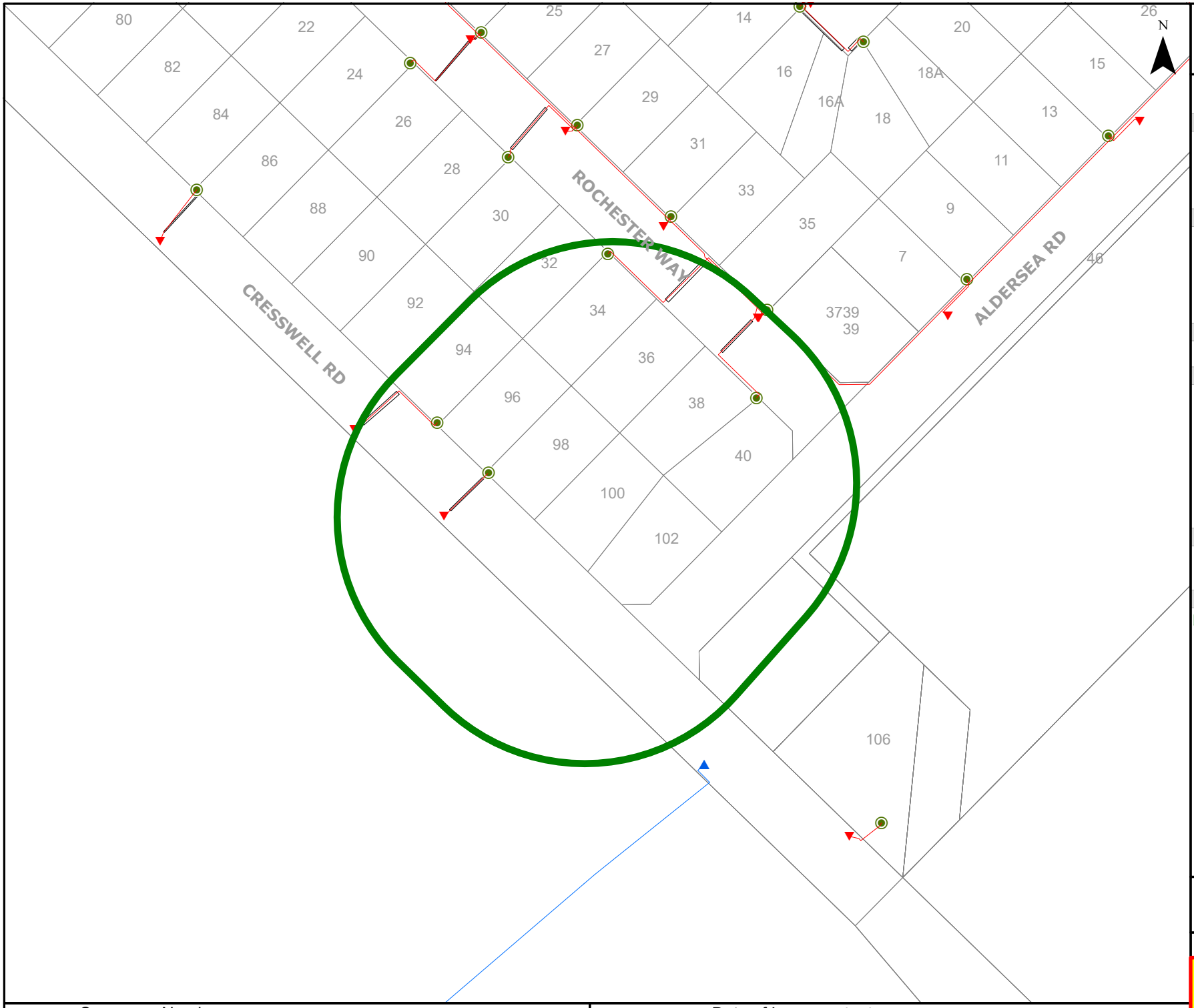


westernpower

UNDERGROUND LEGEND

Structures

- Pillar
- Metal Pole
- Transformer Site
- UG Crossing *
- Ring Main Unit
- LV Distribution Frame

Distribution Cables

- High Voltage Cable (1kV - 33kV)
- Low Voltage Cable (< 1kV)
- Street Light Circuit (< 1kV)
- Street Light Pilot (< 1kV)
- Earth Wire

Cable Pole Terminations

- HV Termination
- LV Termination

Proposed Construction Assets

- Design Area *
- High Voltage Underground Cable
- Low Voltage Underground Cable
- Metal Pole
- Pillar
- Transformer site
- HV Termination
- LV Termination

State Underground Power Project

- CURRENT Work Area *
- COMPLETED Area *

Feature

- Area of Interest

*** Please refer to coversheet**

Privately owned cables NOT SHOWN (including house services)

This map is INDICATIVE ONLY. Hand exposure via pothole method is MANDATORY.

