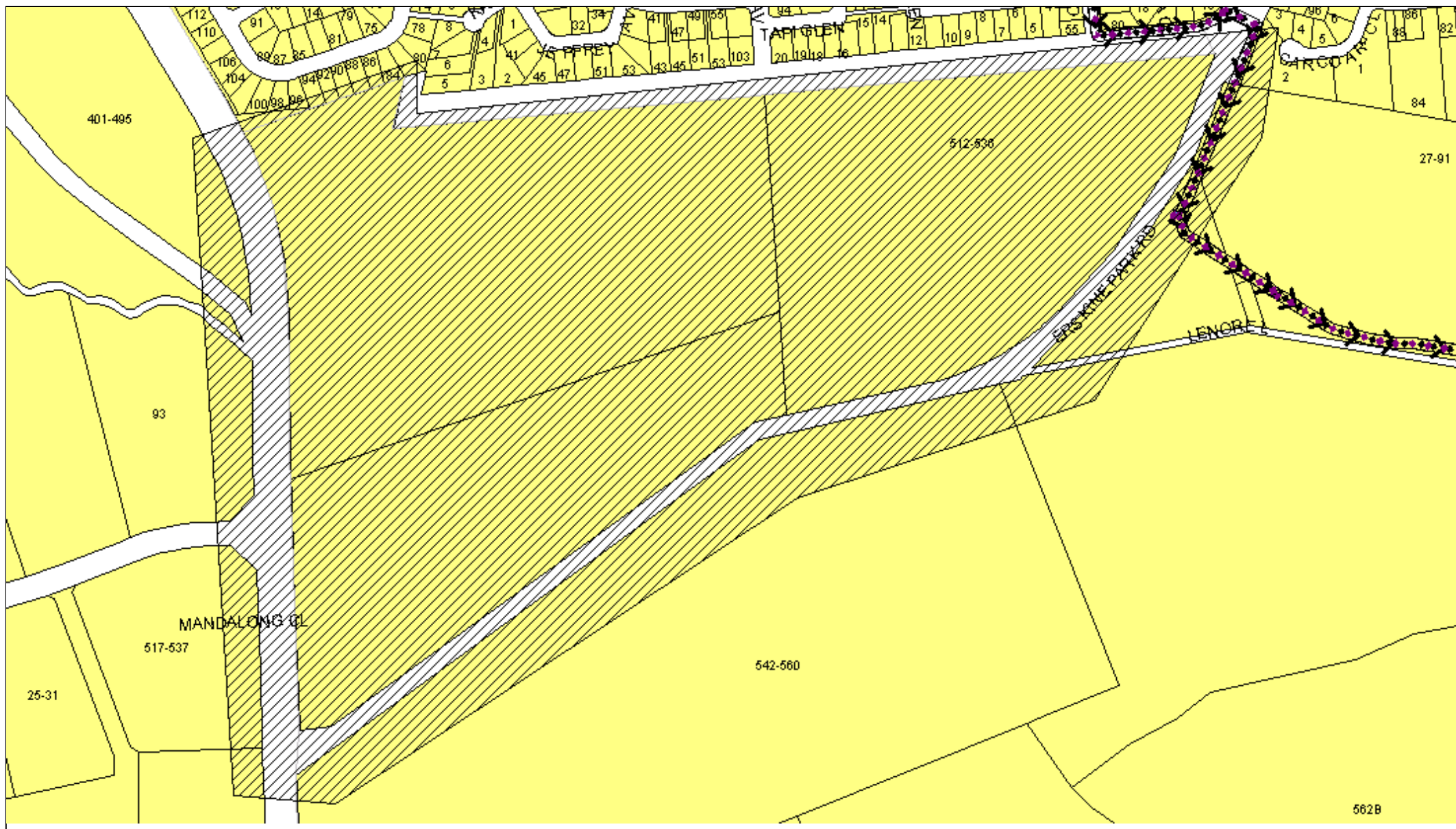


Warning: The enclosed plans show the position of Jemena Gas Networks (NSW) Ltd's underground gas mains and installations in public gazetted roads only. **Individual customers' services and services belonging to other third parties are not included** on these plans. These plans have been prepared solely for the use of Jemena Gas Networks (NSW) Ltd and Jemena Asset Management Pty Ltd (together "**Jemena**") and any reliance placed on these plans by you is entirely at your own risk. The plans may show the position of underground mains and installations relative to fences, buildings etc., as they existed at the time the mains etc were installed. The plans may not have been updated to take account of any subsequent change in the location or style of those features since the time at which the plans were initially prepared. Jemena makes no warranty as to the accuracy or completeness of the enclosed plans and does not assume any duty of care to you nor any responsibility for the accuracy, adequacy, suitability or completeness of the plans or for any error, omission, lack of detail, transmission failure or corruption in the information provided. Jemena does not accept any responsibility for any loss that you or anyone else may suffer in connection with the provision of these plans, however that loss may arise (including whether or not arising from the negligence of Jemena, its employees, agents, officers or contractors). The recipient of these plans must use their own care and diligence in carrying out their works and must carry out further surveys to locate services at their work site. Persons excavating or carrying out other earthworks will be held responsible for any damage caused to Jemena's underground mains and equipment. Jemena advises that you may be required to carry out potholing by hand if required by a Pipeline Technician to confirm the location of Jemena's main and installations. This must also be performed by you under the supervision of a Pipeline Technician and be carried out in accordance with the Working Near Underground Assets Guideline published in 2007 by Work Cover Authority

In case of Emergency Phone 131 909 (24 hours)

Rebecca
93979107

Jemena Asset Management Pty Ltd ABN 53 086 013 461
for and on behalf of Jemena Gas Networks (NSW) Ltd ABN 87 003 004 322

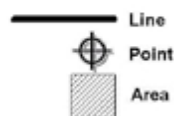


Optus
Cable Optus Underground OVERVIEW MAP
Scale: 1 : 5500 Printed On: 27 10 2011

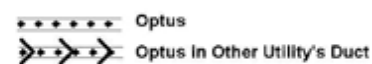
Sequence Number: 23094069
Location: 23-107 rskine ark d



Job Location



Underground Asset



This document is confidential and may also be privileged and neither confidential nor privileged is it being transmitted to an incorrect addressee. No liability is accepted for the contents of this document that has been extracted from our records is believed to be accurate, but no responsibility is assumed for any error or omission.



