

## Surveying Consulting Services

## Part 1 – Desktop Analysis Review for Milton Primary School

Prepared for:

(Commercial in Confidence)



|              |                                                        |
|--------------|--------------------------------------------------------|
| Project Name | SINSW Due Diligence – Milton PS                        |
| Report Title | Survey Report                                          |
| File Name    | Land Survey DD – Milton – 2565 - Astrea – DDW005391/23 |

|                  |                          |                  |                |
|------------------|--------------------------|------------------|----------------|
| School Name      | Milton Public School     | Consultancy Name | Astrea Pty Ltd |
| School ID Number | 2565                     | Report Status    | Final          |
| School Address   | 9 Thomas Street, Milton. | Report Date:     | 30.10.2023     |
| School Region    | Southern NSW             | Contract Number: | DDW005391/23   |

## Report Information

|                          |                                                                                               |
|--------------------------|-----------------------------------------------------------------------------------------------|
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| <b>Report Version</b>    | A                                                                                             |
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| <b>Project Reference</b> | A4065-Milton                                                                                  |

## Document History

| Issue Date | Status | Comment/Description | Author          | Reviewer       | Approved                                                                            |
|------------|--------|---------------------|-----------------|----------------|-------------------------------------------------------------------------------------|
| 30.10.2023 | Draft  | Initial Issue       | Scott Deveridge | Edyta Krynicka |  |
| 14.12.2023 | Final  | Final Issue         | Scott Deveridge | Edyta Krynicka |  |

## Acronyms and Definitions

| Acronym | Definition                                                               |
|---------|--------------------------------------------------------------------------|
| AHD     | Australian Height Datum                                                  |
| MGA     | Map Grid of Australia                                                    |
| BYDA    | Before You Dig Australia                                                 |
| AS5488  | Australian Standard for Classification of Subsurface Utility Information |
| PM      | Permanent Mark                                                           |
| SSM     | State Survey Mark                                                        |

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# 1 EXECUTIVE SUMMARY

Astrea was engaged to assist with the due diligence assessment of Milton Primary School. The scope of work included a desktop study, topographical survey and underground services survey.

We have collected, reviewed, and analysed all existing available site information. Land title information, survey control, and underground services have all been thoroughly searched from public records.

All information recovered has been summarised in this report and also provided within a dropbox folder. This folder also contains photographs taken on site. Appendix A of this report contains a summary of the cadastral land search.

A site detailed survey was undertaken in accordance with the scope of works contained in Part 2 of the Surveying Consulting Services brief version 1.5. The results of this survey have been summarised in this report and also in full in Appendix C and within a dropbox folder as Autocad dwg file and sheeted pdf.

The existing land, Lot 1 in DP 861814, is affected by an easement for padmount substation, an easement for underground cables, and associated restriction on use of land as shown on the survey plans. It is also subject to Reservations and conditions contained in the crown grant. The land benefits from an easement to drain water on the residential land to the east. The area of the existing site is 4.042 Ha.

As part of the topographical survey scope we search public utilities through a BYDA search. The results of that search have been summarised in Appendix B of this report.

Astrea has also undertaken subsurface utility investigations using non-invasive electromagnetic trace equipment at the proposed school site and surrounds. These services have been marked in field and subsequently surveyed to provide a utilities plan to aid in future planning and development.

The majority of utilities have been traced to QL-B specification – These traced utilities makeup the main services routes that show incoming water, electrical, gas and communication feeds to and from each building. The outgoing sewer and stormwater network has been investigated at pit interfaces and joined into the network where evidence exists.



## 2 INTRODUCTION AND BACKGROUND

### **Milton Public School:**



As instructed, we have completed a desktop analysis review, detailed site survey, and underground service detection and survey in accordance with Contract ID DDWO05391/23. We understand the purpose of the survey is to assist with the due diligence around future replacement of demountables with permanent classrooms.

The scope of work is compliant with the Surveying Consulting Services, version 1.5, dated 21.03.2022, as provided with the request for tender. Part 1 – Desktop Analysis Review and Part 2 – Detailed Site Survey formed part of this work.

There were no other site documents provided to us.

We searched and ordered public records for land title and cadastral records, permanent survey control, and BYDA records for underground services.

The survey was undertaken during September 2023.

### 2.1 Limitations

We have made every effort to collect, review and analyse all existing available site information and documentation. Within the detailed survey scope we have also made every effort to find visible services on the site and correlate with public utility records.

Some tracing/equipment limitations have been encountered within this investigation. These limitations include sewer lines that require specialised tracing equipment to determine lines/networks.

Astrea has tabled the significant information gaps within the report and recommends actions should the information be required for planning/design. These include - revisiting sections on completion of building works, CCTV pipe inspection and Non-Destructive Digging.

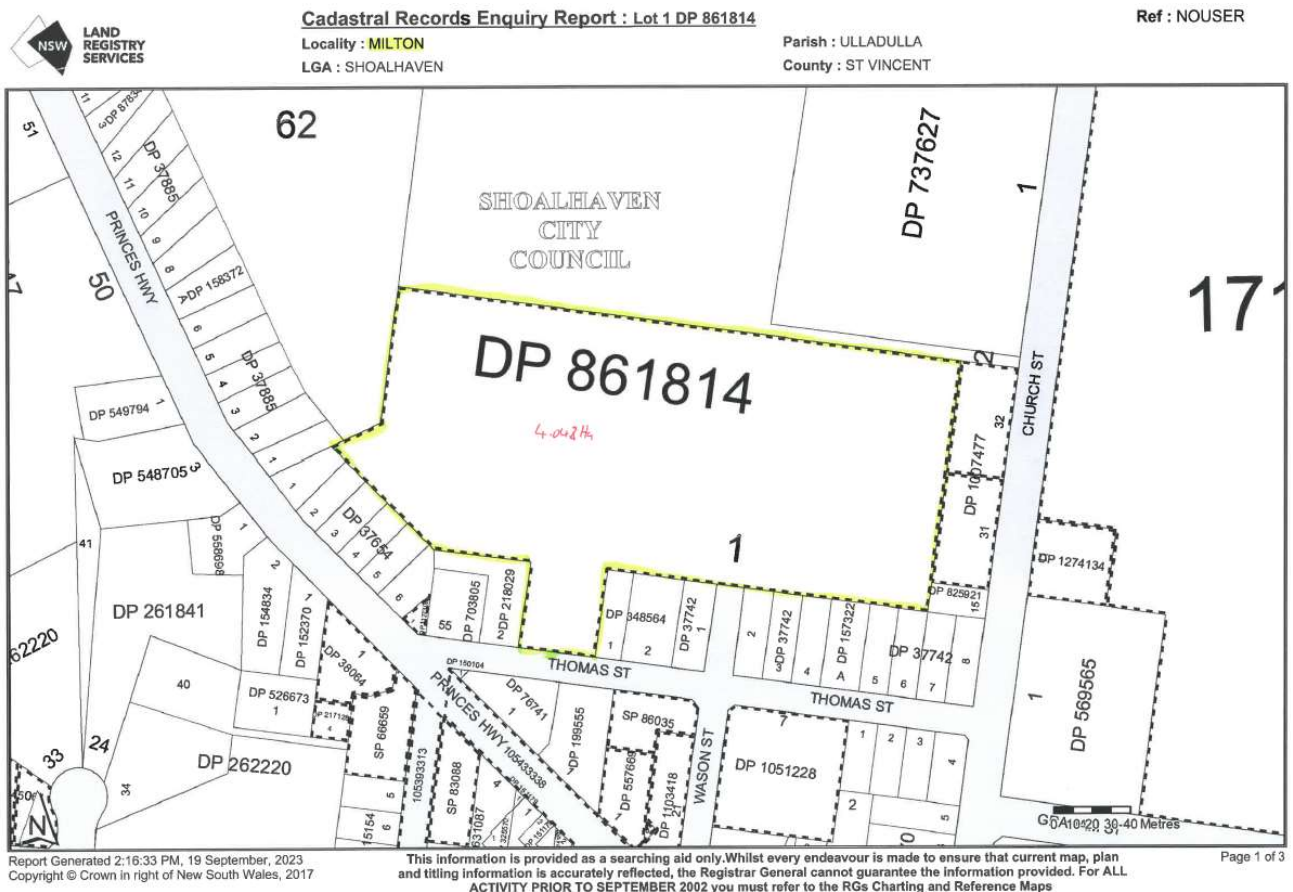
### 3 LAND SURVEY DESTOP ANALYSIS REVIEW

#### 3.1 Site Information

Milton Primary School is located at 9 Thomas Street, Milton. This is situated in the Local Government Area of Shoalhaven, Parish of Ulladulla, and County of St Vincent. The site is 4.042 ha in size and consists of land in certificate of title 1/861814.

#### 3.2 Survey Search Results

A cadastral records enquiry was undertaken and confirmed, for the address of 9 Thomas Street, Milton. The land is bound by Thomas Street, Wason Street and residential land to the south, council owned land to the north, and privately owned residential land to the east and west. The main vehicular access point is off Wason Street. The land holding is contained within certificate of title 1/861814 in the ownership of the Minister for Education and Training. The CRE report and subject plan are shown below. The following page illustrates the title diagram (DP861814) and the plan creating the affecting easements. Full Cadastral search is contained in Appendix A.







**LAND  
REGISTRY  
SERVICES**

NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

## Title Search

Information Provided Through  
Aussearch  
Ph. 02 9054 6867 Fax.

FOLIO: 1/861814

-----

| SEARCH DATE | TIME    | EDITION NO | DATE      |
|-------------|---------|------------|-----------|
| -----       | -----   | -----      | -----     |
| 19/9/2023   | 2:18 PM | 2          | 8/12/2007 |

LAND

-----

LOT 1 IN DEPOSITED PLAN 861814  
AT MILTON  
LOCAL GOVERNMENT AREA SHOALHAVEN  
PARISH OF ULLADULLA COUNTY OF ST VINCENT  
TITLE DIAGRAM DP861814

FIRST SCHEDULE

-----

MINISTER FOR EDUCATION AND TRAINING (CA58890)

SECOND SCHEDULE (5 NOTIFICATIONS)

-----

- 1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)
- 2 DP1007477 EASEMENT TO DRAIN WATER 1 METRE(S) WIDE APPURTENANT  
TO THE LAND ABOVE DESCRIBED
- 3 DP1120833 RESTRICTION(S) ON THE USE OF LAND
- 4 DP1120833 EASEMENT FOR PADMOUNT SUBSTATION 2.75 METRE(S) WIDE  
AFFECTING THE PART(S) SHOWN SO BURDENED IN DP1120833
- 5 DP1120833 EASEMENT FOR UNDERGROUND CABLES 1 METRE(S) WIDE  
AFFECTING THE PART(S) SHOWN SO BURDENED IN DP1120833

NOTATIONS

-----

UNREGISTERED DEALINGS: NIL

\*\*\* END OF SEARCH \*\*\*

The existing land, Lot 1 in DP 861814, is affected by an easement for padmount substation, an easement for underground cables, and associated restriction on use of land as shown on the survey plans. It is also subject to Reservations and conditions contained in the crown grant. The land benefits from an easement to drain water on the residential land to the east. The area of the existing site is 4.042 Ha.

These easements are shown on the site detailed survey and highlighted on the cadastral map in this report.



**Aerial Map**

DP 817607

SS 40435

DP 31885

DP 548705

DP 558698

DP 261841

DP 154834

DP 152370

DP 38064

DP 526673

DP 218029

DP 703805

SS 14194

DP 76755

DP 861814

DP 348564

DP 37742

THOMA



Search Number: 1102352

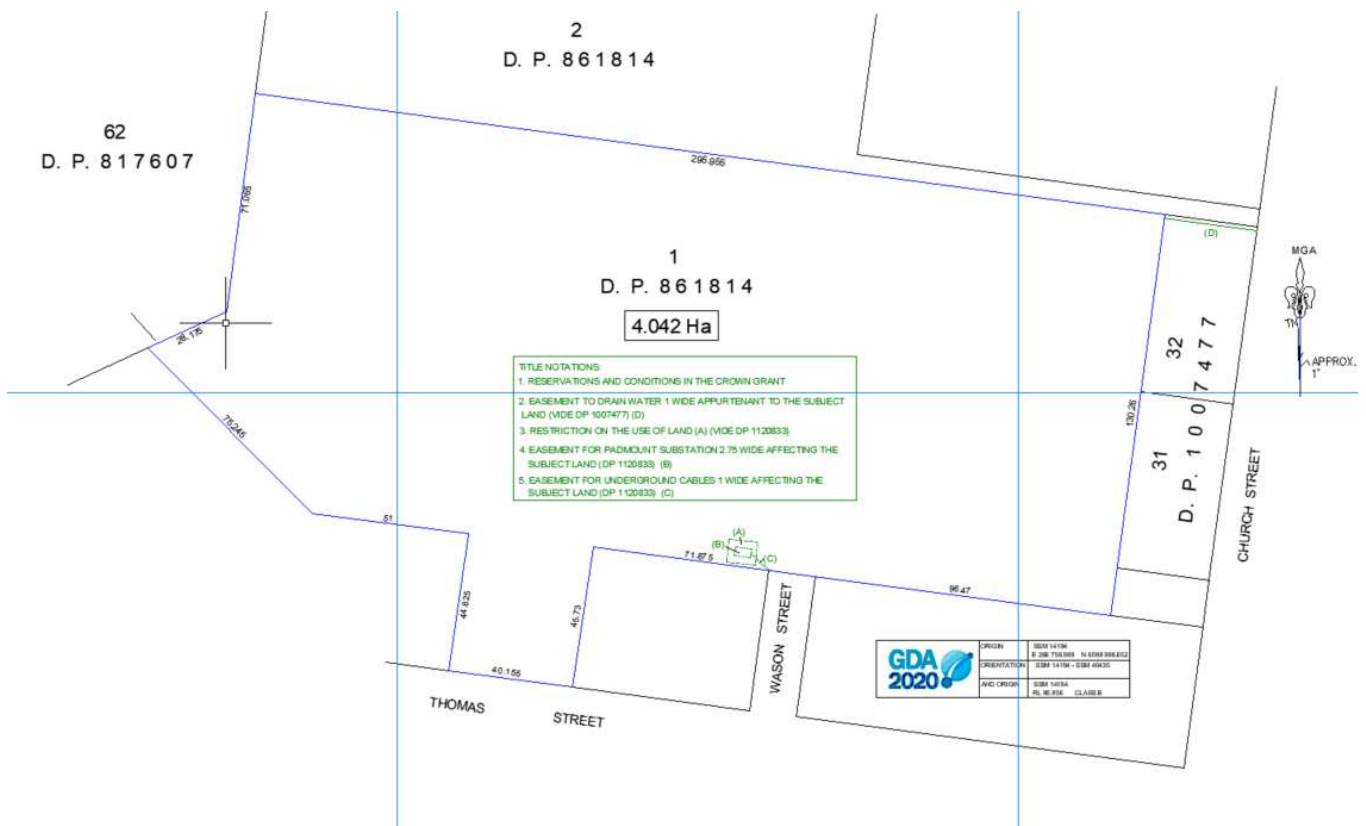
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### 3.3 Cadastral Map Search results

The site boundaries have been defined utilising reference marks found on the original plan of subdivision and more recent plans of survey surrounding the site. We are confident that title dimensions shown are available and the boundary location is suitable for this due diligence exercise. Our estimate on the overall accuracy of the resulting boundaries is +/- 50mm.

The land has frontage to Thomas Street and Wason Street. The main vehicular access is from Wason Street.

The existing land, Lot 1 in DP 861814, is affected by an easement for padmount substation, an easement for underground cables, and associated restriction on use of land as shown on the survey plans. It is also subject to Reservations and conditions contained in the crown grant. The land benefits from an easement to drain water on the residential land to the east. The area of the existing site is 4.042 Ha.





### 3.4 Topographic Survey Information results

Our approach was to collect as much data as thoroughly and quickly as possible to cause as little disruption to the school and also ensure a revisit would not be required. We utilised laser scanning for both the site and street frontage detail. Traditional surveying was done in tandem to pick up some tricky areas of terrain, service covers, painted underground services, and establish site control and the boundary survey.

#### Survey Control:

The survey control for this project was undertaken using a Leica TS16. A series of closed traverse loops were established throughout the school site as well as around the surrounding streets. State survey marks were located as part of this work. The survey has been placed on the MGA 2020 coordinate system and Australian Height Datum. The origin of marks adopted are shown on the previous page and the face of all plans. It is the responsibility of any user of this data to ensure any other data being integrated is on the same coordinate system.

#### Point Cloud Data:

As with the survey control the laser scanning of the site utilised a series of closed loops around the site buildings within the school grounds as well as a closed loop around the street frontages and perimeter of school. This ensured adequate coverage and overlap of data which is critical to an accurate registration of the overall point cloud. Furthermore, laser scan targets were placed across the site and at the street frontages. These were both acquired by the laser scanner and surveyed traditionally to gain accurate 3D coordinates for use in the final registration. Assessment of the final registration report confirmed to us that the final point cloud data sits within the stated accuracy below.

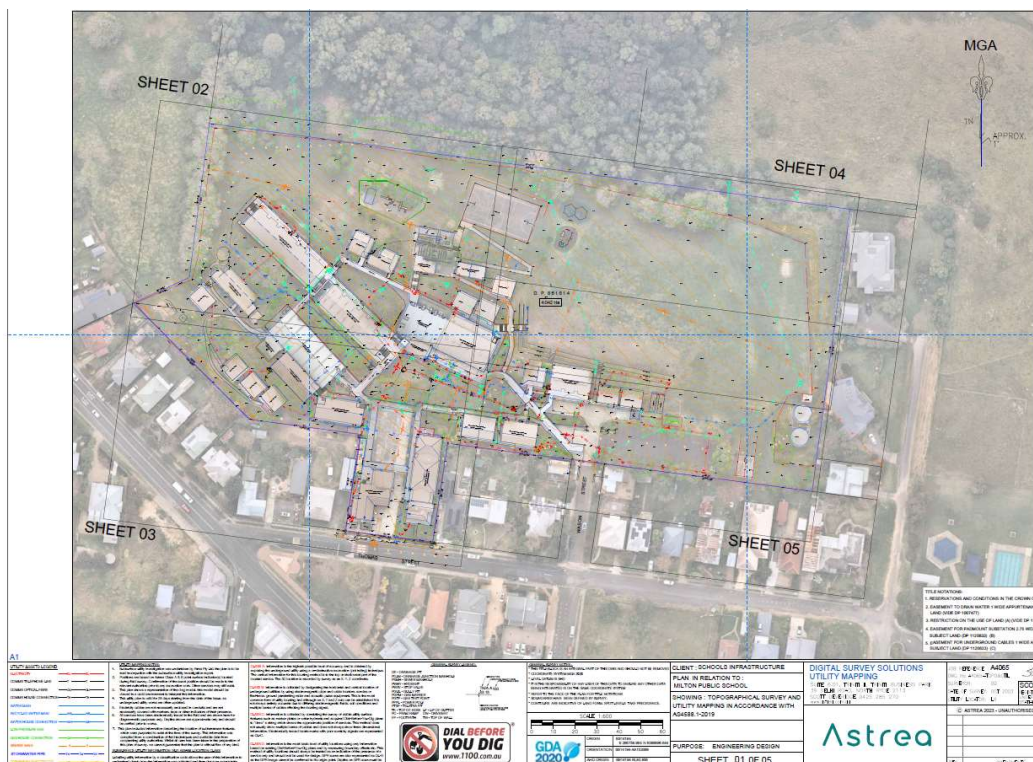
**Survey Control: +/- 5mm.**

**Extracted and Modelled Data: +/- 15-20mm**

**Registered Point Cloud Data: +/- 10-15mm**

**Site Boundaries: +/- 50mm**

The site and street frontages have been presented in 5 sheets on our final survey drawing. The first sheet being the overall site at a scale of 1:600 and the last 4 sheets at a scale of 1:200 dividing the site as shown on sheet 1 below. The full survey is contained in Appendix C.



### 3.5 BYDA Search and Underground Service Detection Results

As part of the topographical survey scope we search public utilities through a BYDA search.



**Job No 34866501**

Phone: 1100  
www.byda.com.au

#### Caller Details

**Contact:** Astrea Locator  
**Company:** Astrea  
**Address:** 32 Delhi Rd  
Macquarie Park NSW 2113  
**Caller Id:** 3005839  
**Phone:** 0476 003 705  
**Email:** dbyd@astrea.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:** Milton PS  
**Working on Behalf of:** Private  
**Enquiry Date:** 18/08/2023  
**Start Date:** 21/08/2023  
**End Date:** 21/09/2023  
**Address:** 9 Thomas Street  
Milton NSW 2538  
**Job Purpose:** Excavation  
**Onsite Activities:** Manual Excavation, Mechanical Excavation, Non-Destructive Digging  
**Location of Workplace:** Both  
**Location in Road:** Footpath, Nature Strip, Road  
**Notes/Description of Works:** Not supplied

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

#### 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.byda.com.au](http://www.byda.com.au)
- For more information on safe excavation practices, visit [www.byda.com.au](http://www.byda.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 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   |
|-----------|-------------------|----------------|----------|
| 228546319 | Endeavour Energy  | (02) 9853 4161 | NOTIFIED |
| 228546318 | NBN Co NswAct     | 1800 687 626   | NOTIFIED |
| 228546317 | Shoalhaven Water  | (02) 4429 3214 | NOTIFIED |
| 228546320 | Telstra NSW South | 1800 653 935   | NOTIFIED |

END OF UTILITIES LIST

A combined BYDA report is contained in Appendix B.



**Table 1 – AS5488-2019 summary of Quality Levels**

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Quality Level D</b> | - (least accurate level and if used on its own has a high risk of damage) QL-D information is generally obtained from existing records provided by utilities as a result of a Before You Dig enquiry being lodged. In many cases the asset depicted on the plan is in a schematic format only and intended only to indicate its presence.                                                                                                       |
| <b>Quality Level C</b> | - (low accuracy and a high risk of damage) Is described as a surface feature correlation or an interpretation of the approximate location and attributes of a subsurface utility asset using a combination of existing records and site survey of visible evidence – for example you can see the pit lids shown on the plan but the actual position of underground connection between pits is still assumed.                                    |
| <b>Quality Level B</b> | - (significant risk reduction) Provides relative subsurface feature locations in three dimensions. The minimum requirement for QL-B is relative spatial position, this can be achieved via an electromagnetic frequency locating device. An electronic location provided by a DBYD Certified Locator to QL-B standard would have a maximum horizontal tolerance of plus or minus 300mm and a maximum vertical tolerance of plus or minus 500mm. |
| <b>Quality Level A</b> | - (meets location accuracy standards for minimum risk when excavating) Is the highest Quality Level accuracy and consists of positive identification of the attribute and location of a subsurface utility at a point to an absolute spatial position in three dimensions. It is the only quality level that defines a subsurface utility as 'Validated'.                                                                                       |

## Equipment and Methodology.

Astrea DBYD accredited technicians were deployed to the school to investigate subsurface utilities pursuant with AS5488 – 2019 specification.