Telephone Support: 1300 769 345
Mon to Fri - 08:00 to 16:30

Information valid for 30 days from date of issue

A4	Scale : 1:1500

WARNING! Look out for overhead power lines

Sequence Number: 229540790

Date of Issue: 12/09/2023

SYMBOLS SHEET

GAS UTILITY NETWORK

EXISTING GAS NETWORK

- Transmission Pipelines
- Distribution Pipelines
- Distribution Pipe MAOP 350kPa
- Distribution Pipe MAOP 70kPa
- Distribution Pipe MAOP 7kPa
- Not Gassed (none)
- Service Pipe

PROPOSED GAS NETWORK

- Proposed Main
- Common Trenching
- Replacement Program

ABANDONED GAS NETWORK

- Inactive / Removed Meter
- Abandoned Fitting
- Abandoned Valve
- Abandoned Gas Main
- Abandoned Fitting SOLD
- Abandoned Valve SOLD
- Abandoned Gas Main SOLD

COMPOUNDS

- Gate Station
- Pressure Reducing Station
- L.P.G. Tank
- Hydrogen Plant

VALVES

- Isolation Valves
- Service Valves

MONITORING DEVICES

- Flow Monitoring Device
- Pressure Monitoring Device

ASSOCIATED INFRASTRUCTURE

- Associated Asset

DUCTS AND SLEEVES

- Duct
- Horizontal Boring
- Sleeve
- Road Crossing
- Concrete Slabbing

REGULATOR SETS

- Regulator Set
- Boundary Regulator

DELIVERY POINTS

- Meter
- Interval Meter
- Meter Set

PIPE JUNCTIONS

- End Cap
- Expansion Joint
- Reducer
- Tee
- Transition
- Weld
- Monolithic Joint
- Stopple
- Odorizer
- Junctions

PROTECTION DEVICES

- T Test Point
- A Anode
- R Rectifier

FEATURES

FEATURE POINTS

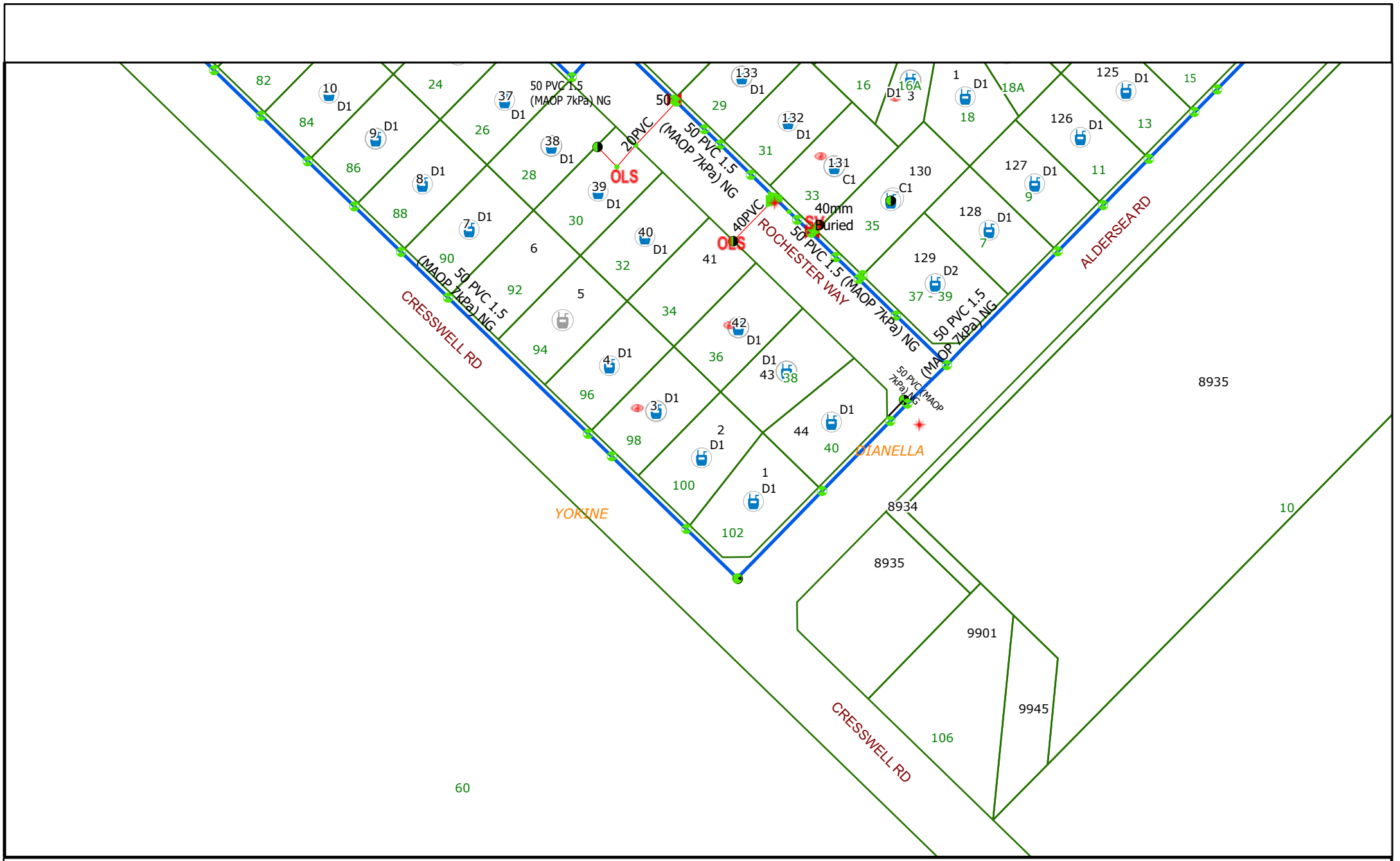
- SC Side Elevation
- Obstacle
- See Details
- NC Not Connected
- SV Gas Service
- Sign
- OLS Offline Service
- Linked Document
- PLS Pre-Laid Service
- PLSS Pre-Laid Service Stairs
- PLST Pre-Laid Service Tee
- BL Asset end on Building / Property Line
- CoD Asset ends on Direction Peg