27/10/2011

Network Operations Centre - Asset Analysis

1 onpark oad
Mac uarie ark N 2113
h: 1800 505 777
Fax: 1300 307 035

To: Mr Nathaniel Murra

Company: Mc en ie roup Consulting lanning (N)

Address: level 6 189 ent t
dne Ns 2000

Fax: Not uplied

Asset Location Reply

ear Mr Nathaniel Murra

ith re erence to our en uir o

- | **Location:** 23-107 rskine ark d rskine ark N 2759
- | **Sequence No:** 23094069
- | **Dial Before You Dig Job No:** 5036471
- | **Dial Before You Dig Customer No:** 1040876

ter re erring to the ptus and or ecomm asset database T ind that ithin the vicinit o our proposed orks there are:

EXISTING Optus UNDERGROUND ASSETS

lease re er to the attached map or urther details as ou are responsible or an damage ou ma cause to ptus and or ecomm assets due to negligence on our part

Note: You must not commence work without first obtaining an on-site location of the Optus underground plant and approval of your works plans. nl ptus sta (or ptus approved location contractors) are to provide onsite location services or ptus plant ou can arrange ptus and or ecomm onsite locations b calling ptus on 1800 505 777 and ptus or its approved representatives ill attend our site to identi the exact location o ptus assets (the ptus and or ecomm sset lignment)

Optus requires 2 clear business days notice to conduct an on-site location.

The initial on site location visit ill not normal incur a charge but at the discretion o ptus subse uent site visits ma incur a charge to be applied at an hourl rate

e thank ou or our en uir and appreciate our continued use o the ial e ore ou ig ervice and or ptus sset nal sis ervice ou re uire urther in ormation please contact ptus on **1800 505 777**

This reply relates only to the location indicated above and is valid for 14 days from the sent date. Where additional works are planned that have not been specified with this reply, Optus require that an additional enquiry be submitted. In the case of no additional location request being submitted, Optus will hold the relevant party responsible for any damage to Optus and/or Uecomm plant and all expenses incurred by Optus as a result of asset damage.



Optus Limited
ACN 052 833 208

IMPORTANT This transmission may be confidential and privileged. Unauthorised use is prohibited. If you have it in error, please notify us and shred this document.
Thank you.



Response Cover Letter

26/10/2011

PIPE Networks

Level 17, 127 Creek St
Brisbane QLD 4000
Phone: +61 732339895
Fax: +61 732339880

To:

Mr Nathaniel Murray (Customer ID: 1040876)
McKenzie Group Consulting Planning (NSW)
Level 6 189 Kent St
Sydney, NSW 2000

Email: nmurray@mckenzie-group.com.au

Phone: 0282986820

Fax: Not Supplied

Mobile: Not Supplied

Dear Mr Nathaniel Murray,

The following is our response to your Dial Before You Dig enquiry.

Assets Affected: Telstra

Sequence Number: 23094073
Location: 23-107 Erskine Park Rd
Erskine Park, NSW 2759
Commencement Date: 29/10/2011 12:00:00 AM

Please read over the attached documents for more information about your enquiry.

DISCLAIMER: No responsibility/liability is taken by PIPE Networks for any inaccuracy, error, omission or action based on the information supplied in this correspondence.

Note: If the works fall in an area that adjacent to PIPE Networks infrastructure, a pre-inspection is required prior to commencement of works. Contact PIPE Networks to arrange an inspection time. **NO WORKS TO COMMENCE PRIOR TO INSPECTION.**



Level 17, PIPE Networks House, 127 Creek Street, Brisbane
4000

PH: (07) 3233 9895 FAX: (07) 3233 9885

DBYD ENQUIRY RETURN:

PIPE Networks **DOES** own or operate telecommunications network infrastructure within the request area detailed above.

The affected network infrastructure is contained within the **Telstra** duct network and can be found listed on the appropriate **Telstra** duct Network plans.

THIS NETWORK IS VITAL TO OUR OPERATIONS AND AS SUCH, IT IS CRITICAL THAT **NO WORKS** COMMENCE WITHIN THE AREA UNTIL YOU HAVE RECEIVED AND APPRAISED THE TELSTRA DUCT PLANS FOR THIS AREA.

Due to continued network expansion, this network information can only be considered valid and accurate for 14 days from issue.

PIPE Networks will seek compensation for any damage to its network through negligence or ignorance of your duty of care.

PIPE NETWORKS

Ph (07) 3233 9895

Email: support@pipenetworks.com

(for information specifically on this job only)

ATTENTION

Accuracy of plans not to be assumed – see Clause 4. Plans not for conveyancing purposes.

The accompanying plan(s) in relation to Sydney Water's pipelines are forwarded in response to your recent Dial Before You Dig inquiry. Please note the following important information and bases upon which the plan(s) are issued:

1. The accompanying plans have been generated by an automated system. The plans should cover the area highlighted in the "Locality Indication Only" window on your Caller Confirmation. It is that defined area which is used to automatically generate the plans and not UBD or address information or any free text information provided to Dial Before You Dig. It is important, therefore, that you be accurate in defining your dig site when you lodge your enquiry with Dial Before You Dig. It is the enquirer's responsibility to resubmit the enquiry to Dial Before You Dig if the information supplied does not match the proposed dig site.
2. Plans indicate the general position of Sydney Water's pipelines and associated structures and fittings ("pipelines") at the time of their construction. Sydney Water does NOT guarantee that all its existing pipelines are shown on the plans (Particular care should be exercised in newer developments as pipeline details may not yet have been supplied to Sydney Water). Plans have NOT necessarily been adjusted to reflect any subsequent changes to surface levels, road alignments, fences, buildings and the like. Pipeline locations are approximate and, accordingly, the plans are NOT suitable for scaling purposes.
3. Plans do NOT show locations of property services (often called house service lines) belonging to and/or serving individual customers, and which are usually connected to Sydney Water's pipelines.
4. You accept the plans on the understanding that Sydney Water does not warrant their accuracy or completeness. This means that you cannot rely solely on the plans as a conclusive record of the location of Sydney Water's pipes nor the location of any other underground pipes or cables. The safe and proper excavation and exposure of underground pipes and cables is your responsibility. No liability will accrue to Sydney Water for damage, loss or injury as a consequence of excavation undertaken by you or your employees or agents. You are also referred to the warning below.
5. To determine their precise location, Sydney Water's pipelines MUST first be exposed by pot-holing using hand-held tools or vacuum techniques i.e. before any mechanical means of excavation are employed.
6. Asbestos cement pipelines may form part of Sydney Water's water and sewerage reticulation systems and, if damaged, can pose a risk to health.
7. Persons excavating in the vicinity of Sydney Water's pipelines MUST exercise care and suitably protect Sydney Water's pipelines. Protection may include timbering, sheet piling, support and/or bracing or tommying to prevent movement.
8. Any movement in a pipeline could result in joint failure, flooding and death or injury to persons (in addition to damaged assets). The protection of Sydney Water's pipelines benefits the safety of workers.
9. Constructors are legally responsible for any damage and financial loss resulting from their interfering with Sydney Water's pipelines. **In an emergency, call 13 20 90 (24 hours, 7 days).**
10. Minimum clearances MUST be maintained between Sydney Water's pipelines and underground services belonging to other parties.
11. Plans MUST be approved by Sydney Water (usually signified by stamping) prior to landscaping and/or building over or adjacent to any Sydney Water asset.
12. Backfilling of excavation work in the immediate vicinity of Sydney Water's pipelines MUST comply with Sydney Water's standards.