Field technicians have located subsurface utilities using various techniques. These can be classified into their appropriate levels (see below) depending on the method used to identify each service.

(AS5488-2019: Summary of quality levels is depicted below in (table 1).

BYD (Before You Dig) and existing site records were first reviewed to gain an understating of the infrastructure that may be present within the school. The information on record was however minimal and thus in field investigations were used as the primary method for data collection.

It is important to note the class assigned to each of subsurface utility asset as this helps to define the accuracies and confidence levels attributed to various parts of the utilities network.

Primary equipment used in the investigations consisted of the Radio Detection Electromagnetic transmitter/receiver TX10 and 8200 devices in conjunction with Mala Easy Locator Pro – Ground Penetrating Units.

## Method of Investigation:

**Water** - Revision of Sydney Water BYD plans – information of street frontages only, no information of internal network is on record.

Water services were investigated first by visual surface features and connection to physical points via electronic tracing.

The water can be separated into two systems- Domestic potable and fire services. Where conductive pipes are used in the system then these assets will be located to QL-B specification using EM methods.

**Electrical** – Revision of Ausgrid electrical plans. – information on street frontages to substation only.

Electrical lines area generally conductive and traced via means of EM induction. Physical features such as light poles have been connected to and traced via EM. Where electrical pits are present onsite then cables have been traced via EM induction clamping.

**Communication** – Revision of Telstra, NBN and Optus plans – Limited internal information.

Communication network is generally investigated via accessing of service pits via EM induction clam method. Where services are nonconductive then conduits have been traced via inserting conductive traces rods into the conduits with subsequent EM trace.

**Sewer** - Sydney Water BYD plans – information on street frontages only, internal information is limited. Existing as built plans available that show the main network existing within the school grounds.

The sewer network is investigated at the pit interface where the depth, size direction and material of pipes are measured to quality level A specification. These measurements are review against the BYD and as-built information whereby connection between manholes points can be established.

**Stormwater** – No stormwater BYD were available. No as built available.

Stormwater pits were investigated at the pit interface where depth, size direction and pipe material were recorded to quality level A. Pits were joined in the network via sonic testing. Where this was not possible then a conductive trace rod and sonde was inserted and subsequently traced via EM.

**Unknown Pipes** – A variety of random scans are carried out of the duration of the works. This is achieved by using both EM and GRR to scan areas to identify anomalies that present in linear arrangements. Once anomalies are identified via these methods technicians attempt to traditional trace and identify source points. When these features cannot be identified then they are marked as unknow pipe on the plan.



## Key Utility Infrastructure Features:

| Asset: |                                                                                     | Description                                                                                                           |
|--------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
|        |    | Sewer Discharge Pit-<br>Located on the main sports oval                                                               |
|        |    | Water Meter/ Fire Hydrant Booster.<br><br>Located at the main entry gate off Thomas St                                |
|        |   | Sewer Discharge Pit.<br><br>Sewer discharge pits (Southern Buildings)<br>Located at main school entrance on Thomas St |
|        |  | Comms Main Feeder Pit.<br><br>Located at the secondary driveway entrance of Thomas St.                                |
|        |  | Comms Main Feeder Pit.<br><br>Located at the main entry gate                                                          |

|  |                                                                                     |  |                                                                                                                                  |
|--|-------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------|
|  |    |  | <p><i>LPG Storage Tank –<br/>Located adjacent to the<br/>staff carpark and sports<br/>field.</i></p>                             |
|  |   |  | <p><i>Fire Booster Tank –<br/>South Eastern CNR of<br/>the sports oval.</i></p>                                                  |
|  |  |  | <p><i>Endeavour Energy<br/>Electrical<br/>substation/Transformer</i></p> <p><i>Located adjacent to the<br/>staff carpark</i></p> |

|  |                                                                                     |  |                                                                                                 |
|--|-------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------|
|  |  |  | <p><i>Stormwater discharge<br/>Point</i></p> <p><i>Located on the<br/>Northern boundary</i></p> |
|--|-------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------|

### Pipe blockages/Pit Obstructions –

Where possible, Astrea endeavours to show a completed stormwater/sewer network.

There are some instances onsite where a pipe network could not be determined due to features blocked pipes, pits full of debris/Water, buried pits or junction chambers or non-present junction chambers. See (image 2) below.



*Image 2 – SW Pit 45, unable to visually inspect and measure pipes. Pit is full of water and has sealed plumbing features below the water line*

In these instances, technicians have made best effort to assume the line of these services and the network in which they discharge into. The quality level of pipes should be noted in these scenarios.

Astrea can make recommendations on alternative methods such as CCTV or cleaning of pits that may assist in confirming these networks.



(UTO) unable to open – Where possible technicians open pits using best industry practice however in some instances there were pits that cannot be opened without specialised mechanical lifting or casing unnecessary damage to existing areas. (Image 3) below is an example pit that could not be opened during routine investigations.



*Image 3 – SW32, Stormwater pit cover that cannot be manually lifted by a two-person team 300kg +. The lip fitting prevents the lid from being able to slide off for inspection- mechanical lift required for inspection.*



*Image 5 – Sewer Rising Main pit locked –Licenced Plumber to provide access if internal information is required.*

## Asset Register – Trace Limitations

| Item                        | Limitation                                                                                                                | Comment                                                                                                                                         | Recommendation                                                                    |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Shoalhaven Water Sewer Main | Missing Pits                                                                                                              | Some pits represented on the Shoalhaven water plans could not be identified in the field                                                        | CCTV line to establish if pits are in fact present                                |
| Pressure Sewer              | Sewer in demountable toilet – Non traceable                                                                               | Sewer lines are sealed and under pressure in nonconductive materials                                                                            | Engage a plumber to disconnect pipe work to trace                                 |
| SEW05                       | Pit Full of water- sewer plumbing features sealed – Outgoing sewer line has been represented as class D                   | No pipe features are visible within the water, PVC standpipe does not have inspection points                                                    | Pump Water, engage plumber to open pipe work if information is required.          |
| SEW06                       | Pit has sealed IO covers, Confined space – outgoing sewer lines have been connected via sonic testing. Class C trace only | Sealed inspection points are located at the bottom of a sewer chamber- this required a confined space entry setup to open and remove caps       | Confined space entry and or engage plumber                                        |
| SEW04                       | Pit has sealed IO covers, Confined space – outgoing sewer lines have been represented as class D only.                    | Sealed inspection points are located at the bottom of a sewer chamber- this required a confined space entry setup to open and remove caps       | Confined space entry and or engage plumber                                        |
| SW40                        | UTO – Heavy Lift incoming and outgoing pipes have been traced to quality level C only                                     | Extremely heavy concrete lid could not be manually removed                                                                                      | Hydraulic/mechanical lift required to remove pit lid.                             |
| Fire Hydrant                | No trace on some fire hydrant lines                                                                                       | It is suspected that fire hydrant lines are made of non-conductive PVC or Poly materials and unable to be traced via electromagnetic techniques | Non-destructive digging investigations should additional information be required. |

### Recommendations:

Where possible Astrea has aimed to achieve Quality level B data. It is recommended that NDD be carried out over areas of concern so that the highest level of data (Quality level A) be achieved.

Where services routes cannot be determined due to lack of traceable signal then it is recommended that Non-Destructive Digging be utilised to help define routes.

Where localised plumbing features are required to be traced it is recommended that push camera CCTV be utilised to help identify alignments. Camera footage can help identify obstructions sometimes attributed to plumbing features (boundary traps U bends etc.) which could not otherwise be determined with traditional EM tracing.

## 4 RECOMMENDATION AND CONCLUSION

In relation to the site detail and level survey .....

In relation to underground services we have made every attempt to find all information on public record.

Where possible Astrea has aimed to achieve Quality level B data. It is recommended that NDD be carried out over areas of concern so that the highest level of data (Quality level A) be achieved.

Where services routes cannot be determined due to lack of traceable signal then it is recommended that Non-Destructive Digging be utilised to help define routes.

Where localised plumbing features are required to be traced it is recommended that push Camera CCTV be utilised to help identify alignments. Camera footage can help identify obstructions sometimes attributed to plumbing features (boundary traps U bends etc.) which could not otherwise be determined with traditional EM tracing.

Appendix A of this report contains all Cadastral search documents purchased and utilised as part of this report.

Appendix B contains all relevant documents ordered via the BYDA search.

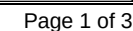
Appendix C contains the sheeted detailed site survey.

Appendix D contains the underground service locators field report.



## Appendix A. Cadastral Search Documents.

**County : ST VINCENT**



|                                                                                                               | Status       | Surv/Comp   | Purpose                   |
|---------------------------------------------------------------------------------------------------------------|--------------|-------------|---------------------------|
| DP38064<br>Lot(s): 1                                                                                          |              |             |                           |
|  DP1021919                   | REGISTERED   | SURVEY      | EASEMENT                  |
| DP217128<br>Lot(s): 4                                                                                         |              |             |                           |
|  DP1021919                   | REGISTERED   | SURVEY      | EASEMENT                  |
| DP557669<br>Lot(s): 1, 3                                                                                      |              |             |                           |
|  DP1103418                   | REGISTERED   | SURVEY      | SUBDIVISION               |
| DP861814<br>Lot(s): 1                                                                                         |              |             |                           |
|  DP1007477                   | REGISTERED   | SURVEY      | SUBDIVISION               |
|  DP1120833                   | REGISTERED   | SURVEY      | EASEMENT                  |
| DP1007477<br>Lot(s): 31, 32                                                                                   |              |             |                           |
|  DP861814                    | HISTORICAL   | SURVEY      | SUBDIVISION               |
| DP1051228<br>Lot(s): 7                                                                                        |              |             |                           |
|  DP231561                    | HISTORICAL   | SURVEY      | SUBDIVISION               |
|  DP789217                    | HISTORICAL   | SURVEY      | SUBDIVISION               |
| DP1103418<br>Lot(s): 21                                                                                       |              |             |                           |
|  DP157040                    | HISTORICAL   | SURVEY      | UNRESEARCHED              |
|  DP736295                    | HISTORICAL   | COMPILATION | DEPARTMENTAL              |
|  SP86035                     | REGISTERED   | COMPILATION | STRATA PLAN               |
| DP1127308<br>Lot(s): 1                                                                                        |              |             |                           |
|  CA111131 - LOT 1 DP1127308 |              |             |                           |
| DP1145061<br>Lot(s): 1, 2                                                                                     |              |             |                           |
|  DP262220                  | HISTORICAL   | SURVEY      | SUBDIVISION               |
| DP1274134<br>Lot(s): 11                                                                                       |              |             |                           |
|  DP192832                  | HISTORICAL   | COMPILATION | UNRESEARCHED              |
|  DP737627                  | HISTORICAL   | COMPILATION | DEPARTMENTAL              |
| DP1290102<br>Lot(s): 171                                                                                      |              |             |                           |
|  DP192832                  | HISTORICAL   | COMPILATION | UNRESEARCHED              |
|  DP737627                  | HISTORICAL   | COMPILATION | DEPARTMENTAL              |
|  DP1274134                 | HISTORICAL   | SURVEY      | SUBDIVISION               |
| SP66659                                                                                                       |              |             |                           |
|  DP220065                  | HISTORICAL   | SURVEY      | OLD SYSTEM CONVERSION     |
|  DP515154                  | HISTORICAL   | SURVEY      | OLD SYSTEM CONVERSION     |
|  DP1013722                 | HISTORICAL   | COMPILATION | CONSOLIDATION             |
|  SP76002                   | REGISTERED   | COMPILATION | STRATA SUBDIVISION PLAN   |
| SP83088                                                                                                       |              |             |                           |
|  DP234135                  | HISTORICAL   | SURVEY      | SUBDIVISION               |
|  DP1129108                 | HISTORICAL   | SURVEY      | REDEFINITION              |
|  SP84619                   | REGISTERED   | COMPILATION | STRATA CONSOLIDATION PLAN |
|  SP106755                  | UNREGISTERED | COMPILATION | STRATA SUBDIVISION PLAN   |
| SP86035                                                                                                       |              |             |                           |
|  DP557669                  | HISTORICAL   | SURVEY      | OLD SYSTEM CONVERSION     |
|  DP736295                  | HISTORICAL   | COMPILATION | DEPARTMENTAL              |
|  DP1103418                 | HISTORICAL   | SURVEY      | SUBDIVISION               |
|  SP86036                   | REGISTERED   | COMPILATION | STRATA SUBDIVISION PLAN   |
| Road<br>Polygon Id(s): 105393313, 105433338                                                                   |              |             |                           |
|  EX-SUR 68/01 DP978250     |              |             |                           |

**Caution:** This information is provided as a searching aid only. Whilst every endeavour is made to ensure that current map, plan and titling information is accurately reflected, the Registrar General cannot guarantee the information provided. For **ALL** **ACTIVITY PRIOR TO SEPTEMBER 2002** you must refer to the RGs Charting and Reference Maps.



| Plan      | Surv/Comp   | Purpose                |
|-----------|-------------|------------------------|
| DP23970   | SURVEY      | UNRESEARCHED           |
| DP37654   | SURVEY      | UNRESEARCHED           |
| DP37742   | SURVEY      | UNRESEARCHED           |
| DP37885   | SURVEY      | UNRESEARCHED           |
| DP38064   | SURVEY      | UNRESEARCHED           |
| DP76741   | SURVEY      | UNRESEARCHED           |
| DP150104  | COMPILATION | UNRESEARCHED           |
| DP151179  | COMPILATION | UNRESEARCHED           |
| DP152370  | SURVEY      | UNRESEARCHED           |
| DP154834  | SURVEY      | UNRESEARCHED           |
| DP157322  | COMPILATION | UNRESEARCHED           |
| DP158372  | COMPILATION | UNRESEARCHED           |
| DP199555  | COMPILATION | DEPARTMENTAL           |
| DP217128  | SURVEY      | SUBDIVISION            |
| DP218029  | SURVEY      | SUBDIVISION            |
| DP261841  | SURVEY      | SUBDIVISION            |
| DP262220  | SURVEY      | SUBDIVISION            |
| DP325570  | SURVEY      | UNRESEARCHED           |
| DP348564  | COMPILATION | UNRESEARCHED           |
| DP514129  | SURVEY      | SUBDIVISION            |
| DP515154  | SURVEY      | OLD SYSTEM CONVERSION  |
| DP526673  | SURVEY      | SUBDIVISION            |
| DP548705  | SURVEY      | SUBDIVISION            |
| DP549794  | SURVEY      | SUBDIVISION            |
| DP557669  | SURVEY      | OLD SYSTEM CONVERSION  |
| DP558698  | SURVEY      | SUBDIVISION            |
| DP569565  | SURVEY      | SUBDIVISION            |
| DP624847  | COMPILATION | SUBDIVISION            |
| DP631087  | SURVEY      | SUBDIVISION            |
| DP703805  | SURVEY      | OLD SYSTEM CONVERSION  |
| DP736273  | COMPILATION | DEPARTMENTAL           |
| DP737627  | COMPILATION | DEPARTMENTAL           |
| DP789217  | SURVEY      | SUBDIVISION            |
| DP817607  | SURVEY      | SUBDIVISION            |
| DP825921  | SURVEY      | DELIMITATION           |
| DP861814  | SURVEY      | SUBDIVISION            |
| DP872508  | SURVEY      | SUBDIVISION            |
| DP878340  | SURVEY      | SUBDIVISION            |
| DP1007477 | SURVEY      | SUBDIVISION            |
| DP1051228 | COMPILATION | CONSOLIDATION          |
| DP1103418 | SURVEY      | SUBDIVISION            |
| DP1127308 | COMPILATION | LIMITED FOLIO CREATION |
| DP1145061 | SURVEY      | SUBDIVISION            |
| DP1274134 | SURVEY      | SUBDIVISION            |
| DP1290102 | SURVEY      | SUBDIVISION            |
| SP66659   | COMPILATION | STRATA PLAN            |
| SP83088   | COMPILATION | STRATA PLAN            |
| SP86035   | COMPILATION | STRATA PLAN            |

**Caution:** This information is provided as a searching aid only. Whilst every endeavour is made to ensure that current map, plan and titling information is accurately reflected, the Registrar General cannot guarantee the information provided. For **ALL**

**ACTIVITY PRIOR TO SEPTEMBER 2002** you must refer to the RGs Charting and Reference Maps.



FOLIO: 1/861814

-----

| SEARCH DATE | TIME    | EDITION NO | DATE      |
|-------------|---------|------------|-----------|
| -----       | ----    | -----      | ----      |
| 19/9/2023   | 2:18 PM | 2          | 8/12/2007 |

LAND

----

LOT 1 IN DEPOSITED PLAN 861814  
AT MILTON  
LOCAL GOVERNMENT AREA SHOALHAVEN  
PARISH OF ULLADULLA COUNTY OF ST VINCENT  
TITLE DIAGRAM DP861814

FIRST SCHEDULE

-----

MINISTER FOR EDUCATION AND TRAINING (CA58890)

SECOND SCHEDULE (5 NOTIFICATIONS)

-----

- 1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)
- 2 DP1007477 EASEMENT TO DRAIN WATER 1 METRE(S) WIDE APPURTENANT  
TO THE LAND ABOVE DESCRIBED
- 3 DP1120833 RESTRICTION(S) ON THE USE OF LAND
- 4 DP1120833 EASEMENT FOR PADMOUNT SUBSTATION 2.75 METRE(S) WIDE  
AFFECTING THE PART(S) SHOWN SO BURDENED IN DP1120833
- 5 DP1120833 EASEMENT FOR UNDERGROUND CABLES 1 METRE(S) WIDE  
AFFECTING THE PART(S) SHOWN SO BURDENED IN DP1120833

NOTATIONS

-----

UNREGISTERED DEALINGS: NIL

\*\*\* END OF SEARCH \*\*\*

milton

PRINTED ON 19/9/2023

SIGNATURE AND SEALS ONLY.

1. I, Mr. J. H. R. as delegate  
Minister for Education and Youth  
Pursuant to Section 45 of the  
Land Management Act, 1980  
do hereby certify that the  
plan is a true and correct  
copy of the original plan  
as submitted to the Registrar  
of Land.

Plan Drawing only to appear in this space

OFFICE USE ONLY  
DP 861814Registered: 26.8.1996  
CA. N. 26.10.1996 OF 31.7.1996.Title System: TORRENS & OLD  
SYSTEM

Purpose: SUBDIVISION

Ref. Map: W 4687 - 44\*

Last Plan: DP 157322, DP 145437

PLAN OF SUBDIVISION OF  
LOT 1 D.P. 745437 &  
LOT 2 D.P. 157322.

Lengths are in meters. Reduction Ratio 1: 1500

L.S.A. SHALHAVEN

Locality: MILTON

Parish: ULLADULLA

County: ST VINCENT

That is sheet 1 of my plan in sheets

I, GRAHAM ALAN BRASLEY  
of P. W. RYDGE & WEST, ULLADULLA  
a surveyor registered under the Surveyors Act, 1989, as  
amended, hereby certify that the survey represented in this  
plan is accurate and has been made in accordance with the Survey  
Practice Regulation 1980 and any special requirements of the  
Department of Land Management.

Signed: 30 MAY 1993

Signature: [Signature]

Surveyor registered under Surveyors Act, 1989 as amended

Sheweth date of survey: X

Plans used in preparation of survey/compilation:

D.P. 32970 D.P. 37554 D.P. 37742

D.P. 37805 D.P. 157322 D.P. 192832

D.P. 218029 D.P. 231561 D.P. 348564

D.P. 569565 D.P. 603944 D.P. 703805

D.P. 737627 D.P. 745437 D.P. 771 001

D.P. 817507 D.P. 825921

PANEL FOR USE ONLY for statements of intention  
to dedicate public roads, to create public reserves,  
drainage reserves, easements, restrictions on the  
use of land or positive covenants.

PLAN FORM 2

Plan Drawing only to appear in this space

OFFICE USE ONLY  
DP 861814Registered: 26.8.1996  
CA. N. 26.10.1996 OF 31.7.1996.Title System: TORRENS & OLD  
SYSTEM

Purpose: SUBDIVISION

Ref. Map: W 4687 - 44\*

Last Plan: DP 157322, DP 145437

PLAN OF SUBDIVISION OF  
LOT 1 D.P. 745437 &  
LOT 2 D.P. 157322.

Lengths are in meters. Reduction Ratio 1: 1500

L.S.A. SHALHAVEN

Locality: MILTON

Parish: ULLADULLA

County: ST VINCENT

That is sheet 1 of my plan in sheets

I, GRAHAM ALAN BRASLEY  
of P. W. RYDGE & WEST, ULLADULLA  
a surveyor registered under the Surveyors Act, 1989, as  
amended, hereby certify that the survey represented in this  
plan is accurate and has been made in accordance with the Survey  
Practice Regulation 1980 and any special requirements of the  
Department of Land Management.

Signed: 30 MAY 1993

Signature: [Signature]

Surveyor registered under Surveyors Act, 1989 as amended

Sheweth date of survey: X

Plans used in preparation of survey/compilation:

D.P. 32970 D.P. 37554 D.P. 37742

D.P. 37805 D.P. 157322 D.P. 192832

D.P. 218029 D.P. 231561 D.P. 348564

D.P. 569565 D.P. 603944 D.P. 703805

D.P. 737627 D.P. 745437 D.P. 771 001

D.P. 817507 D.P. 825921

PANEL FOR USE ONLY for statements of intention  
to dedicate public roads, to create public reserves,  
drainage reserves, easements, restrictions on the  
use of land or positive covenants.