FEATURE LINES

- Reference Line
- Gas Pit
- DOC 1.2m Arrow Pointer

FEATURE POLYGONS

- Proving Location
- Pressure Upgrade
- Not Gassed
- Suburb
- Local Government



Sequence No: 229540789 | Map Tile: 1 | Scale: 1:1500

Job No: 35033402 | Date: 12/09/2023 | Location: 100 Cresswell Road, Dianella 6059

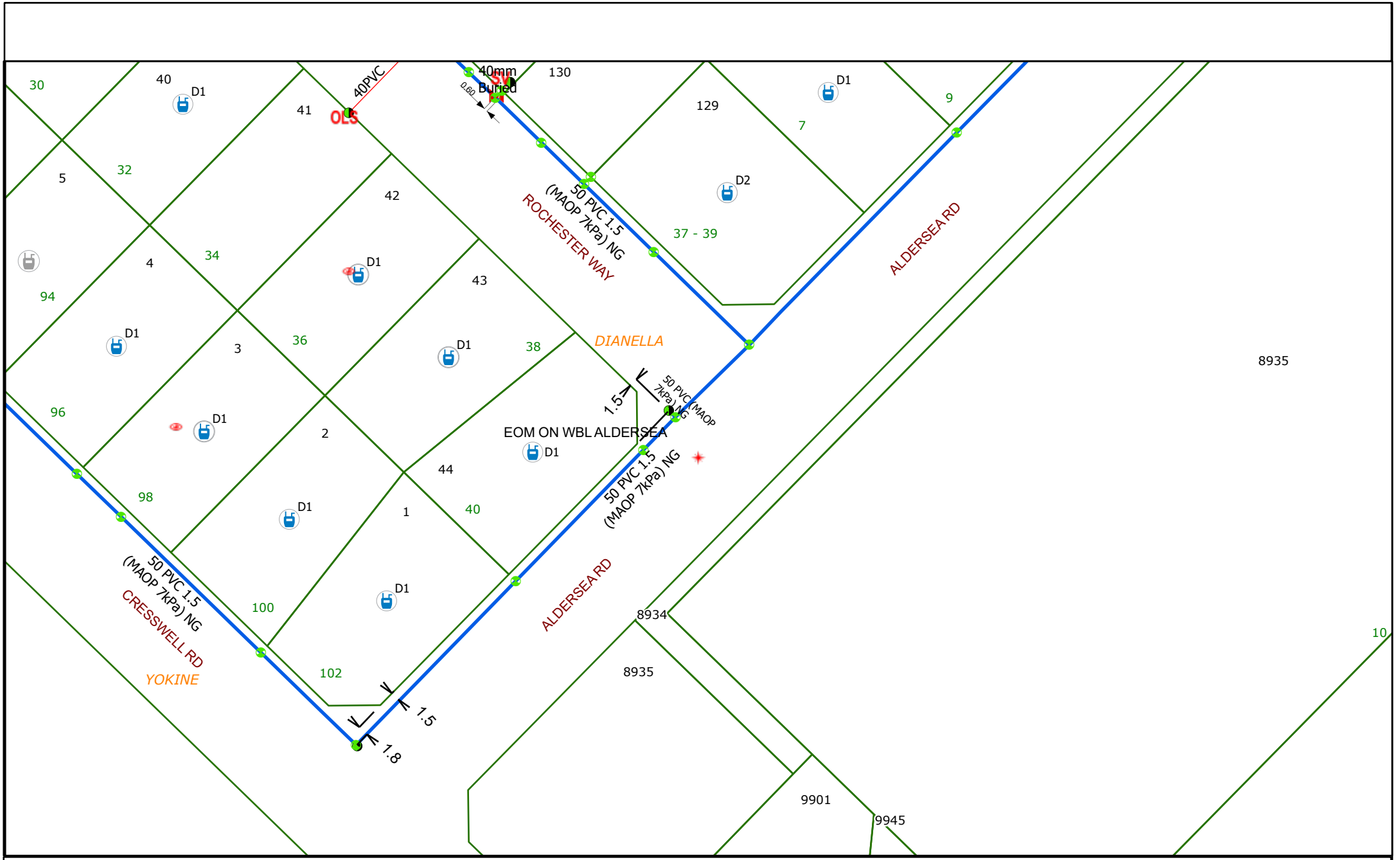
© ATCO Gas Australia Pty Ltd
ABN 90 089 531 975

N W E S

ATCO

Please read all **warnings**, conditions and information on the attached "Underground Asset Details" information sheet. This plan is issued subject to that information and those conditions and **warnings** (including, but not limited to, the "NO HOT WORKS" warning). Plans are current for only **30 days** from date of request, indicative only and not warranted to be accurate. It is your responsibility to carefully locate underground assets and follow safe work practises and procedures (eg pot-holing). ATCO Gas Australia will seek compensation for damage caused to assets.

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Sequence No: 229540789 | Map Tile: 2 | Scale: 1:800

Job No: 35033402 | Date: 12/09/2023 | Location: 100 Cresswell Road, Dianella 6059

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ABN 90 089 531 975

N W E S

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Please read all **warnings**, conditions and information on the attached "Underground Asset Details" information sheet. This plan is issued subject to that information and those conditions and **warnings** (including, but not limited to, the "NO HOT WORKS" warning). Plans are current for only **30 days** from date of request, indicative only and not warranted to be accurate. It is your responsibility to carefully locate underground assets and follow safe work practises and procedures (eg pot-holing). ATCO Gas Australia will seek compensation for damage caused to assets.

