



Appendix D

Site History Documentation





Working near nbn™ cables

nbn has partnered with Dial Before You Dig to give you a single point of contact to get information about **nbn** underground services owned by **nbn** and other utility/service provider in your area including communications, electricity, gas and other services. Contact with underground power cables and gas services can result in serious injury to the worker, and damage and costly repairs. You must familiarise yourself with all of the Referral Conditions (meaning the referral conditions referred to in the DBYD Notice provided by **nbn**).

Practice safe work habits

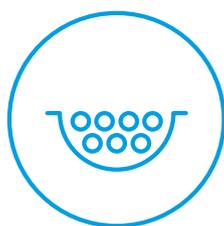
Once the DBYD plans are reviewed, the Five P's of Excavation should be adopted in conjunction with your safe work practices (which must be compliant with the relevant state Electrical Safety Act and Safe Work Australia "Excavation Work Code of Practice", as a minimum) to ensure the risk of any contact with underground **nbn** assets are minimised.



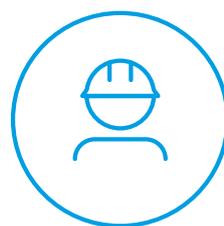
Plan: Plan your job ensuring the plans received are current and apply to the work to be performed. Also check for any visual cues that may indicate the presence of services not covered in the DBYD plans.



Prepare: Prepare for your job by engaging a DBYD qualified Plant Locator to help interpret plans and identify on-site assets. Contact **nbn** should you require further assistance.



Pothole: Non-destructive potholing (i.e. hand digging or hydro excavation) should be used to positively locate **nbn** underground assets with minimal risk of contact and service damage.

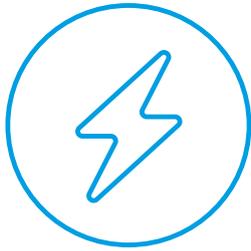


Protect: Protecting and supporting the exposed **nbn** underground asset is the responsibility of the worker. Exclusion zones for **nbn** assets are clearly stated in the plan and appropriate controls must be implemented to ensure that encroachment into the exclusion zone by machinery or activities with the potential to damage the asset is prevented.

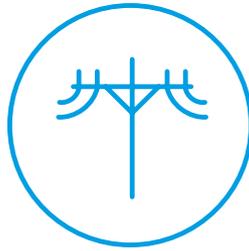


Proceed: Proceed only when the appropriate planning, preparation, potholing and protective measures are in place.

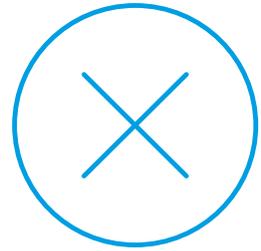
Working near **nbn**TM cables



Identify all electrical hazards, assess the risks and establish control measures.



When using excavators and other machinery, also check the location of overhead power lines.



Workers and equipment must maintain safety exclusion zones around power lines.

Once all work is completed, the excavation should be re-instated with the same type of excavated material unless specified by **nbn**. Please note:

- Construction Partners of **nbn** may require additional controls to be in place when performing excavation activities.
- The information contained within this pamphlet must be used in conjunction with other material supplied as part of this request for information to adequately control the risk of potential asset damage.

Contact

In the event of the **nbn**TM network facility damage please call 1800 626 329

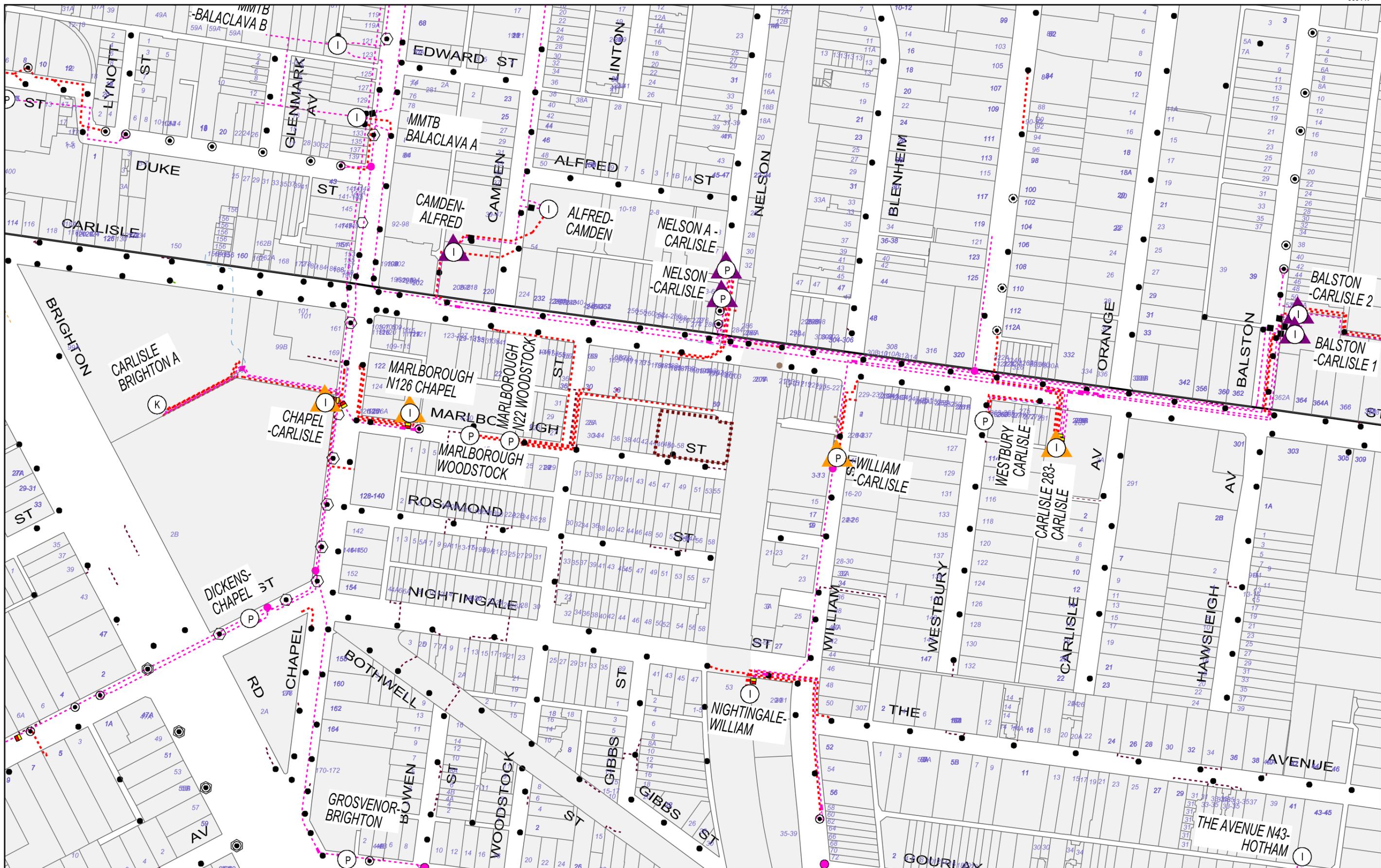
Disclaimer

This brochure is a guide only. It does not address all the matters you need to consider when working near our cables. You must familiarise yourself with other material provided (including the Referral Conditions) and make your own inquiries as appropriate.

nbn will not be liable or responsible for any loss, damage or costs incurred as a result of reliance on this brochure.

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WARNING

Please be advised this is an extract of United Energy Distribution assets.
 This is a representation only and may not indicate all assets in the area. It must not be used for the purpose of exact asset location in order to undertake any type of excavation.
 Please read all conditions & information on the attached information sheet.
 This extract is subject to those conditions.
NOTE: The information contained on this plan is only valid for 28 days from the date of issue.



SCALE: 1:2500



This plan must be printed in colour in order to protect the integrity of the information.

Please note that the information contained in United Energy's GIS system is constantly being updated, and the information contained in these plans is subject to change.
 To the best of our knowledge this information is accurate at the date of issue, United Energy does not accept liability for any loss suffered as a result of reliance on the information.
 If you have any queries, please contact the Service Provider listed on the attached coversheet.

Legend

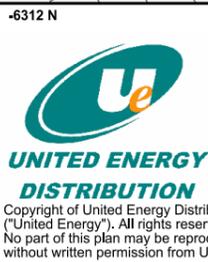
- Electrical [Electricity]
- HV Cable Head, 11kV Location
- HV UG Cable, 11kV Location
- LV UG Cable, Abandoned Location
- LV UG Cable, Mains Location
- LV UG Cable, proposed location - mains (distributor)
- LV UG Cable, Service Location
- LV UG Cable, Service Location - Automatically Inserted
- LV UG Cable, Street Lighting Location - Valid
- LV UG Cable, Street Lighting Location - Invalid Circuit

MELWAY REF : 2P H10

ISSUE DATE : 12/05/2020

DBYD Sequence Number: 97585773

SYSTEM PLAN : YARRA 2500/08.06



1037039 - 97585773 - 2020-05-12 THIS INFORMATION IS VALID FOR 28 DAYS FROM DATE OF ISSUE

LEGEND

- HV U/G CABLE
- LV U/G CABLE
- PUBLIC LIGHTING CABLE
- SUPERVISORY CABLE
- STRAIGHT JOINT
- TEE JOINT
- VEE JOINT
- INSULATED END
- SEALED END
- U/G CABLE CUT END
- LV DISTRIBUTION CABINET WITHOUT FUSES
- SEC DUCT & SIZE
- PIPE (OTHER AUTHORITIES)
- CABLE HEAD POLE: - HV/LV
- DEPTH OF EARTH COVER TO TOP OF CABLE
- DEPTH TO TOP OF OTHER SERVICES/OBSTRUCTIONS
- COLUMN & PUBLIC LIGHT SERVICE PIT
- BOUNDARY OR BUILDING LINE
- KERB LINE
- PARALLELING PILLAR
- HOUSE No
- LOT No
- NEW
- EXISTING
- FUT.

CONDUITS:

- CONDUITS SHALL BE HEAVY DUTY RIGID SOLID PVC TO AS 2053 (TO THE MINIMUM 1984 STANDARDS) COLOURED ORANGE. (SANDWICH CONSTRUCTION OR CORRUGATED TYPES ARE NOT ACCEPTABLE)
- PVC CONDUITS MUST BE JOINED WITH PVC SOLVENT CEMENT.
- CONDUITS SHALL BE PROVIDED WITH SUITABLE END CAPS OR PLUGS OF NON-PERISHABLE MATERIAL AND A 4mm POLYETHYLENE-PLEATED DRAW ROPE. SATISFACTION OF THE RESPONSIBLE OFFICER OF UNITED ENERGY AND APPROVED CONTRACTORS BEFORE BACKFILLING.
- WHERE VARIOUS SIZED CONDUITS ARE LAID IN A COMMON TRENCH, ALL BE LAID WITH THE MINIMUM COVER OF THE LARGEST CONDUIT UNLESS OTHERWISE INDICATED ON THE CABLE CONSTRUCTION PLAN.
- ANY 125mm OR 150mm CONDUITS MUST HAVE A MINIMUM SEPARATION BETWEEN OUTER WALLS OF 75mm FROM ANY OTHER CONDUIT, UNLESS OTHERWISE INDICATED.
- CONDUITS TO BE SLABBED WHERE THEY CROSS OTHER AUTHORITIES EASEMENTS. SLABBING IS TO EXTEND 0.5m BEYOND THE EASEMENT. UNITED ENERGY TO SUPPLY SLABS.
- CONDUITS ARE TO BE INSTALLED UNDER ANY PROPOSED PAVED SURFACE. THE DIRECTION OF THE UNDERGROUND CABLE APPROACHING THE POLE BOTTOM EDGE TO BE 1500mm ABOVE GROUND. POLE TO HAVE ONE SIGN ONLY.
- CUSTOMER SHALL PROVIDE ALL CONDUITS, BEDDING SAND, ARRANGE EXCAVATION AND REINSTATEMENT AND DISTRIBUTE SLABS ALONG CABLE ROUTE ON PRIVATE PROPERTY.
- ORANGE MARKER TAPE IN ACCORDANCE WITH AS / NZS 2648:1 INSTALLED TO 300mm BELOW SURFACE LEVEL + OR - 50MM OF ALL CONDUITS OR CABLES.
- IF AN ORANGE COLOURED PE CONDUIT IS REQUIRED AS PART OF BORING WORKS AND IT DOES NOT MEET AS/NZ 2053, THEN IT WILL NEED TO BE INSTALLED AT A MINIMUM DEPTH OF 750mm COVER FROM GROUND LEVEL WITHOUT MECHANICAL PROTECTION (Jermers Cover Slab), WHERE 750mm COVER CANNOT BE ACHIEVED A MINIMUM DEPTH OF 600mm COVER IS PERMITTED WITH APPROVED MECHANICAL PROTECTION OVER THE CONDUIT. PLEASE REFER TO NETWORK ASSET REGULATIONS.

INSPECTIONS:

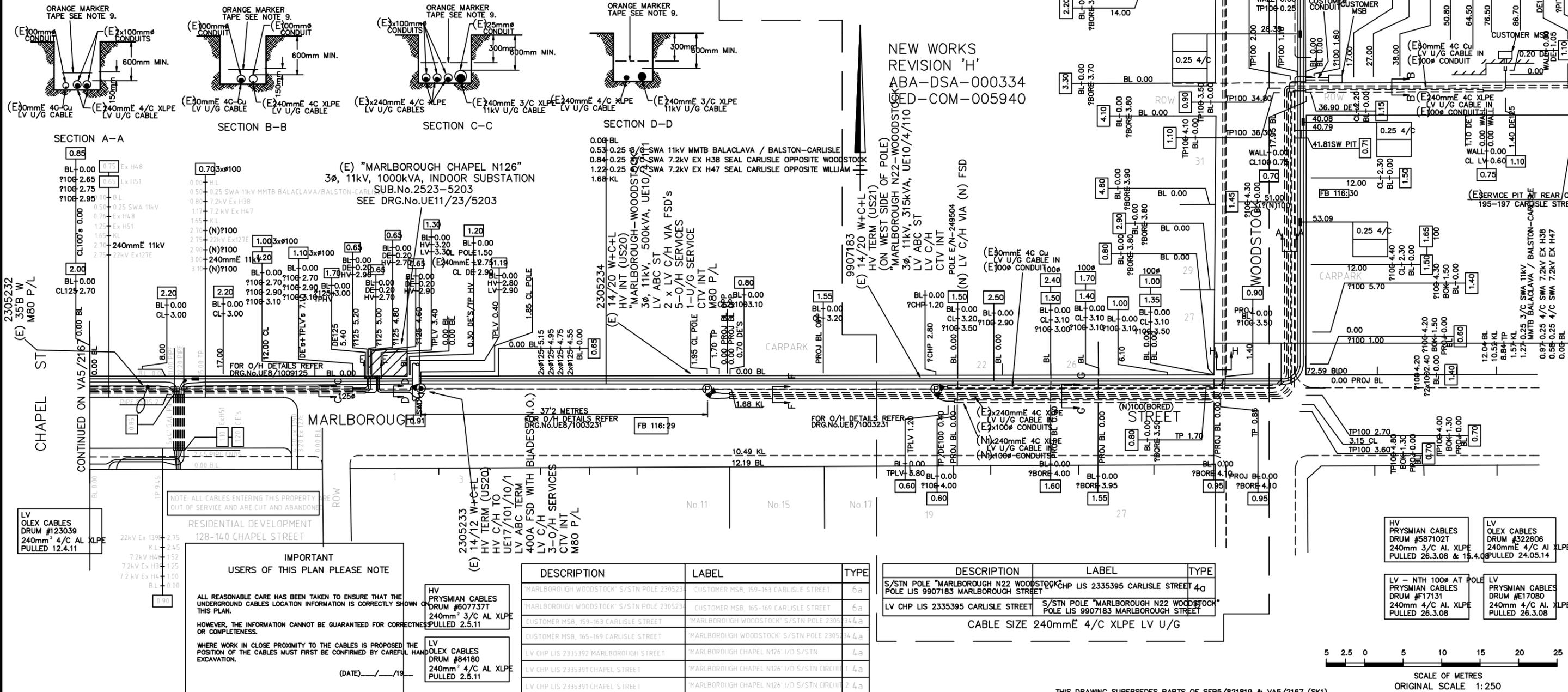
- AT SUBSTATION, EARTHWIRES ARE BURIED WITHIN SUBSTATION SITE AND IN THE VICINITY OF THE SUBSTATION ALONG THE CABLE ROUTE. TO "CHAPEL CARLISLE"
- CABLES AND CONDUITS MUST BE LAID TO THE MINIMUM REGULATED DEPTHS OF THE FINAL SURFACE LEVEL.
- IF DURING CABLING, ANY CONDUIT THAT IS WRONGLY POSITIONED OR PREVENTS FREE PASSAGE OF CABLES THROUGH THEM SHALL BE MADE GOOD TO THE SATISFACTION OF THE RESPONSIBLE OFFICER OF UNITED ENERGY AND APPROVED CONTRACTORS. THE WORK WAS PREVIOUSLY CONSIDERED SATISFACTORY.
- ANY METALIC PIPES BURIED DIRECTLY IN THE GROUND WITHIN 2.0m OF THE SUBSTATION SITE SHALL BE ENCLOSED IN G.E.W. PIPE OR HD PVC CONDUIT OR ENCASED IN 1000 CONDUIT.
- IF AN UNDERGROUND CABLE IS BURIED IN ANY PART OF A ROAD RESERVE, RESERVE THEN A WARNING SIGN REGARDING UNDERGROUND POWER CABLES IS TO BE ATTACHED TO A POLE SUCH THAT THE SIGN IS VISIBLE FROM THE DIRECTION OF THE UNDERGROUND CABLE APPROACHING THE POLE BOTTOM EDGE TO BE 1500mm ABOVE GROUND. POLE TO HAVE ONE SIGN ONLY.

IMPORTANT USERS OF THIS PLAN PLEASE NOTE BEWARE

LOCATIONS OF ASSETS SHOWN ON THIS DRAWING ARE INDICATIVE ONLY.

TO ASSIST WITH THE LOCATION OF UNDERGROUND ASSET, PRIOR TO ANY DIGGING MAKE A DIAL BEFORE YOU DIG INQUIRY VIA THE WEB (www.dialbeforeyoudig.com.au) OR BY TELEPHONING 1100.

PLEASE BE AWARE THAT YOU MAY BE RESPONSIBLE FOR THE ASSETS OWNERS REQUIREMENTS FOR DIGGING NEAR THEIR ASSETS.



IMPORTANT USERS OF THIS PLAN PLEASE NOTE

ALL REASONABLE CARE HAS BEEN TAKEN TO ENSURE THAT THE UNDERGROUND CABLES LOCATION INFORMATION IS CORRECTLY SHOWN ON THIS PLAN.

HOWEVER, THE INFORMATION CANNOT BE GUARANTEED FOR CORRECTNESS OR COMPLETENESS.

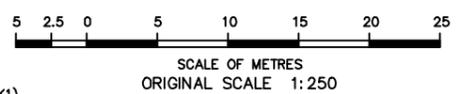
WHERE WORK IN CLOSE PROXIMITY TO THE CABLES IS PROPOSED THE POSITION OF THE CABLES MUST FIRST BE CONFIRMED BY CAREFUL HAND EXCAVATION.