PLAN FORM 2

Plan Drawing only to appear in this space

OFFICE USE ONLY  
DP 861814Registered: 26.8.1996  
CA. N. 26.10.1996 OF 31.7.1996.Title System: TORRENS & OLD  
SYSTEM

Purpose: SUBDIVISION

Ref. Map: W 4687 - 44\*

Last Plan: DP 157322, DP 145437

PLAN OF SUBDIVISION OF  
LOT 1 D.P. 745437 &  
LOT 2 D.P. 157322.

Lengths are in meters. Reduction Ratio 1: 1500

L.S.A. SHALHAVEN

Locality: MILTON

Parish: ULLADULLA

County: ST VINCENT

That is sheet 1 of my plan in sheets

I, GRAHAM ALAN BRASLEY  
of P. W. RYDGE & WEST, ULLADULLA  
a surveyor registered under the Surveyors Act, 1989, as  
amended, hereby certify that the survey represented in this  
plan is accurate and has been made in accordance with the Survey  
Practice Regulation 1980 and any special requirements of the  
Department of Land Management.

Signed: 30 MAY 1993

Signature: [Signature]

Surveyor registered under Surveyors Act, 1989 as amended

Sheweth date of survey: X

Plans used in preparation of survey/compilation:

D.P. 32970 D.P. 37554 D.P. 37742

D.P. 37805 D.P. 157322 D.P. 192832

D.P. 218029 D.P. 231561 D.P. 348564

D.P. 569565 D.P. 603944 D.P. 703805

D.P. 737627 D.P. 745437 D.P. 771 001

D.P. 817507 D.P. 825921

PANEL FOR USE ONLY for statements of intention  
to dedicate public roads, to create public reserves,  
drainage reserves, easements, restrictions on the  
use of land or positive covenants.

SIGNATURE AND SEALS ONLY

*Handwritten signature*  
D. P. 861814

DP1007477

Registered (GAS 27-10-1999)

C.A. SEE CERTIFICATE

Title System: TO R E N S

Purpose: SUBDIVISION

Ref. Map: W 4687-44 #

Last Plan: DP 861814

PLAN OF SUBDIVISION OF LOT 3  
D.P. 861814.

Lengths are in metres. Reduction Ratio 1:500

LGA: SHOALHAVEN

Locality: MILTON

Parish: ULLADULLA

County: ST VINCENT

This is sheet 1 of any plan in - sheets -  
-Delete if inapplicable-

Survey Certificate  
Surveyor General's Register and  
1. GRAHAM A. BEASLEY

of PW RYNGATE & WEST ULLADULLA

A surveyor registered under the Surveyors Act 1999, I hereby certify that the survey represented in this plan is accurate, has been made in accordance with the Surveyors (Practical Regulation) 1999 and was completed on 12th JULY 1999.  
The survey relates to LOTS 31 & 32.

Datum: 'X' Y'  
Zone: Suburban  
Registered: *Handwritten signature*  
Surveyor registered under the Surveyors Act 1999

Plans used in preparation of survey/completion  
D.P. 825921  
D.P. 861814

PANEL FOR USE ONLY for statements of intention to dedicate public roads or to create public reserves, drainage reserves, easements, restrictions on the use of land or positive covenants.

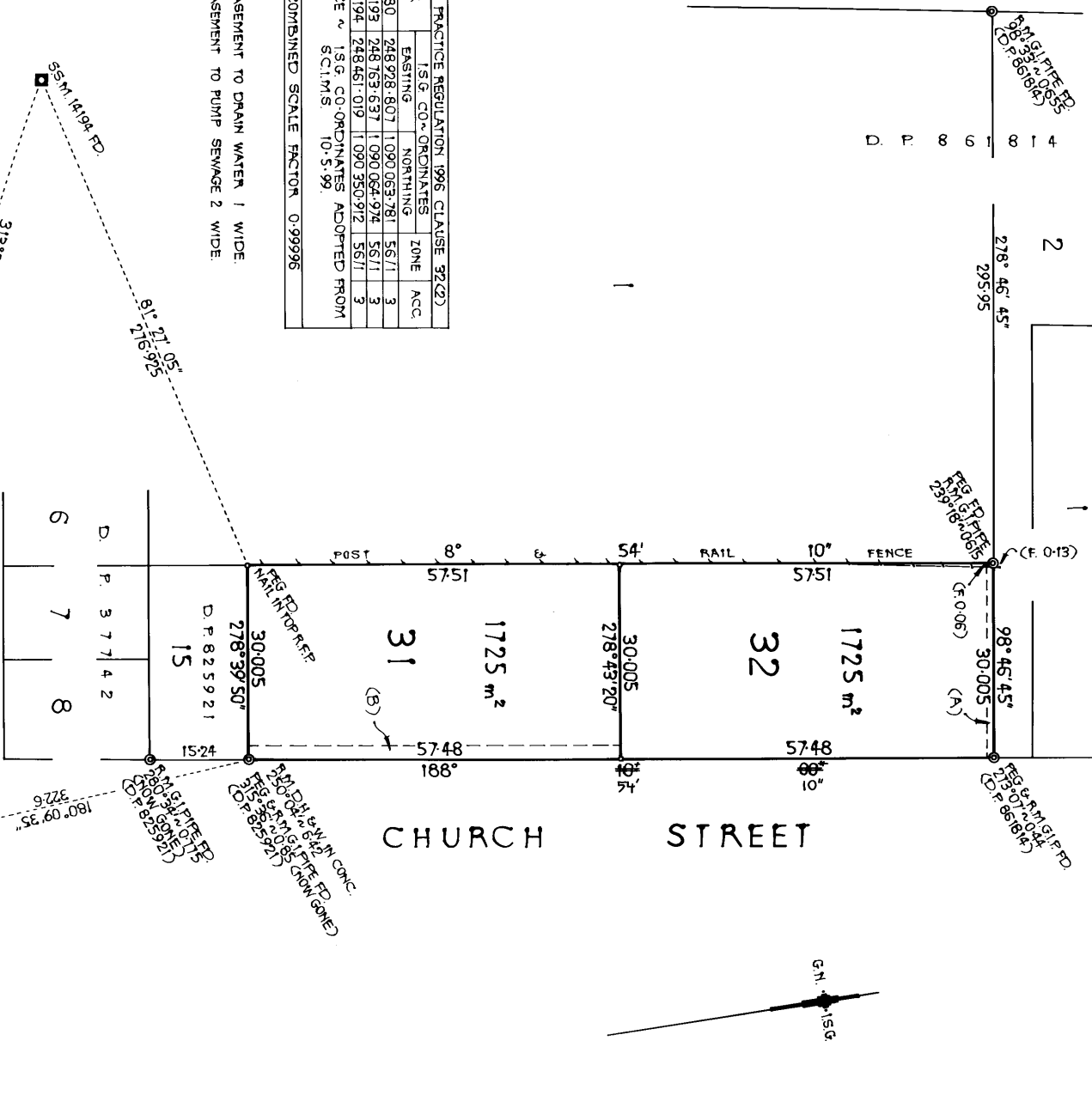
PURSUANT TO SECTION 88B OF THE CONVEYANCING ACT 1919 AS AMENDED IT IS INTENDED TO CREATE:-

1. RESTRICTION ON THE USE OF LAND
2. EASEMENT TO DRAIN WATER
- 3 EASEMENT TO PUMP SEWAGE
- 2 WIDE.

AS SET OUT IN THE ACCOMPANYING INSTRUMENT SIGNED BY PERSONS AUTHORIZED PERSON  
ATTENDED IN LITO AT SURVEYORS REQUEST.

| SURVEY PRACTICE REGULATION 1996 CLAUSE 32(2)               |                   |               |      |     |
|------------------------------------------------------------|-------------------|---------------|------|-----|
| MARK                                                       | 1 SG CO-ORDINATES |               | ZONE | ACC |
|                                                            | EASTING           | NORTHING      |      |     |
| PM 2180                                                    | 248 928.807       | 1 090 063.781 | 56/1 | 3   |
| SSM 14193                                                  | 248 763.637       | 1 090 064.974 | 56/1 | 3   |
| SSM 14194                                                  | 248 451.019       | 1 090 350.912 | 56/1 | 3   |
| SOURCE ~ 1 SG CO-ORDINATES ADOPTED FROM<br>SCLIMS 10-5-99. |                   |               |      |     |
| COMBINED SCALE FACTOR 0.99996                              |                   |               |      |     |

- (A) ~ EASEMENT TO DRAIN WATER 1 WIDE.  
(B) ~ EASEMENT TO PUMP SEWAGE 2 WIDE.



Crown Lands Office Approval

PLM APPROVED: *Handwritten signature*

Lead Author: *Handwritten signature*

Field Data: *Handwritten signature*

Council's Certificate

I hereby certify that:-  
1. The requirements of the Land Management Act 1999 have been complied with for the registration of this plan.  
2. The requirements of the Land Management Act 1999 have been complied with for the registration of this plan.  
3. The requirements of the Land Management Act 1999 have been complied with for the registration of this plan.  
4. The requirements of the Land Management Act 1999 have been complied with for the registration of this plan.  
5. The requirements of the Land Management Act 1999 have been complied with for the registration of this plan.  
6. The requirements of the Land Management Act 1999 have been complied with for the registration of this plan.  
7. The requirements of the Land Management Act 1999 have been complied with for the registration of this plan.  
8. The requirements of the Land Management Act 1999 have been complied with for the registration of this plan.  
9. The requirements of the Land Management Act 1999 have been complied with for the registration of this plan.  
10. The requirements of the Land Management Act 1999 have been complied with for the registration of this plan.

Subdivision: *Handwritten signature*

Authorisation No. SF 8494

Date: 12-10-99

Registered: *Handwritten signature*

Council File No. *Handwritten signature*

The plan of subdivision is an original and the registration is for the purpose of the Land Management Act 1999 and the plan is not to be used for any other purpose.

1. Check if applicable

SURVEYOR'S REFERENCE: U10999

CHECK LIST

WARNING: CREASING OR FOLDING WILL LEAD TO REJECTION



SIGNED BY ME: *Paul M. Heston*  
AS DELEGATE OF THE MINISTER FOR EDUCATION AND  
TRAINING PURSUANT TO SECTION 125 OF THE EDUCATION  
ACT 1990 AND I HEREBY CERTIFY THAT I HAVE NO NOTICE  
OF THE REVOCATION OF SUCH DELEGATION.

DP1120833

Registered: 18/12/2007  
Title System: TORRENS  
Purpose: EASEMENT  
Ref Map: W46 87-44#  
Last Plan: DP 861814

PLAN OF EASEMENT FOR PADMOUNT  
SUBSTATION 2.75 WIDE AND EASEMENT  
FOR UNDERGROUND CABLES 1 WIDE  
OVER LOT 1 D.P. 861814.

Lengths are in metres. Reduction Ratio 1:1000

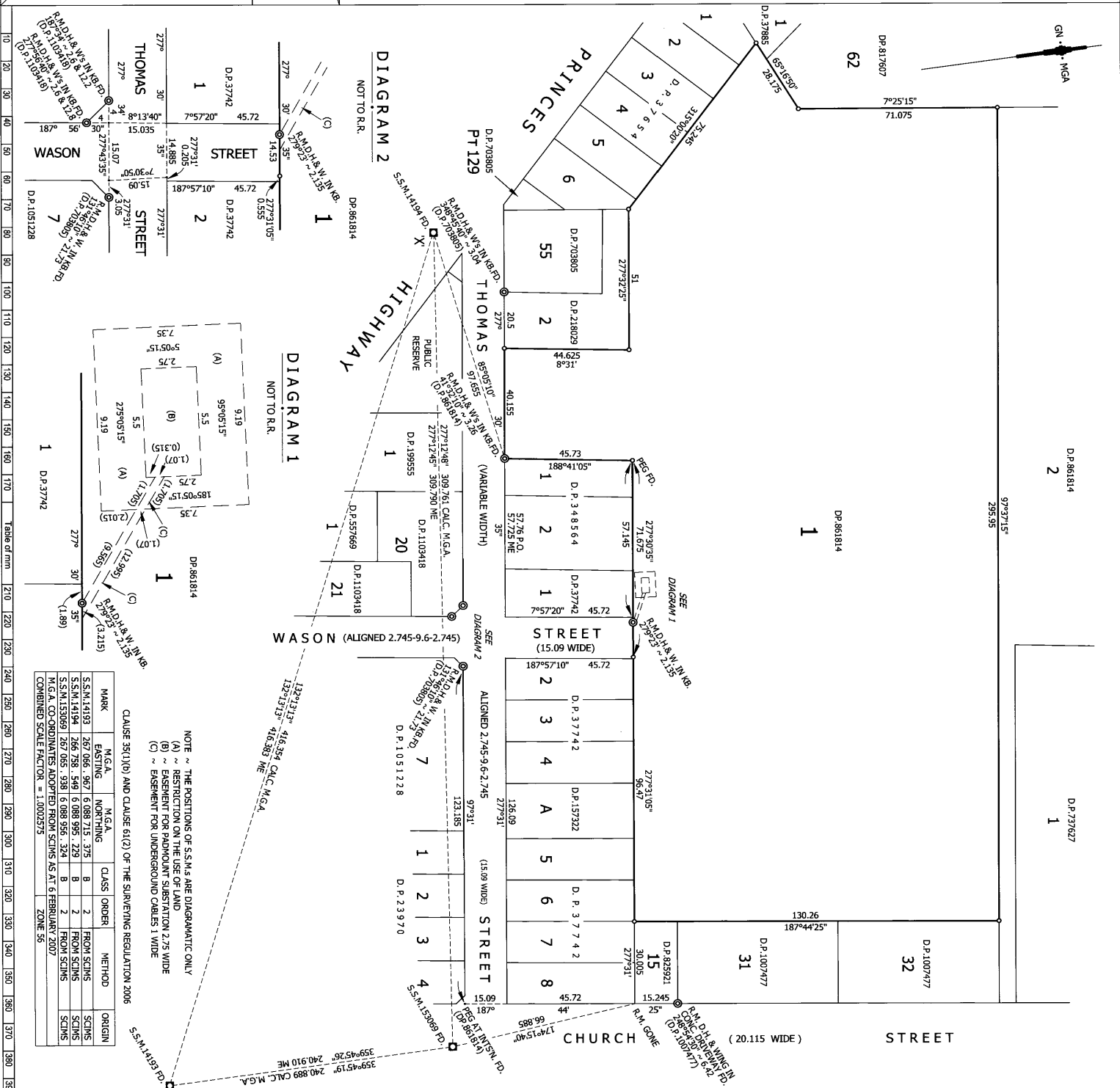
L.G.A.: SHOALHAVEN  
Locality: MILTON  
Parish: ULLADULLA  
County: ST. VINCENT

—The sheet is of my plan in 0 sheets—  
(Delete if inapplicable)  
Surveying Regulation 2001  
L. GRAHAM A. BEASLEY  
a surveyor registered under the Surveying Act 2002, hereby  
certify that the survey represented in this plan is accurate.  
The survey was completed on 11/07/07  
This survey relates to PART LOT 1 & THE EASEMENTS  
(then specify the land actually surveyed or specify any land  
shown in the plan that is not the subject of the survey)  
Datum Line: 'X' - 'Y'  
Zone: Suburban  
(Signature) *Paul M. Heston*  
the Surveying Act 2002

Plans used in preparation of survey  
D.P. 23970 D.P. 218029 D.P. 861814  
D.P. 37644 D.P. 348564 D.P. 1007477  
D.P. 37742 D.P. 703805 D.P. 1051228  
D.P. 37885 D.P. 817607 D.P. 1103418  
D.P. 197322 D.P. 625921

PANEL FOR USE ONLY for statements of intention  
to dedicate public roads to create public reserves  
to dedicate public roads to create public reserves  
use of land or positive covenants.  
PURSUANT TO SECTION 88B OF THE CONVEYANCING  
ACT 1919 AS AMENDED IT IS INTENDED TO CREATE ~  
1. RESTRICTION ON THE USE OF LAND, (A)  
2. EASEMENT FOR PADMOUNT SUBSTATION  
2.75 WIDE, (B)  
3. EASEMENT FOR UNDERGROUND CABLES  
1 WIDE, (C)  
AS SET OUT IN THE ACCOMPANYING INSTRUMENT.

PLAN APPROVED  
Crown Lands Office Approval  
Authorised Officer  
Land District  
Paper No.  
Field Book  
Subdivision Certificate  
I hereby certify that the provisions of a 1981 of the Environmental Planning  
and Assessment Act 1979 have been satisfied in relation to the  
proposed  
Subdivision  
(Insert 'subdivision' or 'new road')  
set out herein  
Consent Authority  
Date of Endorsement  
Consent Certificate no.  
Subdivision Certificate no.  
File no.  
Note:  
When the plan is to be lodged electronically in the land Titles office  
approved by the Registrar-General is an electronic or digital format.  
Delete whichever is inapplicable



Search Number: 1102352

| MARK<br>NAME<br>STATUS | COORDINATES AND HEIGHTS                                         |                    |             |                    | CLASS | PU             | LU     | SOURCE | CSF<br>CONVERGENCE<br>AUSGEOID2020 |
|------------------------|-----------------------------------------------------------------|--------------------|-------------|--------------------|-------|----------------|--------|--------|------------------------------------|
| SS 14194               | Horizontal coordinates are adjusted (or initialised) in GDA2020 |                    |             |                    |       |                |        |        |                                    |
|                        | MGA2020                                                         | 266758.988         | 6088996.652 | 56                 | B     | 0.03           | 0.03   | 301189 | 1.000255                           |
|                        | GDA2020                                                         | -35° 18' 54.23221" |             | 150° 26' 03.81558" |       | -1° 29' 01.59" |        |        |                                    |
|                        | GDA2020                                                         | Ellipsoidal Height |             | 99.1               | E     | 0.18           | 300777 |        |                                    |
|                        | AHD71                                                           | Normal-Orthometric |             | 80.856             | LB    | 0.03           | 0.01   | 300202 | 18.227                             |
| SS 40435               | Horizontal coordinates are adjusted (or initialised) in GDA2020 |                    |             |                    |       |                |        |        |                                    |
|                        | MGA2020                                                         | 266631.216         | 6089160.991 | 56                 | B     | 0.03           | 0.03   | 301189 | 1.000256                           |
|                        | GDA2020                                                         | -35° 18' 48.79560" |             | 150° 25' 58.92892" |       | -1° 29' 04.22" |        |        |                                    |
|                        | GDA2020                                                         | Ellipsoidal Height |             | 96.4               | E     | 0.18           | 300777 |        |                                    |
|                        | AHD71                                                           | Normal-Orthometric |             | 78.172             | LB    | 0.03           | 0.01   | 300202 | 18.240                             |
| SS 153069              | Horizontal coordinates are adjusted (or initialised) in GDA2020 |                    |             |                    |       |                |        |        |                                    |
|                        | MGA2020                                                         | 267066.383         | 6088957.747 | 56                 | B     | 0.04           | 0.04   | 301189 | 1.000257                           |
|                        | GDA2020                                                         | -35° 18' 55.75188" |             | 150° 26' 15.93753" |       | -1° 28' 54.63" |        |        |                                    |
|                        | GDA2020                                                         | Ellipsoidal Height |             | 77.                | U     | 300778         |        |        |                                    |
|                        | AHD71                                                           | Normal-Orthometric |             | 59.                | U     | 300564         |        | 18.211 |                                    |



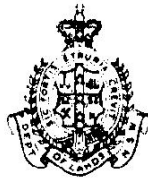
| Map Legend                                                                       |    |    |    |    |    |    | Mark Status*                                                                 |
|----------------------------------------------------------------------------------|----|----|----|----|----|----|------------------------------------------------------------------------------|
| SCIMS Mark types (Colour codes refer to the assigned accuracy "Class")           |    |    |    |    |    |    | F Found Intact                                                               |
|                                                                                  |    |    |    |    |    |    | N Not Found                                                                  |
|                                                                                  |    |    |    |    |    |    | D Destroyed                                                                  |
|                                                                                  |    |    |    |    |    |    | S Subsidence Area                                                            |
|                                                                                  |    |    |    |    |    |    | U Uncertain                                                                  |
|                                                                                  |    |    |    |    |    |    | R Restricted Access                                                          |
| SS                                                                               | PM | TS | CR | MM | CP | GB |                                                                              |
|                                                                                  |    |    |    |    |    |    | Established GDA2020 + Accurate AHD71                                         |
|                                                                                  |    |    |    |    |    |    | Established GDA2020 Only                                                     |
|                                                                                  |    |    |    |    |    |    | Accurate AHD71 Only                                                          |
|                                                                                  |    |    |    |    |    |    | Accurate AHD71 + Approx. GDA2020                                             |
|                                                                                  |    |    |    |    |    |    | Approx. GDA2020 Only                                                         |
|                                                                                  |    |    |    |    |    |    | Unknown                                                                      |
| Established GDA coordinates are assigned accuracy class 3A, 2A, A, B, C or D     |    |    |    |    |    |    | * Where available, the Mark Status is appended to the Mark Number in the map |
| Accurate AHD heights are assigned accuracy class L2A, LA, LB, LC, LD, 2A, A or B |    |    |    |    |    |    |                                                                              |

Note: SCIMS publishes coordinates, heights, Uncertainty and Class for NSW State control survey marks to an appropriate precision based on survey observations currently on public record. Positional Uncertainty and Local Uncertainty are only displayed where computed through a least-squares network adjustment. Refer to Surveyors-General's Directions: [http://spatialservices.finance.nsw.gov.au/surveying/publications/surveyor\\_generals\\_directions](http://spatialservices.finance.nsw.gov.au/surveying/publications/surveyor_generals_directions)

Disclaimer: This report has been generated by various sources and is provided for information purposes only. Spatial Services, a division of the NSW Department of Customer Service, does not warrant or represent that the information is free from errors or omission, or that it is exhaustive. Spatial Services accepts no liability for loss, damage, or costs that may incur relating to any use or reliance upon the information in this report. Spatial Services gives no warranty in relation to the information, especially material supplied by third parties.