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Overview Map Only

Sequence No: 229540789
Job No: 35033402
Map Tile:
Date:12/09/2023
Scale: 1:1537
Location: 100 Cresswell Road, Dianella 6059

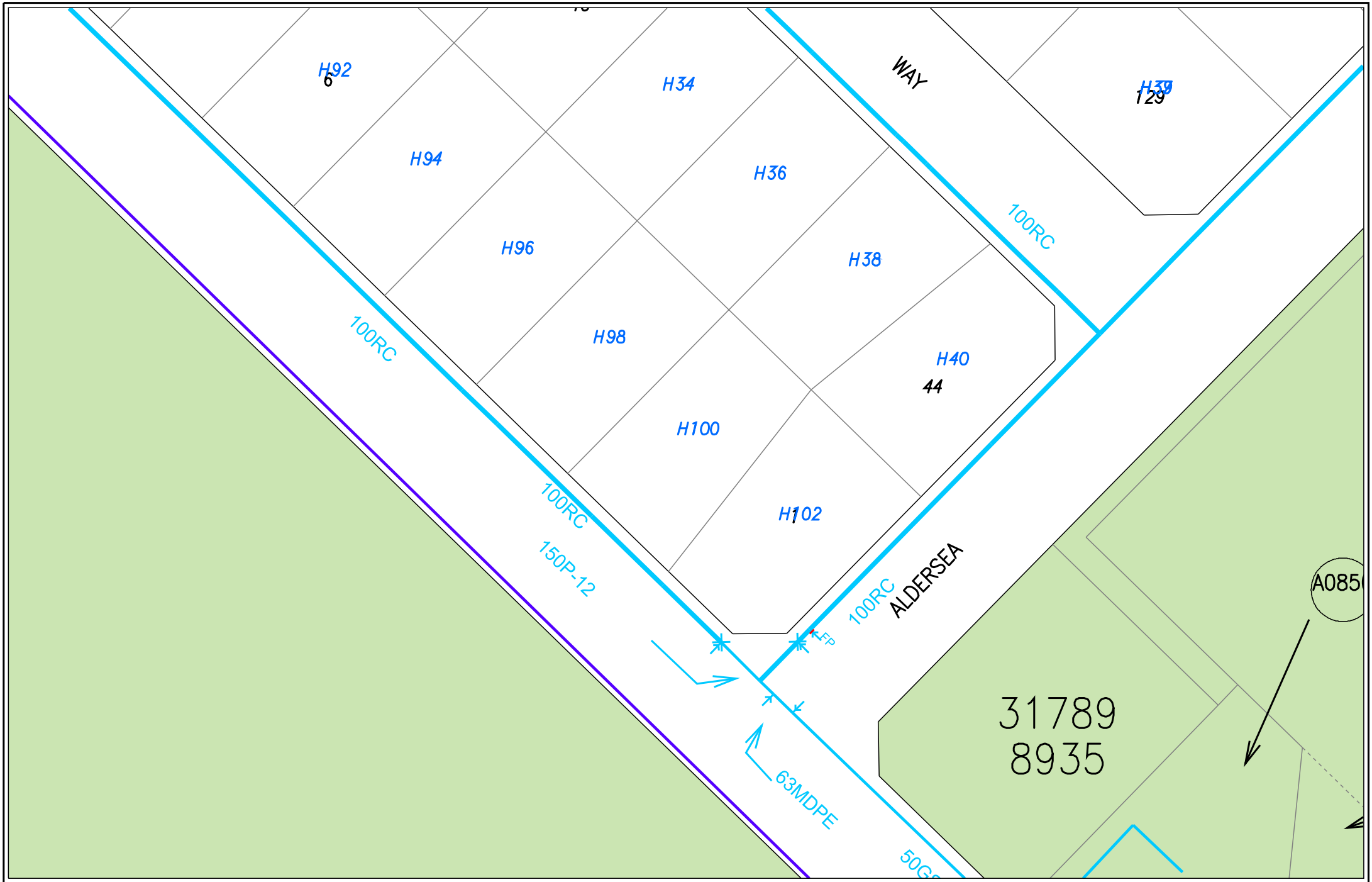
© ATCO Gas Australia Pty Ltd
ABN 90 089 531 975

N
W E
S

ATCO

Please read all **warnings**, conditions and information on the attached "Underground Asset Details" information sheet. This plan is issued subject to that information and those conditions and **warnings** (including, but not limited to, the "NO HOT WORKS" warning). Plans are current for only **30 days** from date of request, indicative only and not warranted to be accurate. It is your responsibility to carefully locate underground assets and follow safe work practises and procedures (eg pot-holing). ATCO Gas Australia will seek compensation for damage caused to assets.