(DATE) / / 19

DESCRIPTION	LABEL	TYPE
MARLBOROUGH WOODSTOCK S/STN POLE 2305234	CUSTOMER MSB, 159-163 CARLISLE STREET	6a
MARLBOROUGH WOODSTOCK S/STN POLE 2305234	CUSTOMER MSB, 165-169 CARLISLE STREET	6a
CUSTOMER MSB, 159-163 CARLISLE STREET	MARLBOROUGH WOODSTOCK S/STN POLE 2305234	6a
CUSTOMER MSB, 165-169 CARLISLE STREET	MARLBOROUGH WOODSTOCK S/STN POLE 2305234	6a
LV CHP LIS 2335392 MARLBOROUGH STREET	MARLBOROUGH CHAPEL N126 I/D S/STN	4a
LV CHP LIS 2335391 CHAPEL STREET	MARLBOROUGH CHAPEL N126 I/D S/STN	4a
LV CHP LIS 2335391 CHAPEL STREET	MARLBOROUGH CHAPEL N126 I/D S/STN	4a

DESCRIPTION	LABEL	TYPE
S/STN POLE MARLBOROUGH N22 WOODSTOCK CHP LIS 2335395 CARLISLE STREET	4a	
POLE LIS 9907183 MARLBOROUGH STREET	4a	
LV CHP LIS 2335395 CARLISLE STREET	4a	
POLE LIS 9907183 MARLBOROUGH STREET	4a	

CABLE SIZE 240mm 4/C XLPE LV U/G



THIS DRAWING SUPERSEDES PARTS OF SEPS/821819 & VA5/2167 (SK1)

REFERENCE	REVISION	DESCRIPTION	DATE	BY	CHECKED	DATE	BY
FB 222:4FB 159:21	17.5.11	(N) LV CABLE DETAILS ADDED TO MARLBOROUGH CHAPEL N126	17.5.11				
FB 223:9B 116:29,30B 116:39FB 150C:27	18.3.11	3x100 CONDUITS DETAILS ADDED MARLBOROUGH CHAPEL N126	18.3.11				
	20.4.08	(N) MARLBOROUGH CHAPEL N126 INDOOR SUBSTATION	20.4.08				
	30.11.07	CABLE DETAIL ADDED FOR REV "A"	30.11.07				
	1/12/07	SUPPLY TO 159-165 CARLISLE STREET, MARLBOROUGH STREET	1/12/07				
	19.7.11	MARLBOROUGH ST EXTENDED TO PART OF EX SEPS/821819	19.7.11				
	13.06.11	CABLE DETAILS ADDED FOR REVISION "H"	13.06.11				
	22.1.11	(N) 240mm 4/C LV U/G CABLE IN MARLBOROUGH STREET & WOODSTOCK STREET AND LV C/H ON POLE LIS 9907183 MARLBOROUGH STREET; ABA-DSA-000334 / UED-COM-005940	22.1.11				
	5.07.11	CABLE DETAILS ADDED FOR NEW WORKS REVISION "F"	5.07.11				
	19.7.11	NEW LV U/G SERVICE TO 195-197 CARLISLE STREET; AAM-UED-007970	19.7.11				

DRG No. SEP5/821819/2 J

U.G. CABLES PLAN WOODSTOCK ST & MARLBOROUGH ST ST KILDA

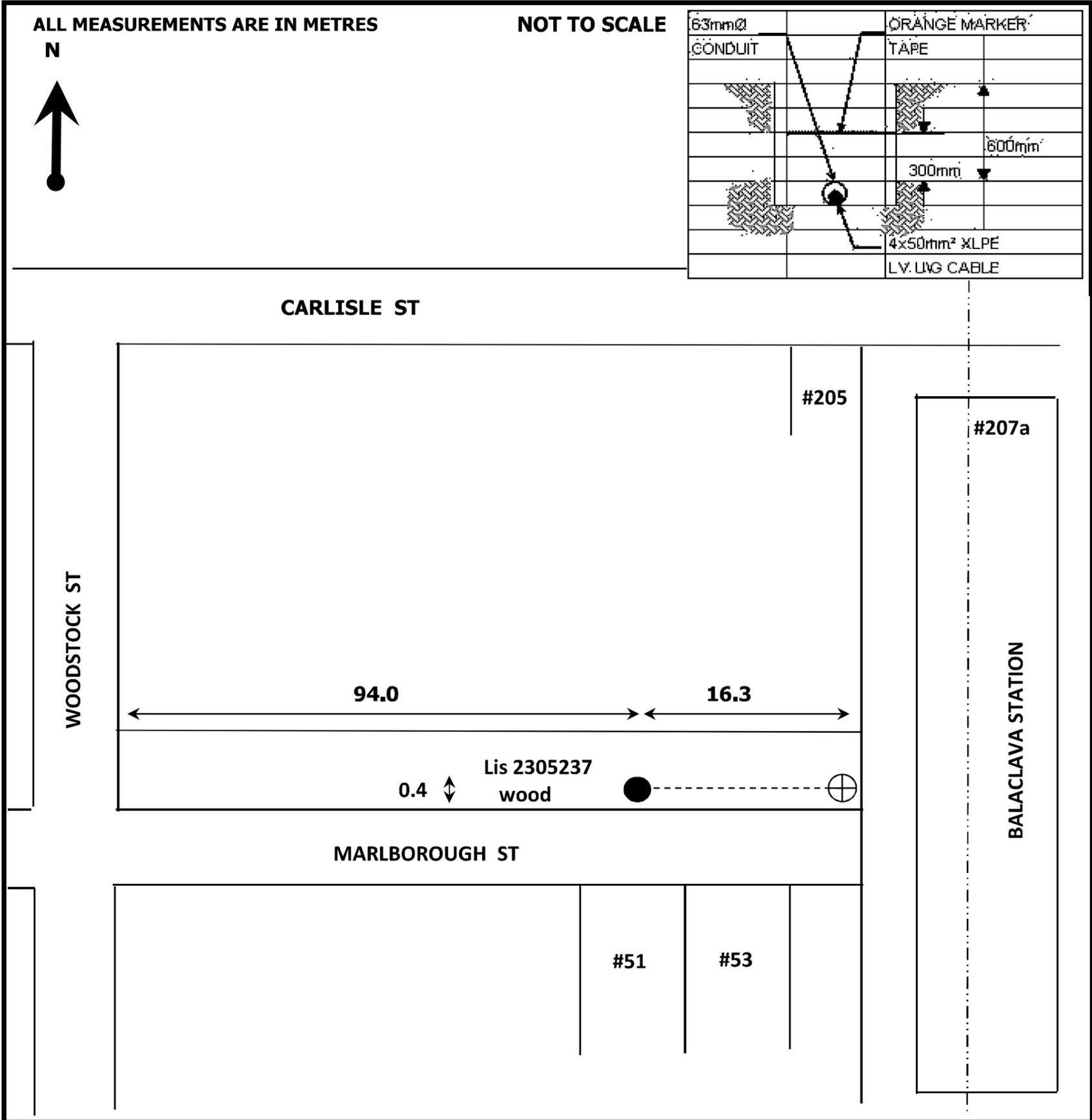
CONTACT OFFICER PH: WBS ELEMENT NETWORK No. MELWAY REF. 58-D11 AMG REF. YARRA 08.06 OPS. DIAGN. FEEDER W09 SURVEY REF. /A

ZNx Network Services

6/12/07 E. Gastricum

Route plan underground service cable

Address 207A CARLISLE ST - BALACLAVA STATION
 BALACLAVA **Service Order No** 100100551987
Cable size 4 x 50 mm XLPE **Reference** WEBI737
50MM



Contact Officer Robert Smithers **Melway's Reference** 2p h9
Company Zinfra Group Post Installation The Number of Electrical Undergrounds on Pole: **1**
Date Installed 9-Sep-14 **UE Drawing No** UE5/08/42045

1037039 - 97585773 - 2020-05-12 THIS INFORMATION IS VALID FOR 28 DAYS FROM DATE OF ISSUE



3794 E

-6222 N

LOW PRESSURE	UP TO 7 kPa	
MEDIUM PRESSURE	7 kPa - 200 kPa	
HIGH PRESSURE	100 kPa - 515 kPa	
TRANSMISSION PRESSURE	IN EXCESS OF 550 kPa	
ISOLATED MAINS		
PROPOSED MAINS		

SCALE: 1:2500

0m 40m 80m 120m 160m

-DIMENSIONS ARE IN METRES
-PIPE SIZES ARE IN MILLIMETRES

DIAL BEFORE YOU DIG 1100

DBYD Sequence Number: 97585775
MELWAYS REF : 2P H10
DATE OF ISSUE : 12/05/2020

FURTHER ASSISTANCE MAY BE OBTAINED
IF NECESSARY: SEE COVER LETTER FOR CONTACT DETAILS

THIS PLAN MUST BE PRINTED IN COLOUR IN ORDER
TO PROTECT THE INTEGRITY OF THE INFORMATION

THIS INFORMATION IS VALID FOR
28 DAYS FROM THE DATE OF ISSUE



MULTINET GAS
ABN 53 634 214 009

MULTINET GAS HAS TAKEN CARE TO ENSURE
THAT THE LOCATIONS OF GAS MAINS SHOWN
ON THIS PLAN ARE ACCURATE.

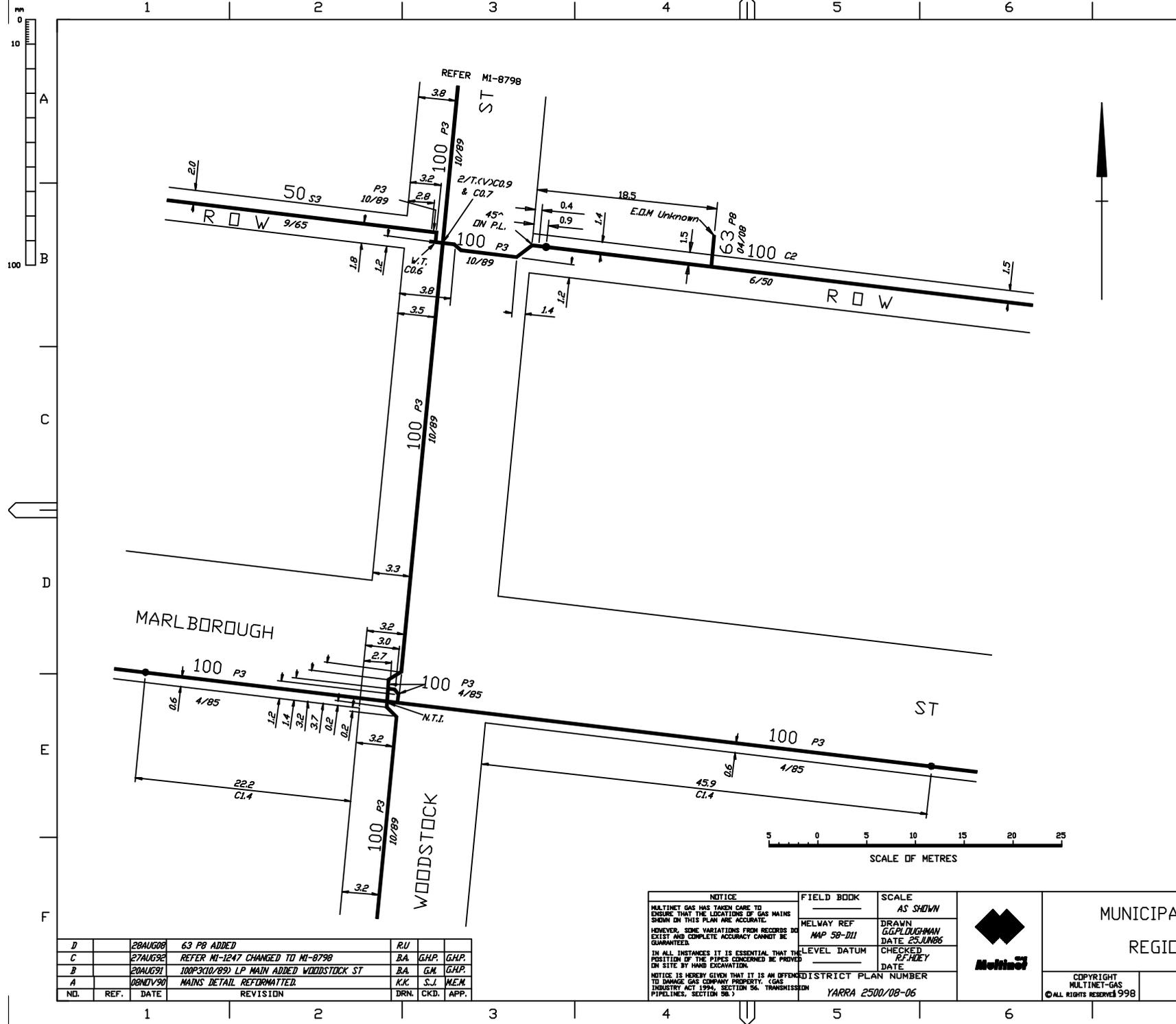
HOWEVER, SOME VARIATIONS FROM RECORDS
DO EXIST AND COMPLETE ACCURACY CANNOT
BE GUARANTEED.

IN ALL INSTANCES IT IS ESSENTIAL THAT THE
POSITION OF PIPES CONCERNED BE PROVIDED
BY HAND EXCAVATION.

NETWORK PRESSURES DO NOT INDICATE AVAILABLE
METERING PRESSURES, PLEASE CONTACT YOUR
RETAILER TO CONFIRM AVAILABLE METERING
PRESSURES

NOTICE IS HEREBY GIVEN THAT IT IS AN OFFENCE
TO DAMAGE GAS COMPANY PROPERTY. (GAS
INDUSTRY ACT 1994, SECTION 56)





TYPE OF PIPE	
C2	CAST IRON
C3	CAST IRON MECHANICAL JOINT
C4	CAST IRON SOUTHERN
C5	CAST IRON A. I. S.
C6	CAST IRON METTERS C/DW
C7	CAST IRON STAVELEY
C8	CAST IRON STANTON
C9	CAST IRON STANTON-STAVELEY
C10	CAST IRON LEAD JOINT
D2	DUCTILE IRON-UNCOATED
D3	DUCTILE IRON-PLASTIC COATED
F2	FIBRO CEMENT
P2	PLASTIC POLYETHYLENE
P3	PLASTIC PLY VINYL CHLORIDE
P4	PLASTIC PIPE OTHER - L.P. ONLY
P5	PLASTIC IMPACT MODIFIED
P6	PLASTIC POLYETHYLENE (P.E.) MEDIUM DENSITY
S2	STEEL
S3	STEEL COATED & SCREWED
S4	STEEL COATED & WELDED
S5	STEEL GALVANIZED
S6	STEEL COATED GIBALTY JOINT
S7	STEEL PLASTIC COATED & WELDED
S8	STEEL PLASTIC COATED & SCREWED
S9	STEEL INTERPOL
S10	STEEL WAPARD
M2	WROUGHT IRON GALVANIZED

FITTINGS AND NOTATIONS	
90°	BEND
B.P.	BLADDER PLATE
C	CAP
C.T.	CAP TAPPED
(C.G.B.)	COMBINED BEND
F. & F.	FLANGE & FAUCET PIECE
F. & S.	FLANGE & SPIGOT PIECE
L.T.	LONGTREAD
M.E.	MUELLER DEAD END EXTENSION
L.S.	MUELLER LINE STOPPER
T.S.P.	MUELLER SERVICE TEE
T.V.	MUELLER TEE VALVE
P.L.	PROPERTY LINE
R.	REDUCER
Sd.	SADDLE
St.	STOOL
T.	TEE
T.B.	TEE BOSSED
T.Sp.	TEE SPLIT
Th.	THIMBLE
Th.B.	THIMBLE BOSSED
Th.Sp.	THIMBLE SPLIT
Th.Sp.B.	THIMBLE SPLIT BOSSED
(V)	VERTICAL
W.S.	WILLIAMSON SHORT STOPP
W.T.	WILLIAMSON TEE
V12-22	SECTIONAL REGULATION VALVE NO. 12 SECTION 22
DR	REGULATOR KIOSK / PIT
SCADA	SYSTEM CONTROL & DATA ACQUISITION NUMBER
DS-107	REGULATOR NUMBER
SY	SYMBION
PP	PURGE, PRESSURE POINT
VI	VALVE
VI	VALVE INSULATED
FL	FLANGE BLANK
IF	INSULATED FITTING
AB	ANODE BED
CP	CATHODIC PROTECTION UNIT
TP	TEST POINT
EP	ENCASING PIPE
CS	CONCRETE SLABBING
CR	CROSS
PT	PROPOSED TITLE BOUNDARY
EB	EASEMENT BOUNDARY
CK	BACK OF KERB (B.D.K.)
FL	FENCE LINE
C.L. 8774	DATE MAIN CLEANED FEB. 1974
2/74	DATE MAIN LAID FEB. 1974
E.D.M.	END OF MAIN
N.T.I.	NOT TIED IN
OFF	OFFSET
COV	COVER
RC	ROAD CORPORATION
CP 12345 LP 12345	SURVEY / TITLE DRAWINGS
PS 123456 RP 12345	
RCA 12345 SP 12345	
C.T.	COMMON TRENCHING
D.B.	DIRECTIONAL BORING

ALPHA NUMERIC REFERENCES RELATE TO DETAILED DRAWINGS WHICH ARE AVAILABLE FROM THE PLAN ROOM.
 EG. M1 1234 MAINS DETAIL DRAWING
 12345P PROPOSED SUBDIVISION
 E1 EASEMENT DRAWING

DIMENSIONS ARE IN METRES
 PIPE SIZES ARE IN MILLIMETRES

PRESSURE RANGES	
LOW PRESSURE	UP TO 7kPa
MEDIUM PRESSURE	7kPa - 200kPa
HIGH PRESSURE	100kPa - 515kPa
TRANSMISSION PRESSURE	IN EXCESS OF 515kPa

NOTICE
 MULTINET GAS HAS TAKEN CARE TO ENSURE THAT THE LOCATIONS OF GAS MAINS SHOWN ON THIS PLAN ARE ACCURATE. HOWEVER, SOME VARIATIONS FROM RECORDS DO EXIST AND COMPLETE ACCURACY CANNOT BE GUARANTEED.
 IN ALL INSTANCES IT IS ESSENTIAL THAT THE POSITION OF THE PIPES CONCERNED BE PROVED ON SITE BY HAND EXCAVATION.
 NOTICE IS HEREBY GIVEN THAT IT IS AN OFFENCE TO DAMAGE GAS COMPANY PROPERTY, GAS INDUSTRY ACT 1994, SECTION 56, TRANSMISSION PIPELINES, SECTION 56.)

FIELD BOOK
 SCALE AS SHOWN
 MELWAY REF MAP 58-III
 DRAWN G.G. FLOUGHMAN
 DATE 25 JUN 86
 LEVEL DATUM CHECKED R. HADLEY
 DATE

SCALE
 0 5 10 15 20 25
 SCALE OF METRES

DISTRICT PLAN NUMBER
 YARRA 2500/08-06



MUNICIPALITY OF PORT PHILLIP
 REGION : SOUTH EASTERN

ID	REF.	DATE	REVISION	DRN.	CKD.	APP.
D	28AUG08	63 PB ADDED		R.U.		
C	27AUG02	REFER MI-1247 CHANGED TO MI-8798		B.A.	G.H.P.	G.H.P.
B	20AUG91	100P(10/89) LP MAIN ADDED WOODSTOCK ST		B.A.	G.M.	G.H.P.
A	08NOV90	MAINS DETAIL REFORMATTED		K.K.	S.J.	W.E.M.

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M1-6506 D



Caller Details

Contact: Mr Roddy McQuade
Company: Peter J Ramsay & Associates
Address: 222 Kings Way
South Melbourne VIC 3205

Caller Id: 1922139
Phone: 0444549471
Mobile: Not Supplied
Fax: Not Supplied
Email: roddy.mcquade@pjra.com.au

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: 991.4
Working on Behalf of: Port Phillip City Council
Enquiry Date: 12/05/2020
Start Date: 20/05/2020
End Date: 21/05/2020
Address: 46 Marlborough Street
Balaclava VIC 3183
Job Purpose: Excavation
Location of Workplace: Private Property
Onsite Activity: Vertical Boring
Location in Road: Not Supplied

- 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:

Your Responsibilities and Duty of Care

- The lodgement of an enquiry does not authorise the project to commence. You must obtain all necessary information from any and all likely impacted asset owners prior to excavation.
- 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 Privacy Policy and 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 assets 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. 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.

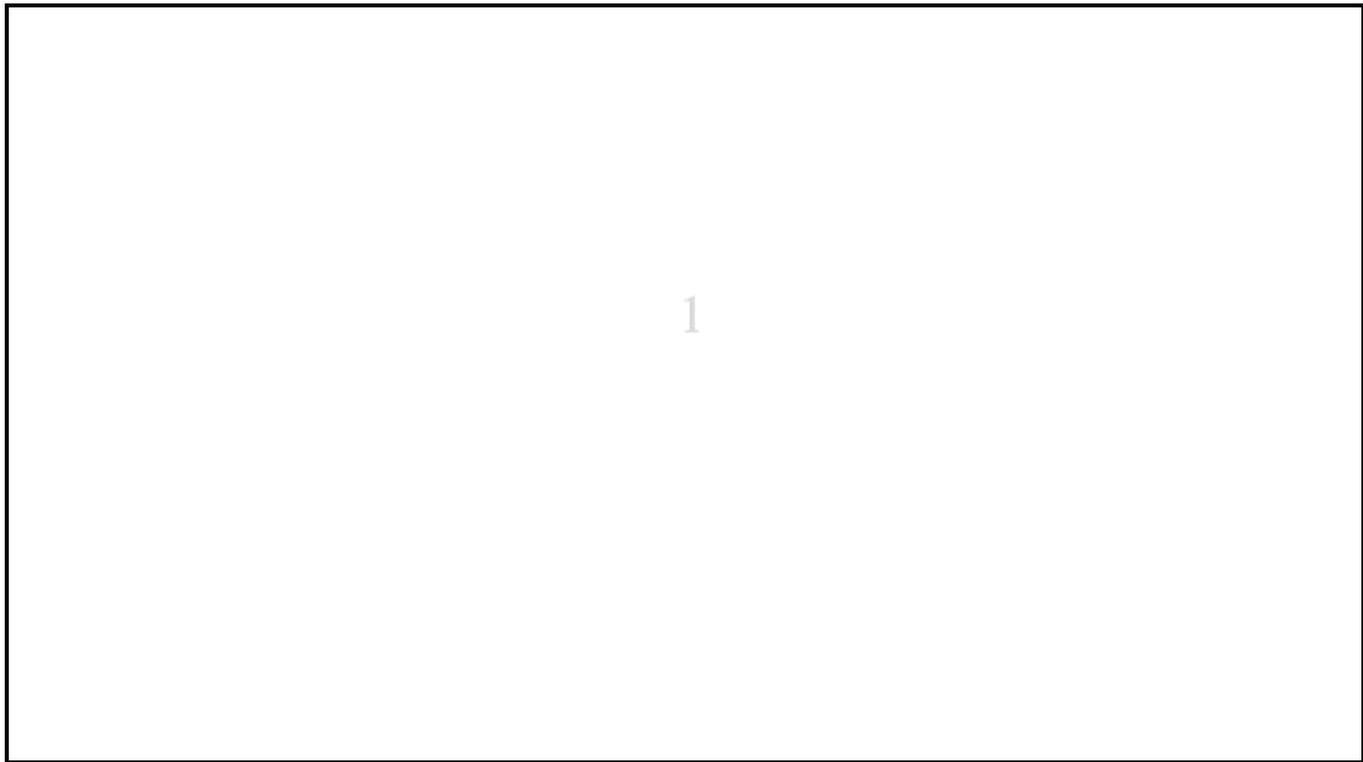
Seq. No.	Authority Name	Phone	Status
97585776	APA Group Transmission (VIC)	1800103452	NOTIFIED
97585771	City of Port Phillip	0392096777	NOTIFIED
97585775	Multinet Gas	0395358326	NOTIFIED
97585778	NBN Co, VicTas	1800626329	NOTIFIED
97585777	South East Water Corporation	0395523459	NOTIFIED
97585774	Telstra VICTAS	1800653935	NOTIFIED
97585773	United Energy	1300131689	NOTIFIED
97585772	Victrack Access	0396198078	NOTIFIED

END OF UTILITIES LIST



Indicative Plans

Issue Date:	12/05/2020	 The logo features a red circle with a diagonal slash over a black silhouette of a hand holding a shovel. To the right of the circle, the text 'DIAL BEFORE YOU DIG' is written in bold, black, uppercase letters. Below this text, the website address 'www.1100.com.au' is written in a smaller font.
Location:	46 Marlborough Street , Balaclava , VIC , 3183	





LEGEND

	<p>Parcel and the location</p>
	<p>Pit with size "5"</p>
	<p>Power Pit with size "2E". Valid PIT Size: e.g. 2E, 5E, 6E, 8E, 9E, E, null.</p>
	<p>Manhole</p>
	<p>Pillar</p>
<p>2 PO - T- 25.0m P40 - 20.0m</p>	<p>Cable count of trench is 2. One "Other size" PVC conduit (PO) owned by Telstra (-T-), between pits of sizes, "5" and "9" are 25.0m apart. One 40mm PVC conduit (P40) owned by NBN, between pits of sizes, "5" and "9" are 20.0m apart.</p>
<p>2 10.0m</p>	<p>2 Direct buried cables between pits of sizes, "5" and "9" are 10.0m apart.</p>
	<p>Trench containing any INSERVICE/CONSTRUCTED (Copper/RF/Fibre) cables.</p>
	<p>Trench containing only DESIGNED/PLANNED (Copper/RF/Fibre/Power) cables.</p>
	<p>Trench containing any INSERVICE/CONSTRUCTED (Power) cables.</p>
	<p>Road and the street name "Broadway ST"</p>
<p>Scale</p>	<p>0 20 40 60 Meters 1:2000 1 cm equals 20 m</p>



Emergency Contacts

You must immediately report any damage to **nbn**TM network that you are/become aware of. Notification may be by telephone - 1800 626 329.