| SURVEY MARK                                                                        |                        |                   |                     |                            |             |
|------------------------------------------------------------------------------------|------------------------|-------------------|---------------------|----------------------------|-------------|
| Mark                                                                               | Name                   |                   | Alias               |                            |             |
| SS 14194                                                                           |                        |                   |                     |                            |             |
| Status                                                                             | Date                   | Comments          |                     |                            |             |
|                                                                                    |                        |                   |                     |                            |             |
| Location                                                                           | Monument               | Date Placed       | Placed By           |                            |             |
| GROUND LEVEL                                                                       | UNKNOWN                |                   |                     |                            |             |
|                                                                                    |                        |                   |                     |                            |             |
| MGA2020/GDA2020                                                                    |                        |                   |                     |                            |             |
| Horizontal coordinates are adjusted (or initialised) in GDA2020                    |                        |                   |                     |                            |             |
| MGA2020 Easting                                                                    | MGA2020 Northing       | Zone              | GDA2020 Latitude    | GDA2020 Longitude          |             |
| 266758.988                                                                         | 6088996.652            | 56                | -35° 18' 54.23221"  | 150° 26' 03.81558"         |             |
| Class                                                                              | Positional Uncertainty | Local Uncertainty |                     | GDA2020 Updated            |             |
| B                                                                                  | 0.03                   | 0.03              |                     | 9-MAY-2023                 |             |
| Source                                                                             | Type                   | Method            | Date issued         | Issued By                  |             |
| 301189                                                                             | ADJUSTMENT             | DYNADJUST         | 1-MAY-2023          | JOEL HAASDYK               |             |
| Previous Reference                                                                 |                        | Location          |                     |                            | File Number |
| n/a                                                                                |                        | n/a               |                     |                            | n/a         |
| Comments                                                                           |                        |                   |                     |                            |             |
| GDA2020 STATE ADJUSTMENT MAY 2023                                                  |                        |                   |                     |                            |             |
|                                                                                    |                        |                   |                     |                            |             |
| MGA2020 Combined Scale Factor                                                      |                        |                   | MGA2020 Convergence |                            |             |
| 1.000255                                                                           |                        |                   | -1° 29' 01.59"      |                            |             |
|                                                                                    |                        |                   |                     |                            |             |
| AusGeoid2020(N)                                                                    |                        |                   |                     |                            |             |
| 18.227                                                                             |                        |                   |                     |                            |             |
|                                                                                    |                        |                   |                     |                            |             |
| GDA2020 Ellipsoidal Height                                                         |                        |                   |                     |                            |             |
| Height                                                                             |                        |                   |                     |                            |             |
| 99.1                                                                               |                        |                   |                     |                            |             |
| Class                                                                              | Positional Uncertainty | Local Uncertainty |                     | Ellipsoidal Height Updated |             |
| E                                                                                  | 0.18                   |                   |                     | 15-NOV-2021                |             |
| Source                                                                             | Type                   | Method            | Date issued         | Issued By                  |             |
| 300777                                                                             | COMPUTATION            | MANUAL            | 15-NOV-2021         | JONATHON SMITH             |             |
| Previous Reference                                                                 |                        | Location          |                     |                            | File Number |
| n/a                                                                                |                        | n/a               |                     |                            | n/a         |
| Comments                                                                           |                        |                   |                     |                            |             |
| GDA2020 ELLIPSOIDAL HEIGHTS DERIVED USING AUSGEOID2020 FROM AHD71 SPIRIT LEVELLING |                        |                   |                     |                            |             |
|                                                                                    |                        |                   |                     |                            |             |
| AHD71                                                                              |                        |                   |                     |                            |             |
| Height                                                                             |                        |                   |                     |                            |             |
| 80.856                                                                             |                        |                   |                     |                            |             |
| Class                                                                              | Positional Uncertainty | Local Uncertainty |                     | AHD Updated                |             |
| LB                                                                                 | 0.03                   | 0.01              |                     | 27-MAY-2020                |             |
| Source                                                                             | Type                   | Method            | Date issued         | Issued By                  |             |
| 300202                                                                             | ADJUSTMENT             | DYNADJUST         | 19-MAY-2020         | NICHOLAS GOWANS            |             |
| Previous Reference                                                                 |                        | Location          |                     |                            | File Number |
| n/a                                                                                |                        | n/a               |                     |                            | n/a         |
| Comments                                                                           |                        |                   |                     |                            |             |
| NSW LEVELLING NETWORK POSITIONAL AND LOCAL UNCERTAINTY UPDATE JUNE 2020            |                        |                   |                     |                            |             |
|                                                                                    |                        |                   |                     |                            |             |





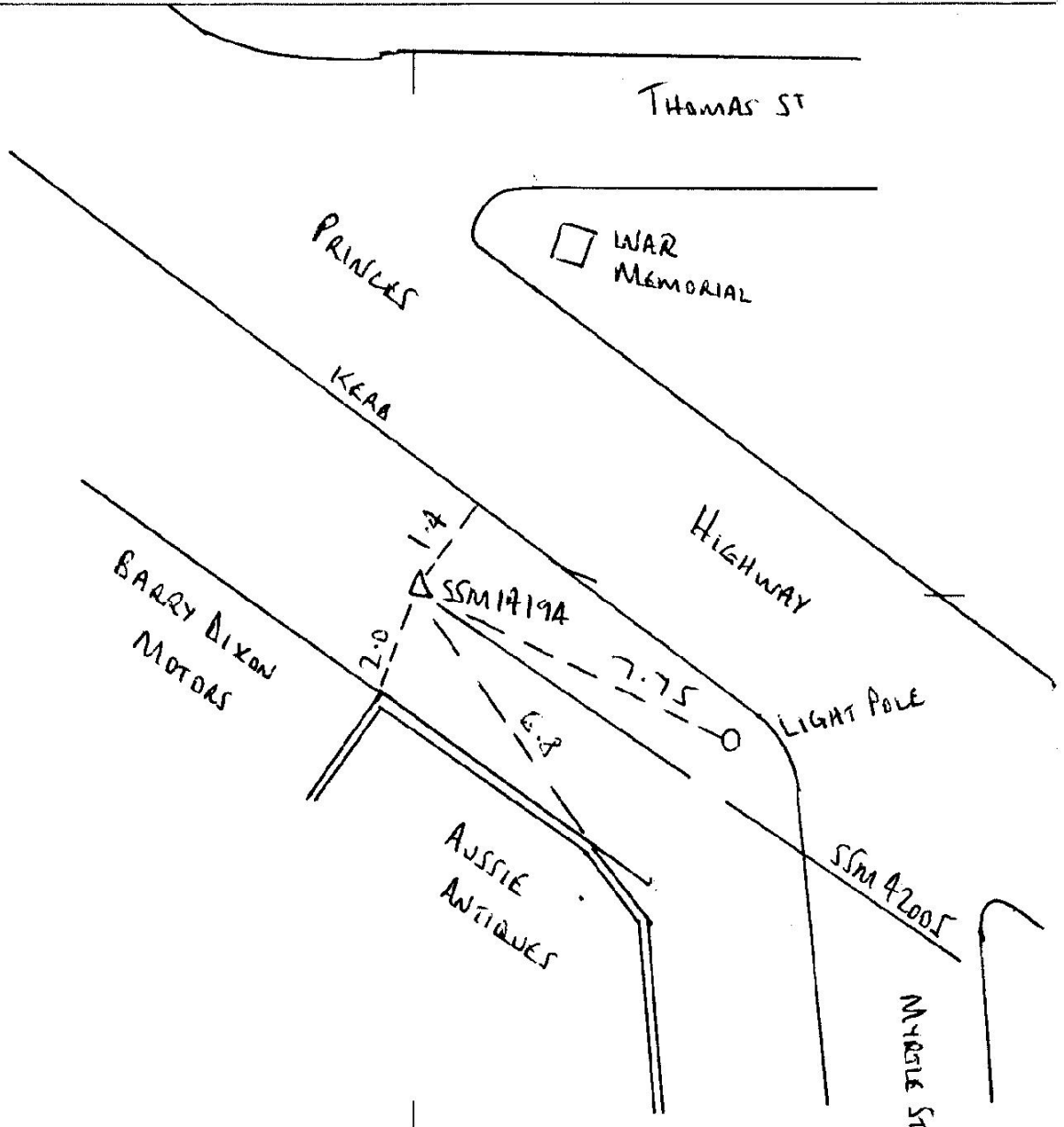
PM  
SSM 14194  
M<sub>s</sub>M

## LOCALITY SKETCH PLAN

Parish ULLADULLA County ST VINCENT City or Town MILTON  
Municipality or Shire SHALHAVEN CITY C.M.A. Map Sheet MILTON 1:25,000

Measurements are in metres

Zone .....



ORIGINAL

Organization placing Marks SURVEY CONTROL Ref.

Mark placed / / 19

Note: Replaces PM  
SSM 14189

Locality Sketch Book No. .... Fol. ....

Plan Register noted / / 19

\S n 2 019 D. West, Government Printer

PM  
SSM 14194  
M<sub>s</sub>M

I certify that the Mark or Marks have been placed and numbered as detailed hereon.

Ren Boyer  
Designation .....

Date / 2 / 19 84

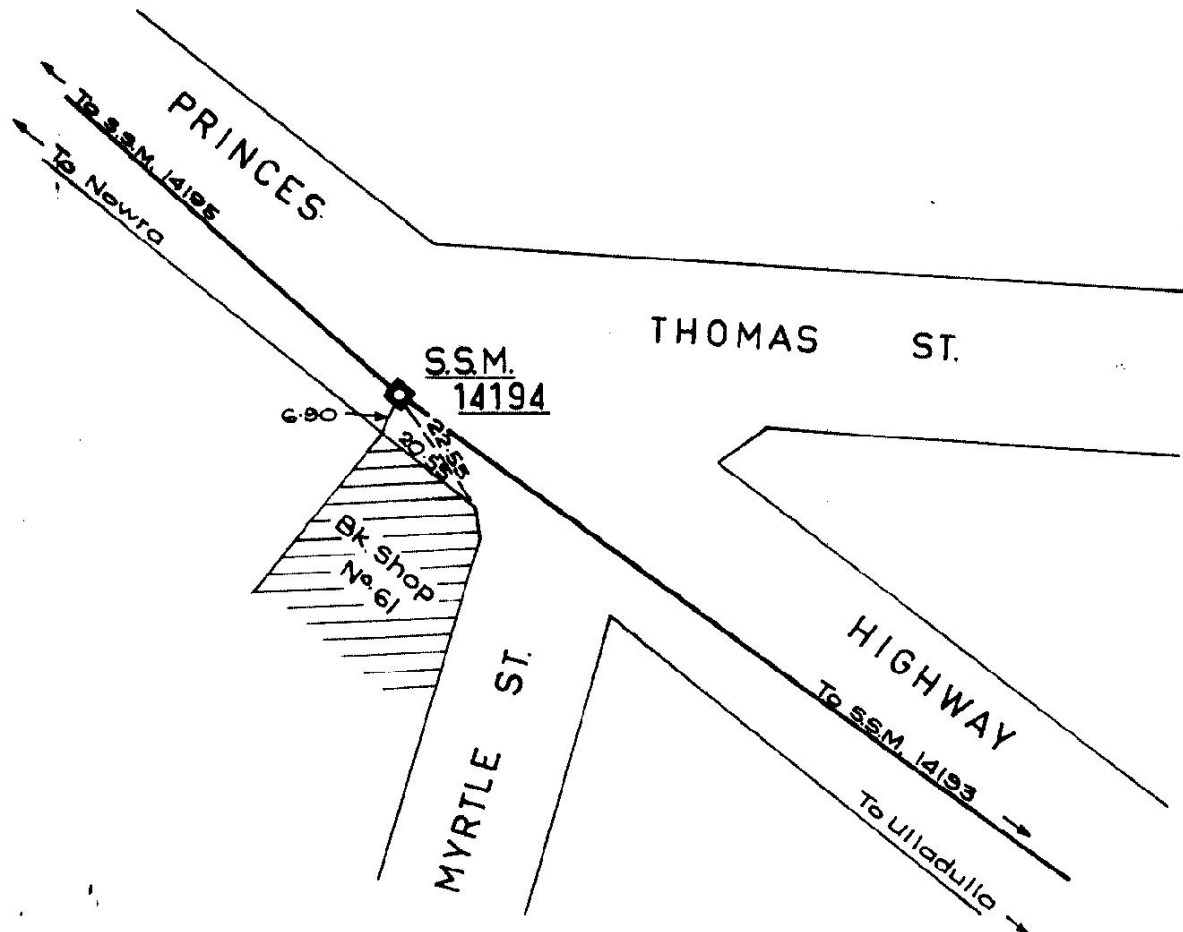
SSM No. 14194  
S.C. 70-28

## STATE SURVEY MARK SKETCH PLAN

(To be drawn in black waterproof ink, not necessarily to scale.)

Parish Ulladulla County St. Vincent City or Town Milton~~Municipality or Shire~~ Shealhaven Survey AreaZone 8 Map Sheet Ulladulla 8927 Aerial Photograph N.S.W.

NOTE - Measurements are to be shown from the mark to as many nearby survey marks, buildings, fence posts, kerbs, etc., as practicable for location on cadastral plans and aerial photographs. Up to six measurements are desirable.

Measurements are in Feet

Mark last inspected \_\_\_\_\_  
 Placed in connection with (type of survey or work) Milton - Ulladulla Sewerage  
 Co-ordinate values of mark \_\_\_\_\_  
 Projection \_\_\_\_\_ Origin \_\_\_\_\_  
 Reduced level of mark \_\_\_\_\_ to Datum \_\_\_\_\_

I certify that the State survey mark shown in this sketch has been placed on the ground

\*by me \_\_\_\_\_ and that the information shown hereon is correct.

\*under my immediate supervision \_\_\_\_\_  
 \*Strike out whichever is not applicable.

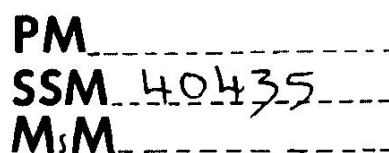
2784

Field Books \_\_\_\_\_ of: W.P. HILL & BLUME  
 (Date) 1st May 1970 (Signature) Barry Challey 185 Elizabeth St. Sydney.Public Authority \_\_\_\_\_  
 (Date) 25th Sept 1970 \_\_\_\_\_  
 (Prop. Officer.)

SSM No. 14194

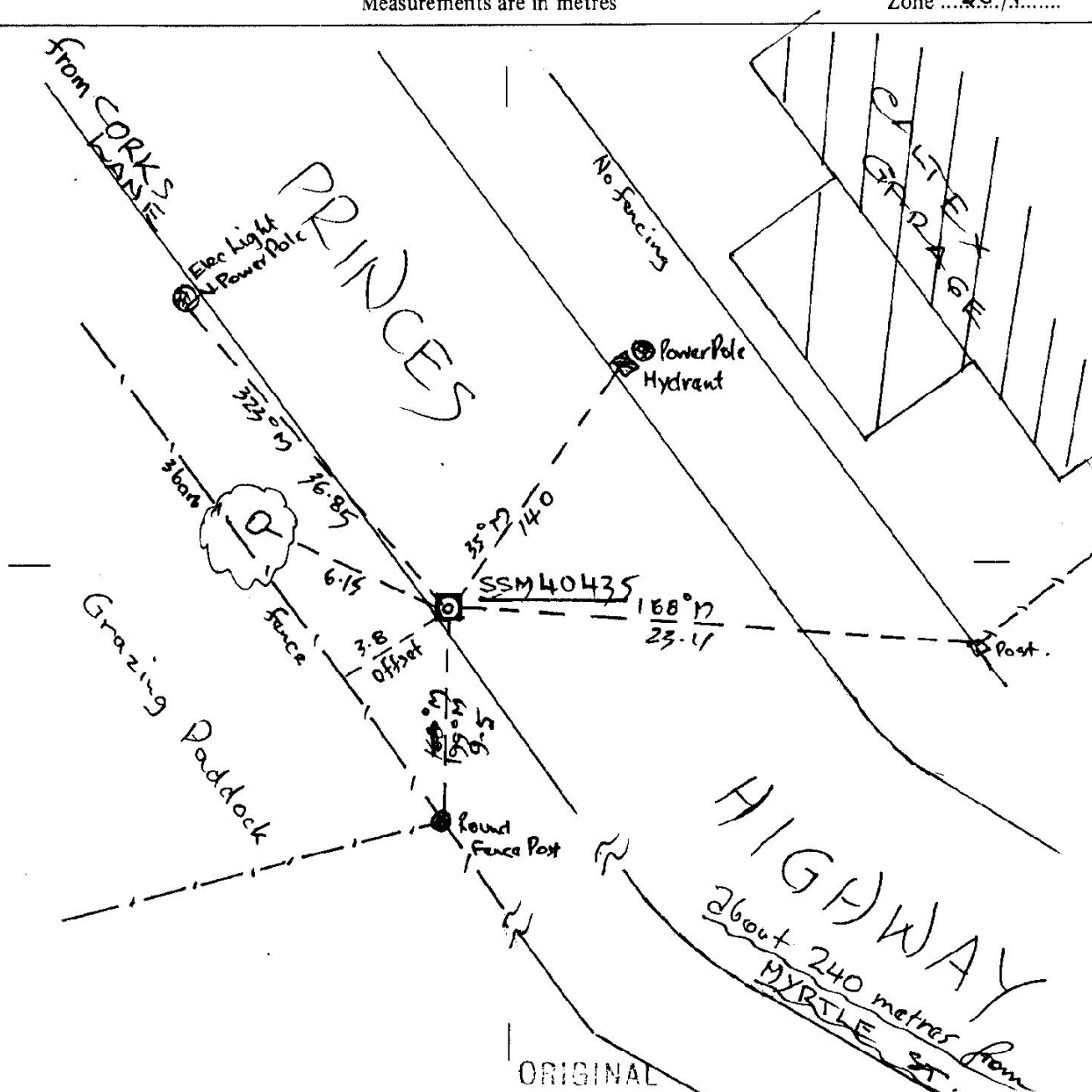
(Officer-in-Charge)  
 (Survey Co-ordination Branch.)

| SURVEY MARK                                                                        |                        |                   |                     |                            |             |
|------------------------------------------------------------------------------------|------------------------|-------------------|---------------------|----------------------------|-------------|
| Mark                                                                               | Name                   |                   | Alias               |                            |             |
| SS 40435                                                                           |                        |                   |                     |                            |             |
| Status                                                                             | Date                   | Comments          |                     |                            |             |
|                                                                                    |                        |                   |                     |                            |             |
| Location                                                                           | Monument               | Date Placed       | Placed By           |                            |             |
| GROUND LEVEL                                                                       | UNKNOWN                |                   |                     |                            |             |
| -----                                                                              |                        |                   |                     |                            |             |
| MGA2020/GDA2020                                                                    |                        |                   |                     |                            |             |
| Horizontal coordinates are adjusted (or initialised) in GDA2020                    |                        |                   |                     |                            |             |
| MGA2020 Easting                                                                    | MGA2020 Northing       | Zone              | GDA2020 Latitude    | GDA2020 Longitude          |             |
| 266631.216                                                                         | 6089160.991            | 56                | -35° 18' 48.79560"  | 150° 25' 58.92892"         |             |
| Class                                                                              | Positional Uncertainty | Local Uncertainty |                     | GDA2020 Updated            |             |
| B                                                                                  | 0.03                   | 0.03              |                     | 9-MAY-2023                 |             |
| Source                                                                             | Type                   | Method            | Date issued         | Issued By                  |             |
| 301189                                                                             | ADJUSTMENT             | DYNADJUST         | 1-MAY-2023          | JOEL HAASDYK               |             |
| Previous Reference                                                                 |                        | Location          |                     |                            | File Number |
| n/a                                                                                |                        | n/a               |                     |                            | n/a         |
| Comments                                                                           |                        |                   |                     |                            |             |
| GDA2020 STATE ADJUSTMENT MAY 2023                                                  |                        |                   |                     |                            |             |
| MGA2020 Combined Scale Factor                                                      |                        |                   | MGA2020 Convergence |                            |             |
| 1.000256                                                                           |                        |                   | -1° 29' 04.22"      |                            |             |
| -----                                                                              |                        |                   |                     |                            |             |
| AusGeoid2020(N)                                                                    |                        |                   |                     |                            |             |
| 18.240                                                                             |                        |                   |                     |                            |             |
| -----                                                                              |                        |                   |                     |                            |             |
| GDA2020 Ellipsoidal Height                                                         |                        |                   |                     |                            |             |
| Height                                                                             |                        |                   |                     |                            |             |
| 96.4                                                                               |                        |                   |                     |                            |             |
| Class                                                                              | Positional Uncertainty | Local Uncertainty |                     | Ellipsoidal Height Updated |             |
| E                                                                                  | 0.18                   |                   |                     | 15-NOV-2021                |             |
| Source                                                                             | Type                   | Method            | Date issued         | Issued By                  |             |
| 300777                                                                             | COMPUTATION            | MANUAL            | 15-NOV-2021         | JONATHON SMITH             |             |
| Previous Reference                                                                 |                        | Location          |                     |                            | File Number |
| n/a                                                                                |                        | n/a               |                     |                            | n/a         |
| Comments                                                                           |                        |                   |                     |                            |             |
| GDA2020 ELLIPSOIDAL HEIGHTS DERIVED USING AUSGEOID2020 FROM AHD71 SPIRIT LEVELLING |                        |                   |                     |                            |             |
| -----                                                                              |                        |                   |                     |                            |             |
| AHD71                                                                              |                        |                   |                     |                            |             |
| Height                                                                             |                        |                   |                     |                            |             |
| 78.172                                                                             |                        |                   |                     |                            |             |
| Class                                                                              | Positional Uncertainty | Local Uncertainty |                     | AHD Updated                |             |
| LB                                                                                 | 0.03                   | 0.01              |                     | 27-MAY-2020                |             |
| Source                                                                             | Type                   | Method            | Date issued         | Issued By                  |             |
| 300202                                                                             | ADJUSTMENT             | DYNADJUST         | 19-MAY-2020         | NICHOLAS GOWANS            |             |
| Previous Reference                                                                 |                        | Location          |                     |                            | File Number |
| n/a                                                                                |                        | n/a               |                     |                            | n/a         |
| Comments                                                                           |                        |                   |                     |                            |             |
| NSW LEVELLING NETWORK POSITIONAL AND LOCAL UNCERTAINTY UPDATE JUNE 2020            |                        |                   |                     |                            |             |
| -----                                                                              |                        |                   |                     |                            |             |



Parish ULLADULLA County ST. VINCENT City or Town MILTON  
Municipality or Shire SHOALHAVEN C.M.A. Map Sheet MILTON W4687-IV

Zone 56 / 1 .....