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WATER CORPORATION

Scale: 1:750 Centre Point: 115.860°, -31.896°

Sequence No: 229540788

Print Date: 12/09/2023 Page: 1 of 1

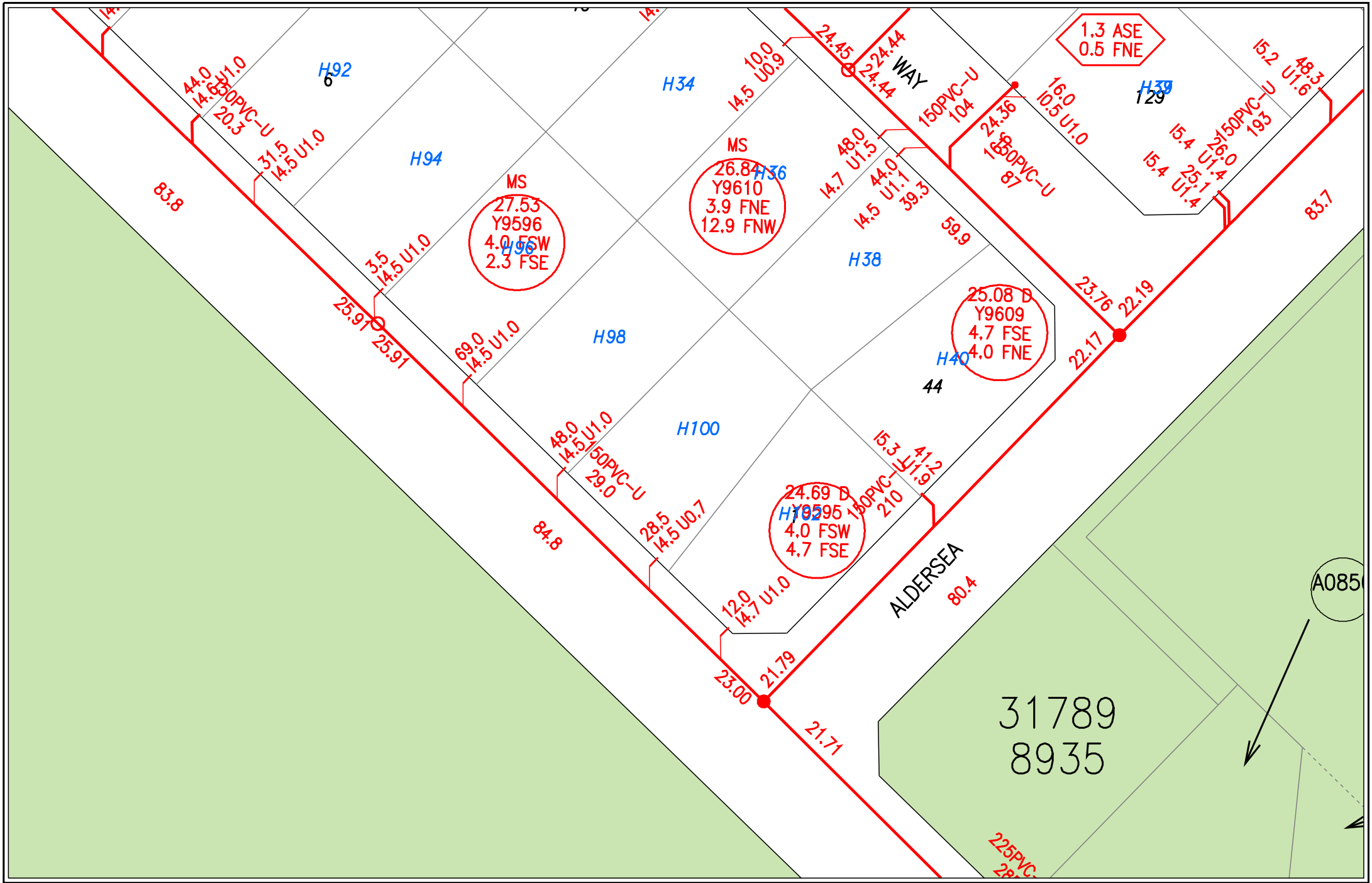
N

Water

WARNING - CRITICAL PIPELINE

Refer to *Information Brochure Damage Prevention* and *Legend* for details

The Water Corporation has taken due care in the preparation of this map but accepts no responsibility for any inaccuracies or inappropriate use. This plan may be reproduced in its entirety for the purpose of site work planning but shall not otherwise be altered or published in any form without the permission of the Water Corporation. The Water Corporation may need to be advised of any planned ground disturbing activities near facilities on this map. Refer to Brochure - "Protecting Buried Pipelines". Please report any inaccuracies to Asset Registration Team by email to asset.registration@watercorporation.com.au.