Dial Before You Dig Response

DBYD Registration ID:

1922139
Mr Roddy McQuade
Peter J Ramsay & Associates
222 Kings Way
South Melbourne
VIC 3205
e:rodny.mcquade@pjra.com.au
p:0444549471
m:Not Supplied

Request

Date Created: 12/05/2020
Expiry Date: 28 days from date above
Sequence Number: 97585771
User Reference: 991.4
Location of works: 46 Marlborough Street
Balaclava
Activity: Vertical Boring
Activity Start date: 20/05/2020
Activity End date: 21/05/2020

City of Port Phillip Assets Affected

There are assets owned or managed by the City of Port Phillip in the location of your works as indicated on the attached plans.

Duty of Care

When working in the vicinity of any Council assets you have a legal "Duty of Care" that must be observed. It is the responsibility of the Infrastructure Manager (person(s) for whom the work is being done) and the Works Manager (person(s) doing the work) to:

1. Request plans from the City of Port Phillip identifying Council's assets in the location of the works.
2. Obtain all Permits and approvals from the City of Port Phillip, service authorities and providers of public transport.
3. Ensure reasonable care is taken when physically locating any assets and utility services in the vicinity of the work area by hand digging, noting and complying with any precautions and approach distances.
4. Ensure the works have minimal impact on the community and the primary use of the assets.
5. Submit new request to Dial Before You Dig if information contained within this document or the plans is to be used beyond midnight on the expiry date shown above.
6. Report any issues or damage to Council's assets to the 24-hour ASSIST line [03 9209 6777](tel:0392096777).

Disclaimer

Every care has been taken to ensure the accuracy of the information provided. The City of Port Phillip makes no representations or warranties about the accuracy, reliability, completeness or suitability for any particular purpose and disclaims all responsibility and liability for any expenses, losses, damages and costs that may be incurred as a result of the use of this information. The exact position of all assets must be confirmed on-site using suitably qualified and licensed contractors.

Private Land, Parks and Reserves

Work on private land and/or public land not managed by Council may require the written consent from the owner or manager of the land. To excavate in any Park or Reserve, contact:

e: assist@portphillip.vic.gov.au

p: [03 9209 6777](tel:0392096777)

Parking Sensors

Parking sensors are installed in parking bays across the municipality. Any works planned to occur within 5 metres of a sensor means that it must be removed prior to the works. To arrange, contact Council's Parking Enforcement on:

e: Helpdesk-ParkingEnf@portphillip.vic.gov.au

p: [03 9209 6404](tel:0392096404)

Road Opening Permits

Required for any excavation within a road reserve. This includes the road, footpath or nature strip, unless exempted by the Road Management (Works and Infrastructure) Regulations. Visit www.portphillip.vic.gov.au/road_opening_permit.htm for more information.

Stormwater Drains

For further information on stormwater drains email: dbyd@portphillip.vic.gov.au and quote Sequence Number: 97585771

- Melbourne Water and VicRoads stormwater drains may be displayed but separate enquiries should be obtained from these agencies.
- Private stormwater drains or connections are not included.
- The City of Port Phillip Council does not provide a field location service.

Asset Protection Permits

Helps to ensure public assets and infrastructure are not damaged as a result of demolition or building works occurring. This also protects the applicant from paying for damage that may have existed prior to starting works. Visit www.portphillip.vic.gov.au/asset_protection_permit.htm for more information.

For all permitting enquiries, including street occupation, road closure, or for temporary and permanent vehicle crossings, contact:

e: devpermits@portphillip.vic.gov.au

p: [03 9209 6216](tel:0392096216)

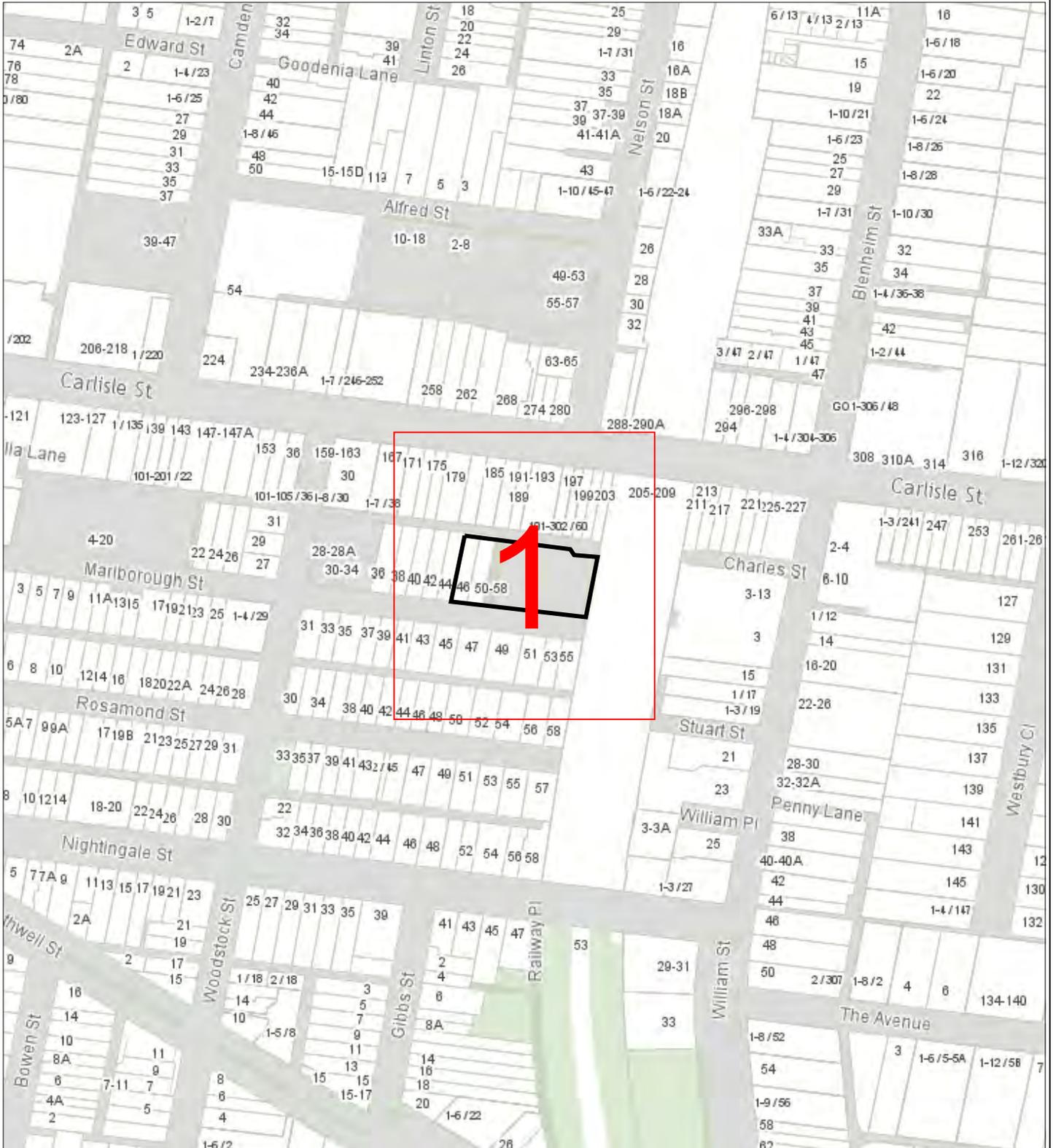
Other Permits

Further Development Permits may be required for activities on Council land such as Street Occupation, Road Closure, Out of Hours works, or Temporary/Permanent Vehicle Crossing. For more information visit www.portphillip.vic.gov.au/road_permits.htm.

Underground Stormwater Overview Map



Location of Works: 46 Marlborough Street Balaclava



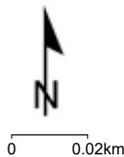
Legend:

 DBYD Work Area



CITY OF PORT PHILLIP

The City of Port Phillip does not warrant the information contained on this plan is correct. A field survey must be conducted before the information contained in this plan is relied upon. Please refer to the "Duty of Care" included in this plan for further detail.



Scale 1:2000

Created Date: 12/05/2020
Sequence Number: 97585771
User Reference: 991.4
DBYD Activity: Vertical Boring

Underground Stormwater Strip Map 1



Location of Works: 46 Marlborough Street Balaclava



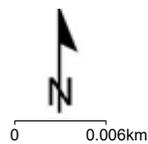
Legend:

- | | | | | | | | | | |
|--|----------------|--|---------------------|--|--------------------------------|--|-------------------------|--|----------------------|
| | DBYD Work Area | | CoPP Drainage Pipes | | Melbourne Water Drainage Pipes | | VicRoads Drainage Pipes | | Other Drainage Pipes |
| | Parking Sensor | | CoPP Drainage Pits | | Melbourne Water Drainage Pits | | VicRoads Drainage Pits | | Other Drainage Pits |



CITY OF PORT PHILLIP

The City of Port Phillip does not warrant the information contained on this plan is correct. A field survey must be conducted before the information contained in this plan is relied upon. Please refer to the "Duty of Care" included in this plan for further detail.



Scale 1:500

Created Date: 12/05/2020
Sequence Number: 97585771
User Reference: 991.4
DBYD Activity: Vertical Boring

To:

Peter J Ramsay & Associates - Mr Roddy McQuade
222 Kings Way
South Melbourne VIC 3205
roddy.mcquade@pjra.com.au

VicTrack has been advised that you have placed an enquiry through the Dial Before You Dig service, with the following details. Please be advised on the response.

Sequence Number 97585772

Enquiry Date 12/05/2020 16:26

Response **AFFECTED WITHIN RAIL RESERVE**

Address 46 Marlborough Street
Balaclava

Location in Road Not Supplied

Activity Vertical Boring

To obtain information and plans within the Rail Reserve forward your enquiry to External.Property@VICTRACK.com.au. Include a brief description of your intended works.

Please also see VicTrack's Network Protection Plan attachment. This protection plan must be adhered to. Information on VicTrack's Permit To Work requirements and application form are to be accessed from <https://www.victrack.com.au/i-want-to/permit-to-work>

NB:The Cable details contained within this document and related attachments are valid for 14 days only.

If you have any queries, please contact:

Greg Peel on 0417 584 179, or
David Boot on 0418 749 336, or
Habib Dagher on 0488 226 700.

Yours sincerely,

Joe De Luca
External Plant Manager

Vic Track's disclaimer

Please note that these **Communication cable plans** are only a guide and the drawings should not be scaled to locate the cable. No warranty is given that the information is accurate or complete.

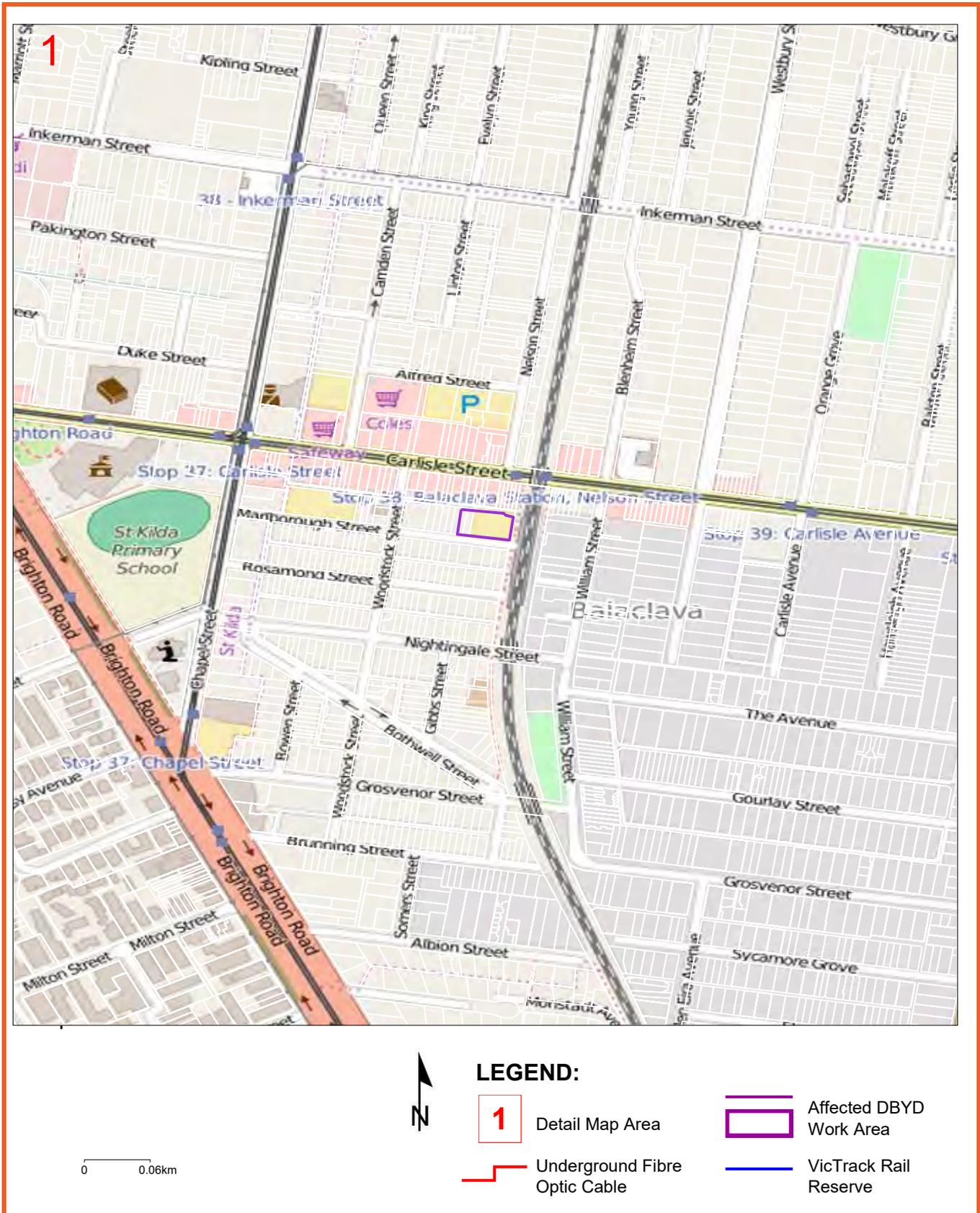
Note - VicTrack does not have responsibility for the signalling cables that may be in the area, information for signalling cables can be obtained from ARTC (call Mr Mick Stoneham 0417 219 191) for standard gauge line / V/line (call Mr David Dunstan 0403 195640) for country and V/Line corridors) / Metro (call Signal Fault centre on 9619 2999) of Metro for signalling cables in the suburban area).

VicTrack

Level 8, 1010 La Trobe St Docklands VIC 3008
GPO Box 1681 Melbourne VIC 3001
T 1300 VICTRACK (1300 842 872)
victrack.com.au

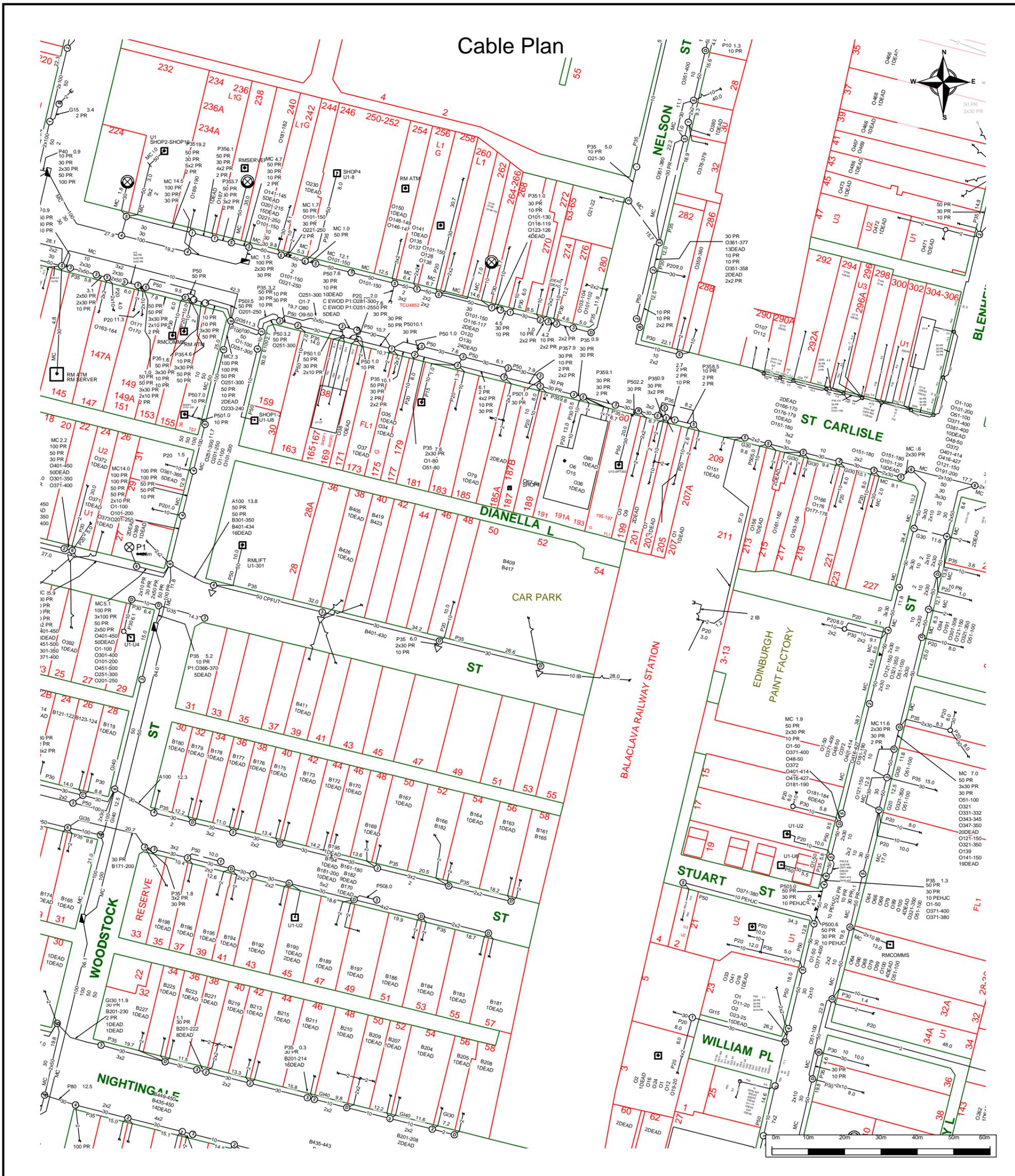


Overview Map



DISCLAIMER: This drawing has been prepared by, or compiled from information provided by persons other than VicTrack. To the maximum extent permissible by law, VicTrack takes no responsibility for, and makes no representations in relation to, completeness, accuracy or quality of any information contained in this drawing. Each user of this drawing releases VicTrack from all and any loss, damage, cost, expense or liability in relation to the use of, or any reliance on, this drawing or the information contained in it. All written dimensions take precedence over scaled dimensions. This drawing is provided only for the information of the person or organisation to whom VicTrack provided it. It may not be provided to, or used by, any other person without VicTrack's prior written consent. Exact positions of any assets shown on this map report should be confirmed on site. Any work being carried out within the Rail Reserve, contact External.Property@VICTRACK.com.au

Cable Plan



For all Telstra DBYD plan enquiries -
 email - Telstra.Plans@team.telstra.com
 For urgent onsite contact only - ph 1800 653 935 (bus hrs)

Sequence Number: 97585774

CAUTION: Fibre optic and/ or major network present in plot area. Please read the Duty of Care and contact Telstra Plan Services should you require any assistance.

TELSTRA CORPORATION LIMITED A.C.N. 051 775 556

Generated On 12/05/2020 16:29:40

The above plan must be viewed in conjunction with the Mains Cable Plan on the following page

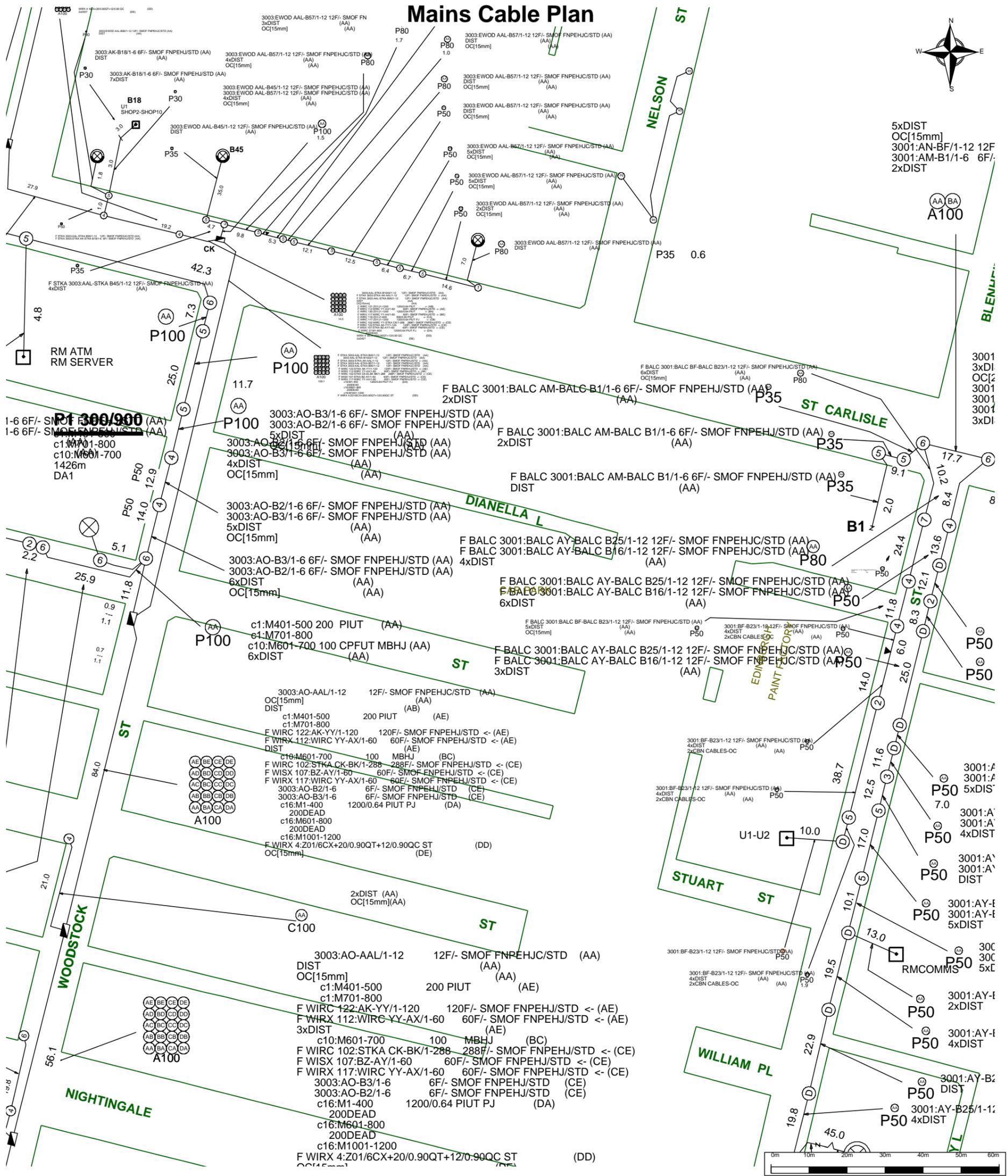
WARNING - Due to the nature of Telstra underground plant and the age of some cables and records, it is impossible to ascertain the precise location of all Telstra plant from Telstra's plans. The accuracy and/or completeness of the information supplied can not be guaranteed as property boundaries, depths and other natural landscape features may change over time, and accordingly the plans are indicative only. Telstra does not warrant or hold out that its plans are accurate and accepts no responsibility for any inaccuracy shown on the plans.