Further information and guidance is available on Sydney Water's website at www.sydneywater.com.au / Building Developing and Plumbing where the following documents can be found under Dial Before You Dig :

- Avoid Damaging Water and Sewer Pipelines
- Water Main Symbols
- Sewer Symbols
- Depths of Mains
- Guidelines for Building Over/Adjacent to Sydney Water Assets
- Clearances Between Underground Services

or call 13 20 92 for Customer Enquiries.

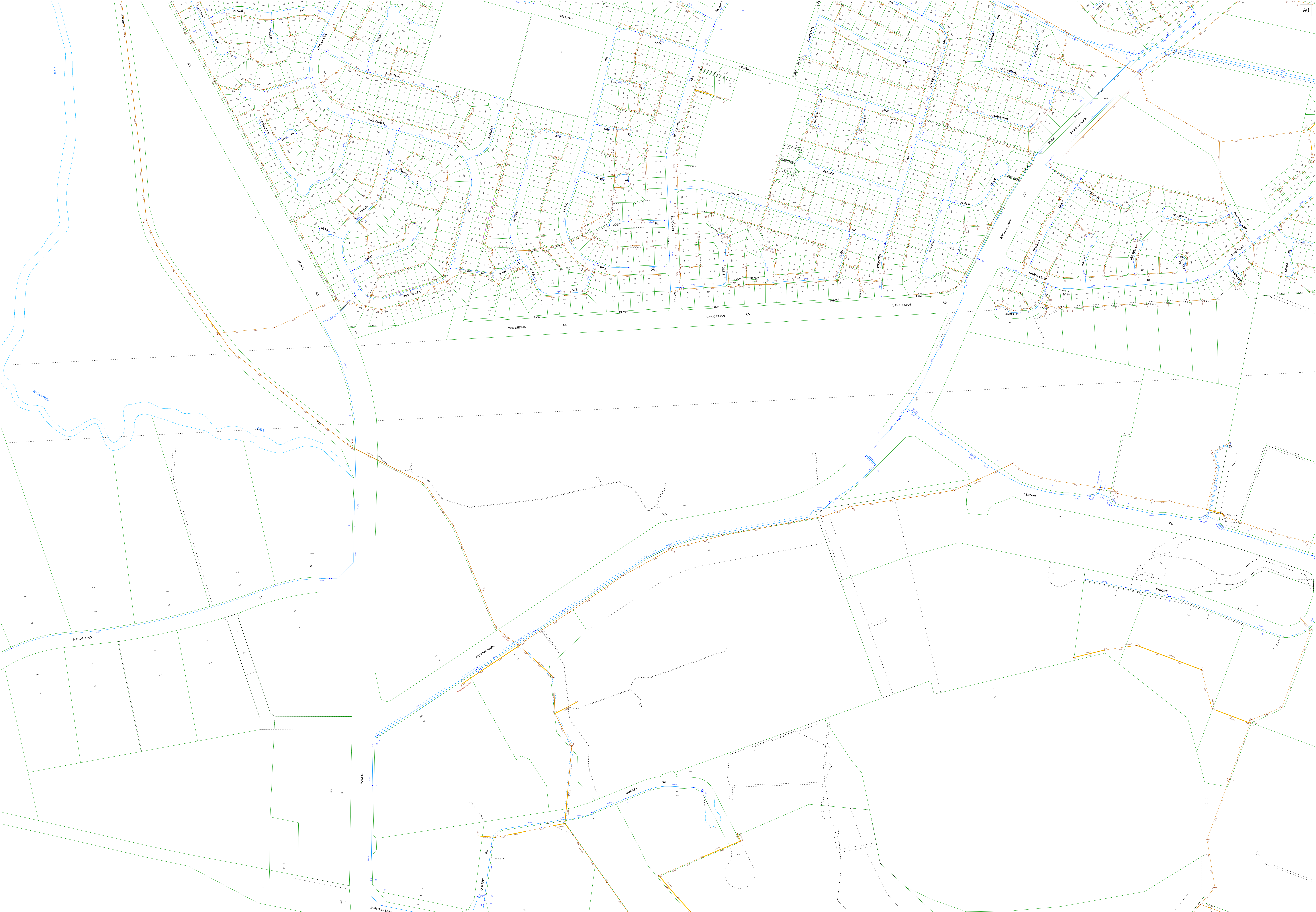
NOTE:

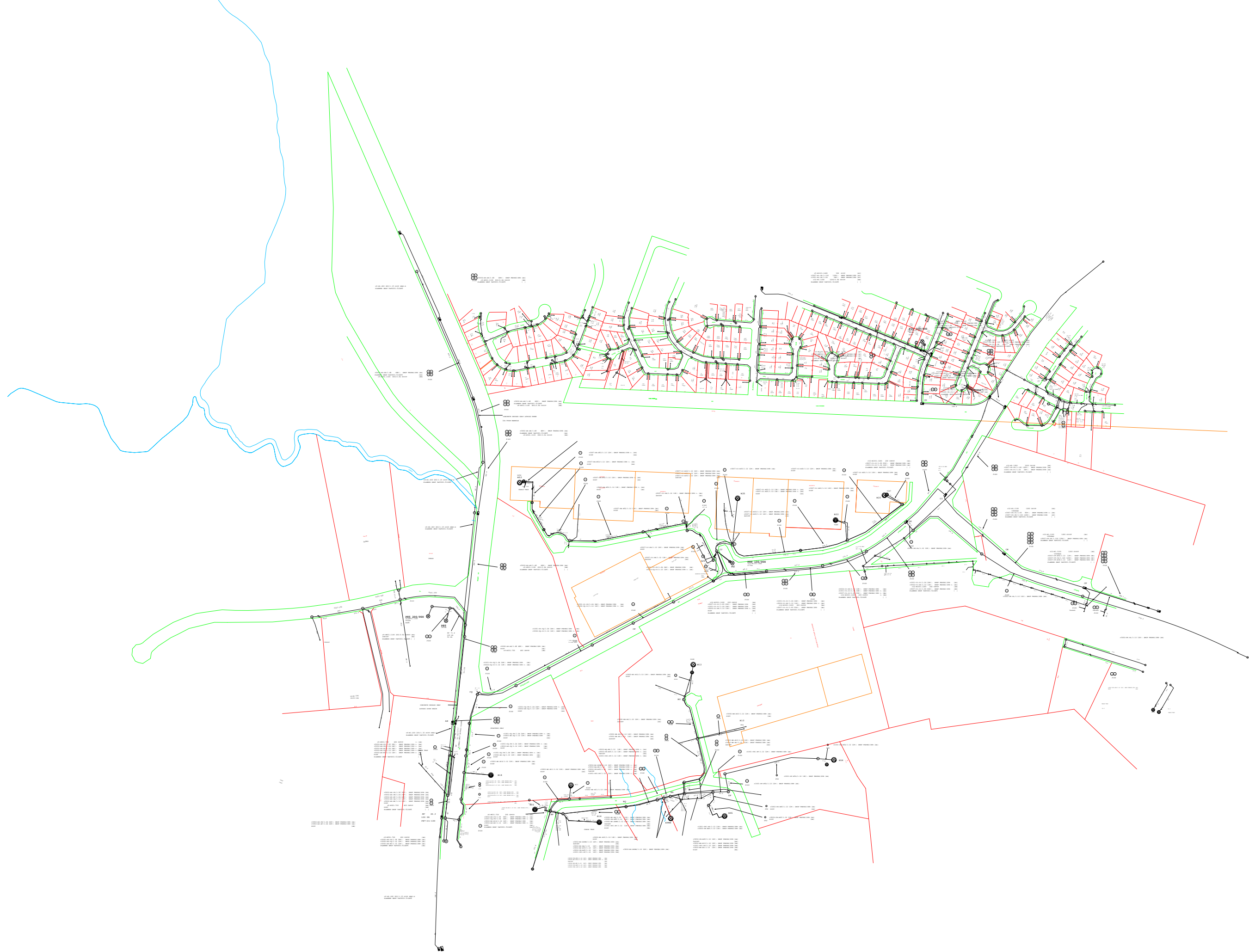
If you lodged your enquiry via telephone or facsimile, be aware that on-line enquiries 24 hours per day 7 days per week to www.dialbeforeyoudig.com.au will enable you to receive colour plans in .pdf format 24/7 via email.

The plans were prepared primarily for Sydney Water's internal business needs and for the primary purpose of recording the approximate location of Sydney Water's pipes. You are referred to the disclaimer above.

The plans do not indicate any other pipes or cables, for example, electrical cables, whether owned by Sydney Water or others. You must ensure that any proposed excavation is conducted safely and in compliance with all relevant safety and other laws.

NOTICE: This communication is confidential. If you are not the nominated recipient, please destroy all copies immediately. Sydney Water Corporation prohibits unauthorised copying and/or distribution of this communication.







Telstra Corporation Limited

DUTY OF CARE

IMPORTANT:

Please read and understand all the information and disclaimers provided below. Sketches and plans provided by Telstra are circuit diagrams only and indicate the presence of telecommunications plant in the general vicinity of the geographical area shown. Exact ground cover and alignments cannot be given with any certainty and cover may alter over time. Telecommunications plant seldom follow straight lines and careful on-site investigation is essential to uncover and reveal its exact position.

Due to the nature of Telstra plant and the age of some cables and records, it is impossible to ascertain the location of all Telstra plant. The accuracy and/or completeness of the information can not be guaranteed and accordingly, Telstra plans are intended to be indicative only.

"DUTY OF CARE"

When working in the vicinity of telecommunications plant, you have a legal duty of Care that must be observed.

It is the responsibility of the owner and any consultant engaged by the owner, including an architect, consulting engineer, developer and head contractor, to design for minimal impact and protection of Telstra plant. Telstra will provide plans and sketches showing the presence of its network to assist at this design stage.

It is the owner's (or constructor's) responsibility to:-

a) request plans of Telstra plant for a particular location at a reasonable time before construction begins. If you have any doubts as to the exact location of Telstra plant, we strongly recommend that you engage an accredited plant locator in your area.

b) visually locate Telstra plant by hand digging or using non-destructive water jet method (pot holing). Where construction activities may damage or interfere with Telstra plant (see essential precautions and approach distances section for more information) and

c) contact Telstra's **Plan Services** (see below for details) if Telstra plant is wholly or partly located near planned construction activities.

DAMAGE:

ANY DAMAGE TO TELSTRA'S NETWORK MUST BE REPORTED TO 132203 IMMEDIATELY.

The owner is responsible for all plant damage when works commence prior to obtaining Telstra plans or failure to follow agreed instructions.

Telstra reserves all rights to recover compensation or loss or damage to its cable network or other property, including consequential losses.

EMERGENCY SITUATIONS

Emergency situations are unplanned and include (amongst other things):

- damaged or faulty underground or aerial power cables/poles
- burst leaking water mains
- burst leaking sewer mains
- burst leaking gas pipes
- any other emergency situation that may impact Telstra network

NOTE: Failure to lodge requests in time for normal maintenance work is not deemed as an emergency.

During working hours - in emergency situations urgent requests or plans or information relating to the location of Telstra network are to be made direct to the dial before you dig service
Note that a fast response can be provided if a request is made on line with a supplied return email address between 5am-10pm
T 7 days a week

Outside Normal Business hours or outside hours of automated responses - in emergency situations urgent requests or plans or information relating to the location of Telstra network are to be made direct to Telstra on phone **1800 801 801**

NATURAL DISASTERS

Natural disasters include (amongst other things):

- Earth quakes
- Cyclones
- Floods and
- Tsunami

In the case of such events urgent requests or plans or information relating to the location of Telstra network can be made direct to Telstra Network Integrity Team Managers as follows:

NSW - Peter Barth 0419 263 445

SA - Tony Kent 0419 727 397

CT - David Ovaan 0417 300 947

NT - Dave Allard 0419 807 901

PLAN SERVICES

For all Telstra (dial before you dig) map enquiries please contact Telstra Plan Services

email - **Telstra.Plans@team.telstra.com**

fax - **(02) 4961 3714**

phone - **1800 653 935** (for urgent onsite or optical fibre enquiries)

Please note - to make an enquiry the plans must be current (within 60 days of issue). If your plans have expired you will need to submit a new request via DBYD.