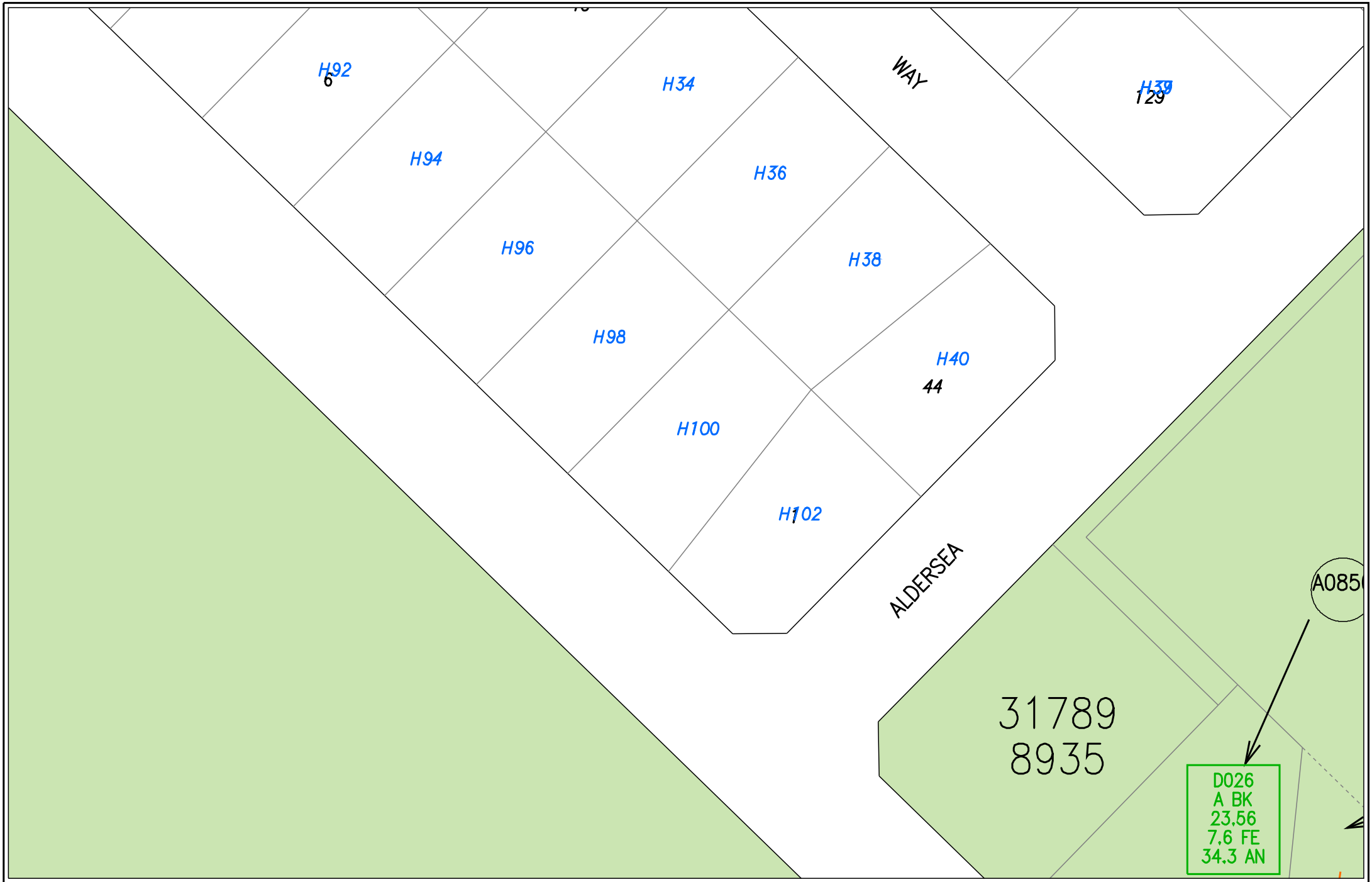
Scale: 1:750 Centre Point: 115.860°, -31.896°

Sequence No: 229540788

Print Date: 12/09/2023 Page: 1 of 1

Sewer

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WATER CORPORATION

Scale: 1:750 Centre Point: 115.860°, -31.896°

Sequence No: 229540788

Print Date: 12/09/2023 Page: 1 of 1

N

Drainage

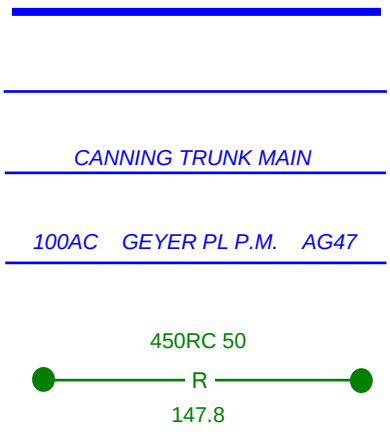
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Plan Legend (summary)
INFORMATION BROCHURE



This legend is provided to Dial Before You Dig users to assist with interpreting Water Corporation plans. A more detailed colour version can be downloaded from www.watercorporation.com.au. (Your business > Working near pipelines > Downloads)

WARNING - Plans may not show all pipes or associated equipment at a site, or their accurate location. Pothole by hand to verify asset location before using powered machinery.



WATER, SEWERAGE AND DRAINAGE PIPELINES

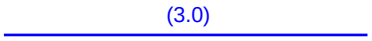
CRITICAL PIPELINE (thick line) EXTRA CAUTION REQUIRED
A risk assessment may be required if working near this pipe. Refer to your Dial Before You Dig information or call 131375.

Pipes are not always labelled on plans as shown here – assume all pipes are significant and pothole to prove location and depth.

P.M.	pressure main
M.S.	main sewer
R	rising main (i.e. drainage pressure main)

Common material abbreviations:

AC	asbestos cement e.g. 100AC NOTE: AC is brittle and is easily damaged.
CI	cast iron
GRP	glass reinforced plastic
P	PVC - class follows pipe material (e.g.100P-12)
RC	reinforced concrete
S	steel
VC	vitrified clay



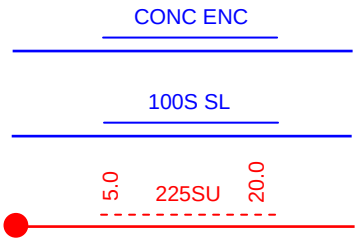
NON-STANDARD ALIGNMENT

Pipes are not always located on standard alignments due to local conditions. (i.e. Other than 2.1 m for reticulation mains and 4.5 m for distribution mains.)