4019

S. n. 2 019 D. West. Government Printer

Date 3 / 4 / 1984

PM  
SSM 40435  
MsM



| SURVEY MARK                                                                               |                        |                   |                            |                    |             |
|-------------------------------------------------------------------------------------------|------------------------|-------------------|----------------------------|--------------------|-------------|
| Mark                                                                                      | Name                   |                   | Alias                      |                    |             |
| SS 153069                                                                                 |                        |                   |                            |                    |             |
| Status                                                                                    | Date                   | Comments          |                            |                    |             |
|                                                                                           |                        |                   |                            |                    |             |
| Location                                                                                  | Monument               | Date Placed       | Placed By                  |                    |             |
| GROUND LEVEL                                                                              | UNKNOWN                |                   |                            |                    |             |
| -----                                                                                     |                        |                   |                            |                    |             |
| MGA2020/GDA2020                                                                           |                        |                   |                            |                    |             |
| Horizontal coordinates are adjusted (or initialised) in GDA2020                           |                        |                   |                            |                    |             |
| MGA2020 Easting                                                                           | MGA2020 Northing       | Zone              | GDA2020 Latitude           | GDA2020 Longitude  |             |
| 267066.383                                                                                | 6088957.747            | 56                | -35° 18' 55.75188"         | 150° 26' 15.93753" |             |
| Class                                                                                     | Positional Uncertainty | Local Uncertainty |                            | GDA2020 Updated    |             |
| B                                                                                         | 0.04                   | 0.04              |                            | 9-MAY-2023         |             |
| Source                                                                                    | Type                   | Method            | Date issued                | Issued By          |             |
| 301189                                                                                    | ADJUSTMENT             | DYNADJUST         | 1-MAY-2023                 | JOEL HAASDYK       |             |
| Previous Reference                                                                        |                        | Location          |                            |                    | File Number |
| n/a                                                                                       |                        | n/a               |                            |                    | n/a         |
| Comments                                                                                  |                        |                   |                            |                    |             |
| GDA2020 STATE ADJUSTMENT MAY 2023                                                         |                        |                   |                            |                    |             |
| MGA2020 Combined Scale Factor                                                             |                        |                   | MGA2020 Convergence        |                    |             |
| 1.000257                                                                                  |                        |                   | -1° 28' 54.63"             |                    |             |
| -----                                                                                     |                        |                   |                            |                    |             |
| AusGeoid2020(N)                                                                           |                        |                   |                            |                    |             |
| 18.211                                                                                    |                        |                   |                            |                    |             |
| -----                                                                                     |                        |                   |                            |                    |             |
| GDA2020 Ellipsoidal Height                                                                |                        |                   |                            |                    |             |
| Height                                                                                    |                        |                   |                            |                    |             |
| 77.                                                                                       |                        |                   |                            |                    |             |
| Class                                                                                     | Positional Uncertainty | Local Uncertainty | Ellipsoidal Height Updated |                    |             |
| U                                                                                         |                        |                   | 15-NOV-2021                |                    |             |
| Source                                                                                    | Type                   | Method            | Date issued                | Issued By          |             |
| 300778                                                                                    | COMPUTATION            | MANUAL            | 15-NOV-2021                | JONATHON SMITH     |             |
| Previous Reference                                                                        |                        | Location          |                            |                    | File Number |
| n/a                                                                                       |                        | n/a               |                            |                    | n/a         |
| Comments                                                                                  |                        |                   |                            |                    |             |
| GDA2020 ELLIPSOIDAL HEIGHTS DERIVED USING AUSGEOID2020 FROM AHD71 DIGITAL ELEVATION MODEL |                        |                   |                            |                    |             |
| -----                                                                                     |                        |                   |                            |                    |             |
| AHD71                                                                                     |                        |                   |                            |                    |             |
| Height                                                                                    |                        |                   |                            |                    |             |
| 59.                                                                                       |                        |                   |                            |                    |             |
| Class                                                                                     | Positional Uncertainty | Local Uncertainty | AHD Updated                |                    |             |
| U                                                                                         |                        |                   | 11-MAY-2021                |                    |             |
| Source                                                                                    | Type                   | Method            | Date issued                | Issued By          |             |
| 300564                                                                                    | COMPUTATION            | MANUAL            | 11-MAY-2021                | JONATHON SMITH     |             |
| Previous Reference                                                                        |                        | Location          |                            |                    | File Number |
| n/a                                                                                       |                        | n/a               |                            |                    | n/a         |
| Comments                                                                                  |                        |                   |                            |                    |             |
| AHD71 CLASS U HEIGHT UPDATE FROM NSW DIGITAL ELEVATION MODEL                              |                        |                   |                            |                    |             |
| -----                                                                                     |                        |                   |                            |                    |             |

LOCALITY SKETCH PLAN



Local Government Area Shoalhaven

Town/Suburb/Locality Milton

Approx MGA Coordinate: Zone 56

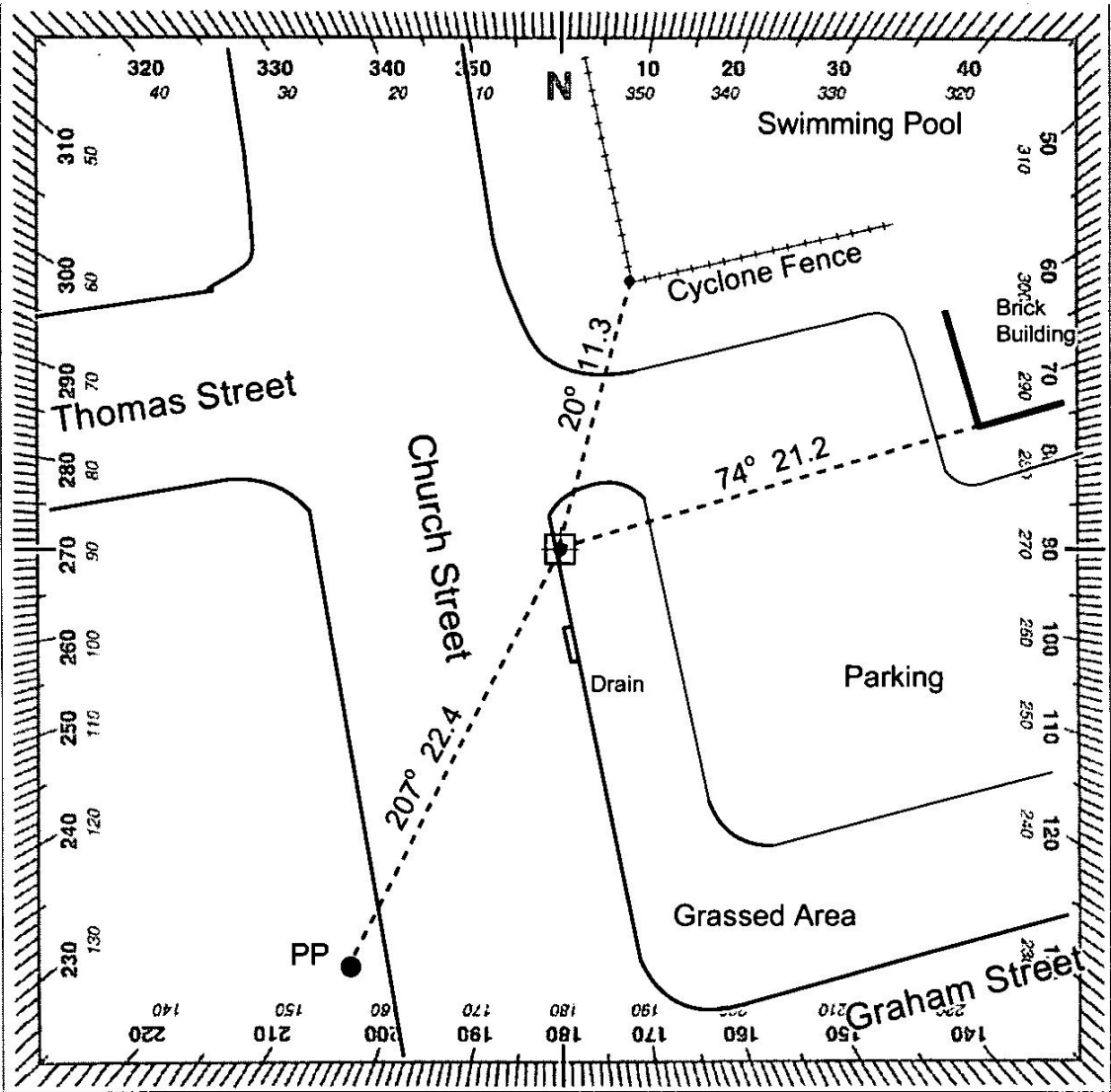
E: 267065

N: 6088956

Description of Mark On Kerb

SS153069

On Kerb



Please use black ink only

| SURVEYING REGULATION |     |                   |      |
|----------------------|-----|-------------------|------|
| MARK                 | AHD | SOURCE            | DATE |
|                      |     |                   |      |
| HEIGHT DETERMINED BY |     | - DIFF. LEVELLING |      |
| (Specify)            |     | - TRIG HEIGHTING  |      |
| ADOPTED MARKS        |     | - GPS             |      |
|                      |     |                   |      |
|                      |     |                   |      |

Measurements are in metres

PM  
SS 153069  
PM  
Replaces  
SS

I certify that the mark has been placed/found and numbered as detailed hereon.

Signed: Dennis Sluys  
Name: Dennis Sluys  
Organisation placing mark: LPI  
Date mark placed/found: 16/08/05  
Ref:

## Appendix B. **BYDA Search Documents.**

## Caller Details

**Contact:** Astrea Locator  
**Company:** Astrea  
**Address:** 32 Delhi Rd  
Macquarie Park NSW 2113

**Caller Id:** 3005839

**Phone:** 0476 003 705

**Email:** dbyd@astrea.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:** Milton PS

**Working on Behalf of:** Private

**Enquiry Date:** 18/08/2023

**Start Date:** 21/08/2023

**End Date:** 21/09/2023

**Address:**  
9 Thomas Street  
Milton NSW 2538

**Job Purpose:**  
Excavation

**Onsite Activities:**  
Manual Excavation, Mechanical Excavation,  
Non-Destructive Digging

**Location of Workplace:**  
Both

**Location in Road:**  
Footpath, Nature Strip, Road

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

**Notes/Description of Works:**  
Not supplied

## 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.byda.com.au](http://www.byda.com.au)
- For more information on safe excavation practices, visit [www.byda.com.au](http://www.byda.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 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   |
|-----------|-------------------|----------------|----------|
| 228546319 | Endeavour Energy  | (02) 9853 4161 | NOTIFIED |
| 228546318 | NBN Co NswAct     | 1800 687 626   | NOTIFIED |
| 228546317 | Shoalhaven Water  | (02) 4429 3214 | NOTIFIED |
| 228546320 | Telstra NSW South | 1800 653 935   | NOTIFIED |

END OF UTILITIES LIST



**WARNING**

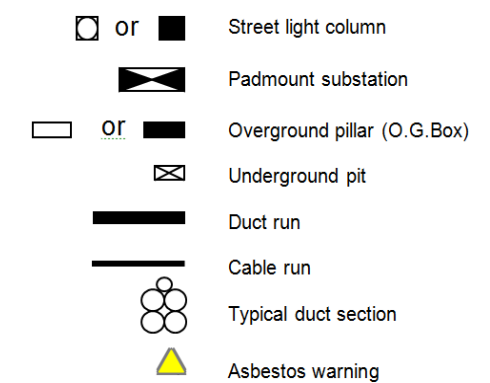
- **All electrical apparatus shall be regarded as live until proved de-energised.** Contact with live electrical apparatus will cause severe injury or death.
- Underground assets may be congested at the approach to bridges and other structures. Typical asset depths and alignment may vary substantially, rising and falling sharply and at much shallower depths than elsewhere as they are channelled into shared allocated spaces on bridges and other structures. Additional precautions and underground asset location methods will be required in proximity to bridges and other structures.
- In accordance with the *Electricity Supply Act 1995*, you are obliged to report any damage to Endeavour Energy Assets immediately by calling **131 003**.
- The customer must obtain a new set of plans from Endeavour Energy if work has not been started or completed within twenty **(20)** working days of the original plan issue date.
- The customer must contact Endeavour Energy if any of the plans provided have blank pages, as some underground asset information may be incomplete.
- Endeavour Energy underground earth grids may exist and their location **may not** be shown on plans. Persons excavating are expected to exercise all due care, especially in the vicinity of padmount substations, pole mounted substations, pole mounted switches, transmission poles and towers.
- Endeavour Energy plans **do not** show any underground customer service mains or information relating to service mains within private property.
- Asbestos or asbestos-containing material may be present on or near Endeavour Energy's underground assets.
- Organo-Chloride Pesticides (OCP) may be present in some sub-transmission trenches.
- All plans must be made available at the worksite where excavation is to be undertaken in either printed or electronic format. If the plans are in an electronic format, they must be in a format visible on a screen size 10 inches or greater. Plans must be reviewed and understood by the crew on site prior to commencing excavation.
- Non-destructive water excavation must be operated at or below 2000PSI. Any operation exceeding 2000PSI must be classed and treated as a destructive excavation practice

**INFORMATION PROVIDED BY ENDEAVOUR ENERGY**

- Any plans provided pursuant to this service are intended to show the approximate location of underground assets relative to road boundaries, property fences and other structures at the time of installation.
- Depth of underground assets may vary significantly from information provided on plans as a result of changes to road, footpath or surface levels subsequent to installation.
- Such plans have been prepared solely for use by Endeavour Energy staff for design, construction and maintenance purposes.
- All enquiry details and results are kept in a register.

**DISCLAIMER**

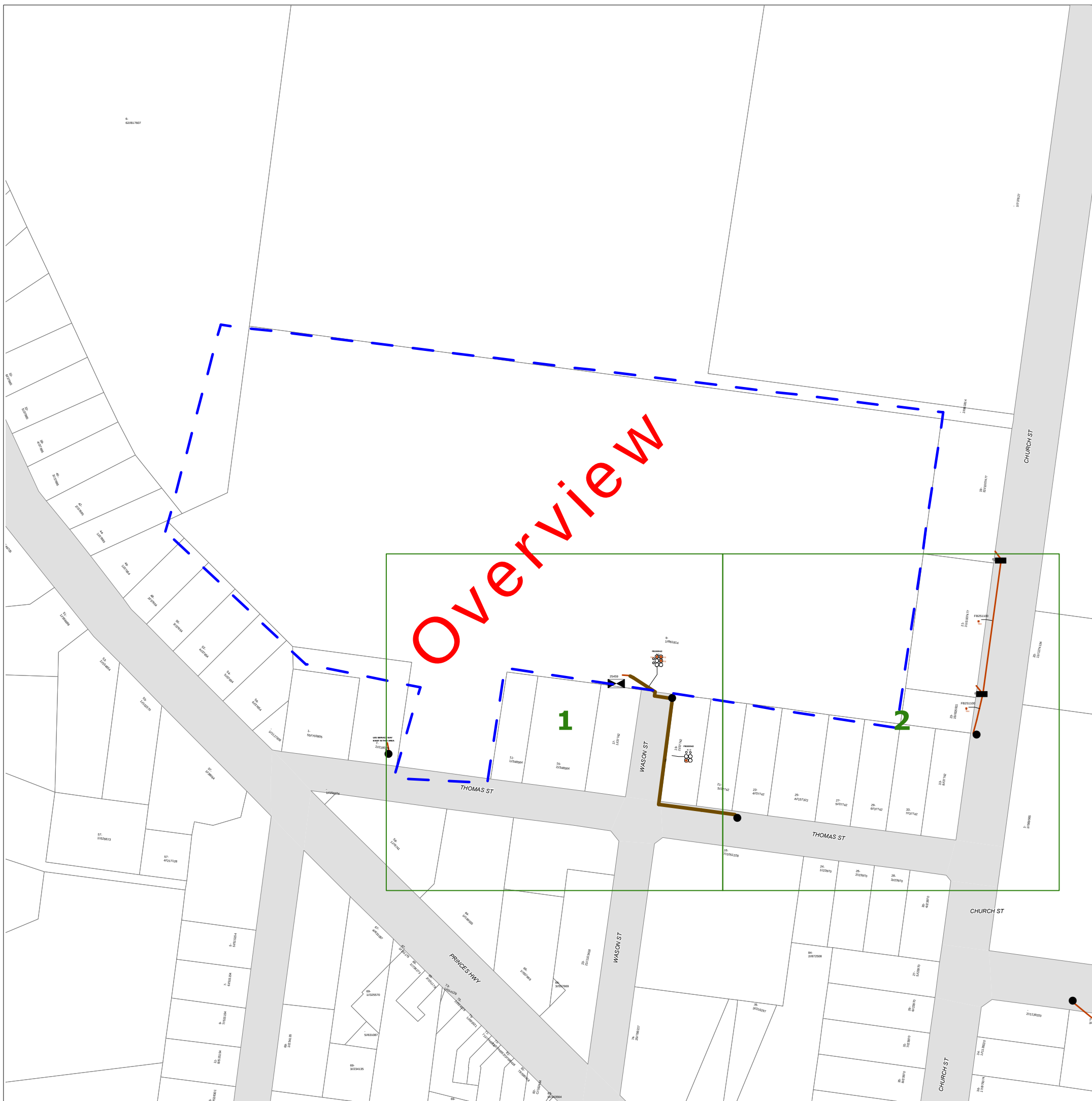
Whilst Endeavour Energy has taken all reasonable steps to ensure that the information contained in the plans is as accurate as possible it will accept no liability for inaccuracies in the information shown on such plans.

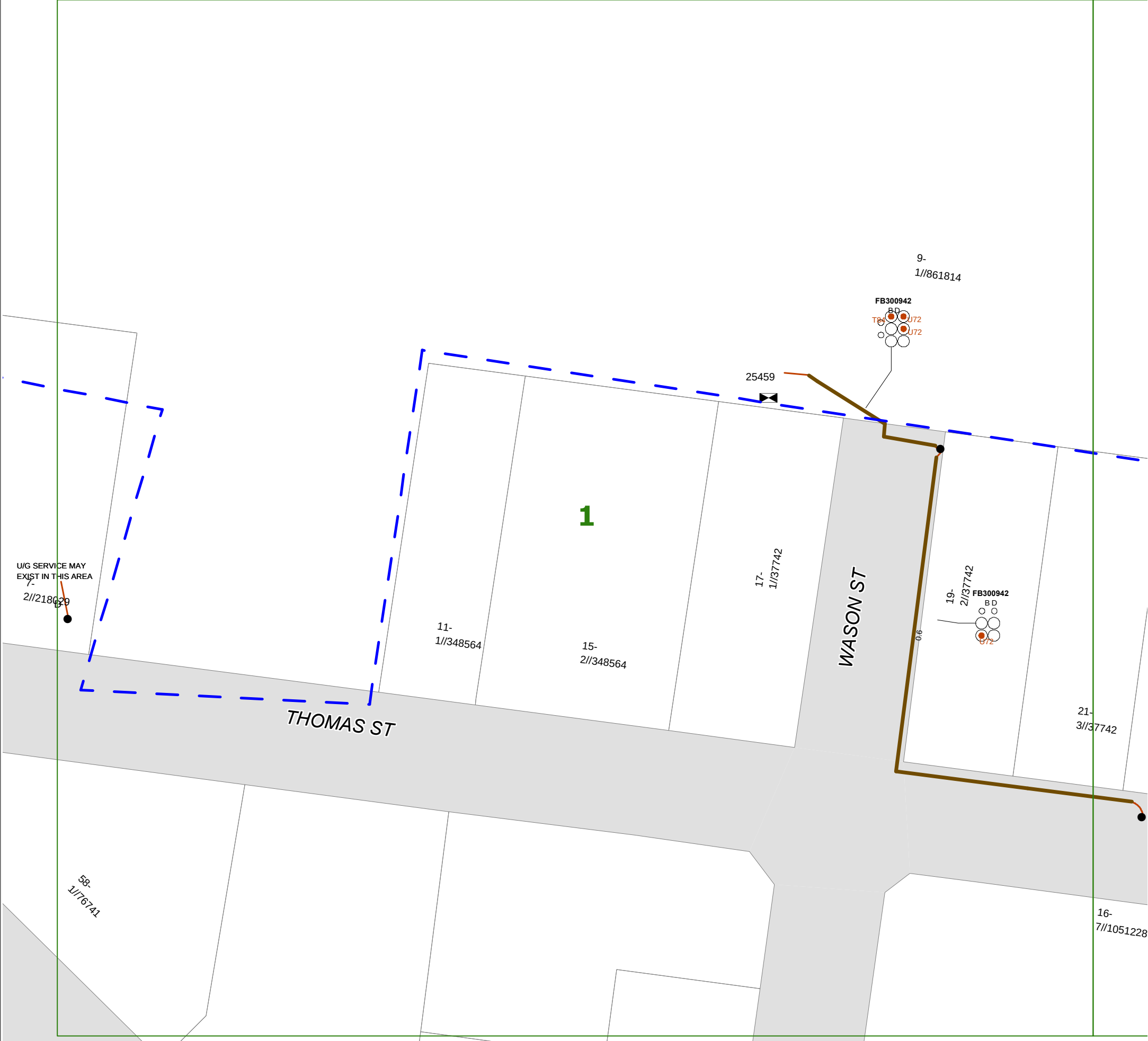
**NOT TO SCALE**

|                    |            |
|--------------------|------------|
| BYDA Sequence No.: | 228546319  |
| Issued Date:       | 18/08/2023 |

Cadastre: © Land and Property Information 2015, 2016

Overview





- WARNING**
- **All electrical apparatus shall be regarded as live until proved de-energised.** Contact with live electrical apparatus will cause severe injury or death.
  - Underground assets may be congested at the approach to bridges and other structures. Typical asset depths and alignment may vary substantially, rising and falling sharply and at much shallower depths than elsewhere as they are channelled into shared allocated spaces on bridges and other structures. Additional precautions and underground asset location methods will be required in proximity to bridges and other structures.
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  - The customer must contact Endeavour Energy if any of the plans provided have blank pages, as some underground asset information may be incomplete.
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  - Endeavour Energy plans **do not** show any underground customer service mains or information relating to service mains within private property.
  - Asbestos or asbestos-containing material may be present on or near Endeavour Energy's underground assets.
  - Organo-Chloride Pesticides (OCP) may be present in some sub-transmission trenches.
  - All plans must be made available at the worksite where excavation is to be undertaken in either printed or electronic format. If the plans are in an electronic format, they must be in a format visible on a screen size 10 inches or greater. Plans must be reviewed and understood by the crew on site prior to commencing excavation.
  - Non-destructive water excavation must be operated at or below 2000PSI. Any operation exceeding 2000PSI must be classed and treated as a destructive excavation practice

- INFORMATION PROVIDED BY ENDEAVOUR ENERGY**
- Any plans provided pursuant to this service are intended to show the approximate location of underground assets relative to road boundaries, property fences and other structures at the time of installation.
  - Depth of underground assets may vary significantly from information provided on plans as a result of changes to road, footpath or surface levels subsequent to installation.
  - Such plans have been prepared solely for use by Endeavour Energy staff for design, construction and maintenance purposes.
  - All enquiry details and results are kept in a register.