It is your responsibility to locate Telstra's underground plant by careful hand pot-holing prior to any excavation in the vicinity and to exercise due care during that excavation.

Please read and understand the information supplied in the duty of care statement attached with the Telstra plans. TELSTRA WILL SEEK COMPENSATION FOR LOSS CAUSED BY DAMAGE TO ITS PLANT.

Telstra plans and information supplied are valid for 60 days from the date of issue. If this timeframe has elapsed, please reapply for plans.

Mains Cable Plan



For all Telstra DBYD plan enquiries -
 email - Telstra.Plans@team.telstra.com
 For urgent onsite contact only - ph 1800 653 935 (bus hrs)

Sequence Number: 97585774

CAUTION: Fibre optic and/ or major network present in plot area. Please read the Duty of Care and contact Telstra Plan Services should you require any assistance.

TELSTRA CORPORATION LIMITED A.C.N. 051 775 556

Generated On 12/05/2020 16:29:44

WARNING - Due to the nature of Telstra underground plant and the age of some cables and records, it is impossible to ascertain the precise location of all Telstra plant from Telstra's plans. The accuracy and/or completeness of the information supplied can not be guaranteed as property boundaries, depths and other natural landscape features may change over time, and accordingly the plans are indicative only. Telstra does not warrant or hold out that its plans are accurate and accepts no responsibility for any inaccuracy shown on the plans.

It is your responsibility to locate Telstra's underground plant by careful hand pot-holing prior to any excavation in the vicinity and to exercise due care during that excavation.

Please read and understand the information supplied in the duty of care statement attached with the Telstra plans. TELSTRA WILL SEEK COMPENSATION FOR LOSS CAUSED BY DAMAGE TO ITS PLANT.

Telstra plans and information supplied are valid for 60 days from the date of issue. If this timeframe has elapsed, please reapply for plans.

Please Note: For some DBYD enquiries, you might receive **2 responses** from APA Group (APA). Please read both responses carefully as they will relate to different assets. It is your responsibility to action all requirements set out in APA's responses.

For your immediate information **THERE IS NOT AN APA HIGH PRESSURE GAS TRANSMISSION PIPELINE AND/OR ASSOCIATED INFRASTRUCTURE** at this location.

If after reviewing the map and the scope of your proposed work, you believe your work may affect the pipeline, please contact DBYD to resubmit with the correct area and contact APA on **1800 103 452** to discuss the exact nature and extent of your works.

Issued Date: 12/05/2020

From: Infrastructure Protection Officer
APA Group

Phone: 1800 103 452

Email: APAProtection@apa.com.au

Company: Peter J Ramsay & Associates

Phone: 0444549471

Email: rodny.mcquade@pjra.com.au

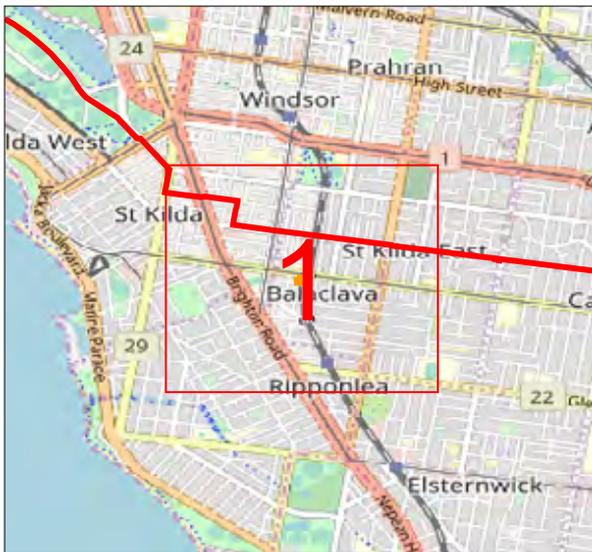
RE: DBYD Seq No: **97585776**

Validity: This response is valid for **30 days** from the **Issued Date**

Utility ID: 70131

Worksite Address: 46 Marlborough Street
Balaclava

Please Check: Have you received 2 responses from APA? Refer to statement at top of page.



Scale: 1 : 50000

Map: Melways

0 0.6km

:58D11

STOP Next step:

If you believe your works will affect an APA High Pressure Gas Transmission Pipeline; please contact an APA Infrastructure Protection Officer immediately on **1800 103 452** (business days - 8.00am to 5.00pm AEST) to discuss the exact nature and extent of your works.

DO NOT ATTEMPT TO PHYSICALLY LOCATE THE PIPELINE. Although the route of the pipeline is marked out by warning signs it shall not be inferred that the pipe is buried under and in a straight line between signs. No depths on the pipeline should be assumed. Only an **APA representative** can locate the pipeline and is required to be scheduled for locations. APA also operates natural gas transmission pipelines on behalf of Australian Gas Networks.

Damage to a high pressure gas transmission pipeline could result in:-

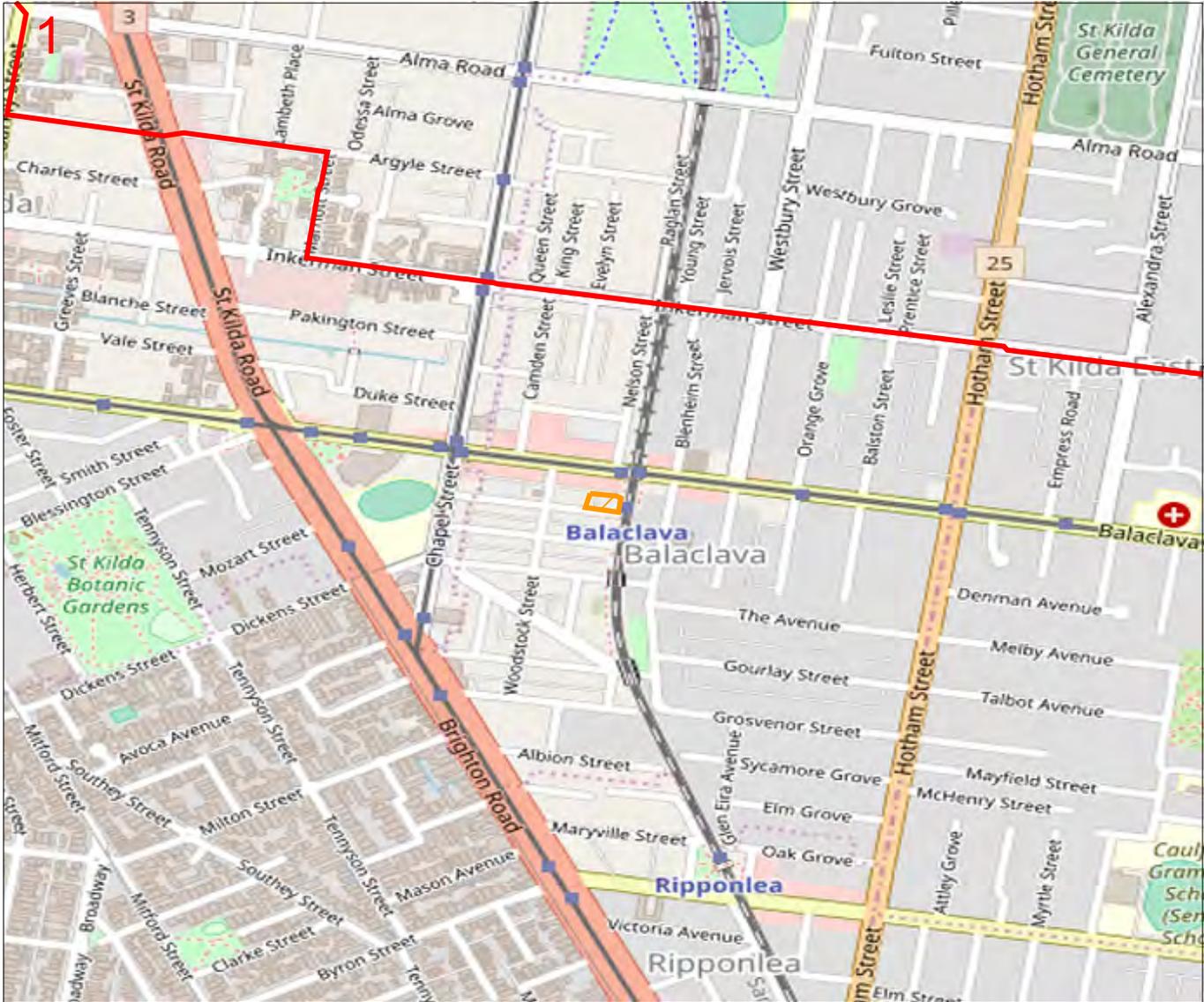
- ❖ possible explosion and fire;
- ❖ possible injury or loss of life;
- ❖ substantial repair and gas restoration liability damage costs;
- ❖ gas escaping at pressures of up to 15,000 kPa; and
- ❖ loss of gas to thousands of customers.

Thank you for your interest in maintaining a safe and secure gas pipeline network.

Please note that this is **not** an approval to carry out work within the APA pipeline easement.

APA Group Transmission does not guarantee the accuracy or completeness of the map and does not make any warranty about the data. APA Group Transmission is not under any liability to the user for any loss or damage (including consequential loss or damage) which the user may suffer resulting from the use of this map.

APA Group Transmission reserves all intellectual and other property in this notice and the information contained in it. Copying, distribution, alteration or on-sale is prohibited.



Legend

- DBYD Requests
- APA Pipelines
- APA Associated Infrastructure

Scale: 1: 10000

0 0.1km



APA DBYD Transmissions

Dial Before You Dig Enquiry

DATE: 12/05/2020

SEQUENCE NO: 97585776

DATA SOURCE:

Pipeline Data Copyright APA Group, Property Parcels Copyright respective State Governments, mapping data Copyright [OpenStreetMap](https://www.openstreetmap.org/) contributors, DBYD Dig Location provided by DBYD.



This map is confidential and the information and details contained in it are and remain the property of APA Group.

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APA Group Transmission does not guarantee the accuracy or completeness of the map and does not make any warranty about the data. APA Group Transmission is not under any liability to the user for any loss or damage (including consequential loss or damage) which the user may suffer resulting from the use of this map.

APA Group Transmission reserves all intellectual and other property in this notice and the information contained in it. Copying, distribution, alteration or on-sale is prohibited.



12 MAY 2020

Mr Roddy McQuade
E-mail: rodny.mcquade@pjra.com.au

Dear Sir/Madam,

SEW Reference Case Number 36344716
DBYD Sequence Number: 97585777
Location: 46 Marlborough Street Balaclava 3183
Directory: Melways 58D11
Service Requested: Asset Information Dial-Before-You-Dig
SEW Order Number: 35739482

WatersEdge
101 Wells Street
Frankston VIC 3199
PO Box 2268
Seaford VIC 3198 Australia
Telephone +61 39552 3000
southeastwater.com.au

Please find attached information regarding your application to Dial Before You Dig for Asset Information.

Care must be taken when digging in the vicinity between Water Main to meter as service pipes could exist and may not be shown on the plan.

Any damage done to Utility assets will result in those responsible being billed for the repair work

Any works within the vicinity of a South East Water asset must conform with the guidelines specified in the documents '[Protection of South East Water Supply Assets](#)' and/or '[Protection of South East Water Sewerage Assets](#)'. Formal consent from South East Water is required where works are planned within one metre of an asset. General conditions are outlined in the document [Guidelines for Proposed Works Over / Adjacent to Water Authority Assets up to and including 225 diameter](#).

Where works are planned within one metre of an asset, an application is required to be submitted through South East Water's online application portal, [PropertyConnect](#). Formal consent or advice will be provided in response after review of the application.

IMPORTANT:

South East Water shall not have any warranty and makes no representation or guarantee as to the accuracy or scale of these plans. South East Water does not accept any liability for any loss, damage or inquiry by any reason as a result of inaccuracy in these plans.

The location of assets must be proved in the field by the applicant prior to the commencement of work. These plans do not indicate private services.

Assets labelled AC may contain asbestos and therefore works on these assets must be undertaken in accordance with OH&S regulations.

Metallic water mains and associated fittings may pose an electrocution hazard if electrical earth wires have been connected to the property service or water main.

Please be aware that works such as ground anchors, pile driving and site retention have special conditions and works must not commence without formal consent from South East Water.

Access to any South East Water asset i.e maintenance structure, must only be undertaken by an accredited contractor with prior consent.

For mobile maps SEWmap use our free downloadable mobile map app that provides access to our property, water, Sewer and recycling assets, look for it on the South East Water website.

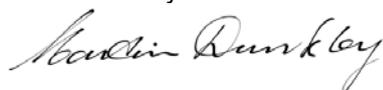
If you have any enquiries please contact Property Information on 9552 3459.

DISCLAIMER:

The plans accompanying this letter are issued solely for asset identification purposes and should not be used for any other purpose. South East Water provides the information it has on Sewer, Water and Recycled Water assets, but does not guarantee the accuracy of information and therefore the location of all assets must be proven on site prior to the commencement of any works.

South East Water will not accept claims associated with any incorrect or incomplete information being contained on the plan. Due to ongoing potential asset changes this plan should not be reused at a later date, a new plan should be obtained.

Yours sincerely



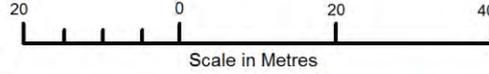
Martin Dunkley

MANAGER ASSET INFORMATION SYSTEMS



Property: 46 Marlborough Street, Balaclava VIC 3183

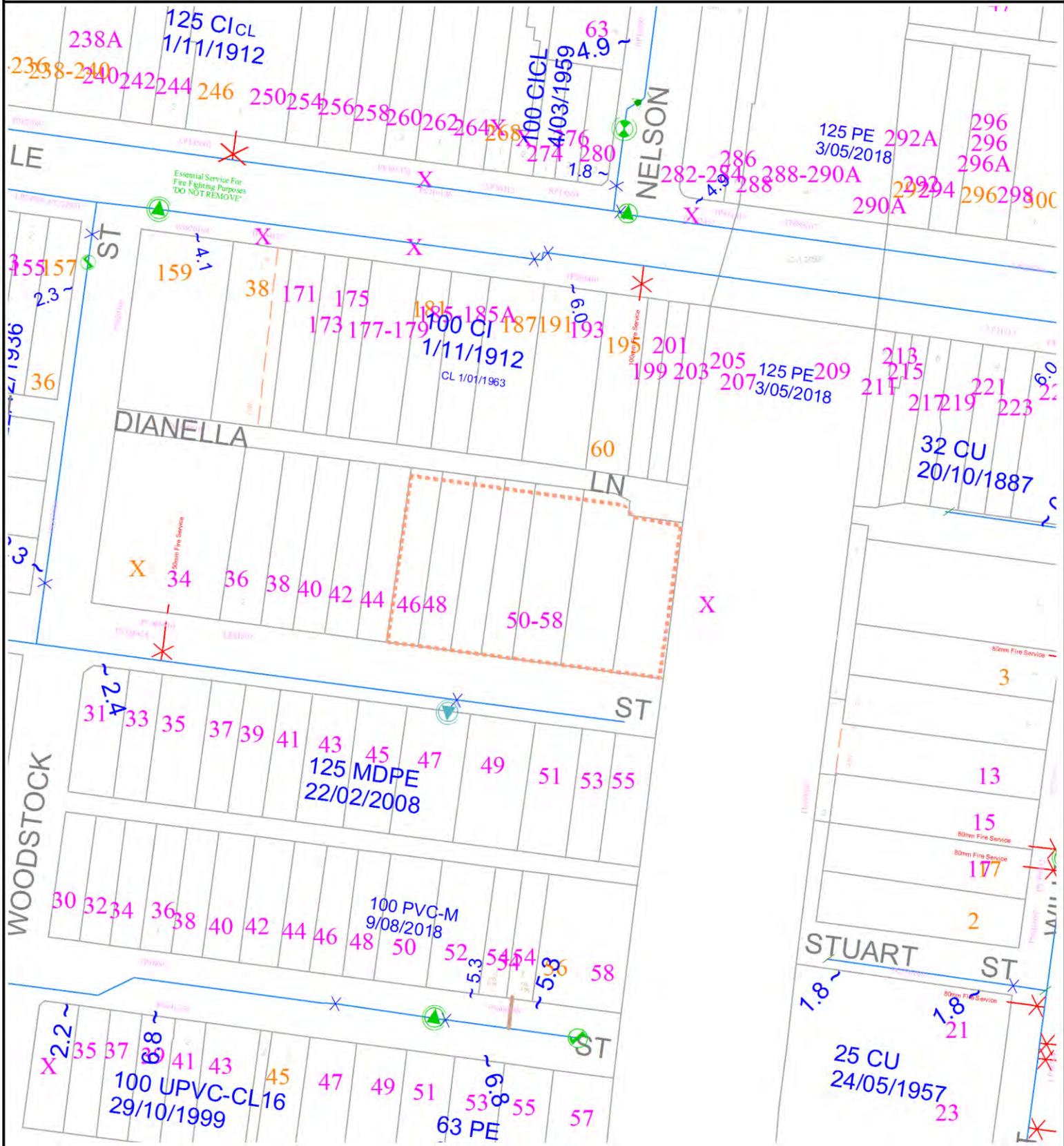
Case Number: 36344716



Date: 12 May 2020

Sequence Number: 97585777

58D11



WARNING : This plan is issued solely for the purpose of assisting you in identifying South East Water's specified assets through further investigation only. It is not to be used for any other purpose, including to identify any other assets, property boundaries or dimensions. Accordingly, the location of all assets should be proven by hand on site prior to the commencement of any work. (Refer to attached letter for further details). Assets labelled AC may contain asbestos and therefore works on these assets must be undertaken in accordance with OH&S Regulations

Title/Road Boundary	Chlorination Assembly	Hydrant	Electrolysis
Proposed Title/Road	Water Main Valve	Fireplug/Washout	
Easement	Water Main & Services	Offset from Boundary	



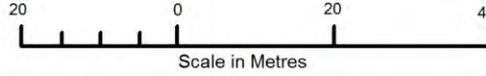
WARNING: This plan is issued solely for the purpose of assisting you in identifying South East Water's specified assets through further investigation only. It is not to be used for any other purpose, including to identify any other assets, property boundaries or dimensions. Accordingly, the location of all assets should be proven by hand on site prior to the commencement of any work. (Refer to attached letter for further details). Assets labelled AC may contain asbestos and therefore works on these assets must be undertaken in accordance with OH&S Regulations

	Title/Road Boundary		End of Pipe		Maintenance Hole
	Proposed Title/Road		Sewer Main & Property Connections		Inspection Shaft
	Easement		Direction of Flow		Offset from Boundary



Property: 46 Marlborough Street, Balaclava VIC 3183

Case Number: 36344716



Date: 12 May 2020

Sequence Number: 97585777

58D11



WARNING: This plan is issued solely for the purpose of assisting you in identifying South East Water's specified assets through further investigation only. It is not to be used for any other purpose, including to identify any other assets, property boundaries or dimensions. Accordingly, the location of all assets should be proven by hand on site prior to the commencement of any work. (Refer to attached letter for further details). Assets labelled AC may contain asbestos and therefore works on these assets must be undertaken in accordance with OH&S Regulations

Title/Road Boundary	Chlorination Assembly	Hydrant
Proposed Title/Road	Recycled Water Main Valve	Fireplug/Washout
Easement	Recycled Water Main & Services 100 CCL 26.9.1975	~ 1.0 Offset from Boundary



To: Mr Roddy McQuade
Phone: Not Supplied
Fax: Not Supplied
Email: roddy.mcquade@pjra.com.au

Dial before you dig Job #:	19518892	 DIAL BEFORE YOU DIG www.1100.com.au
Sequence #	97585778	
Issue Date:	12/05/2020	
Location:	46 Marlborough Street , Balaclava , VIC , 3183	Some impact. No onsite action required.

Information

The area of interest requested by you contains one or more assets.

nbn Assets	Search Results
Communications	Asset identified
Electricity	No assets

In this notice **NBN Facilities** means *underground fibre optic, telecommunications and/or power facilities, including but not limited to cables, owned and controlled by nbn*

Location of Underground Power Facilities

We thank you for your enquiry. In relation to your enquiry at the above address:

- **nbn's** records indicate that there **ARE nbn** Facilities in the vicinity of the location identified above ("Location").
- **nbn** indicative plan/s are attached with this notice ("Indicative Plans").
- The Indicative Plan/s show general depth and alignment information only and are not an exact, scale or accurate depiction of the location, depth and alignment of **nbn** Facilities shown on the Plan/s.
- In particular, the fact that the Indicative Plans show that a facility is installed in a straight line, or at uniform depth along its length cannot be relied upon as evidence that the facility is, in fact, installed in a straight line or at uniform depth.
- You should read the Indicative Plans in conjunction with this notice and in particular, the notes below.
- You should note that, at the present time, the Indicative Plans are likely to be more accurate in showing location of fibre optics and telecommunications cables than power cables. There may be a variation between the line depicted on the Indicative Plans and the location of any power cables. As such, consistent with the notes below, particular care must be taken by you to make your own enquiries and investigations to precisely locate any power cables and manage the risk arising from such cables accordingly.
- The information contained in the Indicative Plan/s is valid for 28 days from the date of issue set out



above. You are expected to make your own inquiries and perform your own investigations (including engaging appropriately qualified plant locators at your cost to locate **nbn** Facilities during any activities you carry out on site).