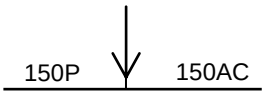
OTHER PIPE SYMBOLS

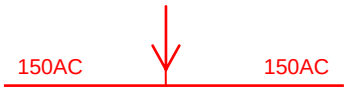
Other numbers or codes shown on pipes are not physical attributes. These are Water Corporation use only.



CONCRETE ENCASEMENT, SLEEVING AND TUNNELS

May be in different forms: steel, poured concrete, box sections, slabs.





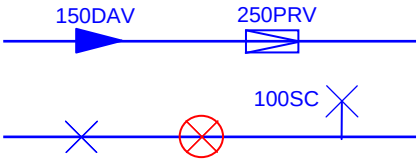
CHANGE INDICATOR ARROW

Indicates a change in pipe type or size. e.g. 150mm diameter PVC to 150mm diameter asbestos cement (AC).



PIPE OVERPASS

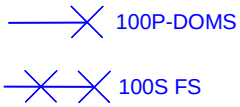
The overpass symbol indicates the shallower of the two pipes.



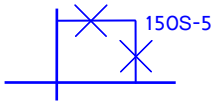
VALVES

Many different valve types are in use. Valve may be in a pit or have a visible valve cover. There may be no surface indication.

Valves may be shallower than the main or offset from it. e.g. A scour valve (SC) may have a pipe coming away from main pipeline on the opposite side to that indicated on the plan.



FIRE SERVICES
100 mm polythene domestic (DOMS) service
FS Fire service
FHS Fire hydrant service
Hydrant may be visible external to the building. Even if not visible a substantial fire service may still be present.



PIPE BYPASS
Bypass will not be on the same alignment as the main pipeline.



CATHODIC PROTECTION (CP)
Buried CP equipment may be located some distance from the pipeline being protected interconnected by buried cable. All CP fittings may not be visible.
A buried anode – various sizes and configurations
TP test point - may be visible on a post or in-ground
TR transformer rectifier



ACCESS TEE OR MANHOLE OR SERVICE ACCESS PIT
NOTE: Opening any manhole or pit is dangerous and is prohibited.
Below ground. May not be any visible signs at ground level or may be located in a pit.



WASTEWATER ACCESS CHAMBERS (MANHOLES)
-- Manhole (shown not labelled)
-- Tee or maintenance shaft (shown not labelled)
MS maintenance shaft (labelled)
WARNING: Opening any manhole or pit is dangerous and is prohibited.



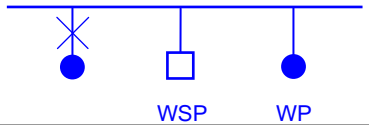
WASTEWATER MANHOLE INFORMATION BOXES
Square non-trafficable Do not drive vehicles over or place loads.
Round trafficable
In general if not located in the road treat as if non-trafficable.



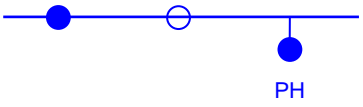
HAZARDOUS MANHOLE
Indicates a potential health hazard from risk of exposure to toxic waste.
WARNING: Opening any manhole is dangerous and is prohibited.



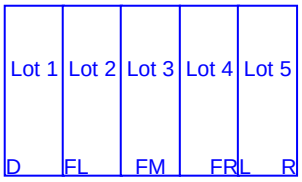
FLOWMETER
Various types of flow meters located in a pit. May be labelled with identifier. (e.g. 50 MFM, 50MM)



STANDPIPE, WATER SAMPLING POINT (WSP), WATER SUPPLY POINT (WP)
May be located adjacent to mains. Usually there will be some visible indication.



Hydrant May not be visible.
Hydrant Tee May not be visible.
Pillar hydrant Visible



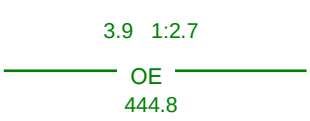
PRE-LAID SERVICES
D Deferred
FL Fully Prelaid Left
FM Fully Prelaid Front Middle
FR Fully Prelaid Right
L Left
R Right

Code indicates on which side of a lot the water service is located:

May be no visible indication at site.



SEWER OR DRAINAGE PUMP STATION
Several pipes and a pressurised main will be in the vicinity.



OPEN CHANNEL
OA Landscaped
OE Normal Open Earth
OF Open channel with flood levee
OH Half Pipe
OL Lined Channel
OS Swale-Shallow Depression
OW Natural Water Course

Drainage structures, even if dry, must be kept clear of any obstruction such as sand stockpiles.

OPENING ELECTRONIC MAP ATTACHMENTS -

Telstra Cable Plans are generated automatically in either PDF or DWF file types dependant on the site address and the size of area selected. You may need to download and install free viewing software from the internet e.g.

PDF Map Files (max size A3)

Adobe Acrobat Reader (http://get.adobe.com/reader/),

DWF Map Files (all sizes over A3)

Autodesk Viewer (Browser) (https://viewer.autodesk.com/) or

Autodesk Design Review (http://usa.autodesk.com/design-review/) for DWF files. (Windows)



Telstra BYDA map related enquiries

email - Telstra.Plans@team.telstra.com

1800 653 935 (AEST Business Hours only)



REPORT ANY DAMAGE TO THE TELSTRA NETWORK IMMEDIATELY

Report online - https://www.telstra.com.au/forms/report-damage-to-telstra-equipment

Ph: **13 22 03**

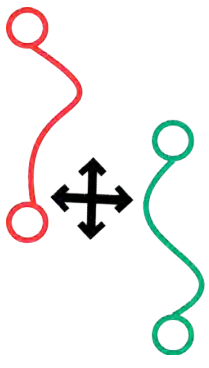
If you receive a message asking for a phone or account number say:

“I don’t have one” then say “Report Damage” then press 1 to speak to an operator.