**DISCLAIMER**

Whilst Endeavour Energy has taken all reasonable steps to ensure that the information contained in the plans is as accurate as possible it will accept no liability for inaccuracies in the information shown on such plans.

-  or 

Street light column
- 

Padmount substation
-  or 

Overground pillar (O.G.Box)
- 

Underground pit
- 

Duct run
- 

Cable run
- 

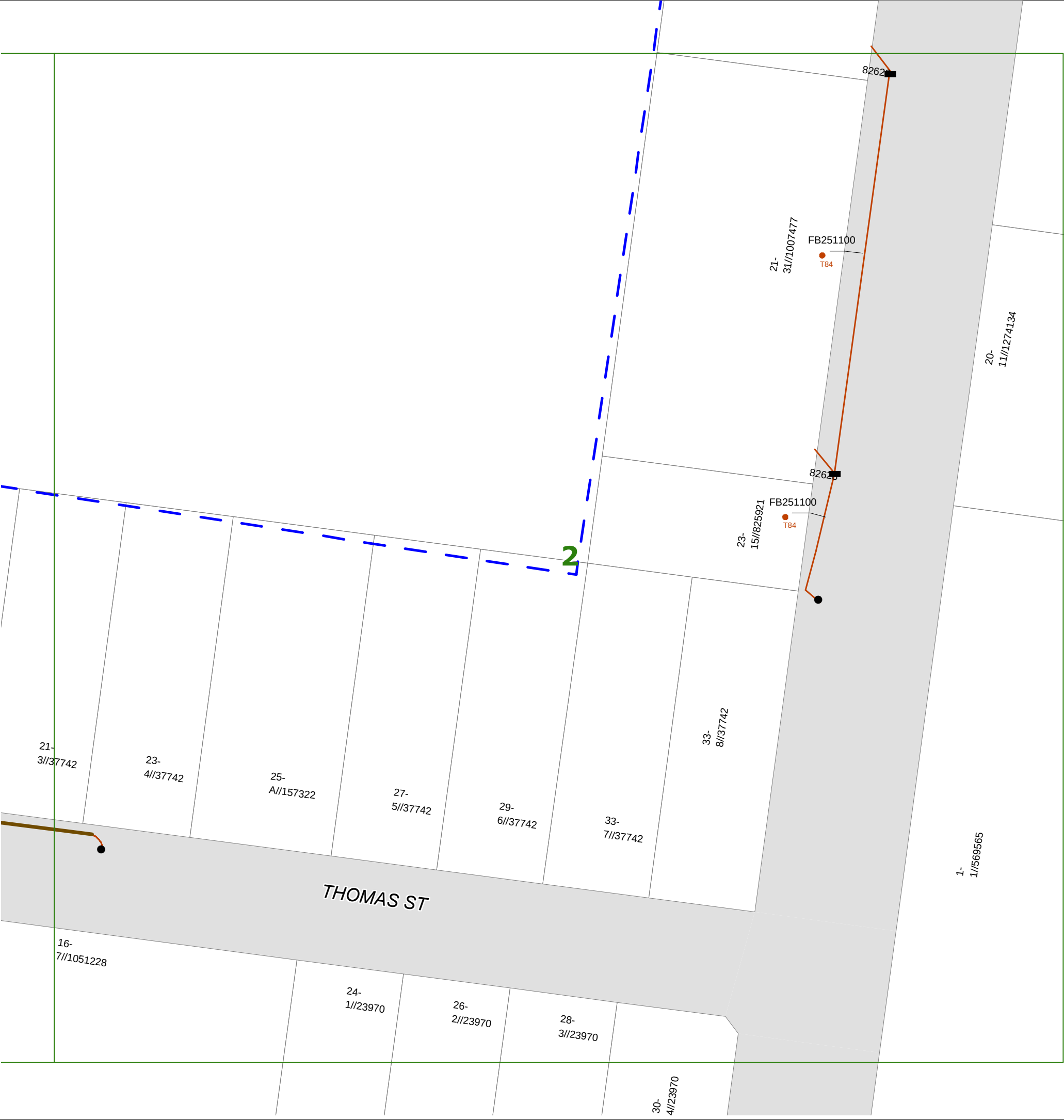
Typical duct section
- 

Asbestos warning



NOT TO SCALE

|                    |            |
|--------------------|------------|
| BYDA Sequence No.: | 228546319  |
| Issued Date:       | 18/08/2023 |



**WARNING**

- **All electrical apparatus shall be regarded as live until proved de-energised.** Contact with live electrical apparatus will cause severe injury or death.
- Underground assets may be congested at the approach to bridges and other structures. Typical asset depths and alignment may vary substantially, rising and falling sharply and at much shallower depths than elsewhere as they are channelled into shared allocated spaces on bridges and other structures. Additional precautions and underground asset location methods will be required in proximity to bridges and other structures.
- In accordance with the *Electricity Supply Act 1995*, you are obliged to report any damage to Endeavour Energy Assets immediately by calling **131 003**.
- The customer must obtain a new set of plans from Endeavour Energy if work has not been started or completed within twenty **(20)** working days of the original plan issue date.
- The customer must contact Endeavour Energy if any of the plans provided have blank pages, as some underground asset information may be incomplete.
- Endeavour Energy underground earth grids may exist and their location **may not** be shown on plans. Persons excavating are expected to exercise all due care, especially in the vicinity of padmount substations, pole mounted substations, pole mounted switches, transmission poles and towers.
- Endeavour Energy plans **do not** show any underground customer service mains or information relating to service mains within private property.
- Asbestos or asbestos-containing material may be present on or near Endeavour Energy's underground assets.
- Organo-Chloride Pesticides (OCP) may be present in some sub-transmission trenches.
- All plans must be made available at the worksite where excavation is to be undertaken in either printed or electronic format. If the plans are in an electronic format, they must be in a format visible on a screen size 10 inches or greater. Plans must be reviewed and understood by the crew on site prior to commencing excavation.
- Non-destructive water excavation must be operated at or below 2000PSI. Any operation exceeding 2000PSI must be classed and treated as a destructive excavation practice

**INFORMATION PROVIDED BY ENDEAVOUR ENERGY**

- Any plans provided pursuant to this service are intended to show the approximate location of underground assets relative to road boundaries, property fences and other structures at the time of installation.
- Depth of underground assets may vary significantly from information provided on plans as a result of changes to road, footpath or surface levels subsequent to installation.
- Such plans have been prepared solely for use by Endeavour Energy staff for design, construction and maintenance purposes.
- All enquiry details and results are kept in a register.

**DISCLAIMER**

Whilst Endeavour Energy has taken all reasonable steps to ensure that the information contained in the plans is as accurate as possible it will accept no liability for inaccuracies in the information shown on such plans.

-  or 

Street light column
- 

Padmount substation
-  or 

Overground pillar (O.G.Box)
- 

Underground pit
- 

Duct run
- 

Cable run
- 

Typical duct section
- 

Asbestos warning



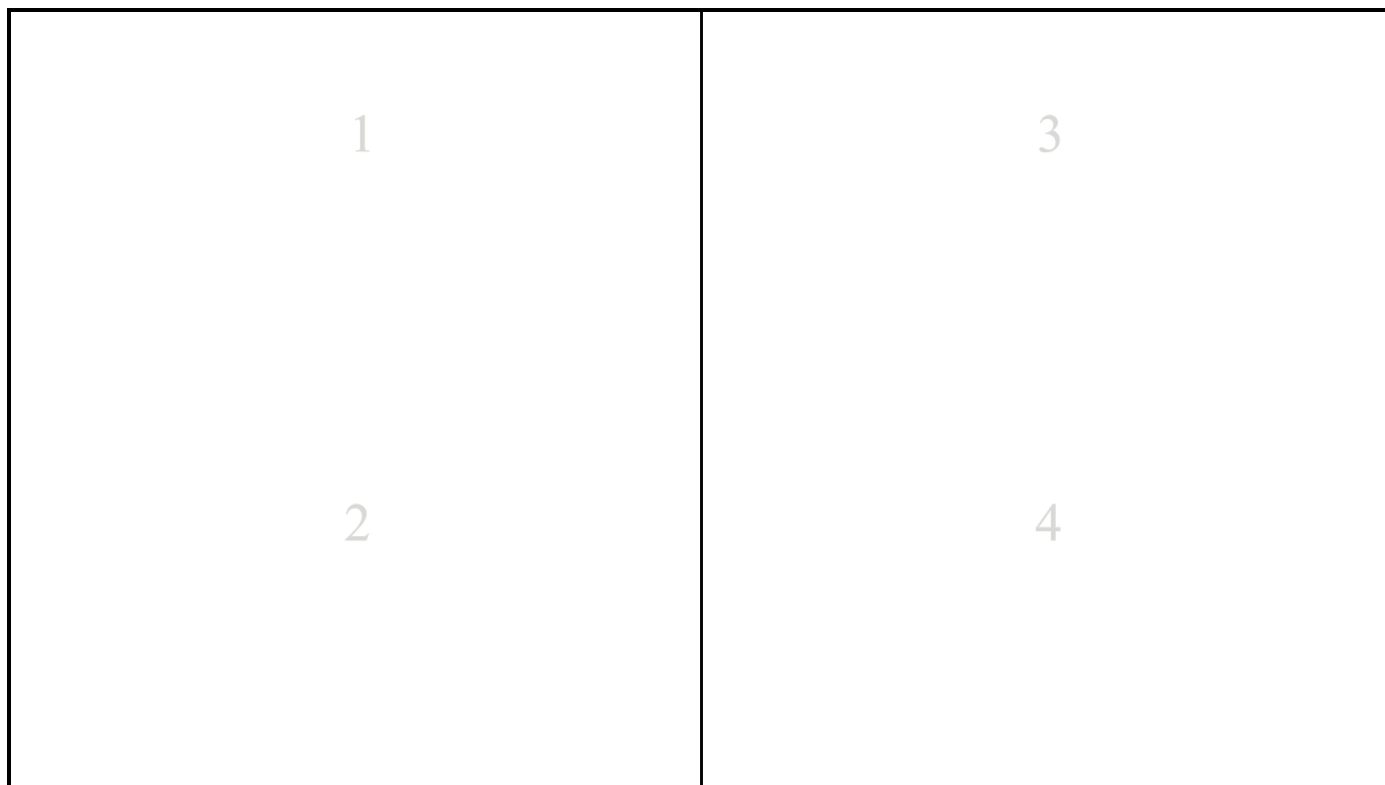
**NOT TO SCALE**

|                    |            |
|--------------------|------------|
| BYDA Sequence No.: | 228546319  |
| Issued Date:       | 18/08/2023 |

**To:** Astrea Locator  
**Phone:** Not Supplied  
**Fax:** Not Supplied  
**Email:** Astrea.Locator.3005839@mail.au.pac.pcgcs.com.au

|                                   |                                       |                                                                                                                                                      |
|-----------------------------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Dial before you dig Job #:</b> | 34866501                              |  <b>DIAL BEFORE<br/>YOU DIG</b><br><small>www.1100.com.au</small> |
| <b>Sequence #</b>                 | 228546318                             |                                                                                                                                                      |
| <b>Issue Date:</b>                | 18/08/2023                            |                                                                                                                                                      |
| <b>Location:</b>                  | 9 Thomas Street , Milton , NSW , 2538 |                                                                                                                                                      |