We thank you for your enquiry and appreciate your continued use of the Dial Before You Dig Service. If you are planning to excavate and require further information, please contact **nbn** on 1800 626 329. For any enquiries related to moving assets or Planning and Design activities, please visit the **nbn** [Commercial Works](#) website to complete the online application form.

Notes:

1. You are now aware that there are **nbn** Facilities in the vicinity of the above property that could be damaged as a result of activities carried out (or proposed to be carried out) by you in the vicinity of the Location.
2. You should have regard to section 474.6 and 474.7 of the *Criminal Code Act 1995* (CoA) which deals with the consequences of interfering or tampering with a telecommunications facility. Only persons authorised by **nbn** can interact with **nbn's** network facilities.
3. Any information provided is valid only for **28 days** from the date of issue set out above.

Referral Conditions

The following are conditions on which **nbn** provides you with the Indicative Plans. By accepting the plans, you are agreeing to these conditions. These conditions are in addition, and not in replacement of, any duties and obligations you have under applicable law.

1. **nbn** does not accept any responsibility for any inaccuracies of its plans including the Indicative Plans. You are expected to make your own inquiries and perform your own investigations (including engaging appropriately qualified plant locators at your expense to locate **nbn** Facilities during any activities you carry out on site).
2. You acknowledge that **nbn** has specifically notified you above that the Indicative Plans are likely to be more accurate in showing location of fibre optics and telecommunications cables than power cables. There may be a variation between the line depicted on the Indicative Plans and the location of any power cables.
3. You should not assume that **nbn** Facilities follow straight lines or are installed at uniformed depths along their lengths, even if they are indicated on plans provided to you. Careful onsite investigations are essential to locate the exact position of cables.
4. In carrying out any works in the vicinity of **nbn** Facilities, you must maintain the following minimum clearances:
 - 300mm when laying assets inline, horizontally or vertically.
 - 500mm when operating vibrating equipment, for example: jackhammers or vibrating plates.
 - 1000mm when operating mechanical excavators.
 - Adherence to clearances as directed by other asset owner's instructions and take into account any uncertainty for power cables.
5. You are aware that there are inherent risks and dangers associated with carrying out work in the vicinity of underground facilities (such as **nbn** fibre optic, copper and coaxial cables, and power cable feed to **nbn** assets). Damage to underground electric cables may result in:
 - Injury from electric shock or severe burns, with the possibility of death.
 - Interruption of the electricity supply to wide areas of the city.
 - Damage to your excavating plant.
 - Responsibility for the cost of repairs.
6. You must take all reasonable precautions to avoid damaging **nbn** Facilities. These precautions may include but not limited to the following:
 - All excavation sites should be examined for underground cables by careful hand excavation. Cable cover slabs if present must not be disturbed. Hand excavation needs to be undertaken with extreme care to



minimise the likelihood of damage to the cable, for example: the blades of hand equipment should be aligned parallel to the line of the cable rather than digging across the cable.

- If any undisclosed underground cables are located, notify **nbn** immediately.
 - All personnel must be properly briefed, particularly those associated with the use of earth-moving equipment, trenching, boring and pneumatic equipment.
 - The safety of the public and other workers must be ensured.
 - All excavations must be undertaken in accordance with all relevant legislation and regulations.
7. You will be responsible for all damage to **nbn** Facilities that are connected whether directly, or indirectly with work you carry out (or work that is carried out for you or on your behalf) at the Location. This will include, without limitation, all losses expenses incurred by **nbn** as a result of any such damage.
 8. You must immediately report any damage to **nbn**TM network that you are/become aware of. Notification may be by telephone - 1800 626 329.
 9. Except to the extent that liability may not be capable of lawful exclusion, **nbn** and its servants and agents and the related bodies corporate of **nbn** and their servants and agents shall be under no liability whatsoever to any person for any loss or damage (including indirect or consequential loss or damage) however caused (including, without limitation, breach of contract negligence and/or breach of statute) which may be suffered or incurred from or in connection with this information sheet or any plans(including Indicative Plans) attached hereto. Except as expressly provided to the contrary in this information sheet or the attached plans(including Indicative Plans), all terms, conditions, warranties, undertakings or representations (whether expressed or implied) are excluded to the fullest extent permitted by law.

All works undertaken shall be in accordance with all relevant legislations, acts and regulations applicable to the particular state or territory of the Location. The following table lists all relevant documents that shall be considered and adhered to.

State/Territory	Documents
National	Work Health and Safety Act 2011
	Work Health and Safety Regulations 2011
	Safe Work Australia - Working in the Vicinity of Overhead and Underground Electric Lines (Draft)
	Occupational Health and Safety Act 1991
NSW	Electricity Supply Act 1995
	Work Cover NSW - Work Near Underground Assets Guide
	Work Cover NSW - Excavation Work: Code of Practice
VIC	Electricity Safety Act 1998
	Electricity Safety (Network Asset) Regulations 1999
QLD	Electrical Safety Act 2002
	Code of Practice for Working Near Exposed Live Parts
SA	Electricity Act 1996
TAS	Tasmanian Electricity Supply Industry Act 1995
WA	Electricity Act 1945
	Electricity Regulations 1947
NT	Electricity Reform Act 2005
	Electricity Reform (Safety and Technical) Regulations 2005
ACT	Electricity Act 1971

Thank You,

Network Operations Centre - Assurance



Date: 12/05/2020

This document is provided for information purposes only. This document is subject to the information classification set out on this page. If no information classification has been included, this document must be treated as UNCLASSIFIED, SENSITIVE and must not be disclosed other than with the consent of nbn co. The recipient (including third parties) must make and rely on their own inquiries as to the currency, accuracy and completeness of the information contained herein and must not use this document other than with the consent of nbn co.

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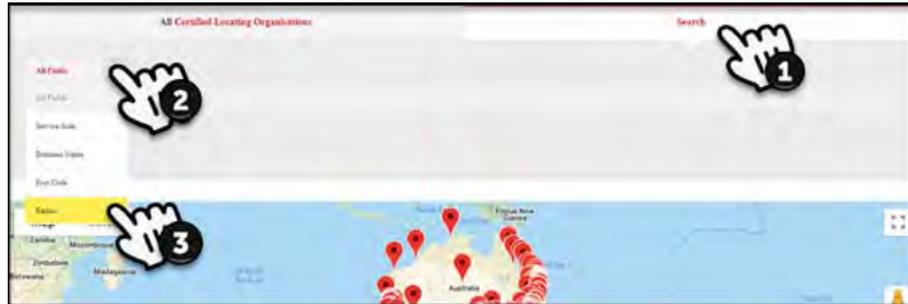
Search for the closest Certified Locating Organisation (CLO) to your work-site at the following website: <https://dbylocator.com/certified-locating-organisation/>

Read the terms of use - Click accept.

A national map and an A-Z list of all Certified Locating Organisations is now available. You have filtering options. Make the map full screen, 'fly' around and zoom into your district.

Click the nearest  marker to link to that CLO's details

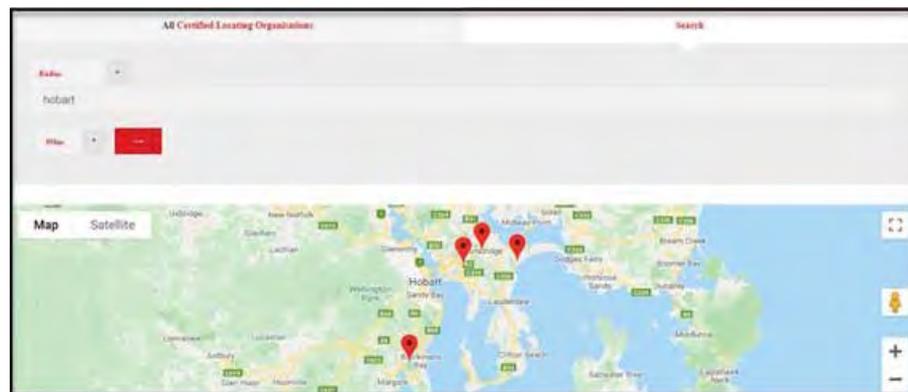
OR click **1.Search** **2.Dropout Menu** **3.Radius**



Type the town name for Example: Hobart and choose the radius for Example: 50klms (as below)

This example search brings four results. Scroll down to see all four CLO's details at once

OR click the  map marker to go directly to that organisations contact details.



Chose the closest Locator indicated OR simply scroll down to see them all.



Telstra is aware of each Certified Locating Organisation and their employee locators.

Locator skills have been tested, and the Organisation has calibrated location and safety equipment.

Each Certified Locator working for a CLO is issued with a photo ID Card, authorising them to access Telstra pits and manholes for the purpose of cable and plant locations.

Please ask to see your Locators' CLO ID Card.

Multinet Gas Networks Underground Asset Details

DBYD Enquiries
Phone: (03) 9535 8326

“Assets Affected”

Mr Roddy McQuade
Peter J Ramsay & Associates
222 Kings Way
South Melbourne, VIC 3205

Sequence No/s: 97585775
Customer ID: 1922139
Ph. No: 0444549471
Fax: Not Supplied
Issue Date: 12/05/2020

DBYD Location: 46 Marlborough Street, Balaclava, VIC, 3183

Asset Owner: Multinet Gas

(As per caller confirmation sheet)

The records of Multinet Gas indicate that Underground Pipes MAY BE present in the vicinity of and/or surrounding area of this enquiry/s. Please refer to the enclosed plan/s and read all Information and Disclaimers below and the notice on the plans.

- DBYD Gas Asset Overview 1 of 1
- M1-6506

Multinet Gas Networks (MGN) own, operate and maintain the gas distribution network in your area including gas pipes from the street up to and including the gas meter. Comdain Infrastructure Services are our authorised service provider who maintain the gas network on our behalf.

The person/company responsible for submitting the inquiry should take care to ensure all plans/documents listed above have been received, if there is any plan listed and not received please contact 03 9535 8326.

Multinet Gas Networks accepts no liability for the acts or omissions of person(s) carrying out works (except where such liability cannot be excluded by law). If damage occurs to any gas assets owned by Multinet Gas Networks, then Multinet Gas Networks may seek compensation from the person or legal entity responsible for the damage incurred to its gas assets, which may include costs incurred to conduct an investigation to establish the extent of the damage and the cost of surface reinstatement.

Prosecution by the relevant authorities under the Gas Industry Act (Vic) 2001 or the Gas Safety Act (Vic) 1997, as amended may also occur if gas assets are damaged.

Any information provided is valid only for 28 days from the date of issue set out above. If the work operation extends beyond this period, the information required is not for the area you will be working in, or if the designs are altered in any way, you must re-submit your proposal for re-assessment.

WARNING: It is essential that ALL these documents be handed to the principal contractor carrying out the work. A photocopy may be taken for office records. All documents must be on site at the time of excavations. The information provided is to be used as guide only and does not absolve third parties in their “Duty of Care” obligations to take additional precautions where the work has the potential to impact on gas assets and people’s safety.

Enquiries relating to this response, please contact 03 9535 8326

IN THE EVENT OF A GAS EMERGENCY CALL 132 691

CONDITIONS FOR WORKS IN THE VICINITY OF MULTINET UNDERGROUND ASSETS

- **No live gas pipes shall be cut, altered or removed by you. Only MGN or its Service Provider may carry out this work.**
- **No disused gas pipes shall be cut, altered or removed without APPROVAL from Multinet Gas Networks.**
- Care has been taken to ensure that the location and level of gas mains shown on our plans or given verbally are accurate, however, some variations from records do exist and complete accuracy cannot be guaranteed.
- **Service lines from the gas mains outside the property, to the customer's gas meter, are not shown on the plans.**
- Gas services are usually laid at right angles from the main to meter position, except where road conduits are provided. In all instances the position of pipes should be proved on site, by hand, prior to commencement of design work and/or construction.
- **For works near gas services onsite location / assistance can be arranged by contacting Comdain on 03 9535 8326 at least 5 to 10 working days prior to the commencement of planned works. This service is provided free of charge during normal working hours (7.30 am to 4pm Monday to Friday). Requests for location assistance outside of normal working hours may incur a fee (at the discretion of Multinet Gas Networks).**
- Special precautions must be taken in proving the location of mains. Damage to pipe coating or to the pipe itself can create a very dangerous situation over time if not given immediate attention. If damage does occur, it should be reported to Multinet Gas Networks at once.
- When plans are provided by Multinet Gas Networks, they should be used only for the work currently proposed and then destroyed. Plans become rapidly out-dated and their further use could prove to be dangerous.

1. Transmission Gas Pipelines

No excavations in areas that contain Transmission Pipelines are permitted without the prior approval of Pipelines Security – Comdain. Please refer to the information sheet “Conditions For Works Near Gas Transmission Pipelines” for a full list of requirements, conditions, clearances and contact numbers prior to any planning or excavations to be conducted within the area. A copy can be obtained by calling 03 9535 8326.

If present, Gas Transmission pipelines are indicated by a **RED** pipeline on the colour plan/s attached. They transport natural gas at very high pressures (up to 10,000 kPa) along routes designated by pipeline warning markers the location of which Pipeline Security – Comdain can provide additional information.

2. Distribution Gas Mains

Distribution mains and services operate at pressures up to 1050 kPa (Low, Medium & High Pressures). To allow for service tapping's and maintenance, every endeavour should be made to achieve the clearance dimensions given below. When this is not possible, it will be necessary to discuss the situation with Comdain on behalf of Multinet Gas with a view to reaching mutual agreement on alternative measures.

The following **minimum** clearances shall be maintained:

- **150mm** - when crossing gas mains or services with installations up to 1.5 metres wide
- **300mm** - when crossing gas mains or services with installations greater than 1.5 metres wide
- **300mm** - when installations are laid parallel to gas mains or services
- **1.0 metre** - between all gas mains or services and earthing stakes
- **1.0 metre** - between underground un-insulated electrical cables (E.g. earthing cables or stakes) laid parallel to gas mains.

Transmission Pipelines – additional clearances are required. Refer to point 1 above.

Excavating parallel to gas pipe/s - It is essential the locations of gas pipe/s are proven by careful hand excavation before machinery is within 300mm either side of the pipe/s. Pot holes shall be hand dug at regular intervals of not more than 5 meters apart to prove the actual location of the pipe/s. Minimum clearances are detailed in **point 2** above. Where the excavation depth is to exceed the pipe depth and the bedding around the pipe/s may be disturbed, Comdain shall be contacted.

Excavating across the gas pipe/s - It is essential the locations of gas pipe/s are proven by careful hand excavation before machinery is within 300mm either side of the pipe/s. Minimum clearances are detailed in **point 2** above. If the width or depth of the excavation is such that the pipe/s will be exposed, Comdain shall be contacted to determine if the pipe/s should be protected, supported or taken out of service.

Boring - Where it is required to bore across the line of the gas pipe/s, it is essential the locations of the gas pipe/s are first proven by careful hand excavation. A trench shall be dug one metre on each side of the gas pipe of the approaching auger to ensure a minimum clearance can be achieved as per **point 2** above.

Explosives - Please refer to the information sheet “*Conditions for the use of Explosives*” for a full list of requirements, conditions and clearances. A copy can be obtained by calling 03 9535 8326.

Alteration of Levels - If it is desired to increase or decrease ground levels above our gas pipe/s, please contact Comdain before the project commences to seek approval.

Notice is hereby given that it is an offence to uncover or damage any gas pipeline without authority (Sections 79B & 79D of the Gas Safety Act).

TYPE OF PIPE	FITTINGS AND NOTATIONS		
C2 CAST IRON C3 CAST IRON MECHANICAL JOINT C4 CAST IRON SOUTHERN C5 CAST IRON A.I.S. C6 CAST IRON METTERS CLOW C7 CAST IRON STAVELEY C8 CAST IRON STANTON C9 CAST IRON STANTON-STAVELEY C10 CAST IRON LEAD JOINT D2 DUCTILE IRON-UNCOATED D3 DUCTILE IRON-PLASTIC COATED F2 FIBRO CEMENT P2 POLYETHYLENE HIGH DENSITY IMPERIAL YELLOW P3 PLASTIC POLY VINYL CHLORIDE (PVC) P4 PLASTIC PIPE OTHER - L.P. ONLY P6 POLYETHYLENE PE80B IMPERIAL/METRIC YELLOW P8 POLYETHYLENE PE80B METRIC BLACK-YELLOW P10 POLYETHYLENE PE100 METRIC BLACK-YELLOW S2 STEEL S3 STEEL COATED & SCREWED S4 STEEL COATED & WELDED S5 STEEL GALVANIZED S6 STEEL COATED GIBAULT JOINT S7 STEEL PLASTIC COATED & WELDED S8 STEEL PLASTIC COATED & SCREWED S10 STEEL WELDED FUSION BONDED EPOXY S11 STEEL WELDED HIGH BUILD EPOXY W2 WROUGHT IRON GALVANIZED	90° BEND B.P. BLADDER PLATE (C.B.) COMBINED BEND F. & F. FLANGE & FAUCET PIECE F. & S. FLANGE & SPIGOT PIECE P.L. PROPERTY LINE R. REDUCER Sd. SADDLE St. STOOL T. TEE T.B. TEE BOSSED T.Sp. TEE SPLIT Th. THIMBLE Th.Sp. THIMBLE SPLIT Th.Sp.B. THIMBLE SPLIT BOSSED (V) VERTICAL W.S. WILLIAMSON SHORT STOPP W.T. WILLIAMSON TEE R.T. RAVETTI TEE	SNIV SCADA NETWORK ISOLATION VALVE  OR  REGULATOR KIOSK / PIT  SCADA D9-107 SYSTEM CONTROL & DATA ACQUISITION NUMBER  PI-101 REGULATOR NUMBER  SYPHON  PURGE, PRESSURE POINT  VALVE  VALVE INSULATED  FLANGE BLANK  INSULATED FITTING  (A) ANODE BED  (C) CATHODIC PROTECTION UNIT  (T) TEST POINT  ENCASING PIPE  CONCRETE SLABBING  + CROSS	 PROPOSED TITLE BOUNDARY  EASEMENT BOUNDARY  BACK OF KERB (B.O.K.)  FENCE LINE C.L. 2/74 DATE MAIN CLEANED FEB. 1974 2/74 DATE MAIN LAID FEB. 1974 E.O.M. END OF MAIN N.T.I. NOT TIED IN  OFFSET COVER VIC.R. VICROADS D.B. DIRECTIONAL BORING ALPHA NUMERIC REFERENCES RELATE TO DETAILED DRAWINGS WHICH ARE AVAILABLE VIA DBYD EG. M1 1234 MAINS DETAIL DRAWING E1 EASEMENT DRAWING

DUTY OF CARE



TELSTRA CORPORATION ACN 051 775 556

IMPORTANT:

When working in the vicinity of telecommunications plant you have a "Duty of Care" that must be observed. Please read and understand all the information and disclaimers provided below.

Telstra network is complex and requires expert knowledge to interpret information, to identify and locate components, to pothole underground assets for validation and to safely work around assets without causing damage. If you are not an expert and/or qualified in these areas, then you must not attempt these activities. Telstra will seek compensation for damages caused to its property and losses caused to Telstra and its customers. The 5 P's to prevent damage to Telstra assets are listed below. Construction activities and/or any activities that potentially may impact on Telstra's assets must not commence without first undertaking these steps. Construction activities can include anything that involves breaking ground, potentially affecting Telstra assets.

If you are designing a project it is recommended that you also undertake these steps to validate underground assets prior to committing to your design.

All damages to Telstra Network must be reported immediately

- Call **13 22 03** Say "Damages" at the voice prompt, then press 1 to speak to an Operator
- Or report online
<https://service.telstra.com.au/customer/general/forms/report-damage-to-telstra-equipment>

(The following pages contain more detail on each step below and the contact details to seek further advice. AS5488-2013 is the Australian Standard for the Classification of Subsurface Utility Information.)

1 PLAN:

The essential first step in preventing damage -

You must have current Telstra plans via the DBYD process. Telstra advises that the accuracy of the information provided by Telstra conforms to Quality Level D as defined in AS5488-2013. This means the information is indicative only, not a precise location. **The actual location may differ substantially from that shown on the plans** - refer to steps 2 & 3 to determine actual location prior to proceeding with construction.

2 PREPARE:

The essential second step in preventing damage -

Engage a Telstra Accredited Plant Locator. To be able to trace and identify individual subsurface cables and ducts requires access to Telstra pits and manholes. Only a Telstra Accredited Plant Locator (TAPL) is authorised to access Telstra network for locating purposes. A TAPL can interpret plans, validate visible assets and access pits and manholes to undertake electronic detection of underground assets prior to further validation. All Telstra assets must be located, validated and protected prior to commencing construction. **If you are not authorised to do so by Telstra, you must not access Telstra network or locate Telstra network.** All Telstra Accredited Plant Locators are required to have DBYD Locator Certification.

3 POTHOLE:

The essential third step in preventing damage -

All Telstra assets must be positively identified (i.e. validated), by physically sighting them. For underground assets this can be done by potholing by hand or using non-destructive vacuum extraction methods (Refer to 'validation' as defined in AS5488-2013 QL-A). **Underground assets located by electronic detection alone (step 2), are not deemed to be 'validated' and must not be used for construction purposes.** Some TAPL's can assist with non-destructive potholing for validation purposes. **If you cannot validate the Telstra network, you must not proceed with construction.** Telstra will seek compensation for damages caused to its property and losses caused to Telstra and its customers.

4 PROTECT:

The essential fourth step in preventing damage -

Telstra assets must be protected to avoid damage from construction activities. Minimum working distances around Telstra network must be maintained. These distances are provided in this document. Telstra can also provide advice and assistance in regards to protection – refer to the following pages.

5 PROCEED:

Only proceed when the above steps have been completed.

STEP 1 - PLAN

Dial Before You Dig / Telstra Plans

The actual location of Telstra assets may differ substantially from that shown on the plans. Telstra does not warrant or hold out that its plans are accurate and accepts no responsibility for the accuracy shown on the plans. Steps 2 and 3 must also be undertaken to determine actual location of network.