ASSET RELOCATIONS

You are not permitted to relocate or alter any Telstra assets or network under any circumstance

For all enquiries relating to the relocation of Telstra assets please phone **1800 810 443** or email **F1102490@team.telstra.com**

CONCERNING TELSTRA PLANS:

Please note the following:

- For plans of Telstra locations contact **Dial Before You Dig** at least 2 business days prior to digging (**www.1100.com.au** or phone **1100**)
- Fast response can be provided by Telstra if an email address is supplied (if posted this may take up to one week or longer to receive plans)
- Telstra plans and information provided are **valid for 60 days** from the date of issue
- Telstra owns and retains the copyright in all plans and details provided in conjunction with the applicant's request. The applicant is authorised to use the plans and details only for the purpose indicated in the applicant's request. The applicant must not use the plans or details for any other purpose. The plans and details should be disposed of by shredding or any other secure disposal method after use.
- Telstra plans or other details are provided only for the use of the applicant, its servants or agents. **The applicant may not give the plans or details to other parties, and may not generate profit from commercialising the plans or details.**
- Please contact Telstra **Plan Services** (see above for details) immediately should you locate Telstra assets not indicated on these plans
- Telstra, its servants or agents shall not be liable for any loss or damage caused or occasioned by the use of plans and/or details so supplied to the applicant, its servants and agents, and the applicant agrees to indemnify Telstra against any claim or demand for any such loss or damage
- Please ensure Telstra plans and information provided remains on-site at all times throughout your construction phase

ESSENTIAL PRECAUTIONS and APPROACH DISTANCES:

NOTE: If the following clearances cannot be maintained, please contact Telstra Plan Services (see above for details) for advice on how best to resolve this situation.

1. On receipt of plans and sketches and before commencing excavation work or similar activities near Telstra's plant **carefully locate this plant first** to avoid damage. Undertake prior manual exposure such as potholing when intending to excavate or work **closer** to Telstra plant than the following approach distances

Where Telstra's plant is in an area where road and footpaths are well defined by kerbs or other features a minimum clear distance of 600mm must be maintained from where it could be reasonably presumed that plant could reside

In non-established or unformed reserves and terrain this approach distance must be at least 1.5 metres

In country/rural areas which may have wider variations in reasonably presumed plant presence the following minimum approach distances apply:

- a) Parallel to main plant: 10 metres (or N optic fibre and copper cable over 300 pairs)
- b) Parallel to other plant: 5 metres

NOTE: Even manual pot-holing needs to be undertaken with extreme care, commonsense and employing techniques least likely to damage cables. For example, orientate shovel blades and tools parallel to the cable rather than digging across the cable

If construction work is parallel to Telstra plant then careful hand digging or using non-destructive water jet method (pot-holing) at least every 5m is required to establish the location of all plant, hence confirming nominal locations before work can commence

2. Maintain the following minimum clearance between construction activity and **actual location** of Telstra plant

Jackhammers/Pneumatic Breakers	<i>Not within 1.0m of actual location.</i>
Vibrating Plate or Wacker Packer Compactor	<i>Not within 0.5m of Telstra ducts. 300mm compact clearance cover before compactor can be used across Telstra ducts.</i>
Boring Equipment (in-line, horizontal and vertical)	<i>Not within 2.0m of actual location. Constructor to hand dig or use non-destructive water jet method (pot-hole) and expose plant.</i>
Heavy Vehicle Traffic (over 3 tonnes)	<i>Not to be driven across Telstra ducts (or plant) with less than 600mm cover. Constructor to check depth via hand digging.</i>
Mechanical Excavators, Farm ploughing and Tree Removal	<i>Not within 1.0m of actual location. Constructor to hand dig or use non-destructive water jet method (pot-hole) and expose plant.</i>

If Telstra pits and manholes should be a minimum of 1.2m in from the back of kerb after the completion of your work

If Telstra conduit should have the following minimum depth of cover **after the completion of your work:-**

- **Footway 450mm**
- **Roadway 450mm at drain invert and 600mm at road centre crown**

For clearance distances relating to Telstra pillars, cabinets and MS/CMs please contact Telstra Plan Services (see above for details)

FURTHER ASSISTANCE:

Assistance can be obtained by contacting Telstra **Plan Services**

Where on-site location is provided the owner is responsible for all hand digging or use non-destructive water jet method (pot-holing) to visually locate and expose Telstra plant

If plant location plans or visual location of Telstra plant by digging reveals that the location of Telstra plant is situated wholly or partly where the owner plans to work then **Telstra's Network Integrity Group** must be contacted through Telstra **Plan Services** to discuss possible engineering solutions

NOTE:

Telstra relocation or protection works are part of the agreed solution then payment to Telstra for the cost of this work shall be the responsibility of the principal developer or constructor. The principal developer or constructor will be required to provide Telstra with the details of their proposed work showing how Telstra's plant is to be accommodated and these details must be approved by the regional Network Integrity Manager prior to the commencement of site works

RURAL LANDOWNERS - IMPORTANT INFORMATION

where Telstra owned cable crosses agricultural land Telstra may provide a once off free on-site electronic cable location. The Telstra land services operator will provide assistance in determining whether a free on-site location is required.

Please note:

- The exact location including depth of cables can only be verified by spot holing which is not covered by this service.
- This service is only available to assist private rural land owners.
- This service covers one hour on-site only. Additional time can be purchased directly from the accredited plant locator.

For further information including terms and conditions please contact Telstra land services on phone **1800 653 935**

PRIVACY NOTE

Your information has been provided to Telstra to enable Telstra to respond to your request. Telstra keeps your information in accordance with its privacy statement entitled 'Protecting your privacy' which can be obtained from Telstra either by calling 1800 039 059 or visiting our website at telstra.com.au/privacy

A GUIDE TO READING PLANS

Telstra Corporation Limited
ABN 33 05 1175 556



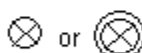
Exchange
(major cable present)



Footway access chamber
(can vary from 1-lid to 12-lid)



Roadway access chamber



Pillar/cabinet
(above the ground / free standing)



Above ground complex equipment housing (eg RIM)

Please Note: This equipment is powered by 240V electricity.