## Indicative Plans



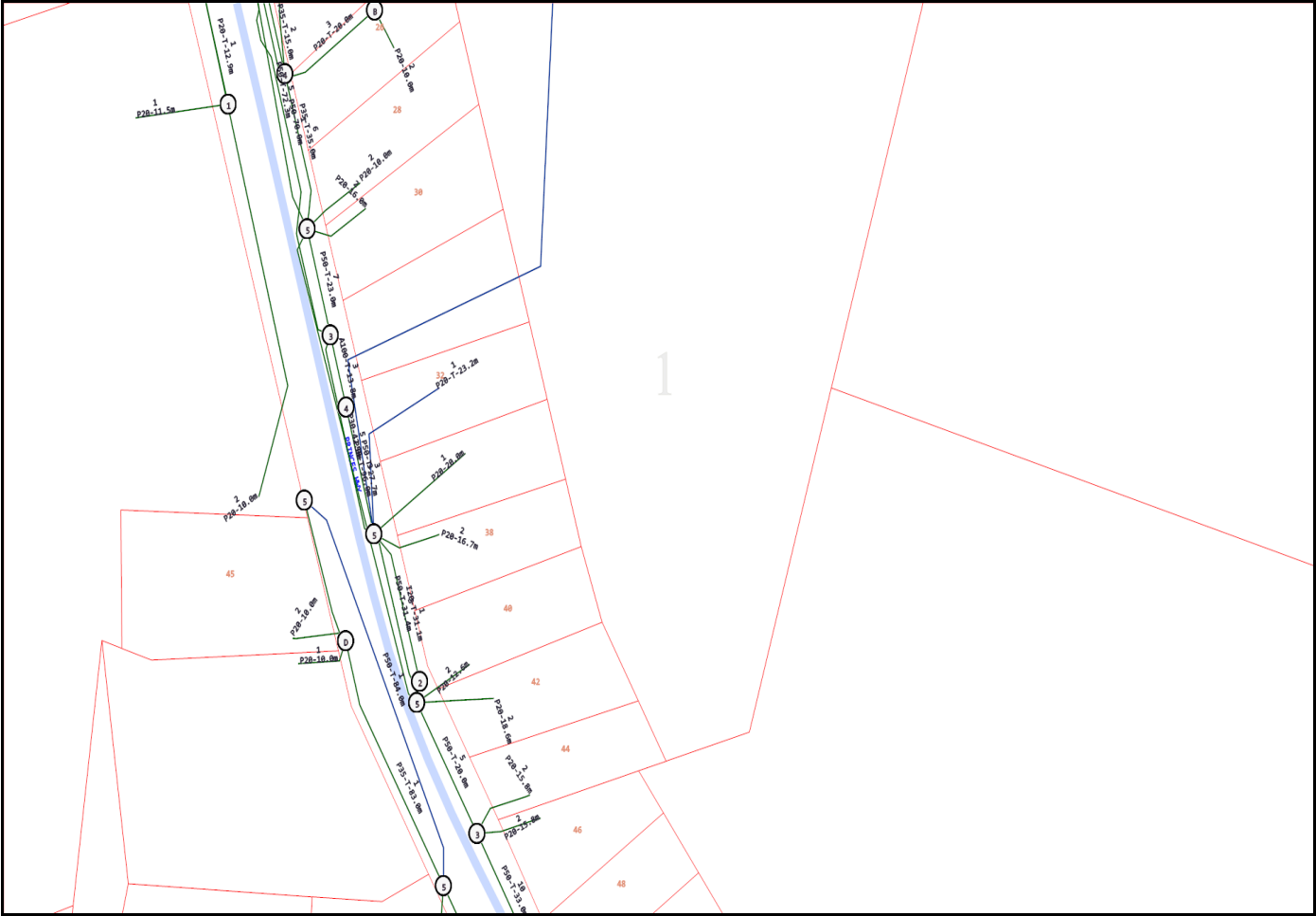


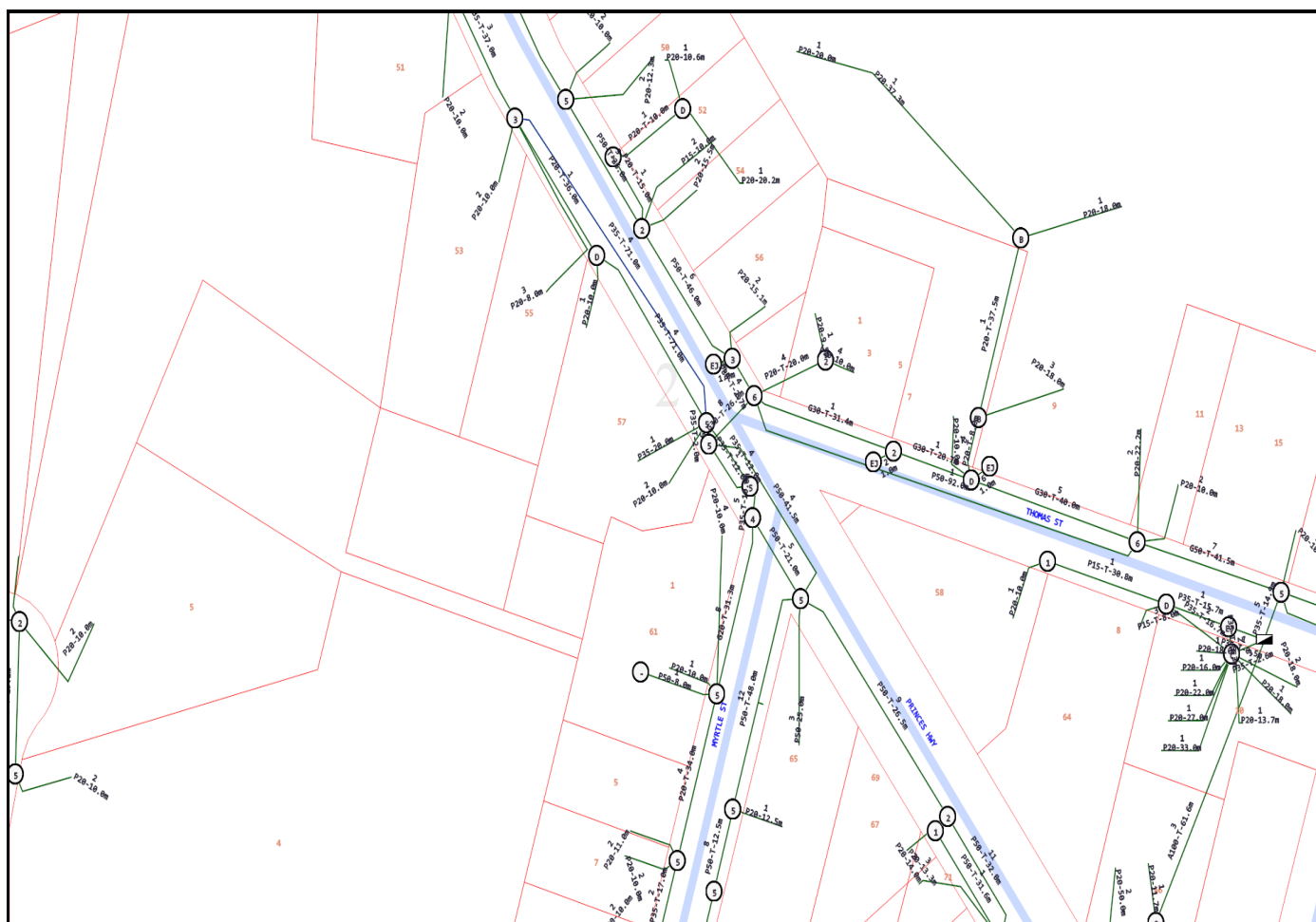


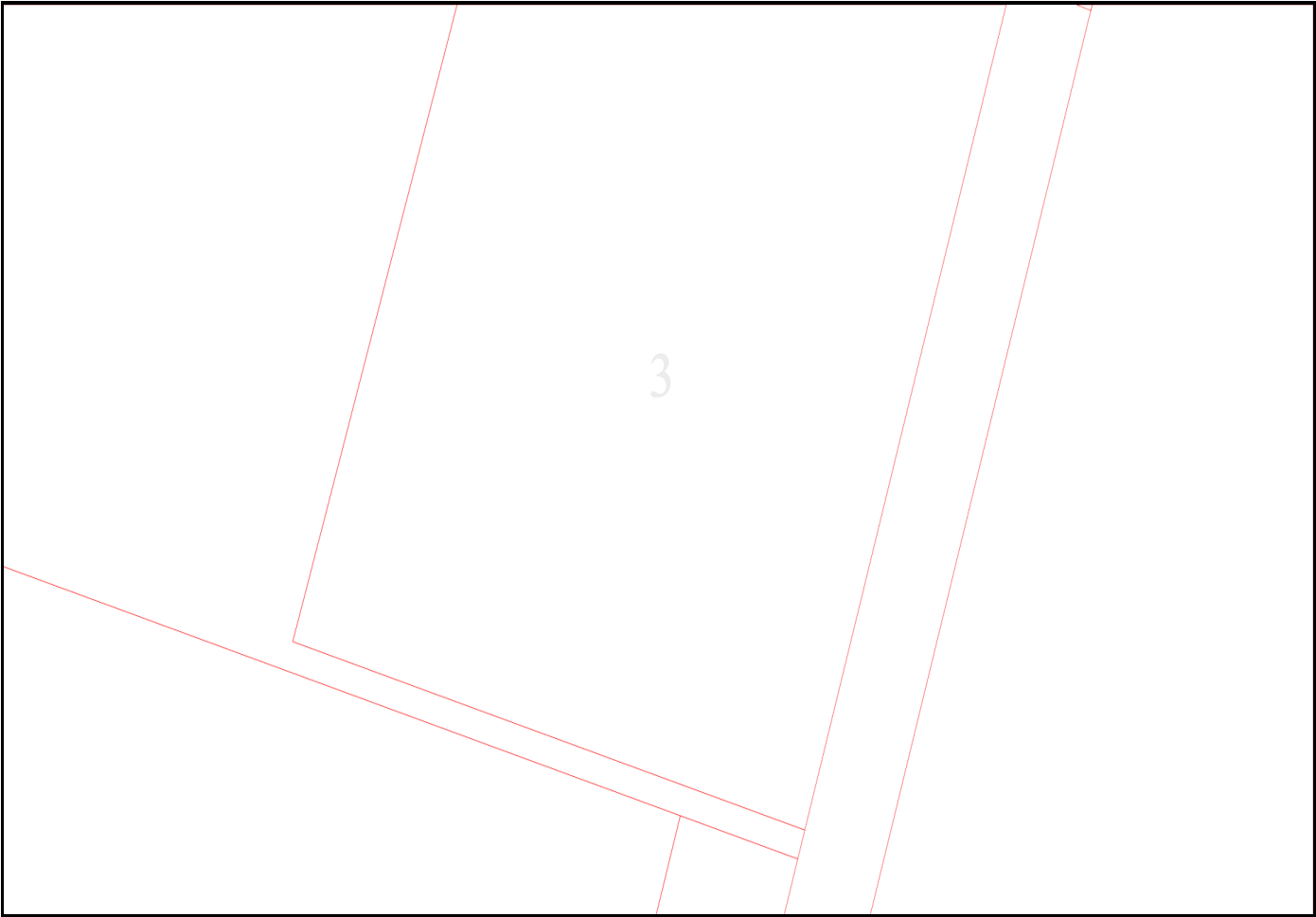
## LEGEND



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



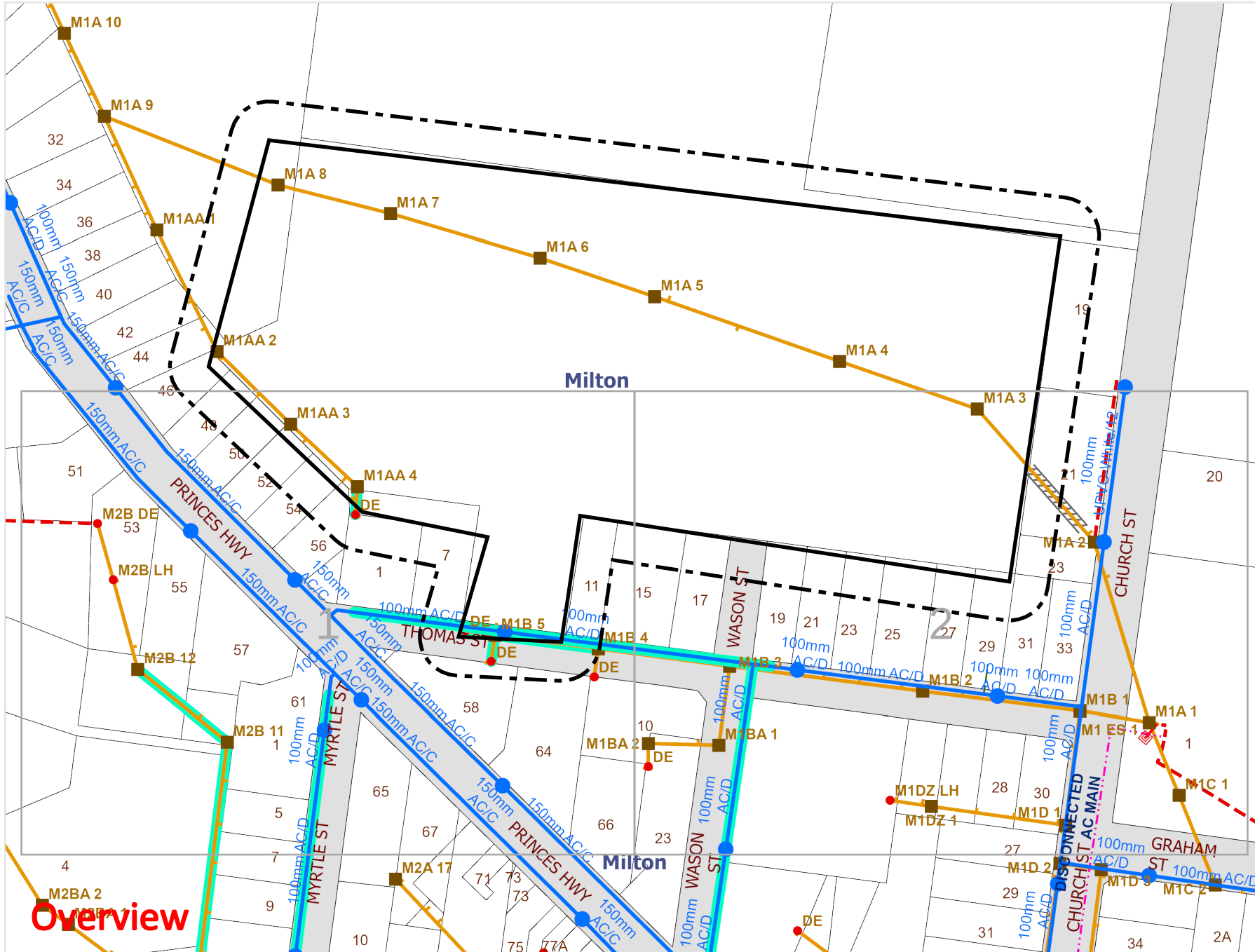








You must immediately report any damage to the **nbn™** network that you are/become aware of. Notification may be by telephone - 1800 626 329.



### Legend

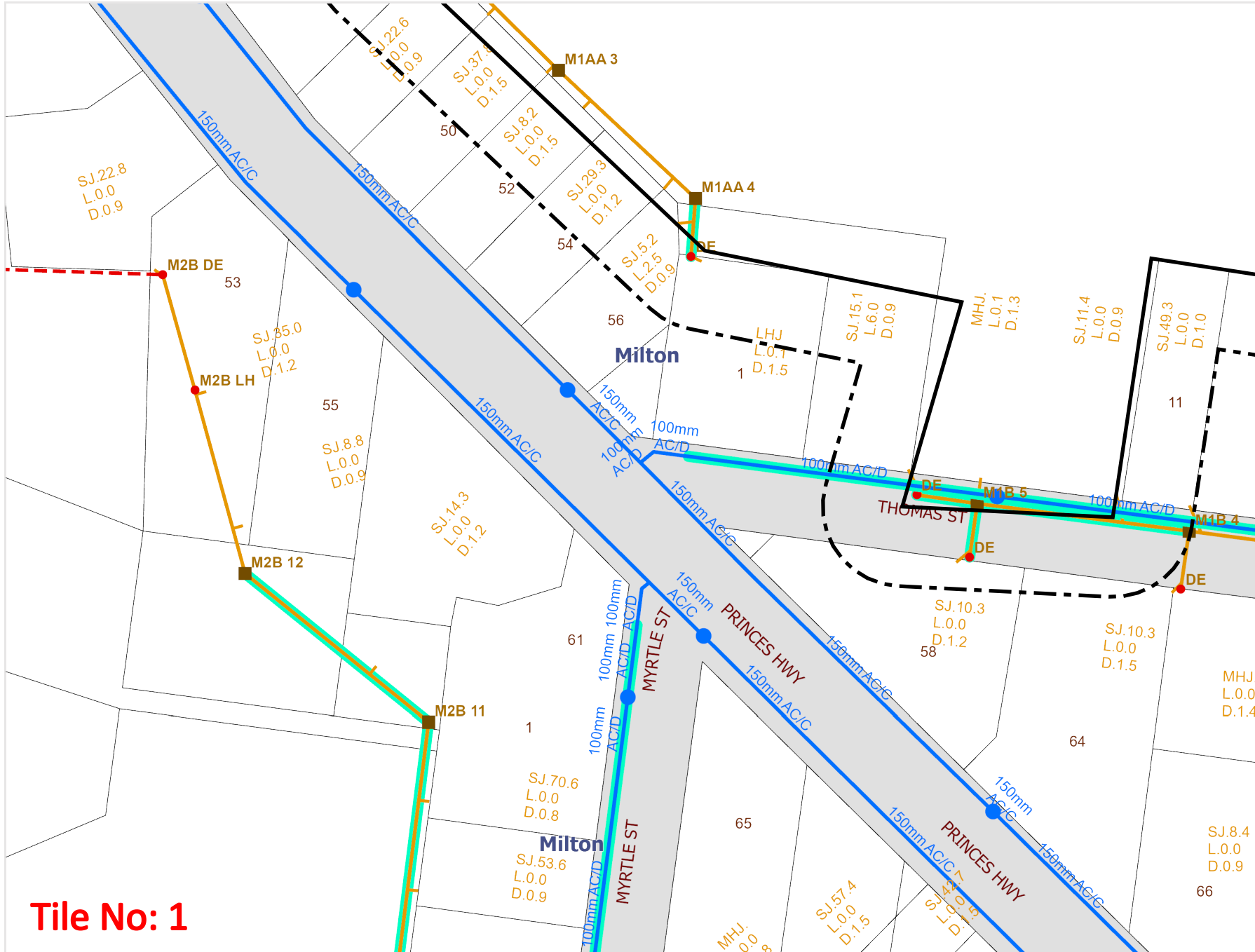
- Abandoned Main
- Critical
- Under Construction
- Concrete Encasement
- Pipe Encasement
- Under Road Conduit
- Pipe Sleeve
- REMS**
- Distribution Main
- Transfer Main
- Tertiary Treated Effluent Release Main
- Short Service Main
- Long Service Main
- Water**
- Hydrant
- Reticulation Main
- Trunk Main
- Raw Water Main
- Private Main
- Service Mains
- Sewer**
- Manhole
- Gravity Main
- Outfall Main
- Unconnected Main
- Overflow Main
- Rising Main
- Surcharge Main
- Low Pressure Sewer Main
- Discharge Pipe
- Junction Line
- Side Line



Scale: 1:2050  
Expires: 15/09/2023

**DISCLAIMER:** While reasonable measures have been taken to ensure the accuracy of the information contained in this plan response, neither Shoalhaven City Council or PelicanCorp shall have any liability whatsoever in relation to any loss, damage, cost or expense arising from the use of this plan response or the information contained in it or the completeness or accuracy of such information. Use of such information is subject to and constitutes acceptance of these terms.

**Overview**



### Legend

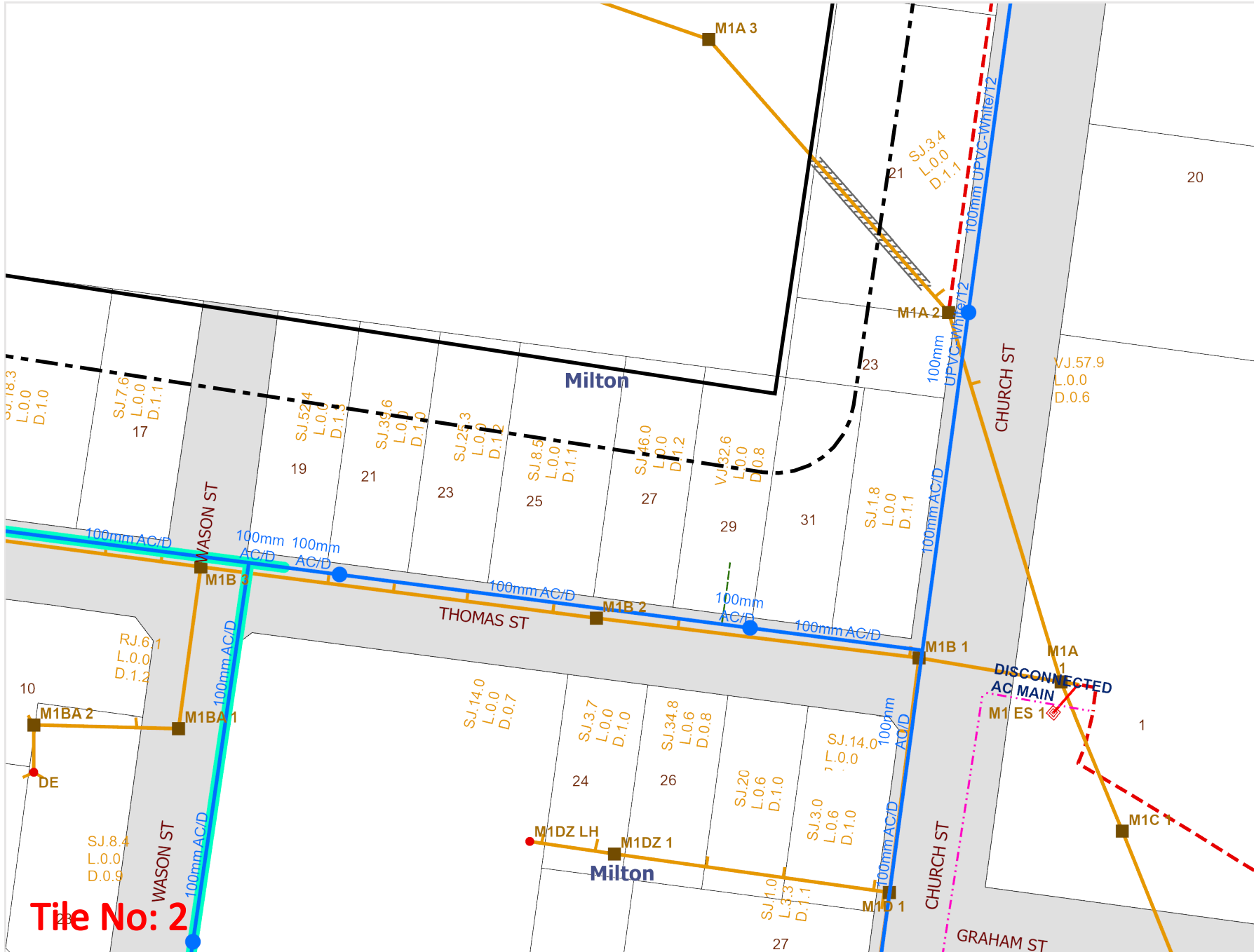
- Abandoned Main
- Critical
- Under Construction
- Concrete Encasement
- Pipe Encasement
- Under Road Conduit
- Pipe Sleeve
- REMS**
- Distribution Main
- Transfer Main
- Tertiary Treated Effluent Release Main
- Short Service Main
- Long Service Main
- Water**
- Hydrant
- Reticulation Main
- Trunk Main
- Raw Water Main
- Private Main
- Service Mains
- Sewer**
- Manhole
- Gravity Main
- Outfall Main
- Unconnected Main
- Overflow Main
- Rising Main
- Surcharge Main
- Low Pressure Sewer Main
- Discharge Pipe
- Junction Line
- Side Line



Scale: 1:1000  
Expires: 15/09/2023

**DISCLAIMER:** While reasonable measures have been taken to ensure the accuracy of the information contained in this plan response, neither Shoalhaven City Council or PelicanCorp shall have any liability whatsoever in relation to any loss, damage, cost or expense arising from the use of this plan response or the information contained in it or the completeness or accuracy of such information. Use of such information is subject to and constitutes acceptance of these terms.

**Tile No: 1**



### Legend

- Abandoned Main
- Critical
- Under Construction
- Concrete Encasement
- Pipe Encasement
- Under Road Conduit
- Pipe Sleeve
- REMS**
  - Distribution Main
  - Transfer Main
  - Tertiary Treated Effluent Release Main
  - Short Service Main
  - Long Service Main
- Water**
  - Hydrant
  - Reticulation Main
  - Trunk Main
  - Raw Water Main
  - Private Main
  - Service Mains
- Sewer**
  - Manhole
  - Gravity Main
  - Outfall Main
  - Unconnected Main
  - Overflow Main
  - Rising Main
  - Surcharge Main
  - Low Pressure Sewer Main
  - Discharge Pipe
  - Junction Line
  - Side Line

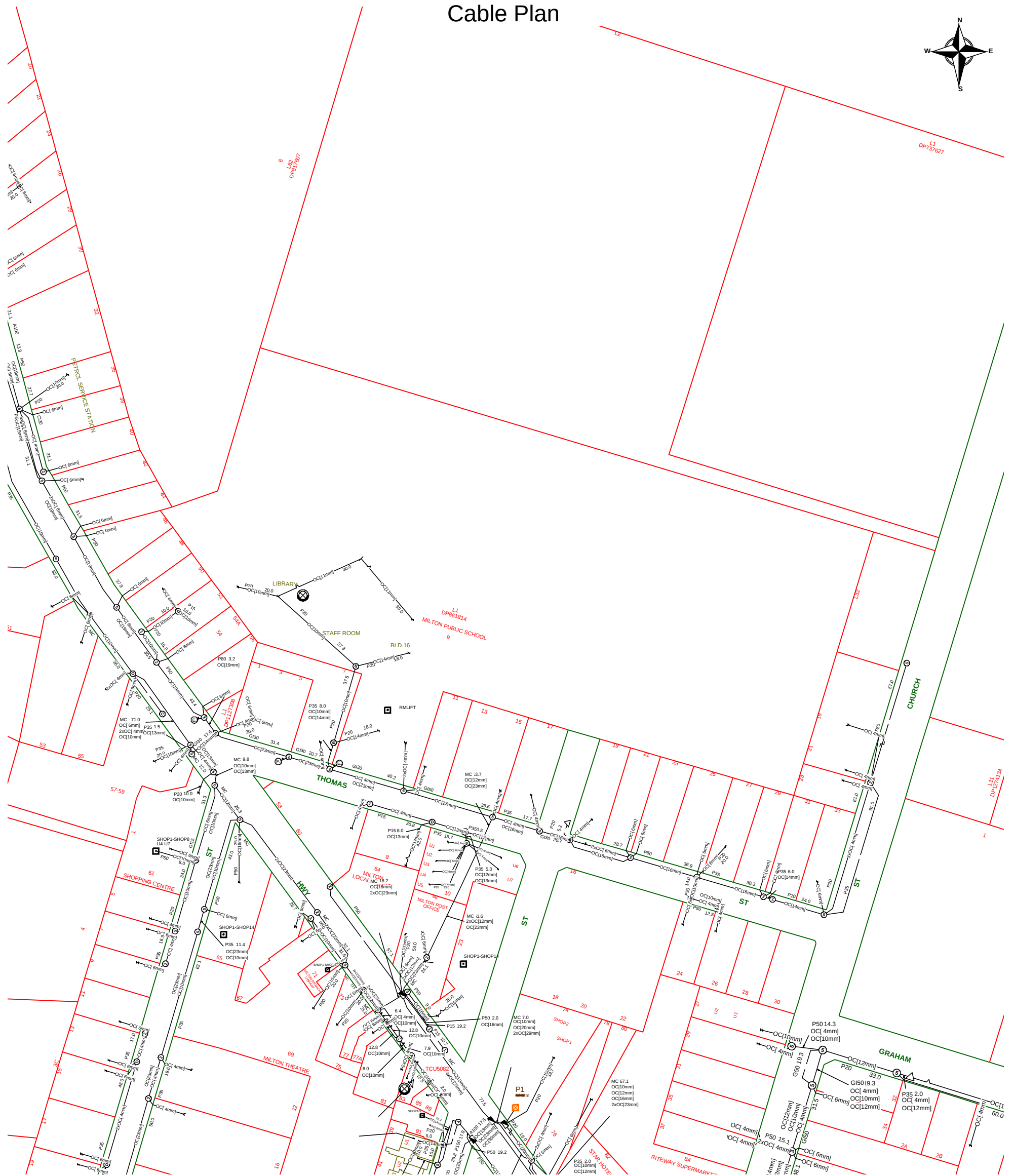


Scale: 1:1000  
Expires: 15/09/2023

**DISCLAIMER:** While reasonable measures have been taken to ensure the accuracy of the information contained in this plan response, neither Shoalhaven City Council or PelicanCorp shall have any liability whatsoever in relation to any loss, damage, cost or expense arising from the use of this plan response or the information contained in it or the completeness or accuracy of such information. Use of such information is subject to and constitutes acceptance of these terms.

**Tile No: 2**





TELSTRA LIMITED A.C.N. 086 174 781

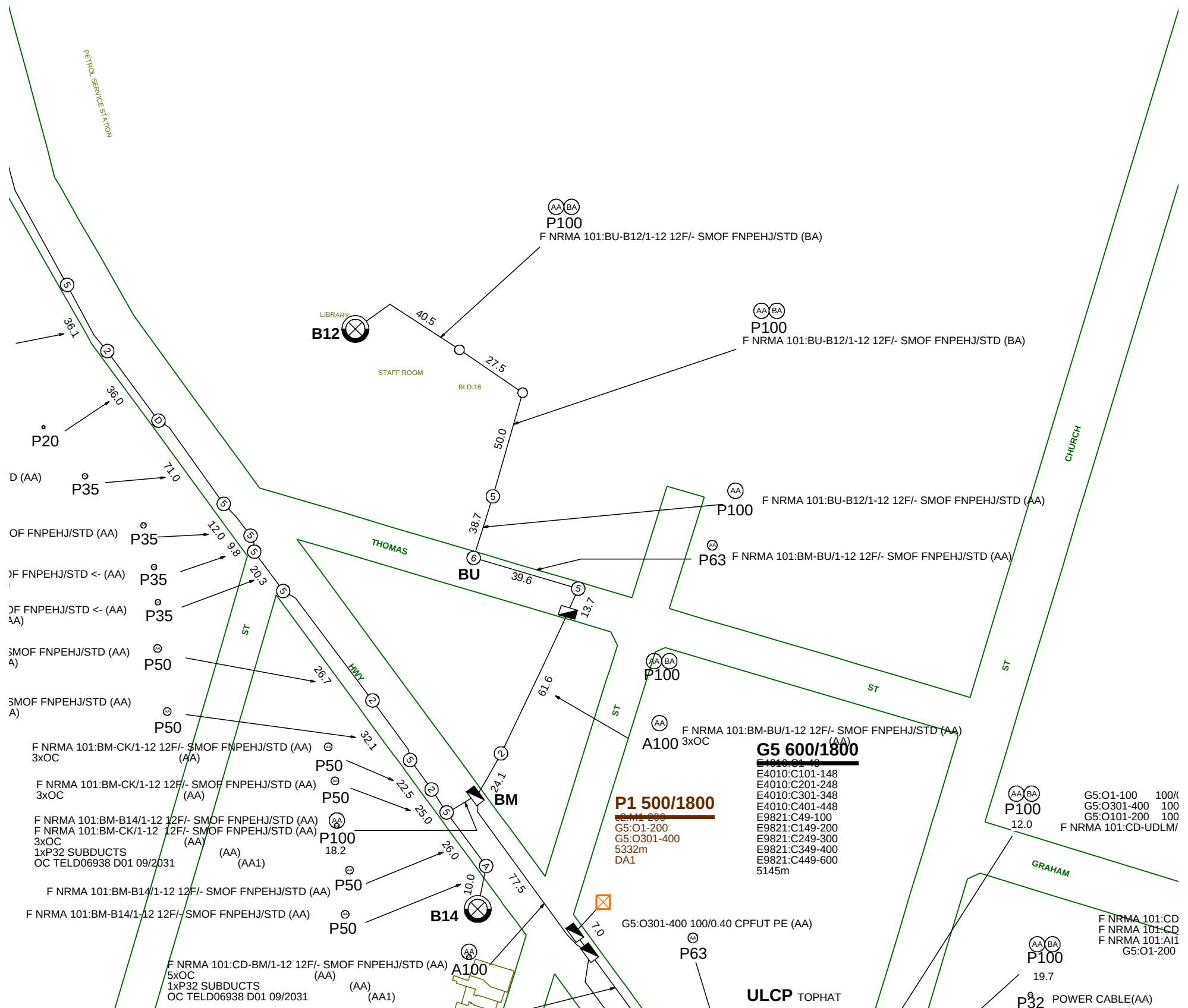
Sequence Number: 228546320

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.