- Telstra DBYD plans are not suitable for displaying Telstra network within a Telstra exchange site. For advice on Telstra network within a Telstra exchange site contact Telstra Plan Service on 1800 653 935.
- 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.
- Telstra plans or other details are provided only for the use of the applicant, its servants, agents or Telstra Accredited Plant Locators. The applicant must not give the plans or details to any parties other than these, and must not generate profit from commercialising the plans or details.
- Please contact Telstra Plan Services 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 the inspection, location and construction phase of any works.
- Telstra plans are valid for 60 days after issue and must be replaced if required after the 60 days.
- **Emergency situations - receiving Telstra plans** Telstra's automated mapping system (TAMS) will provide a fast response for emergency situations (faster than an operator can provide manually via a phone call - see below for fast response requirements). Automated responses are normally available 24/7.

To receive a fast automated response from Telstra your request must -

- Be a web request lodged at DBYD (www.1100.com.au). The request will be then forwarded to Telstra.
 - Contain your current email address so you can receive the automated email response.
 - Be for the purposes of 'mechanical excavation' or other ground breaking DBYD activity. (Requests with activity types such as conveyancing, planning & design or other non-digging activities may not be responded to until the next business day).
 - Be for an area less than 350 metres in size to obtain a PDF map (over 350 metres will default to DWF due to size) this does not include congested CBD areas where only DWF may be supplied.
 - Be for an area less than 2500 metres in size to obtain a DWF map (CBD's less)
- **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, planning and design requests or requests to be supplied in non-standard formats. For further details contact Telstra Plan Services.
 - **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 (for smaller areas) or DWF file (for larger area requests). All requests over approximately *350m or in congested CBD areas can only be supplied in DWF format. There are size limits on what can be provided. (* actual size depends on geographic location of requested area). If you are unable to launch any one of the softcopy files for 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 (for PDF files) or Autodesk Design Review (for DWF files) available from the internet

- **Pdf files** - PDF is the default softcopy format for all requests for areas up to approx *350m in length. (*depends on geographic location of request). The PDF file is nominally formatted to A3 portrait sheet however it can be printed on any size sheet that your printer supports, e.g. either as the full sheet or selected areas to suit needs and legibility. (to print a selected area zoom up and print 'current view') If 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 or layers of network normally recorded - local network, mains cables or a combined layer of local and mains (usually displayed for rural or semi-rural areas). If mains cable network is present in addition to local cables (i.e. 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** – DWF is the default softcopy format for all requests for areas that are over 350m in length. Maximum length for a DWF automated response is approx 2500m - depending on geographic location of request (manually-processed plans may provide larger coverage). 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 electronically.
 - **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), DA (distribution area network) and sometimes a combined layer - CAC. Layer details can be viewed by either picking off the side menu or by selecting 'window' then 'layers' off the top menu bar. Use 'layers' to turn individual layers off or on (double click or right click on layer icon).
 - **How to print Telstra DWF files –**
DWF files can be printed on any size sheet – either 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. Alternatively, an A3, A1 or larger printer could 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, e.g. A4, you may need to zoom until the text is legible for printing (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 –**
If using Autodesk Design Review the background colour can be changed by selecting 'Tools' then 'options' then 'sheet'. Tick the box 'override published paper colours' and select the colour required using the tab provided.

STEP 2 – PREPARE

Telstra Accredited Plant Locator (TAPL):

Utilising a TAPL is an essential part of the process to identify network and to trace subsurface network prior to validating. A TAPL can provide plan interpretation, identification and electronic detection. This will assist in determining the position of subsurface assets prior to potholing (validating). Some TAPL's can also assist in validating underground detected network. Electronic detection is only an indication of the existence of underground network and can be subject to interference from other services and local conditions. Electronic detection must not be used solely to determine location for construction purposes. The electronic (indicative) subsurface measurements must be proven by physically sighting the asset (see step 3 – Pothole).

- All TAPL's locating Telstra network must be able to produce a current photo ID card issued by Telstra. A list of TAPL's is provided with the Telstra Dial Before You Dig plans.
- All TAPL's in addition to the Telstra photo ID card must also have current DBYD Locator Certification with ID card.

- Telstra does not permit external parties (non-Telstra) to access or conduct work on Telstra network. Only Telstra staff, Telstra contractors or locators whom are correctly accredited are authorised to work on or access Telstra manholes, pits, ducts, cables etc. This is for safety as well as for legal reasons.
- 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 Telstra Accredited Plant Locator engaged. Telstra is not a party to any contract entered into between you and a Telstra Accredited Plant Locator.
- Payment for the site assistance will be your responsibility and payment details must be agreed before the engagement is confirmed.
- Telstra does not accept any liability or responsibility for the performance of or advice given by a Telstra Accredited Plant Locator. Accreditation is an initiative taken by Telstra towards the establishment and maintenance of competency standards. However, performance and the advice given will always depend on the nature of the individual engagement.
- Neither the Telstra Accredited Plant Locator nor any of its employees are an employee or agent for Telstra. Telstra is not liable for any damage or loss caused by the Telstra Accredited Plant Locator or its employees.

- **Electronically derived subsurface measurements (e.g. depths/alignments by locating devices)**

All locator provided measurements for Telstra assets must have the AS5488-2013 quality level specified - (e.g. QL-A, B, C or D). These quality levels define the accuracy of subsurface information and are critical for determining how the information is later used – for example if suitable for excavation purposes.

1) **An example of a subsurface measurement with no quality level specified – (i.e. not to be used)**

Telstra cover - **0.9m**

*The measurement above has no AS5488-2013 quality level specified and **must not be provided by a locator or used for design or construction.** This is because it is not known whether the measurement is actual or derived (where 'actual' means validated and 'derived' means assumed and not validated, e.g. electronic or other). Typically damages occur by constructors incorrectly using unvalidated measurements as actual measurements.*

2) **An example of a subsurface measurement with quality level B specified –**

Telstra cover - **0.9m (QL-B)**

Where (QL-B) complies with AS5488-2013 QL-B (for example an electronic location that complies with QL-B)

(Note QL-B means it has not been validated and must not be used for construction purposes around Telstra network, however it would assist further investigation to determine the actual location)

3) **An example of a subsurface measurement with the quality level A specified –**

Telstra cover - **0.6m (QL-A)**

Where (QL-A) complies with AS5488-2013 QL-A (and is deemed suitable for excavation purposes). In this example the asset has been electronically located first, (QL-B) and then physically exposed (QL-A).

Note -Telstra will seek compensation for damages caused to its property and losses caused to Telstra and its customers if unvalidated subsurface measurements are used for construction and subsequently result in damage to Telstra assets. Only measurements conforming to AS5488-2013 (QL-A) are deemed by Telstra to be validated measurements.

- **Rural landowners - Rural Locations Subsidy Scheme** Where Telstra-owned cable crosses agricultural land, Telstra may provide on-site assistance with cable location. **You must contact Telstra Plan Services to determine eligibility and to request the service.**

Please note the following –

- If eligible, the location assistance must be approved and organised by Telstra. Telstra will not pay for a location that has not been approved and facilitated by Telstra (Telstra is not responsible for payment assistance when a customer engages a locator directly).
- Telstra will only “subsidise” the location up to \$330 (Incl. GST). This will cover one hour on-site location only, private lead-in locations are for lead-ins 100m or longer. Any time required in addition to Telstra-funded time can be purchased directly from the assigned Telstra Accredited Plant Locator.
- This service does NOT include the use Mechanical Aids or Hydro Excavation (Vac Trucks) to locate and should be discussed between the Accredited Plant Locator and the private rural landowner
- The exact location, including depth of cables, must be validated by potholing, which may not be covered by this service.

- This service is nominally only available to assist private rural land owners.
- This service nominally covers one hour on-site only, private lead-in locations are for lead-ins 100m or longer. Any time required in addition to Telstra-funded time can be purchased directly from the assigned Telstra Accredited Plant Locator.
- This service does not apply to previously located network at the same location (i.e. it is a once off).
- This service does not apply to other carriers' cables (marked as 'OC' on Telstra plans).

STEP 3 – POTHOLE

Validation as defined in AS5488-2013 (QL-A).

After utilising a Telstra Accredited Plant Locator and prior to commencing construction, any electronically detected underground network must be positively identified (validated) by physically sighting it. This can be done by careful hand digging or using non-destructive water jet methods to expose the network.

Manual potholing needs to be undertaken with extreme care and by employing techniques least likely to damage cables. For example, align shovel blades and trowels parallel to the cable rather than digging across the cable. Some Telstra Accredited Plant Locators are able to provide or assist with non-destructive potholing methods to enable validation of underground cables and ducts.

If you cannot validate the underground network then you must not proceed with construction. Telstra will seek compensation for damages caused to its property and losses caused to Telstra and its customers.

Important note: *The construction of Telstra's network dates back over many years. Some of Telstra's pits and ducts were manufactured from asbestos-containing cement. You must take care in conducting any works in the vicinity of Telstra's pits and ducts. You must refrain from in any way disturbing or damaging Telstra's network infrastructure when conducting your works. We recommend that before you conduct any works in the vicinity of Telstra infrastructure that you ensure your processes and procedures eliminate any possibility of disturbing, damaging or interfering in any way with Telstra's infrastructure. Your processes and procedures should incorporate appropriate measures having regard to the nature of this risk. For further information -*

<https://www.telstra.com.au/consumer-advice/digging-construction/relocating-network-assets>

STEP 4 – Protect:

You must maintain the following minimum clearance distances between construction activity and the validated position of Telstra plant.

Jackhammers/Pneumatic Breakers	<i>Not within 1.0m of actual validated location.</i>
Vibrating Plate or Wacker Packer Compactor	<i>Not within 0.5m of actual validated location 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 validated location. Constructor to hand dig or use non-destructive water jet method (pothole) 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 actual depth via hand digging.</i>
Mechanical Excavators, Farm ploughing and Tree Removal	<i>Not within 1.0m of actual validated location. Constructor to hand dig or use non-destructive water jet method (pot-hole) and expose plant.</i>

- For blasting or controlled fire burning please contact Telstra Plan Services.
- If conducting roadworks all existing Telstra pits and manholes must be a minimum of 1.2m in from the back of kerb after the completion of your work.
- After the completion of any ground work in footways or roadway whereby the existing levels are being changed the depth of cover of the existing Telstra asset at the completion of work must not be less than the existing level before work commenced.

Regardless of whether the surface is being raised or lowered, any work impacting the depth of cover of Telstra underground assets should not commence before consultation with Telstra Network Integrity representatives, to discuss the possibility of 'protection' or relocation (including lowering of the asset)".

- For clearance distances relating to Telstra pillars, cabinets and RIMs/RCMs please contact Telstra Plan Services.
- If Telstra plant is situated wholly or partly where you plan to work (i.e. in conflict, where a pit or manhole would be in a driveway or other vehicle thoroughfare), then Telstra's Network Integrity Group must be contacted to discuss possible engineering solutions to protect Telstra assets. Please phone **1800 810 443** or email NetworkIntegrity@team.telstra.com
- You are not permitted to relocate or alter or repair any Telstra assets or network under any circumstances.

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.

Only Telstra and its contractors may access and conduct works on Telstra's network (including its plant and assets). This requirement is to ensure that Telstra can protect the integrity of its network, avoid disruption to services and ensure that the relocation meets Telstra's requirements.

- If 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, constructor or person for whom the work is performed. 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. Please phone 1800 810 443 or email NetworkIntegrity@team.telstra.com
Further information - <https://www.telstra.com.au/consumer-advice/digging-construction/relocating-network-assets>

Damage to Telstra's network must be reported immediately –

132 203 Say "Damages" at the voice prompt, then press 1 to speak to an Operator

Or report online:

<https://service.telstra.com.au/customer/general/forms/report-damage-to-telstra-equipment>

- You will be held responsible for all plant damage that occurs or any impacts to Telstra's network as a result of your construction activities. This includes interfering with plant, conducting unauthorised modification works and interfering with Telstra's assets in a way that prevents Telstra from accessing or using its assets in the future.
- Telstra reserves all rights to recover compensation for loss or damage to its cable network or other property including consequential losses.

FURTHER INFORMATION - CONTACTS

NATURAL DISASTERS

Natural Disasters include (amongst other things) earthquakes, cyclones, floods and tsunamis. In the case of such events, urgent requests for plans or information relating to the location of Telstra network can be made directly to Telstra Network Integrity Team Managers as follows:

NSW –	John McInerney	0419 485 795
NT/WA/QLD –	Glenn Swift	0419 660 147
SA/VIC/TAS -	David Povazan	0417 300 947

TELSTRA PLAN SERVICES - for all Telstra Dial Before You Dig related enquiries

Email - Telstra.Plans@team.telstra.com

Phone - 1800 653 935 (general enquiries, business hours only)

Accredited plant locator enquiries - Glen	(07)34551011
Telstra easements - Glen	(07)34551011

**Please note - to make a Telstra plan 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 prior to contacting Telstra Plan Services.*

Information for new developments (developers, builders, home owners)

Telstra Smart Communities - <https://www.telstra.com.au/smart-community>

Asset relocations

Please phone 1800 810 443 or email NetworkIntegrity@team.telstra.com

<https://www.telstra.com.au/consumer-advice/digging-construction/relocating-network-assets>

Telstra offers free Cable Awareness Presentations, if you believe you or your company would benefit from this offer please contact Network Integrity on 1800 810 443 or NetworkIntegrity@team.telstra.com

PRIVACY NOTE

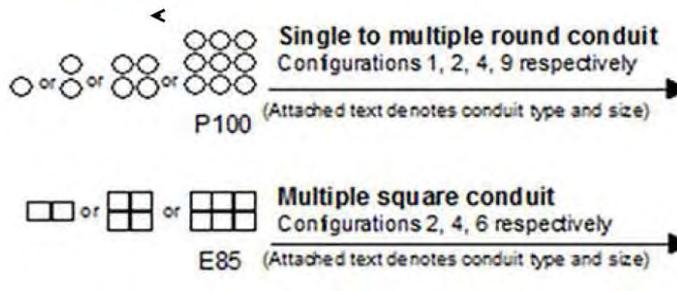
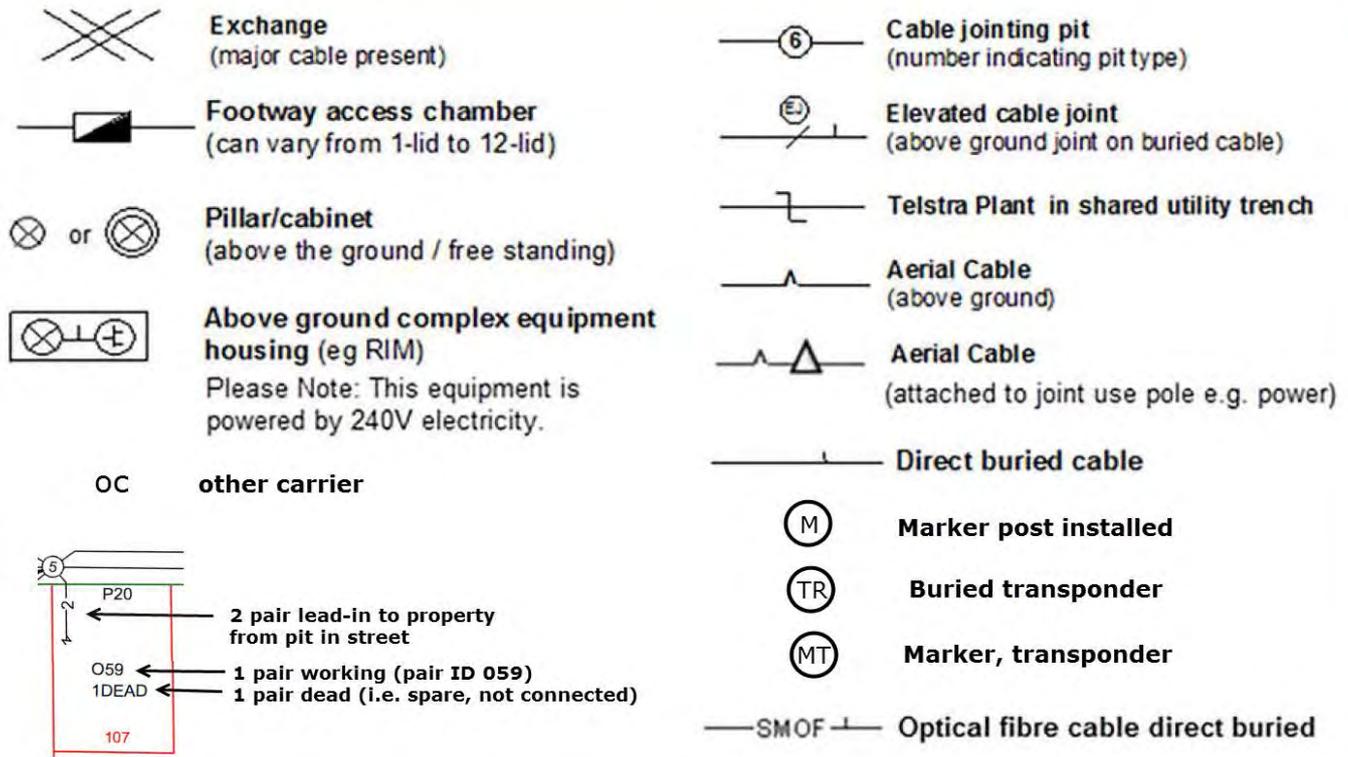
Your information has been provided to Telstra by DBYD to enable Telstra to respond to your DBYD request. Telstra keeps your information in accordance with its privacy statement entitled "Protecting Your Privacy" which can be obtained from Telstra either by calling 1800 039 059 or visiting our website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

LEGEND

IT'S HOW WE CONNECT



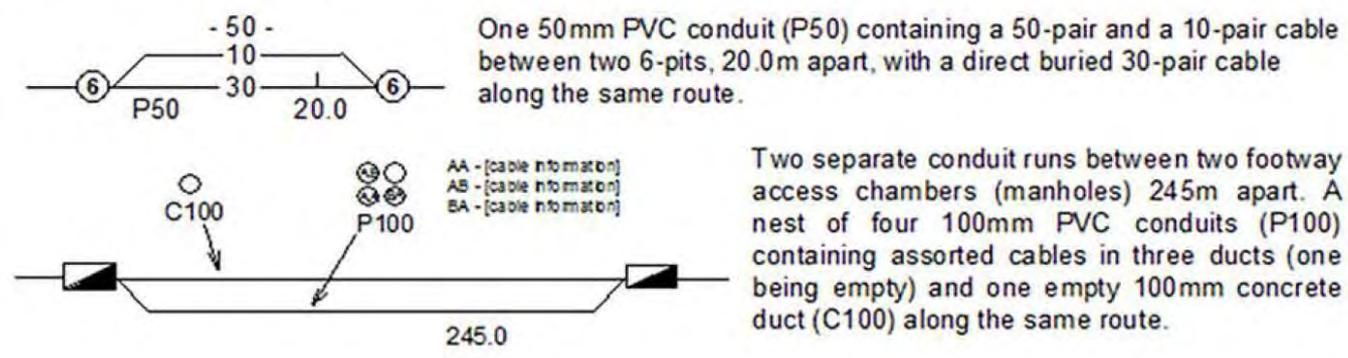
For more info contact a Telstra Accredited Locator or Telstra Plan Services 1800 653 935



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:



WARNING: Telstra plans and location information conform to Quality Level 'D' of the Australian Standard AS 5488 - Classification of Subsurface Utility Information. As such, Telstra supplied location information is indicative only. Spatial accuracy is not applicable to Quality Level D. Refer to AS 5488 for further details. Telstra does not warrant or hold out that its plans are accurate and accepts no responsibility for any inaccuracy shown on the plans. **FURTHER ON SITE INVESTIGATION IS REQUIRED TO VALIDATE THE EXACT LOCATION OF TELSTRA PLANT PRIOR TO COMMENCING CONSTRUCTION WORK.** A plant location service is an essential part of the process to validate the exact location of Telstra assets and to ensure the asset is protected during construction works. The exact position of Telstra assets can only be validated by physically exposing it. Telstra will seek compensation for damages caused to its property and losses caused to Telstra and its customers.

Telecommunications Network Protection

Procedure

Document information

HPRM ref TS-SP 015
Date 09 September 2016
Security class

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Version History

Version	Change/Review details	Author or reviewer	Date of review/update	Approver	Date approved
1.0	Reviewed and endorsed by Executive (TS-SP 015)			Manager, Telecommunications Services	27/5/2004
2.0	Minor version update: Grammatical errors fixed and Footer updated. (TS-SP 015)			Fibre Network Planning Engineer	26/11/2009
3.0	Review by Bob Watson and Laurie Beckwith (TS-SP 015)			Senior Network Architect	13/02/2014
3.1	Full review by Laurie Beckwith			Head of Engineering & Operations	Dec 2014
4.0	Creation of new TS document using new template and updating document to reflect responsibilities Rename to a Procedure (from Plan)	Andrew Elam	12/10/2015	General Manager Telecommunications Group	

Reviews and Amendments

Outline which position is responsible for undertaking reviews and amendments, and how frequently reviews and/or amendments will occur.

Example:

This document will be reviewed every three (3) years or earlier as appropriate by the Manager of External Plant.

Users will be provided with access to this document via the Policy and Procedures Library on VicTrack's intranet, MyHub.

Document Owner

Author name	Author position	Document owner name	Document owner position
Andrew Elam	Lead Business Analyst TTI Accreditation Project	Joseph De Luca	Manager, External Plant Telecommunications

1. Purpose

VicTrack is a licensed telecommunications carrier under the Telecommunications Act 1997. It owns considerable telecommunications infrastructure in the form of fibre optic cables, copper cables and supporting facilities. This infrastructure is used to provide telecommunications services to a number of customers including:

- The rail industry for voice, data and train signalling and control;
- Various state government departments; and
- Other licensed carriers.

As a result, the infrastructure must be protected from damage.

The purpose of this document is to specify the work protocols to be observed by contractors and rail operators working near VicTrack's telecommunications infrastructure so that it is not damaged in any way and the services carried on that infrastructure are not adversely affected in any way.

It is a fundamental principle of this protocol that all Contractors will exercise Due Care and observe good engineering practice while working near VicTrack's telecommunications infrastructure and will take all reasonable precautions to avoid damaging that infrastructure. VicTrack will, in this respect, assist Contractors by providing to them or their subcontractors the best available information and advice.

VicTrack, as a licensed telecommunications carrier, retains certain rights under the Telecommunications Act in regard to protection of its infrastructure. Contractors are reminded that it is an offence, for which penalties may apply under the Criminal Code Act 1995 (Commonwealth), to tamper with or interfere with a facility owned or operated by a telecommunications carrier. The potential penalties are more severe, if the normal operation of carriage services supplied by a telecommunications carriage service provider is hindered.