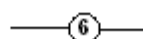


PT Public telephone

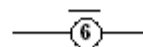
Please Note: This equipment is powered by 240V electricity.



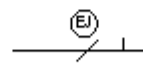
Direct buried cable



Cable jointing pit
(number indicating pit type)



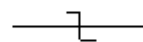
Buried cable jointing pit
(number indicating pit type)



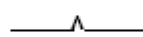
Elevated cable joint
(above ground joint on buried cable)



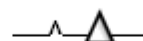
Cable loop (direct buried)



Telstra Plant in shared utility trench



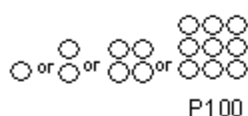
Aerial Cable
(above ground)



Aerial cable
(attached to joint use pole e.g. power)



SMOF Optical fibre cable direct buried



Single to multiple round conduit

Configurations 1, 2, 4, 9 respectively

(Attached text denotes conduit type and size)

P100



Multiple square conduit

Configurations 2, 4, 6 respectively

(Attached text denotes conduit type and size)

E85

Some examples of conduit type and size:

A - Asbestos cement, P - PVC / plastic, C - Concrete, GI - Galvanised iron, E - Earthenware.

Conduit sizes *nominally* range from 20mm to 100mm.

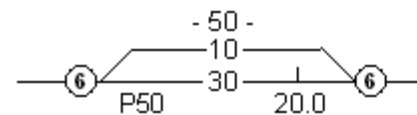
P50 50mm PVC conduit

P100 100mm PVC conduit

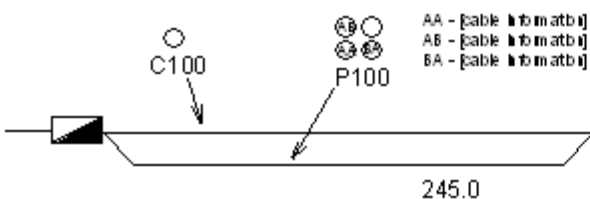
A100 100mm asbestos cement conduit

E 85 85mm square earthenware conduit

Some examples of how to read Telstra plans:



One 50mm PVC conduit (P50) containing a 50-pair and a 10-pair cable between two 6-pits, 20.0m apart, with a direct buried 30-pair cable along the same route.



Two separate conduit runs between two footway access chambers (manholes) 245m apart. A nest of four 100mm PVC conduits (P100) containing assorted cables in three ducts (one being empty) and one empty 100mm concrete duct (C100) along the same route.

WARNING: Telstra's plans show only the presence of cables and plant. They only show their position relative to road boundaries, property fences etc. at the time of installation and Telstra does not warrant or hold out that such plans are accurate thereafter due to changes that may occur over time.

DO NOT ASSUME DEPTH OR ALIGNMENT of cables or plant as these vary significantly.

The customer has a DUTY OF CARE when excavating near Telstra cables and plant. Before using machine excavators TELSTRA PLANT MUST FIRST BE PHYSICALLY EXPOSED BY SOFT DIG (potholing) to identify its location.

Telstra will seek compensation for damages caused to its property and losses caused to Telstra and its customers.

Electronic plans - PDF and DWF maps

If you have received Telstra maps via email you will have received the maps as either a PDF file (or smaller areas) or a DWF file (or larger area requests). If you are unable to launch an application or view the maps or viewing and printing you may need to download and install one or more of the free viewing and printing products such as Adobe Acrobat Reader (or PDF files) or Autodesk Design Review 2010 (or DWF files) available from the internet.

PDF files

PDF is the default software format for all requests that range in size from 0 metres (eg point requests) to requests up to approximately 500m in length (depends on geographic location of request). The PDF file is formatted to 3 portrait sheet however it can be printed on an A4 sheet including from A4 to either as the full sheet or selected areas to suit needs and legibility (to print a selected area zoom up and print current view). There are multiple layers of Telstra network you may receive up to 2 sheets in the single PDF file attachment supplied. There are three types of layers: network normally recorded - local network mains cables or a combined layer of local and mains (usually displayed in rural or semi rural areas). Mains cable network is present in addition to local cables (ie as separate layer in a particular area) the mains will be shown on a separate sheet. The mains cable information should be read in conjunction with the local cable information.

DWF files

This is the default software format for all requests that are over 500m in length. Maximum length of a DWF automated response is approximately 2500m - depending on geographic location of request (non automated longer). The DWF files differ from PDF in that DWF are vector files made up of layers that can be turned on or off and are not formatted to a specific sheet size. This makes them ideal for larger areas and for transmitting over email etc.

How to view Telstra DWF files -

Telstra DWF files come with all layers turned on. You may need to turn individual layers on or off for viewing and printing clarity. Individual layer names are CC (main cable conduit) (distribution or local area network) and sometimes a combined layer - C/C. A layer details can be viewed by either picking the side menu or by selecting 'info' then layers on the top menu bar. Select layers to turn individual layers on or off (double click or right click on layer icon).

How to print Telstra DWF files -

DWF files can be printed on an A4 sheet. They can be printed in their entirety or by selected areas of interest. Some DWF coverage areas are large and are not suited to printing legibly on a single A4 sheet - you may need several prints. If you only have an A4 printer, a 31 or larger printer should be used. To print zoom in or out and then by changing the print range settings you can print what is displayed on your screen to suit your paper size. If you only have a small printer eg A4 you may need to zoom until the text is legible on your screen or it to be legible on the print (which is why you may need several prints). To print what is displayed on your screen the view setting should be changed from full page to current view. The current sheet setting should also be selected. You may need to print layers separately for clarity and legibility (details above on how to turn layers on or off).

How to change the background colour from white to black (when viewing) Telstra DWF files -

using Autodesk Design Review the background colour can be changed by selecting Tools then options then sheet. Tick the box 'override published paper colors' and select the colour required using the tab provided.

Further information

If you require further assistance with supplied PDF or DWF plans eg with legibility or you believe there may be missing information please contact Telstra services (contact details above) - you will need to supply the Telstra service number of the plan request.