Telstra New Connections / Disconnections

13 22 00



Telstra asset relocation enquiries: 1800 810 443 (AEST business hours only).

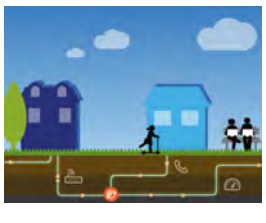
NetworkIntegrity@team.telstra.com

https://www.telstra.com.au/consumer-advice/digging-construction

Certified Locating Organisation (CLO)

https://dbydlocator.com/certified-locating-organisation/

Please refer to attached Accredited Plant Locator.pdf



Telstra Smart Communities
Information for new developments (developers, builders, homeowners)
https://www.telstra.com.au/smart-community

LEGEND

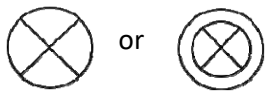
For more info contact a Certified Locating Organisation or Telstra Plan Services 1800 653 935



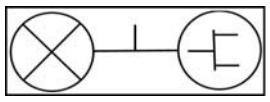
Exchange
(Major Cable Present)



Footway Access Chamber
(can vary from 1-lid to 12-lid)



Pillar / Cabinet
(above ground / free standing)



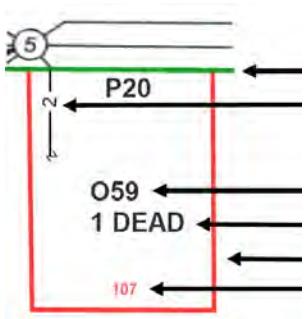
Above ground complex equipment housing (eg RIM)
Please Note: This equipment is powered by 240V Electricity

OC

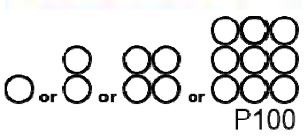
Other Carrier Telecommunications Cable/Asset

Dist
MC

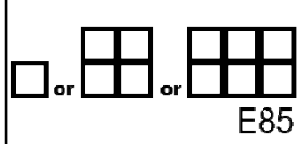
Distribution cables in Main Cable ducts
Main Cable ducts on a Distribution plan
Blocked or damaged duct.



Roadside / Front Boundary
2 pair lead-in to property from pit in street 1
pair working (pair ID 059)
1 pair dead (i.e. spare, not connected)
Side / Rear Property Boundary
Property Number



Single to multiple round conduit
Configurations 1,2,4,9 respectively
(attached text denotes conduit type and size)



Multiple square conduit
Configurations 2, 4, 6 respectively
(attached text denotes conduit type and size)



Cable Jointing Pit
(number / Letter indicating Pit Type)



Elevated Joint
(above ground joint on buried cable)



Telstra Plant in shared Utility trench



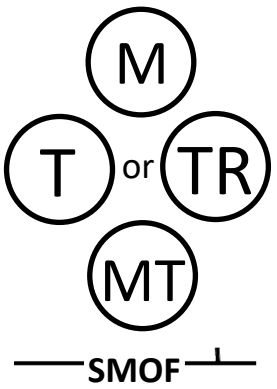
Aerial Cable / Overhead (includes on wall)



Aerial Cable
(attached to joint Use Pole eg. Power)



Direct Buried Cable



Marker Post Installed

Buried Transponder

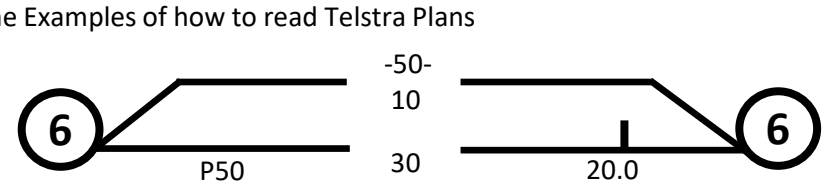
Marker Post, Transponder

Optical Fibre cable direct buried

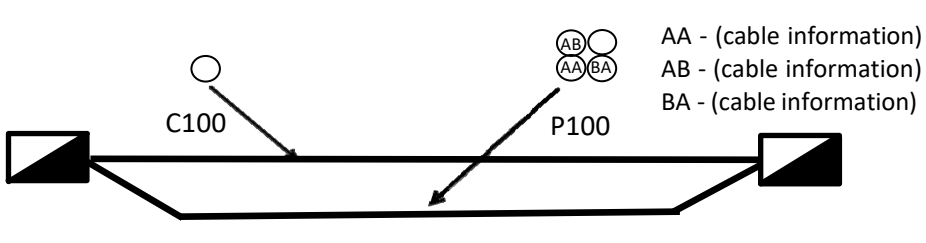
Some examples of conduit type and size:

A - Asbestos cement, P - PVC / Plastic, C - Concrete,
GI - Galanised iron, E - Earthenware
Conduit sizes *nominally* range from 20mm to 100mm
P50 50mm PVC conduit
P100 100mm PVC conduit
A100 100mm asbestos cement conduit

Some Examples of how to read Telstra Plans



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



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

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 assets are protected during construction works. The exact position of Telstra assets can only be validated by physically exposing them. Telstra will seek compensation for damages caused to its property and losses caused to Telstra and its customers.