2. Scope

This specification is applicable to VicTrack staff, rail franchisee staff or Contractors who will be carrying out any works within 5 metres of VicTrack's telecommunications infrastructure. While the majority of VicTrack's infrastructure is on Victorian rail corridors, an increasing amount is off the rail corridors.

This infrastructure may be:

- In the rail corridor (GST/GLT/Buried Conduit/Direct Buried);
- Underground, in road reserves in VicTrack or other carriers' conduits;
- In Station Buildings, CER's and SER's;
- Aerial on tram or power poles; or
- Underground in private land.

3. Definitions and Abbreviations

Terms	Definition
1100	This is the phone number for “Dial Before You Dig” - Australia's National Referral Service for Information on Underground Pipes & Cables. A free referral service for information on underground pipes and cables anywhere in Australia from all member Utilities and Authorities. Also: www.1100.com.au
1800 619 111	This is the phone number displayed on VicTrack route marker posts to contact VicTrack to seek information on underground communication and signalling cables in the Victorian rail corridors.
1800 887 662	This is the phone number of the VicTrack Network Operations Centre (NOC).
ARO	Accredited Rail Operator
Carrier	A body licensed under the Telecommunications Act, 1997 (or its replacement), as a general or mobile telecommunications carrier.
Contractor	Any person or persons carrying out discovery, construction, installation or maintenance activities.
CER	Communications Equipment Room
CSR	Combined Services Route where signalling and communications assets share the same route, but use separate conduits and pits.
DBYD	Dial Before You Dig - a referral service for information on locating underground utilities anywhere in Australia
Due Care	Appropriate care as required by the principles of the law of Tort and Contract as well as pursuant to Criminal Statute; along with the requirements for good engineering practices as required by the Act and the Telecommunications Code of Practice. Due care needs to be observed when undertaking works in accordance with the processes set out in this document.
External Plant	Includes all VicTrack fibre optic cables, copper cables, pits, bollards, conduits, trunking (GST), surface ducting (GLT), route markers, buildings, marker tape, termination boxes and associated infrastructure used to provide the communications services.
External Plant Relocation	A physical alteration to the configuration or alignment of an existing telecommunications cable or facility, with or without a cable cutover.
FOC	Fibre Optic Cable.
Franchisee	A Train or Tram Operator operating under a licence granted by the State. The Franchisees having responsibility for fixed infrastructure include Metro Trains Melbourne (MTM) (metropolitan lines), V/Line (country lines), Australian Rail Track Corporation (ARTC) (interstate corridors) and Yarra Tram.
GLT	Ground Level Troughing (steel, plastic or concrete)
GST	Galvanised Steel Troughing
Hazard PTW	Works that may pose a risk of damage to VicTrack Telecommunications infrastructure but do not require outages to services.

Terms	Definition
High Risk	Areas in which VicTrack Plant is located where VicTrack may require the development of a specific work methodology to protect the integrity of the plant.
HV	High voltage signalling power cable (over 1000V).
Incident Report	A report to be provided by the Contractor in the event of damage to VicTrack External Plant detailing events leading up to and including the damage event, plus proposed actions to be put in place to prevent a recurrence of this type of event in the future.
Industry Specialist	Industry Specialists are experienced design and construction companies capable of understanding protective and relocation works upon the live network without disruption to VicTrack customer traffic, without asset depreciation of network plant, and under broad VicTrack direction and with limited supervision.
Internal Plant	Racks, shelves, wall boxes and cabinets containing external cable termination equipment and/or VicTrack network equipment.
Location, Confirmed	Where the location of the cable or conduit has actually been confirmed by exposing it by Potholing.
Location, Nominal	Locations obtained by use of plans, verbal information, marker posts, trench lines, electronic devices or lines between confirmed locations (not to be treated as confirmed location).
Network Protection Manager	Position within the VicTrack Operations group that is dedicated to network protection and maintenance activities.
NIS	Network Infrastructure Services – This is the function within VicTrack Customer Operations Group that provides damage minimisation principles and information on the location of VicTrack External Plant. VicTrack may delegate some or all of this function to an external company.
NOC	Network Operations Centre – This is the area responsible for the integrity and operation of VicTrack's network. It is staffed on a 24-hour 7-day basis.
NDD	Non-Destructive Digging (Water Lance and vacuum extraction technology) also known as Sucker Truck
Outage PTW	PTW that involves outages to services
PTW - Permit To Work	A request to the VicTrack Change Management group for permission to work on, or near, VicTrack telecommunications infrastructure.
Pothole	See Potholing below.
Potholing	Potholing is a non-destructive digging procedure which uses water lance and vacuum excavation techniques to expose a cable, conduit or marker tape. This process is also known as "Exploratory Trenching". At all times while carrying out such activities, Due Care is to be exercised to avoid any damage to the External Plant. If HV cables are present, the relevant ARO may require power isolation to be effected before potholing is carried out.
SER	Signalling Equipment Room

Terms	Definition
SWMS/JSEA	Safe Work Method Statement (also known as Job Safety and Environment Analyses)
Target Separation	Agreed minimum offsets for which no Potholing precautions are required to protect VicTrack's Plant.
Telecommunications Network Protection	. A document that sets out the procedures to be followed during the carrying out of Works to ensure satisfactory protection of VicTrack assets.
VicTrack	Victorian Rail Track, associated companies or their agents.
VRT	Victorian Rail Track, associated companies or their agents.
Works	For the purpose of this document, the carrying out of any investigative, construction or maintenance activities.

4. Reference Documents

TS-SP-013 Telecommunication - Installation

- TS-SP-351 External Plant - Maintenance
- VT-SP 032 Asbestos (and Hazardous Materials) Management Plan
- IS-P009 – VicTrack Change Policy

Where requirements clash between standards, the more stringent requirement is to be adopted.

5. Legislative Documents

- AS/ACIF S008:2006 Requirements for authorised cabling products;
- AS/ACIF S009:2006 Installation requirements for customer cabling (Wiring Rules);
- AS/NZS 3000:2007 Electrical Installations (known as the Australian / New Zealand Wiring Rules);
- AS 4799 – 2000 Installation of underground utility services and pipelines within railway boundaries;
- Victoria Compliance Code / Managing Asbestos in Workplaces (2008)

6. Responsibilities

Specific responsibilities and accountabilities include:

6.1. General Managers

Support and ensure that other departments meet compliance requirements.

6.2. Managers

Manages and ensures that internal and external parties working within 5 metres meet compliance requirements.

6.3. Supervisors/Team Leaders

Reviews, approves and ensures that internal and external parties working within 5 metres meet compliance requirements.

6.4. Department/Group/individuals

- VicTrack will, assist Contractors by providing to them or their subcontractors the best available information and advice to assist them to achieve Due Care and observe good engineering practice while working near VicTrack's telecommunications infrastructure and will take all reasonable precautions to avoid damaging that infrastructure.
- VicTrack NIS group will refer to the information supplied by the Contractor for its general awareness and understanding of the Works

6.5. All VicTrack Employees

- Follow all safety procedures to ensure infrastructure is protected from damage.
- Exercise Due Care and observe good engineering practice while working near VicTrack's telecommunications infrastructure

6.6. Contractors

- Follow all safety procedures to ensure infrastructure is protected from damage.
- Exercise Due Care and observe good engineering practice while working near VicTrack's telecommunications infrastructure
- Liaise with VicTrack Property Group when locating VicTrack's communications External Plant
- Liaise with VicTrack Network Infrastructure Services (NIS) at all stages of its intention to undertake discovery, construction or maintenance Works in the vicinity of VicTrack Internal and External Plant, Detailed Works programs including timelines; Works details, including scale drawings and method of carrying out the Works; and details of how the Contractor will protect VicTrack's assets from damage

7. Procedure

7.1. Background information

Information on the location of VicTrack's communications External Plant is obtainable by contacting 1800 619 111. Information on the location of signalling External Plant is obtainable from the maintenance contractors for the rail franchisees. In the metropolitan area, the maintenance contractor is Metro Trains Melbourne. In the country area, the maintenance contractor for V/Line and ARTC is internal to those organisations.

Some of VicTrack's communication cables are carried in shared infrastructure. This includes trunking (GST), surface ducting (GLT), pits, and in some cases trenches (CSR). The infrastructure is generally shared with signalling cables that may contain voltages as high as 2.2 kV.

External cable infrastructure will terminate in External cabinets or racks, shelves, wall boxes or cabinets within buildings.

The telecommunications cable plans are only a guide and the drawings should not be scaled to locate the cable. No warranty is given that the information is accurate or complete. Furthermore, the information supplied is valid for 14 days only.

In the event that suspected asbestos is identified during works conducted by VicTrack personnel or contractors, the material will be managed in accordance with the ***VT-SP 032 VicTrack Asbestos (and Hazardous Materials) Management Plan***

The use of asbestos products in new telecommunication infrastructure is prohibited.

7.2. Inductions and Worker Accreditation

In order to maintain our network standards for installation and maintenance, it is required that:

- 7.2.1. All workers that will have access to our network external plant shall attend induction workshops where they will be given the required information contained in this document and the following: ***TS-SP-013 Telecommunication - Installation Procedure, TS-SP 351 External Plant - Maintenance Procedure, and TS-SP 066 Attachments to Tram Poles;***
- 7.2.2. On demonstrating an adequate understanding of our network requirements, these staff will be issued with a "VicTrack Network – External Plant" accreditation card. This card will enable these workers to work on or near VicTrack external plant for a period of five (5) years, after which a refresher workshop will be held. As industry workers often change employers, it is required that companies used by VicTrack for external plant work will advise VicTrack on changes of staff to allow us to organise workshops for new workers and/or refresher courses.
- 7.2.3. The courses may be different for different areas of expertise, such as planning and design guidelines for design staff, and detailed courses on pits, conduits, etc. for field supervisors.
- 7.2.4. Minor specification changes will be advised to card holders as a matter of keeping up to date with our standards.
- 7.2.5. Installation and maintenance contract companies will be required to advise which of their staff will be working on or near VicTrack external plant and will be required to provide their current accreditation details before those staff can perform those works.

7.3. Underground works

7.3.1. Planning Phase Process

- 7.3.1.1. The Contractor shall apply to DBYD to seek plans from all underground asset owners well in advance of any Works activity.
- 7.3.1.2. Note that details of railway assets in rail corridors such as Telecommunications and signalling cables are not listed with DBYD. For these assets, the Contractor is to contact the VicTrack Property Group who will in turn notify the relevant VicTrack asset manager;

- 7.3.1.3. As soon as practicable during its Planning/Design Phase, the Contractor shall provide to VicTrack Network Infrastructure Services (NIS) for each section of the Work's activities;
- i. Advice of its intention to undertake discovery, construction or maintenance Works in the vicinity of VicTrack Internal and External Plant;
 - ii. Detailed Works programs including timelines;
 - iii. Works details, including scale drawings and method of carrying out the Works; and
 - iv. Details of how the Contractor will protect VicTrack's assets from damage;
- 7.3.1.4. The VicTrack NIS group, with whatever assistance it may require of the Contractor, will refer to the information supplied by the Contractor for its general awareness and understanding of the Works only. The Contractor shall examine its maps and plans, designs and protocols against VicTrack's network information and plans. VicTrack shall provide such plans free of charge as part of the standard External Plant location process. However, if the Contractor requires urgent plans or a large amount of simultaneous plans from VRT, then VRT may charge the Contractor a reasonable amount. Depending on the complexity and size of the Contractor's project, VicTrack may insist on the Contractor's key design and construction staff attending a VicTrack induction workshop where the Network Protection Plan (this Specification) and relevant portions of ***TS-SP-013 Telecommunication - Installation Procedure, TS-SP 351 External Plant - Maintenance Procedure***, will be presented;
- 7.3.1.5. Based upon network plans and information provided by VicTrack, the Contractor will:
- i. Identify any crossing points and close parallel working distances to VicTrack's network within agreed Target Separations and other potentially High Risk situations;
 - ii. Attempt to "design out" crossing points and areas inside agreed Target Separations;
 - iii. Notify NIS where the Target Separations cannot be achieved and engage in consultation with NIS to agree upon appropriate work methods which may include the requirement for VicTrack personnel to be in attendance during Outage PTW's;
 - iv. Undertake associated hazard prediction and risks to VicTrack plant; such as ancillary machinery activity, vehicle movements, temporary fencing, buildings or, storage compounds, star pickets, signs, likely soil ground differential settlement or disturbance because of proposed construction, and the like. NIS must be notified of such activities for advice and resolution as appropriate;
 - v. Prepare a Network Protection Plan that will set out the procedures to be followed during the carrying out of the Works to ensure satisfactory protection of VicTrack Plant. This is also to include the protection of the alignment of underground conduits, not just visible assets. No excess trenching spoil or storage of materials is to be placed over the existing conduit alignment or within 5 metres of that alignment, without prior approval from the VicTrack Project Manager. The NPP is to be forwarded to NIS for approval prior to the commencement of any works. Collaboration with the VicTrack Network Protection Manager is advisable to ensure all items are covered and the time frame is minimised;

- vi. Apply for a Permit to Work (PTW) from the VicTrack Change Management group and receive the necessary approval to carry out the Works. The current PTW application form and information requirements can be sourced from the VicTrack Change Management Team on 03-9619 8008. Approval of a PTW application may take a minimum of ten business days for Works near existing External Plant. Where relocation of existing External Plant is required, the time depends on the complexity of the change; and
 - vii. Where necessary, apply to the relevant rail corridor ARO for permission to work on the corridor. Note that the VicTrack's approval of the PTW DOES NOT confer any rights to enter the rail corridor.
- 7.3.1.6. With Outage PTWs, NIS and the Contractor shall agree on work methods prior to the commencement of work. After agreement has been reached on work methods, the Contractor shall give NIS a minimum of 2 days advance notice in the Melbourne metropolitan area and 5 days advance notice in rural areas of its intention to commence those works;
- 7.3.1.7. The Contractor shall locate (Pothole for underground cabling), mark and protect VicTrack Plant in accordance with set and agreed procedures (see Section 6). No costs are to be borne by VicTrack in this regard;
- 7.3.1.8. VicTrack agrees to provide the Contractor with its standard level of free plan provisioning and engineering advice services as set out in accordance with VicTrack's Plant location procedure and policy. The Contractor will provide the necessary level of Industry Specialist support in the design and construction stages to ensure the observance of good engineering practice when working within the vicinity of VicTrack Plant. The Contractor is to refer to the design guidelines within TS-SP-013 when designing cable routes. VicTrack accepts that the Contractor may resource its Industry Specialist resources as it so chooses. This to be done to:
- i. Minimise the impact of the Contractor's requirements on NIS's resources; and
 - ii. Ensure that the Contractor's construction program is adequately resourced in both the design and construction stages with the appropriate level of Industry Specialist servicing such that VicTrack's network is not placed at risk.

- 7.3.1.9. Any agreed relocation of VicTrack Plant shall only take place in accordance with set and agreed procedures (see Section 9). No costs are to be borne by VicTrack in this regard and all works are to comply with the requirements of TS-SP-013 Installation and Maintenance Specification – External Plant;
- 7.3.1.10. The Contractor will exercise Due Care and all agreed precautions taken when carrying out Works near VicTrack External Plant;
- 7.3.1.11. The Contractor is required to assess and predict circumstances or problems affecting the safety and wellbeing of VicTrack plant, and consult with NIS accordingly, before construction proceeds in that vicinity;
- 7.3.1.12. The Contractor recognises that NIS may at times require or deem it necessary to brief the Contractor's staff or its agents in relation to External Plant location and construction activity near VicTrack External Plant. This may be done in the form of Cable Awareness Presentations, toolbox meetings, induction meetings, etc. This shall be undertaken at a time mutually agreed between VicTrack and the Contractor; and
- 7.3.1.13. The Contractor shall consult with NIS as soon as a design change is proposed that may affect VicTrack plant. This is to minimise the risk of damage to VicTrack plant due to ad-hoc changes

7.4. Locating VicTrack Underground External Plant

- 7.4.1. External Plant locations obtained by the use of plans, verbal information, marker posts, trench lines, electronic devices or lines between locations are Nominal Locations only and MUST NOT be treated as Confirmed Locations;
- 7.4.2. The actual location of VicTrack External Plant can only be confirmed by physical exposure of that External Plant, i.e. Potholing. VicTrack NIS reserves the right to be present at the time, offer advice, or to coordinate potholing activity near VicTrack External Plant;
- 7.4.3. The use of water lance and vacuum extraction technology (Non-Destructive Digging NDD) is the preferred method of physical exposure of VicTrack External Plant.
- 7.4.4. Should this not be possible, then **it is mandatory** the Contractor proposes an alternative method to VicTrack for approval **prior** to works being carried out.
- 7.4.5. **Please note: it is mandatory** water lance pressure must be less than 1500psi (10443kPa) to prevent damage to the marker tape and direct buried cables. Once the level is below the marker tape, the pressure can be increased if all cables are in conduit, but care must still be

taken. The water flow is to be stopped before removing the water lance to avoid damaging the marker tape;

- 7.4.6. It should be noted that, while the majority of VicTrack's buried cables are in conduit, some cables are directly buried. Also, in many cases, signalling control and power cables share the same trench;
- 7.4.7. When inside the required Target Separation distances, the Contractor is required to locate VicTrack External Plant with sufficient certainty to avoid damaging that External Plant. The External Plant location requirement needs to be ascertained by the Contractor well prior to excavating within the vicinity of VicTrack External Plant. If the marker tape trace wire is broken during the location process, it must be repaired using stainless steel 3mm wire and connected using crimp connectors suitable for underground use. Twisting the wire is not an acceptable connection method. If any other infrastructure (conduit, cable) is damaged during the location process, work is to temporarily cease and the Network Protection Manager is to be contacted via the VicTrack Call Centre on 1 800 619 111. The Network Protection Manager will ascertain what corrective measures are required at the Contractor's cost. Work cannot continue until advised by the Network Protection Manager;
- 7.4.8. Once VicTrack External Plant is located, the Contractor must ensure it is clearly marked and all necessary protective measures are to be implemented to ensure the integrity of the VicTrack External Plant during the Works. The potholes are to be left open and the Network Protection Manager contacted to arrange for on-site pothole inspections;
- 7.4.9. The Contractor must erect temporary markers to make the Plant location obvious and to act as an identifying mark for the proposed works showing where potholing has confirmed the actual location at the time;
- 7.4.10. Upon completion of the Works, the Contractor must make good permanent reinstatement for the protection of VicTrack External Plant and stabilisation of the existing network alignment. This must include reinstatement of any marker tape, marker posts or bollards that were removed or damaged during the Works activity, or otherwise and the filling in of any potholes;
- 7.4.11. Where new marker tape with trace wire is used, the trace wire must be joined with an approved compression type connector approved by the Network Protection Manager;
- 7.4.12. VicTrack NIS will attend the Works site:
 - i. At its discretion; or
 - ii. To give direction from time to time; or
 - iii. In the event that the Contractor, after undertaking all reasonable efforts, is unable to locate the VicTrack External Plant, at the Contractor's request at a fair and reasonable cost to be agreed by the parties; and
- 7.4.13. The Contractor will ensure that all supervisors, plant operators, sub-contractors, and the like, are briefed of both the actual and nominal locations of all External Plant within the vicinity prior to the commencement of any work. The Contractor accepts and acknowledges that all

accountability and responsibility needs to be taken for the actions of agents and sub-contractors in accordance with both the normal and tortious obligations of a vicarious liability employer.

7.5. Parallel Operations (Target Separations) from Underground Plant

- 7.5.1. The Contractor agrees that as a design principle, Works should be designed to avoid jeopardising or damaging existing underground External Plant;
- 7.5.2. The Contractor recognises that the location and alignment of existing underground plant can only be confirmed by exposing it (i.e. Potholing). Any other form of location is nominal only (see Section 5.4). In addition, the Contractor recognises that the alignment of existing plant may suddenly deviate for reasons that might not be obvious sometime after the plant had been installed;
- 7.5.3. In designing its Works, the Contractor will endeavour to secure the Target Separation from VicTrack External Plant. The following Target Separation from the nominal location of existing Plant must be used as a design target when planning Construction works:

Installation	Target Minimum Separation
Mechanical excavation parallel to External Plant	5 metres
NDD parallel to Plant	1 metre

7.5.4. VicTrack acknowledges, however, that this may not be achievable in all cases particularly where the Contractor is carrying out the Works in a narrow corridor;

7.5.5. When excavating parallel to the nominal or assumed line of VicTrack's network, the following potholing regime shall be followed unless written agreement is given by NIS to an alternate regime to confirm the location of the External Plant:

Approach distance	Min. pothole frequency
< 1 metre	Every 5 metres
> 1 m, but less than 2.5m	Every 10 metres
2.5m to 5m	Every 15 metres
> 5m	No potholing required
Change in cable direction	Pothole twice
If the excavation is by NDD between 1-5 metres	No potholing required provided the VicTrack asset has been electronically located.

The minimum pothole depth shall be until the cable or conduit is exposed;

In certain circumstances, e.g., where the corridor is narrow, or where the likely path of the cable is not straight, VicTrack may direct more frequent potholing;

7.5.6. The Contractor must exercise particular care at creek and river crossings and elsewhere where the line of the existing route might not be clear;

7.5.7. Where installation of the Works is to take place within the Target Separation area the Contractor shall:

- i. consult with NIS;
- ii. agree with NIS on appropriate work methods (which may include a requirement to horizontal bore some critical sections as negotiated between NIS and The Contractor or its agents); and
- iii. Before commencing work, physically locate (Pothole) and protect VicTrack Plant;

7.5.8. Pits and above ground plant, such as bollards, route marker posts and fibre terminating boxes are to be protected during the Works. Where damage might occur to these items, they are to be protected by star pickets and para-webbing to provide a 1.5m buffer around the External Plant. If a 1.5m buffer zone cannot be created, then pits are to be protected by the placement of 25mm steel plate (length minimum three metres and width minimum 2 metres). Pit protection bollards and cable marker posts are to be removed and subsequently replaced after

the Works have been completed, all at the Contractors' cost. Ongoing inspections are to be carried out by VicTrack External Plant staff to ascertain if any damage may be occurring because of heavy construction vehicles. If damage is occurring or there is a high potential of damage, then further plant protection measures must be taken to the satisfaction of the VicTrack Network Protection Manager;

- 7.5.9. In carrying out Works within the Target Separation area (1 to 5 metres), the Contractor shall exercise Due Care to avoid damage to VicTrack Plant. If works are to be carried out within 1 metre of the nominal asset location then the Contractor is to present protective measures to VicTrack for approval. The Contractor is to comply with VicTrack's requirements for that asset protection. Damage is to be prevented at all cost and in the event of any such damage occurring, the Contractor shall:
- i. immediately cease work at that location; and
 - ii. Immediately notify VicTrack Network Operations Centre on 1800 887 662;
- 7.5.10. See also Section 7.9: "Damage to existing External Plant" for a complete description of requirements following damage to VicTrack's plant;
- 7.5.11. Some of VicTrack's telecommunication cables are carried in trunking (GST) and surface ducting (GLT). In these instances the plant is easily visible making it much easier to avoid damage. In some of these instances the FOC is carried in sub-duct to provide additional protection. In carrying out Works on, or near, GST and/or GLT, the Contractor shall exercise Due Care to avoid damage to VicTrack External Plant and advise the NIS of protective measures to be put in place to protect these assets. The Contractor is also to exercise Due Care to avoid damaging the GLT and/or GST. This includes movement of the GST support posts or misalignment of the GLT sections.