Telstra automated plan service

Telstra provides an automated plan response for the majority of requests received (currently around 80%). Requestors must supply a current email address on their request and must also be able to accept a standard format ie PDF or DWF. An automated response can be provided a lot faster than the alternative which is a mailed hardcopy. This can avoid unnecessary

delays in waiting or plans to arrive being so top it can easily be sent directly to a worksite and can be available 7 days a week. The automated system can be configured for individual requests to receive either F or F (where small requests are F and larger requests are F) or alternatively all in F (both small and large requests). Please contact land services for further details or to be configured. Please note all requests over 500m (approx) in size can only be supplied in F format and there are size limits on what can be provided (actual size depends on geographic location of requested area).

Data Extraction Fees

In some instances a data extraction fee may be applicable for the supply of Telstra information. Typically a data extraction fee may apply to - large projects, requests to be supplied in non-standard formats, excessive hardcopy printing or requests for non-digging purposes. Further details can be obtained by contacting Telstra land services.

ACCREDITED PLANT LOCATORS (For your area)

On-site assistance should be sought from an **Accredited Plant Locator** if the telecommunications plant cannot be located within 2.5 metres of the locations indicated on the drawings provided.

On-site advice should be obtained from a Telstra accredited asset plant locator who is highly skilled in locating Telstra plant. In the case where Telstra plant is outside a recognised road reserve, Telstra recommends that Telstra land services are contacted for assistance prior to engaging an accredited asset plant locator.

Telstra does not permit external parties (non-Telstra) to conduct work on our network. Only Telstra staff or Telstra contractors are allowed to enter our manholes, open our pits, ducts, etc.

Please note it is a criminal offence under the *Criminal Code Act 1995* (Cth) to tamper or interfere with communication facilities owned by a carrier. Heavy penalties may apply for breach of this prohibition, and any damages suffered, or costs incurred by Telstra as a result of any such unauthorised works may be claimed against you.

Should our projects require cable location, you must engage an accredited asset plant locator (a list of which is provided with the initial site or dig plans). Alternatively, you may seek your own accreditation through our registered training partner Coates Hire Training, which is the only approved training provider for asset plant location accreditation or Telstra's network, you may contact Coates Hire Training on

1300 657 867 or visit **www.coateshire.com.au**

For the assistance of customers, an accredited asset plant locator can perform any of the following activities if requested to do so by the owner:

- review Telstra's plans to assess the approximate location of Telstra plant
- advise owners of the approximate location of Telstra plant according to the plans
- advise owners of the best method for locating Telstra plant
- advise owners of the hazards of unqualified persons attempting to find the exact location of Telstra plant and working in the vicinity of Telstra plant without first locating its exact position and
- perform trial hole explorations by hand digging (pot-holing) to expose Telstra plant with a high degree of skill, competence and efficiency and utilising all necessary safety equipment

A list of Accredited Plant Locators operating in your area is attached. Accredited Plant Locators are certified by Telstra to perform the tasks listed above. Owners may engage Accredited Plant Locators to perform these services, however Telstra does not give any warranty in relation to these services that Accredited Plant Locators are competent or experienced to perform any other services.

The attached list provides the names and contact details of accredited plant locators who service your area and can provide you with assistance in locating Telstra plant on site. These organisations have been able to satisfy Telstra that they have a sound knowledge of telecommunications plant and its sensitivity to disturbance, appropriate equipment for locating telecommunications plant and competent personnel who are able to interpret telecommunications plans and sketches and understand safety issues relevant to working around telecommunications plant. They are also able to advise you on the actions which should be taken if the work you propose will result in a relocation of the telecommunications plant and/or its means of support.

We recommend that you engage the assistance of one of these accredited plant locators as a step towards discharging your duty of Care obligations when seeking the location of Telstra's telecommunications plant.

Please Note:

- Each accredited plant locator is NOT permitted to provide depth of communications plant unless physically exposed by hand digging.
- The details of any contract, agreement or retainer for site assistance to locate telecommunications plant shall be for you to decide and agree with the organisation engaged. Telstra is not a party to any contract entered into between an owner and an accredited plant locator. The accredited plant locators are able to provide guidance concerning the extent of site investigations required.
- Payment for the site assistance will be your responsibility and payment details should be agreed before the engagement is confirmed.
- Telstra does not accept any liability or responsibility for the performance of or advice given by an accredited plant locator. Accreditation is an initiative taken by Telstra towards the establishment and maintenance of competency standards to ever performance and the advice given will always depend on the nature of the individual engagement.
- Each accredited plant locator has been issued with a certificate which confirms the accreditation. Every 2 years Telstra will reassess the accreditation and where appropriate will issue a letter confirming the accreditation for the next 2 years. You

have the right to request the organisation you engage to show evidence of their record

- Neither the accredited landlord nor any of its employees are an employee or agent of Telstra and Telstra is not liable for any damage or loss caused by the accredited landlord or its employees
- The attached list contains the current names and contact details of accredited landlords who service your area however these details are subject to change

IDEA FOR CONSIDERATION:

Telstra offer free Cable Awareness Presentations & Advanced Cable Leading Presentations if you believe you or your company could benefit from this offer please contact Network Integrity on 1800 810 443 or **F1102490@team.telstra.com**

Telstra Accredited Plant Locators - New South Wales (Central Region)

If a physical location is required please contact a Telstra accredited locator from the list below. (fees apply)