7.6. Crossing of VicTrack Cables

- 7.6.1. The Contractor recognises that underground External Plant and GLT/GST may suffer damage from heavy surface loads and the Contractor will take all necessary steps to prevent exposure of underground External Plant and GLT/GST to such loads. For example, calculations would need to be undertaken by the Contractor, where machinery or other equipment might cross or impart any form of surface load to the in-situ underground plant alignment;
- 7.6.2. Where The Contractor crosses VicTrack underground External Plant, The Contractor shall:
- a. Locate the underground External Plant in accordance with Section 7 – Locating VicTrack External Plant;
 - b. Provide VicTrack NIS with a detailed specification for each point of major cable crossing conflict. The options for The Contractor in this regard are to either cross over or under the existing underground plant, the most appropriate option becoming apparent following NDD excavation, and identification of the existing underground plant. However, VicTrack's preferred option will be for The Contractor to install plant under VicTrack existing plant; and
 - c. In areas of High Risk, agree with VicTrack NIS a work method which covers;
 - i. Identification and exposure of VicTrack External Plant;
 - ii. The Contractor installation process; and

iii. Protection of VicTrack External Plant;

- 7.6.3. Whether the Contractor is crossing under or over VicTrack underground External Plant, a minimum of 100 mm vertical separation is required (unless a greater separation is required by a standard or code) between the underground External Plant and the Works unless alternative methods of protection are agreed between NIS and the Contractor well in advance. Manual Construction works are the only form acceptable in such circumstances. Back filling around the Plant must be with a suitable bedding material such as sand or stabilised sand;
- 7.6.4. In order to minimise risk of damage to existing underground VicTrack External Plant, suitable fully controlled mechanical excavation of the proposed crossing must be used between 5.0 metres and 0.5 metres from the existing (Poached) underground External Plant alignment. This excavation must be fully controlled, including using a spotter and an appropriate Industry Specialist. Under 0.5 metres, NDD must be used. Ripping, ploughing, impacting, or hammering shall not be considered as fully controlled mechanical excavation techniques and may not be used within 5.0 metres of an existing cable except as otherwise agreed upon by NIS well in advance. Excavations involving explosives are not permitted. See Figure 1;
- 7.6.5. If a Contractor is carrying out excavation works in the vicinity of GLT or GST, Due Care must be taken to avoid damaging these infrastructures. GLT and/or GST may be carrying operational HV cabling so permission is to be obtained from the relevant ARO section managing these HV cables, prior to any work being carried out. VicTrack is also to be advised if the excavation works are within 5 metres of the GLT/GST; and
- 7.6.6. If the Work involves cable installations or removals within the GLT/GST, all relevant ARO's are to be advised to gain site access and permissions to work within the GLT/GST. VicTrack is also to be advised to obtain a Hazard PTW.

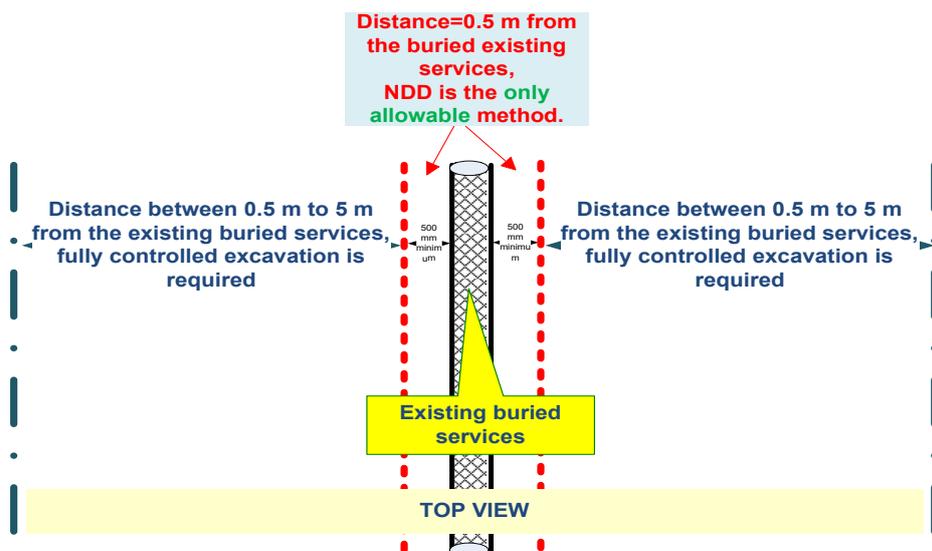


Figure 1. Excavations when crossing VicTrack buried assets

7.7. External Plant Relocation

- 7.7.1. Relocation of existing External Plant, particularly FOC, with or without a cable cutover, is a last resort to resolving cable crossing or close proximity issues and will only be considered in those cases where it is not practical for the Construction works to avoid interference with the existing External Plant without relocation, and/or it is not feasible to use an alternative route;
- 7.7.2. Relocation can only occur with the prior agreement of VicTrack's Telecommunications Fibre Design Section;
- 7.7.3. Should VicTrack NIS and the Contractor agree that the best course of action is for VicTrack External Plant to be relocated, then the following must be observed:
- i. All relocation work must be carried out so as not to cause any interruption to existing services;
 - ii. Industry Specialists are required to perform such work, and all relocations must be managed by VicTrack's NIS Group;
 - iii. Existing External Plant to be relocated must first be located and protected (see Section 7);
 - iv. All new construction works are to comply with the requirements of TS-SP-013 Telecommunication - Installation Procedure, TS-SP 351 External Plant - Maintenance Procedure,
 - v. All land access/tenure issues must be considered and addressed; and
 - vi. All costs associated with any relocation work are to be at the expense of the Contractor; no costs are to be borne by VicTrack. Recovery of costs necessarily incurred for the relocation work will be based on a fixed price quotation. Items should include, but are not restricted to, planning and supervision of the works, excavation of existing plant, alteration to depth and alignment of existing plant, provision of new underground conduits and/or GLT/GST, pits, cable hauling, cable jointing, and materials such as cable, joint enclosures and jointing chambers.

7.8. Hauling Cables in Infrastructure containing VicTrack Cables

- 7.8.1. Where the Contractor is required to haul cables in infrastructure containing VicTrack cables, irrespective of who owns the infrastructure, the following steps apply:
- a. Apply to VicTrack for permission to use the infrastructure. The application should include:
 - an accurate description of the location of the infrastructure;
 - the type and dimensions of the infrastructure;
 - the number and types of existing cables in the infrastructure;
 - the number and type of cables to be hauled;

- a work method statement; and
 - a network protection plan.
- b. VicTrack will then consider the application and may require a site inspection and / or further consultation to clarify and confirm the proposed works. The Contractor will then be advised of the approval or rejection of the application.
 - c. Undertake associated hazard prediction and risks to VicTrack plant, such as ancillary machinery activity, vehicle movements, temporary fencing, buildings or, storage compounds, star pickets, signs, likely soil ground differential settlement or disturbance because of proposed Works, and the like.
 - d. Prepare a Network Protection Plan, which will set out the procedures to be followed during the carrying out of the Works to ensure satisfactory protection of VicTrack Plant. The NPP is to be forwarded to NIS for approval prior to the commencement of any works.
 - e. Should the proposed Works be approved, the Contractor will be required to lodge a PTW with the VicTrack NOC for approval.

7.8.2. The Contractor will exercise Due Care and all agreed precautions taken when carrying out Works near VicTrack External Plant.

7.8.3. VicTrack NIS will attend the Works site:

- a. At its discretion; or
- b. To give direction from time to time.

7.9. Damage to Existing External Plant

7.9.1. Nothing in the following should be taken to presume that damage might be permissible or acceptable, nor should it be read that damage could be a reasonable outcome or expectation. It is incumbent upon the Contractor to ensure that damage does not occur.

7.9.2. In those situations where VicTrack External Plant suffers damage or suspected damage, because of the activities of the Contractor or its agents, the following procedures apply in all instances, irrespective of the apparent severity of the damage:

- a. Notification, as soon as possible, to VicTrack via the 1800 887 662 - Network Operations Centre number and the following details given:
 - i. (iv) PTW number
 - ii. (v) Location;
 - iii. (vi) Description and identity (if known) of the damaged External Plant;
 - iv. (vii) Description of the extent of the damage; and
 - v. (viii) Identity and contact details of the reporting party
- b. The Contractor staff or their agents responsible for the damage are to:
 - i. Immediately cease all activities described in the relevant PTW;
 - ii. Remain on site if possible until a representative from VicTrack, or otherwise attends the site; and

iii. If requested, provide reasonable assistance with the immediate repair treatment of the damage.

- 7.9.3. Both VicTrack and The Contractor are to carry out their respective "In House" reporting and debriefing procedures and shall participate, if requested by each other, in a joint on site meeting within 48 hours of the incident in order to analyse the full circumstances of the damage. This meeting can also provide a forum for deciding action to avoid future damage incidents. A preliminary written report (Incident Report) is to be supplied to VicTrack by The Contractor with appropriate supporting documentation within 24 hours. The final Incident Report is to be provided within 72 hours. If the incident occurs during a critical occupation where many others are relying on the Contractor to complete their work, the incident reporting process will need to be accelerated. However the Contractor cannot resume the PTW activities until VicTrack has received and accepted the Incident Report, so it is incumbent on the Contractor to manage those accelerated activities;
- 7.9.4. The written report must contain a description of the incident and the activities leading up to it. The report must also include a risk management strategy to ensure there are no further occurrences of this type;
- 7.9.5. VicTrack reserves the right to suspend the Works until the above requirements are met and VicTrack is satisfied that its External Plant will be suitably protected in future;
- 7.9.6. Under no circumstances shall The Contractor staff or their agents repair damage unless specifically authorised by VicTrack;
- 7.9.7. The Contractor must take responsibility for ensuring that the site is safe and that no further damage occurs;
- 7.9.8. The foregoing deals only with accidental damage. VicTrack retains the right to take appropriate action where damage is caused by negligence or deliberate action;
- 7.9.9. The Contractor recognises it will be charged the costs necessarily incurred by VicTrack in carrying out repairs to External Plant brought about by damage as a result of the activities of The Contractor or its agents not exercising due care or, acting in a negligent or criminal manner;
- 7.9.10. This charge shall include, but is not limited to, supervision of temporary and final repairs, repairs to or replacement of cable, jointing chamber replacement, consequent acceptance testing of repaired External Plant or suspected damaged External Plant, re-establishment of

services, business loss, and any consequential loss if repairs are not completed in a prescribed time period, etc.;

- 7.9.11. It should be noted that unplanned outages in networks can have catastrophic effects on business and costs for outage such as lost revenue and third party customer impacts, would also be recovered; and
- 7.9.12. Recovery of costs will be based on existing standard procedures presently in place with VicTrack.

7.10. Project Review and Escalation of Issues

- 7.10.1. All parties are to first attempt to resolve issues on site in a cooperative manner and in an effort to seek a reasonable and practical solution;
- 7.10.2. VicTrack employees and / or contractors will, in the first instance, refer the issue to VicTrack's project manager for interpretation and resolution with the nominated VicTrack contacts. The appropriate project manager will be nominated for specific projects. Subsequent escalation will be to the Head of Engineering and Operations; and
- 7.10.3. The Contractor is required to provide VicTrack's nominated project manager with the name and contact details of the Project Manager and / or Field Supervisor involved in carrying out the Works.

7.11. Internal and above ground telecommunications assets

- 7.11.1. Apart from underground assets VicTrack has many assets in aboveground infrastructure (aerial, GST and GLT) and internal situations such as cable terminations in racks in equipment rooms. The equipment rooms can be dedicated VicTrack equipment rooms, shared station equipment rooms, or signal equipment rooms and external signal cabinets.
- 7.11.2. Any planned works within 5 metres of these aboveground and internal assets will require a PTW to be provided and no works are to commence until VicTrack has reviewed and approved the PTW.

**UNITED ENERGY
UNDERGROUND CABLES DETAILS
ASSETS AFFECTED**

**Mr Roddy McQuade
Peter J Ramsay & Associates
222 Kings Way
South Melbourne, VIC 3205**

Sequence No: 97585773
Date of Issue: 12/05/2020
Phone: 0444549471
Mobile: Not Supplied
Fax: Not Supplied

DBYD Location: 46 Marlborough Street, Balaclava, VIC, 3183
DBYD Asset Owner Registration: [United Energy](#)

The records of United Energy indicate that Underground Cables owned or controlled by United Energy ARE present in the vicinity of the above location. Please refer to the enclosed plans referenced below and read all information and disclaimers below and on the plans, which by receipt of this letter you will be deemed to have read, understood and agreed to.

- DBYD Electricity Asset Overview 1 of 1
- SEP5-821819-2
- UE5-08-42045
- Underground Cable Legend

Note: The person/entity responsible for submitting your Dial Before You Dig (DBYD) inquiry should take care to ensure all plans listed above are received. Please contact 03 9173 6680 if you are missing any documentation.

Any information we provide is valid for 28 days from the date of issue. If the work extends beyond this period, or if the designs are altered in any way, you must re-submit your proposal to United Energy for re-assessment.

Dial Before You Dig enquiry please contact 03 9173 6680

Reporting faults and asset damage contact 132 099

Note:

1. The underground cables referred to in this advice are defined as underground cables owned or controlled by United Energy. Other utilities may have electrical assets in the vicinity of your work about which we have no information. Please also note that United Energy do not hold any plans of privately owned cables on private property.
2. Due to the age of some cables and records, it is impossible for us to conclusively ascertain the location of all cables at or around the location described in your DBYD inquiry. Accordingly, United Energy is unable to warrant or otherwise guarantee the accuracy or completeness of any information it provides and such information should not be relied upon when undertaking or proposing to undertake underground works.
3. Due to the inherent dangers associated with excavating in the vicinity of underground cables, you must ensure all reasonable precautions are taken prior to and when undertaking any such works, including the following:
 - All excavation sites should be examined visually for underground cables by careful hand excavation;
 - Cable cover slabs, if present may only be removed and replaced under the approval and supervision of an authorised United Energy representative;
 - Pay particular attention to areas surrounding Pole Type Substations, High Voltage Switches and Kiosk Substations as there are often unrecorded earth wires buried in their vicinity;
 - If any undisclosed underground cables are located, United Energy must be notified immediately;
 - All personnel involved or proposed to be involved in the underground works must be properly briefed, trained, experienced and qualified, particularly those associated with the use of earth-moving equipment, trenching, boring and pneumatic equipment;
 - All excavation must be undertaken in accordance with the Electrical Safety (Network Assets) Regulations (2009).

4. To the extent applicable at law, United Energy Distribution Pty Ltd and each of their directors, employees, officers and authorised contractors will have no liability whatsoever to any person for any claim, loss or damage (including indirect or consequential loss or damage) however caused (including, without limitation, breach of contract, tort (including negligence) and/or breach of statute) which may be suffered or incurred from or in connection with any information provided or not provided to you in response to your DBYD inquiry.
5. Except as expressly provided to the contrary in this information sheet (including any attached plans), all terms, conditions, warranties, undertakings or representations (whether expressed or implied) are excluded to the fullest extent permitted by law.

OVERHEAD AND UNDERGROUND NO GO ZONES

Are any **overhead** or **underground** power lines/cables located near your proposed work and will your equipment intrude into a NO GO ZONE? If the answer is YES to any of these questions or you are NOT SURE, visit the United Energy website > Safety > No Go Zone (<https://www.unitedenergy.com.au/safety/no-go-zones/>).

For more information on NO GO ZONE areas contact:

- Energy Safe Victoria www.esv.vic.gov.au
- WORKSAFE Victoria www.worksafe.vic.gov.au

Caution: Underground Earthing Conductors

- Underground earthing conductors are installed in the vicinity of Pole Type Substations, High Voltage Switches and Kiosk Substations. These installations consist of lengths of stranded copper conductor, either insulated or bare, connected to earth rods, all of which are buried approximately 500mm below ground level and are connected to our pole or to our substation. These lengths of conductor are usually installed directly in line with our overhead conductors but may be installed in other directions out from our pole because of the need to avoid obstacles. They may also be installed in the cable trench leading from our substation.
- **Important Notice:** It is critical that the integrity of these earthing installations be maintained to ensure the safety of all personnel who may be involved in work on or who may be in the vicinity of these poles at any time. Please attempt to prove the location of our earthing installation by excavating using hand tools. If during your works, United Energy assets are damaged, please contact 132099 and advise of the location (address of property adjacent to work site or the pole identity number attached to the pole) and the extent of the damage.

Protective Covers

As a guide, electrical cables usually have protective covers of:

- Concrete or PVC cover slabs;
- PVC, A.C. or galvanised iron pipe;
- Concrete encased PVC pipe;
- Thin plastic marker tape; and/or
- Wooden troughing.

Note: Some cables are known to be buried without protection

To assist in the identification of an underground cable, some installations have marker tape installed above the cover slab or conduit protecting the cable. You must not rely on marker tape for the existence of underground cables. Protective covers, if present may only be removed and replaced under the approval and supervision of an authorised United Energy representative.

Excavating parallel to cable/s

It is essential that you establish the location of cable/s by careful hand excavation before machinery is within 300mm either side of the cable/s. These hand dug excavations should be dug at regular intervals to prove the actual location of the cable/s. Where the excavation depth is to exceed the cable depth and the protective covers or bedding around the cable/s could be disturbed, United Energy must be contacted.

Excavating across to cable/s

It is essential that you establish the location of cable/s by careful hand excavation before machinery is within 300mm either side of the cable/s. A minimum clearance of 150mm must be maintained above and below the cable/s.

If the width or depth of the excavation is such that the cable/s may be exposed, United Energy must be contacted to determine if the cable/s should be protected, supported or taken out of service.

Boring - Where boring across the line of the cable/s is required, it is essential that you establish the location of cable/s by careful hand excavation. You must ensure a trench is dug one metre on the side of the cable/s of the approaching auger to ensure a minimum clearance of 150mm can be maintained.

Explosives – You must ensure that no explosives are used within 3 metres of a cable.

Alteration of Levels - If it is desired to increase or decrease ground levels above our cables, please contact United Energy before the project commences to seek our approval.

DBYD Base Map Legend

High Voltage Underground Cable

- 11kV location
- 12.7kV location
- 22kV location
- 22kV subtransmission location
- 6.6kV location
- 66kV location
- abandoned location
- proposed location

Drawing Coverages

- Drawing Management.Coverage - Blackspot
- Drawing Management.Coverage - DBYD Warning Letter
- Drawing Management.Coverage - Major Project
- Drawing Management.Coverage - Overhead
- Drawing Management.Coverage - Pole to Pit
- Drawing Management.Coverage - Sub T
- Drawing Management.Coverage - Superseded
- Drawing Management.Coverage - Supervisory
- Drawing Management.Coverage - Underground

Low Voltage Underground Cable

- Mains Location
- Service Location
- Street Lighting Location
- proposed location

Communications Underground Cable

- UG location - Supervisory
- UG location - Optical Fibre

Drawing Annotations

- Abc Def* Blackspot Annotation
- Abc Def* DBYD Warning Letter Annotation
- Abc Def* Major Project Annotation
- Abc Def* Overhead Annotation
- Abc Def* Pole to Pit Annotation
- Abc Def* Sub T Annotation
- Abc Def* Superseded Annotation
- Abc Def* Supervisory Annotation
- Abc Def* Underground Annotation

Pole Classifications

- Pole - lv
- Pole - lv/hv
- Pole - lv/sub-transmission
- Pole - lv/future hv
- Pole - lv/hv/future sub-transmission
- Pole - lv/hv/sub-transmission
- Pole - lv/future hv/sub-transmission
- Pole - lv/pl
- Pole - hv
- Pole - hv/future sub-transmission
- Pole - hv/sub-transmission
- Pole - future hv/sub-transmission
- Pole - pl
- Pole - stay

Miscellaneous

- Abc Def* House No Annotation
- Abc Def* small scale road name
- United Energy Distribution Boundary

12 May 2020

WorkSafe Licensing Branch
GPO Box 4293
MELBOURNE VIC 3001

Dear Sir/Madam,

Re: Authorisation for Peter J Ramsay & Associates to make a request for a Search of the Dangerous Goods License Database for Land at 46-58 Marlborough Street, Balaclava, Victoria.

I, Anthony Savenkov, give permission for Peter J Ramsay and Associates to act on my clients behalf and complete a Dangerous Goods Search with WorkSafe Victoria.

Yours Sincerely,



Anthony Savenkov, City of Port Phillip

~~Aaron Lenden~~

15 May, 2020

To: Roddy McQuade

Peter J Ramsay & Associates Pty Ltd

T: 9690 0522

SEARCH FOR CATHODIC PROTECTION DEVICES

With reference to your email of 14/05/2020, a search of the CP database has failed to identify any cathodic protection system that has been registered at the following location:

- **46-58 Marlborough Street, Balaclava**

Yours sincerely



Peter Wade

MANAGER ELECTROLYSIS MITIGATION

Disclaimer

Energy Safe Victoria provides this information in good faith, but cannot guarantee the accuracy or validate the information provided. The Cathodic Protection (CP) database is a register of currently operating Cathodic Protection systems in Victoria and was established in 1970. The CP database is administered under the Electricity Safety Act 1998 and the Electricity Safety (Cathodic Protection) Regulations 2009.

Some underground fuel tanks may not be listed in the CP database including: if the tank is not metallic (therefore not requiring CP); the tank is metallic but CP was not installed; the CP system was not registered, or the CP system has been de-commissioned.

If you believe underground tanks may be present and not shown on ESV's database you should conduct your own tests and investigations.