Name & areas covered	Contact details
Abitek Pty Ltd - Rouse Hill	(02) 4580 9883 or 0413 327 243 Fax: (02) 4580 9884
Absolute Locating Services Pty Ltd - Pennant Hills	(02) 9939 6978 or 0425 257 147 Fax: (02) 9484 7313
Ace Pipe Locating - Chester Hill <i>All Areas, Sydney, Parramatta, Penrith, Ryde, Liverpool, Sutherland Shire, Bankstown, Wollongong, Central Coast</i>	0467 002 222 Fax: (02) 9644 2308
Action Locating <i>Sydney, Newcastle, Wollongong</i>	0415 228 466 (02) 9671 5600
Advanced Ground Locations - Maitland <i>Newcastle, Hunter Valley, Central Coast</i>	(02) 4930 3195 or 0412 497488 Fax: (02) 4930 3222
Australian Utilities Management Pty Ltd- Frenchs Forest	0424 537 952
Australian Underground Survey Solutions Pty Ltd- Narre Warren <i>All Areas</i>	(03) 9700 2311 or 0419 488 883 Fax: (03) 9314 1568
All About Pipes - Leppington	(02) 9606 2320 or 0408 790 010 Fax: (02) 9606 2325
Aquabend - Mirrabooka	0488 925 432
Aquatek Australia Pty Ltd <i>All Areas</i>	0418 612 445 (02) 9971 1294
Australian Locating Services <i>All Areas</i>	1300 761 545 or 0412 227 434 Fax (02) 9531 2169
Barry Bros Specialised Servcies - Milperra	(02) 8723 8777 or 0417 374 252 Fax (02) 9773 0777
Bedrock Bobcat & Excavation Pty Ltd - Minnamurra	(02) 4237 5659 Fax (02) 4237 8029
Bradmac Locating Services - Winmalee	0434 157 409 Fax (02) 4754 3735
Cable & Pipe Locations <i>Coffs Harbour, Yamba, Dorrigo, Grafton, Nambucca, Kempsey</i>	0408 730 430 Fax: (02) 6649 1236
Cardno Australian Underground Services <i>All Areas</i>	1300 224 664 or (02) 9627 5988
CCTS Telecommunications Construction Pty Ltd- Sandgate <i>Newcastle Area</i>	0419 223 199 or (02) 4920 6615 Fax (02) 4967 6572
Chris Bates and Associates - Tighes Hill <i>Mid North Coast, Newcastle, Hunter Valley and Central Coast</i>	0408 427 391 Fax (02) 4969 4028
Civilscan Pty Ltd <i>Greater Sydney</i>	0416 068 060
Dags Location Services - Glenwood	0417 147 945 Fax: (02) 8824 5667
Down Under Consulting - Westleigh	0408 150 345
Down Under Detection Services - Rose Bay	(02) 9371 7744
Down Under Pipeline Surveys Pty Ltd - Orangeville	(02) 4653 1286 or 0418 675 374 Fax (02) 4653 1747
Durkin Construction Pty Ltd- Auburn <i>All Areas</i>	(02) 9712 0308 or 0413 158 255 Fax (02) 9712 0206
Georadar - Moorooka	(07) 3103 9464 or 0411 725 724 Fax: (07) 3848 7610
Ground Scan Locating <i>Bathurst & Central West</i>	0414 640 640 Fax (02) 6332 2599
Groundsearch <i>Blacktown</i>	(02) 9829 1479 0417 411 569
Hunter Ground Search - Cameron Park <i>Central Coast, Hunter Valley, Newcastle</i>	(02) 4953 1244 or 0418 684 819
Hunter Smith Management <i>NSW & ACT</i>	(02) 8090 2695 or 0422 224 761 Fax (02) 8282 5056
Hunter Valley Excavations Pty Ltd - Muswellbrook <i>Singleton, Muswellbrook, Aberdeen, Scone, Murrumbidgee, Merriwa</i>	0427 949 507 Fax: (02) 6541 5280

Kerr Technologies - Wollongong Wollongong, Southern Highlands, South Coast to Bega, West to Wagga, North to Newcastle Inc Sydney/West Sydney	(02) 4262 2009 or 0417 622 009 Fax (02) 4262 0364
Lambert Locations - Gold Coast South East Queensland, Northern NSW	1300 150 035 or 0418 150 035
Laneyrie Electrical Pty Ltd - Dapto Helensburg to Uladulla, Southern Highlands	(02) 4262 5166 or 0412 079 079 Fax (02) 4262 8167
Locaters Sydney, Penrith, Richmond, Macarthur	0418 262 025
Locaters - Woolongong Woolongong, Macarthur	0409 113 313
Lyntet Communications - Dubbo Dubbo, Forbes, Grenfell, Parkes, Bourke, Bourke North, Nyngan, Coonabarabran, Coonamble, Mudgee, Narramine, Wellington, Orange, Bathurst, Molong, Yeoval, Coolah, Dunedoo, Gilgandra, Mendooran	0409 811 673 Fax (02) 6882 9856
Metro Resources Group Pty Ltd - Revesby	(02) 9773 3700 Fax: (02) 9792 4912
Mia Pipe & Cable Layers Pty Ltd - Griffith	(02) 6964 0083 or 0418 501 050 Fax: (02) 6964 7877
O'Donnell Griffin Pty Ltd - Mitchell Canberra, Queanbeyan, Yass	(02) 6204 3300 or 0428 227 608 Fax: (08) 6209 9761
Online Pipe & Cable Locating - Girraween	1300 665 384 or 0418 402 234 Fax (02) 9676 6127
Pipeline Technology Services	(08) 8351 7000 or 0419 878 220 Fax:(08) 8159 7537
Point Locations - East Corrimal Sydney & Surrounding areas, Wollongong, Southcoast, Southern highlands	0417 683 939
Riteway Traffic Control - Tuggerah Central Coast - Newcastle/Hunter	0419 212 969
Rock Drilling Australia Pty Ltd - Upper Coomera	(07) 5573 1578 or 0407 319 997 Fax: (07) 5665 7233
Rubicof - Cessnock Gosford, Newcastle, Taree, Bathurst	(02) 4990 5718 or 0418 683 451 Fax: (02) 4991 2600
Rutherford Electrical Engineering Services - Rutherford	(02) 4932 7344 Fax (02) 4932 5219
Seek Locations Pty Ltd - Tuncurry Forster, Gloucester, Taree, Port Macquarie, Karuah, Kempsey	(02) 6555 8550 or 0407 256 858 Fax (02) 6555 2548
Safe Dig Vacuum Excavation - Greenbank	0439 220 076 or 0408 880 262 Fax: (07) 3297 6639
Shamrock Civil - Birkdale	0424 605 497
Siteline Projects Pty Ltd - Fairlight Greater Sydney, Newcastle	1300 788 814 or 0418 215 441 Fax: (02) 9938 3172
Suk Truk Services Pty Ltd - Branxton Lower & Upper Hunter Valley, Mid North Coast, Central Coast, Newcastle	0419 125 551 Fax: (02) 4938 3418
Suresearch Aust - Wentworthville Sydney, Penrith, Richmond, Woolongong, Katoomba, Macarthur, Central Coast, Newcastle, Maitland, Hunter Valley, Port Macquarie	1300 884 520 or 0408 221 046 Fax: (02) 8915 1487
Sydwide Concrete Saw & Pipe Locators Pty Ltd	0400 815 095 Fax: (02) 9822 7048
Tamworth Precision Excavations - Tamworth	(02) 6760 7722 or 0428 668 728 Fax: (08) 6760 7755
Underground Service Locations Pty Ltd - Gosford Central Coast	(02) 4324 7496 or 0408 677584 Fax: (02) 4323 2626
Vac-U-Digga Pty Ltd - Ormeau	1300 822 834 Mob: 0409 468 711 Fax: 07 3807 5599