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

See the Steps- Telstra Duty of Care that was provided in the email response.





Sequence Number: 228546320

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.

Generated On 18/08/2023 14:40:31

## Page 2 of 2

**APPENDIX C – SHEETED DETAIL SITE SURVEY**





A1

| UTILITY ASSETS LEGEND   |                  |
|-------------------------|------------------|
| <b>ELECTRICITY</b>      |                  |
| COMMS TELEPHONE LINE    | — T — T —        |
| COMMS OPTICAL FIBRE     | — OU — OU —      |
| COMMS HOUSE CONNECTION  | — TH — TH —      |
| <b>WATER MAIN</b>       |                  |
| RECYCLED WATER MAIN     | — WR — WR —      |
| WATER HOUSE CONNECTION  | — WH — WH —      |
| <b>LOW PRESSURE GAS</b> |                  |
| GAS HOUSE CONNECTION    | — GH — GH —      |
| <b>SEWER MAIN</b>       |                  |
| STORMWATER PIPE         | — SW — SW — SW — |
| OVERHEAD ELECTRICITY    | — OH — OH — OH — |

**UTILITY MAPPING NOTES:**

- Subsurface utility investigation was undertaken by Atrea Pty Ltd, the plan is to be read in conjunction with the subsurface utility investigation report.
- Positions are based on Astrea Class A & B point surface indicator(s) located during field survey. Confirmation of the exact position should be made to the relevant authorities prior to any excavation work. Other services may still exist.
- This plan shows a representation of the dwg model. This model should be viewed in a cadd environment to interpret this information.
- This utility plan is valid for 28 days starting from the date of the issue, as underground utility works are often updated.
- Electricity cables are not necessarily enclosed in conduits and are not necessarily covered with markers, tape or other indicators of their presence.
- All services have been electronically traced in the field and are shown here for diagrammatic purposes only. Depths shown are approximate only and should be verified prior to works.
- This plan includes information describing the location of subterranean features, which were purported to exist at the time of the survey. This information was compiled from a combination of field techniques and available data from cooperating utility authorities. Whilst all care has been taken in the preparation of this plan of survey, we cannot guarantee that the plan is without flaw of any kind.

**SUBSURFACE UTILITY INFORMATION (SUI) AS4588 LOCATION CLASS**

Labelling utility information by a classification code allows the user of this information to understand clearly how the information was collected and then place an appropriate amount of reliance on it. Project risks related to underground utilities can then be managed.

**GENERAL SURVEY LEGEND:**

DP - DRAINAGE PIT  
FQJM - DRAINAGE JUNCTION MANHOLE  
PMH - SEWER MANHOLE  
PWHV - HYDRANT  
PWSV - STOP VALVE  
PQL - GULLY PIT  
PQPM - GAS MARKER  
PQTP - GAS TEST POINT  
PPPL - POWER POLE  
PTSP - TELSTRA PIT  
TK - TOP OF KERB LP - UP OF GLITTER  
PO - PRAM RAMP DW - DRIVEWAY  
FP - FOOTPATH TW - TOP OF WALL

**CLASS A:** Information is the highest possible level of accuracy and is obtained by exposing the underground utility using a on-destructive excavation (pot holing) technique. The vertical information for this locating method is to the top or shallowest part of the located service. The 3D location is recorded by survey as an X, Y, Z coordinate.

**CLASS B:** Information is collected by designating the horizontal and vertical location of underground utilities by using electromagnetic pipe and cable locators, sondes or flexi-trace, ground penetrating radar and acoustic pulse equipment. This is the most common form of utility locating and although an X, Y and Z axis can be established it is not always entirely accurate due to differing electromagnetic fields, soil conditions and multiple banks of cables affecting the locating signal.

**CLASS C:** Information is collected by correlating the survey of visible utility surface features such as marker plates or water hydrants and acquired Dial-Before-You-Dig plans to "draw" a string which shows the approximate position of services. This method does not usually show multiple banks of cables and does not always show three dimensional information. Electronically traced locate marks with poor scratchy signals are represented as QL-C.

**CLASS D:** Information is the most basic level of utility locations using only information based on existing Dial-Before-You-Dig plans and by measuring boundary offsets etc. This method of utility locations should always be treated as an indication of the presence of a service only and should not be used for design. GPR scans are also represented as QL-D as the GPR image cannot be confirmed to its origin point. Depths on GPR scan must be treated as indicative only.



| GENERAL SURVEY NOTES:                                                                                                          |  |
|--------------------------------------------------------------------------------------------------------------------------------|--|
| • THIS TITLER/LOOK IS AN INTEGRAL PART OF THIS DWG AND SHOULD NOT BE REMOVED                                                   |  |
| • COORDINATE SYSTEM MGA 2020                                                                                                   |  |
| • LEVEL DATUM IS AHD                                                                                                           |  |
| • IT IS THE RESPONSIBILITY OF ANY USER OF THIS DATA TO ENSURE ANY OTHER DATA BEING INTEGRATED IS ON THE SAME COORDINATE SYSTEM |  |
| • REFER TO THE FACE OF THE PLAN FOR TITLE NOTATIONS                                                                            |  |
| • BOUNDARIES HAVE BEEN DEFINED BY SURVEY                                                                                       |  |
| • CONTOURS ARE INDICATIVE OF LAND FORM. SPOT LEVELS TAKE PRECEDENCE.                                                           |  |

|                     |                            |
|---------------------|----------------------------|
| SCALE 1:600         |                            |
| 0 10 20 30 40 50 60 |                            |
| ORIGIN              | SS14194                    |
| ORIENTATION         | E 266758.984 N 6088996.644 |
| AHD ORIGIN          | SS14194-AA153069           |
|                     | SS14194 RL80.856           |

|                                                                                     |
|-------------------------------------------------------------------------------------|
| CLIENT : SCHOOLS INFRASTRUCTURE                                                     |
| PLAN IN RELATION TO : MILTON PUBLIC SCHOOL                                          |
| SHOWING : TOPOGRAPHICAL SURVEY AND UTILITY MAPPING IN ACCORDANCE WITH AS4588.1-2019 |
| PURPOSE: ENGINEERING DESIGN                                                         |
| SHEET 01 OF 05                                                                      |

**DIGITAL SURVEY SOLUTIONS**  
**UTILITY MAPPING**

SUITE 6.01, TRINITY II, TRINITY BUSINESS PARK  
39 DELHI ROAD, NORTH RYDE 2113  
SCOTT DEVERIDGE 0425 285 270  
www.astrea.com.au

**Astrea**

|                                                |                                                       |
|------------------------------------------------|-------------------------------------------------------|
| JOB REFERENCE : A4065                          | I/D 7453                                              |
| DWG No. A4065-TOPO&UTIL                        |                                                       |
| SURVEYOR: BD                                   | SCOTT DEVERIDGE                                       |
| DATE OF SURVEY: OCT 2023                       | REGISTERED LAND SURVEYOR                              |
| UTILITY LOCATOR: LB                            | UNDER THE SURVEYING AND SPATIAL INFORMATION ACT, 2002 |
| © ASTREA 2023 - UNAUTHORISED USE IS PROHIBITED |                                                       |
| REV                                            | AMENDMENTS                                            |
|                                                | DATE                                                  |





**UTILITY ASSETS LEGEND**

**ELECTRICITY**

COMMS TELEPHONE LINE

COMMS OPTICAL FIBRE

COMMS HOUSE CONNECTION

**WATER MAIN**

RECYCLED WATER MAIN

WATER HOUSE CONNECTION

**LOW PRESSURE GAS**

GAS HOUSE CONNECTION

**SEWER MAIN**

STORMWATER PIPE

OVERHEAD ELECTRICITY

**UTILITY MAPPING NOTES:**

1. Subsurface utility investigation was undertaken by Astrea Pty Ltd, the plan is to be read in conjunction with the subsurface utility investigation report.

2. Positions are based on Astrea Class A & B point surface indicator(s) located during field survey. Confirmation of the exact position should be made to the relevant authorities prior to any excavation work. Other services may still exist.

3. This plan shows a representation of the dwg model. This model should be viewed in a cadd environment to interpret this information.

4. This utility plan is valid for 28 days starting from the date of the issue, as underground utility works are often updated.

5. Electricity cables are not necessarily enclosed in conduits and are not necessarily covered with markers, tape or other indicators of their presence.

6. All services have been electronically traced in the field and are shown here for diagrammatic purposes only. Depths shown are approximate only and should be verified prior to works.

7. This plan includes information describing the location of subterranean features, which were purported to exist at the time of the survey. This information was compiled from a combination of field techniques and available data from cooperating utility authorities. Whilst all care has been taken in the preparation of this plan of survey, we cannot guarantee that the plan is without flaw of any kind.

**SUBSURFACE UTILITY INFORMATION (SUI) AS488 LOCATION CLASS**

Labelling utility information by a classification code allows the user of this information to understand clearly how the information was collected and then place an appropriate amount of reliance on it. Project risks related to underground utilities can then be managed.

**GENERAL SURVEY LEGEND:**

DP - DRAINAGE PIT  
FJUM - DRAINAGE JUNCTION MANHOLE  
PRMH - SEWER MANHOLE  
PW-HV - HYDRANT  
PWSV - STOP VALVE  
PQUL - GULLY PIT  
PQPM - GAS MARKER  
PQTP - GAS TEST POINT  
PPPL - POWER POLE  
PTSP - TELSTRA PIT  
TK - TOP OF KERB  
LP - UP OF GLITTER  
PO - PRAM RAMP  
DW - DRIVEWAY  
FP - FOOTPATH  
TW - TOP OF WALL

**GENERAL SURVEY NOTES:**

• THIS TITLER/LOOK IS AN INTEGRAL PART OF THIS DWG AND SHOULD NOT BE REMOVED

• COORDINATE SYSTEM MGA 2020

• LEVEL DATUM IS AHD

• IT IS THE RESPONSIBILITY OF ANY USER OF THIS DATA TO ENSURE ANY OTHER DATA BEING INTEGRATED IS ON THE SAME COORDINATE SYSTEM

• REFER TO THE FACE OF THE PLAN FOR TITLE NOTATIONS

• BOUNDARIES HAVE BEEN DEFINED BY SURVEY

• CONTOURS ARE INDICATIVE OF LAND FORM. SPOT LEVELS TAKE PRECEDENCE.

**CLIENT : SCHOOLS INFRASTRUCTURE**

**PLAN IN RELATION TO : MILTON PUBLIC SCHOOL**

**SHOWING : TOPOGRAPHICAL SURVEY AND UTILITY MAPPING IN ACCORDANCE WITH AS4588.1-2019**

**PURPOSE: ENGINEERING DESIGN**

**SHEET 02 OF 05**

**DIGITAL SURVEY SOLUTIONS UTILITY MAPPING**

SUITE 6.01, TRINITY II, TRINITY BUSINESS PARK  
39 DELHI ROAD, NORTH RYDE 2113  
SCOTT DEVERIDGE 0425 285 270  
www.astrea.com.au

**ASTREA**

**JOB REFERENCE : A4065**

DWG No. A4065-TOPO&UTIL

SURVEYOR: BD

DATE OF SURVEY: OCT 2023

UTILITY LOCATOR: LB

**© ASTREA 2023 - UNAUTHORISED USE IS PROHIBITED**

**SCOTT DEVERIDGE**

REGISTERED LAND SURVEYOR  
UNDER THE SURVEYING AND SPATIAL INFORMATION ACT, 2002

REV AMENDMENTS DATE





- TITLE NOTATIONS:**
1. RESERVATIONS AND CONDITIONS IN THE CROWN GRANT
  2. EASEMENT TO DRAIN WATER 1 WIDE APPURTENANT TO THE SUBJECT LAND (VIDE DP 1007477)
  3. RESTRICTION ON THE USE OF LAND (A) (VIDE DP 1120833)
  4. EASEMENT FOR PADMOUNT SUBSTATION 2.75 WIDE AFFECTING THE SUBJECT LAND (DP 1120833) (B)
  5. EASEMENT FOR UNDERGROUND CABLES 1 WIDE AFFECTING THE SUBJECT LAND (DP 1120833) (C)

A1

| UTILITY ASSETS LEGEND   |                  |
|-------------------------|------------------|
| <b>ELECTRICITY</b>      |                  |
| COMMS TELEPHONE LINE    | — T — T —        |
| COMMS OPTICAL FIBRE     | — OU — OU —      |
| COMMS HOUSE CONNECTION  | — TH — TH —      |
| <b>WATER MAIN</b>       |                  |
| RECYCLED WATER MAIN     | — WR — WR —      |
| WATER HOUSE CONNECTION  | — WH — WH —      |
| <b>LOW PRESSURE GAS</b> |                  |
| GAS HOUSE CONNECTION    | — GH — GH —      |
| <b>SEWER MAIN</b>       |                  |
| STORMWATER PIPE         | — SW — SW — SW — |
| OVERHEAD ELECTRICITY    | — OH — OH — OH — |

- UTILITY MAPPING NOTES:**
1. Subsurface utility investigation was undertaken by Atrea Pty Ltd. the plan is to be read in conjunction with the subsurface utility investigation report.
  2. Positions are based on Astrea Class A & B point surface indicator(s) located during field survey. Confirmation of the exact position should be made to the relevant authorities prior to any excavation work. Other services may still exist.
  3. This plan shows a representation of the dwg model. This model should be viewed in a cadd environment to interpret this information.
  4. This utility plan is valid for 28 days starting from the date of the issue, as underground utility works are often updated.
  5. Electricity cables are not necessarily enclosed in conduits and are not necessarily covered with markers, tape or other indicators of their presence.
  6. All services have been electronically traced in the field and are shown here for diagrammatic purposes only. Depths shown are approximate only and should be verified prior to works.
  7. This plan includes information describing the location of subterranean features, which were purported to exist at the time of the survey. This information was compiled from a combination of field techniques and available data from cooperating utility authorities. Whilst all care has been taken in the preparation of this plan of survey, we cannot guarantee that the plan is without flaw of any kind.
- SUBSURFACE UTILITY INFORMATION (SUI) AS488 LOCATION CLASS**
- Labelling utility information by a classification code allows the user of this information to understand clearly how the information was collected and then place an appropriate amount of reliance on it. Project risks related to underground utilities can then be managed.

- CLASS A:** Information is the highest possible level of accuracy and is obtained by exposing the underground utility using a on-destructive excavation (pot holing) technique. The vertical information for this locating method is to the top or shallowest part of the located service. The 3D location is recorded by survey as an X, Y, Z coordinate.
- CLASS B:** Information is collected by designating the horizontal and vertical location of underground utilities by using electromagnetic pipe and cable locators, sondes or flexi-trace, ground penetrating radar and acoustic pulse equipment. This is the most common form of utility locating and although an X, Y and Z axis can be established it is not always entirely accurate due to differing electromagnetic fields, soil conditions and multiple banks of cables affecting the locating signal.
- CLASS C:** Information is collected by correlating the survey of visible utility surface features such as marker plates or water hydrants and acquired Dial-Before-You-Dig plans to "draw" a string which shows the approximate position of services. This method does not usually show multiple banks of cables and does not always show three dimensional information. Electronically traced locate marks with poor scratchy signals are represented as QL-C.
- CLASS D:** Information is the most basic level of utility locations using only information based on existing Dial-Before-You-Dig plans and by measuring boundary offsets etc. This method of utility locations should always be treated as an indication of the presence of a service only and should not be used for design. GPR scans are also represented as QL-D as the GPR image cannot be confirmed to its origin point. Depths on GPR scan must be treated as indicative only.

**GENERAL SURVEY LEGEND:**

- DP - DRAINAGE PIT  
FJUM - DRAINAGE JUNCTION MANHOLE  
PSMH - SEWER MANHOLE  
PW-HY - HYDRANT  
PWSV - STOP VALVE  
PQUL - GULLY PIT  
PPGM - GAS MARKER  
POTF - GAS TEST POINT  
PPPL - POWER POLE  
PTSP - TELSTRA PIT  
TK - TOP OF KERB  
LP - LIP OF GUTTER  
PO - PRAM RAMP  
DW - DRIVEWAY  
FP - FOOTPATH  
TW - TOP OF WALL



| GENERAL SURVEY NOTES:                                                                                                          |  |
|--------------------------------------------------------------------------------------------------------------------------------|--|
| * THIS TITLE/LOOK IS AN INTEGRAL PART OF THIS DWG AND SHOULD NOT BE REMOVED                                                    |  |
| * COORDINATE SYSTEM MGA 2020                                                                                                   |  |
| * LEVEL DATUM IS AHD                                                                                                           |  |
| * IT IS THE RESPONSIBILITY OF ANY USER OF THIS DATA TO ENSURE ANY OTHER DATA BEING INTEGRATED IS ON THE SAME COORDINATE SYSTEM |  |
| * REFER TO THE FACE OF THE PLAN FOR TITLE NOTATIONS                                                                            |  |
| * BOUNDARIES HAVE BEEN DEFINED BY SURVEY                                                                                       |  |
| * CONTOURS ARE INDICATIVE OF LAND FORM. SPOT LEVELS TAKE PRECEDENCE.                                                           |  |

| SCALE 1:200 |                            |
|-------------|----------------------------|
| 0           | 5 10 15 20                 |
| ORIGIN      | SS14194                    |
| ORIENTATION | E 266758 984 N 6088996.644 |
| AHD ORIGIN  | SS14194-AA153069           |
|             | SS14194 RL80.856           |

|                                                                                     |
|-------------------------------------------------------------------------------------|
| CLIENT : SCHOOLS INFRASTRUCTURE                                                     |
| PLAN IN RELATION TO : MILTON PUBLIC SCHOOL                                          |
| SHOWING : TOPOGRAPHICAL SURVEY AND UTILITY MAPPING IN ACCORDANCE WITH AS4588.1-2019 |
| PURPOSE: ENGINEERING DESIGN                                                         |
| SHEET 03 OF 05                                                                      |

**DIGITAL SURVEY SOLUTIONS**  
**UTILITY MAPPING**  
SUITE 6.01, TRINITI II, TRINITI BUSINESS PARK  
39 DELHI ROAD, NORTH RYDE 2113  
SCOTT DEVERIDGE 0425 285 270  
www.astrea.com.au

**Astrea**

|                                                |                                                       |
|------------------------------------------------|-------------------------------------------------------|
| JOB REFERENCE : A4065                          | I/D 7453                                              |
| DWG No. A4065-TOPO&UTIL                        |                                                       |
| SURVEYOR: BD                                   | SCOTT DEVERIDGE                                       |
| DATE OF SURVEY: OCT 2023                       | REGISTERED LAND SURVEYOR                              |
| UTILITY LOCATOR: LB                            | UNDER THE SURVEYING AND SPATIAL INFORMATION ACT, 2002 |
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| REV                                            | AMENDMENTS                                            |
|                                                | DATE                                                  |





TITLE NOTATIONS:  
1. RESERVATIONS AND CONDITIONS IN THE CROWN GRANT  
2. EASEMENT TO DRAIN WATER 1 WIDE APPURTENANT TO THE SUBJECT LAND (VIDE DP 1007477)  
3. RESTRICTION ON THE USE OF LAND (A) (VIDE DP 1120833)  
4. EASEMENT FOR PADMOUNT SUBSTATION 2.75 WIDE AFFECTING THE SUBJECT LAND (DP 1120833) (B)  
5. EASEMENT FOR UNDERGROUND CABLES 1 WIDE AFFECTING THE SUBJECT LAND (DP 1120833) (C)

| UTILITY ASSETS LEGEND  |                  |
|------------------------|------------------|
| ELECTRICITY            |                  |
| COMMS TELEPHONE LINE   | — T — T —        |
| COMMS OPTICAL FIBRE    | — OU — OU —      |
| COMMS HOUSE CONNECTION | — TH — TH —      |
| WATER MAIN             |                  |
| RECYCLED WATER MAIN    | — WR — WR —      |
| WATER HOUSE CONNECTION | — WH — WH —      |
| LOW PRESSURE GAS       |                  |
| GAS HOUSE CONNECTION   | — GH — GH —      |
| SEWER MAIN             | — S — S —        |
| STORMWATER PIPE        | — SW — SW — SW — |
| OVERHEAD ELECTRICITY   | — OH — OH — OH — |

UTILITY MAPPING NOTES:  
1. Subsurface utility investigation was undertaken by Atrea Pty Ltd, the plan is to be read in conjunction with the subsurface utility investigation report.  
2. Positions are based on Astrea Class A & B point surface indicator(s) located during field survey. Confirmation of the exact position should be made to the relevant authorities prior to any excavation work. Other services may still exist.  
3. This plan shows a representation of the dwg model. This model should be viewed in a cadd environment to interpret this information.  
4. This utility plan is valid for 28 days starting from the date of the issue, as underground utility works are often updated.  
5. Electricity cables are not necessarily enclosed in conduits and are not necessarily covered with markers, tape or other indicators of their presence.  
6. All services have been electronically traced in the field and are shown here for diagrammatic purposes only. Depths shown are approximate only and should be verified prior to works.  
7. This plan includes information describing the location of subterranean features, which were purported to exist at the time of the survey. This information was compiled from a combination of field techniques and available data from cooperating utility authorities. Whilst all care has been taken in the preparation of this plan of survey, we cannot guarantee that the plan is without flaw of any kind.  
SUBSURFACE UTILITY INFORMATION (SUI) AS4588 LOCATION CLASS  
Labelling utility information by a classification code allows the user of this information to understand clearly how the information was collected and then place an appropriate amount of reliance on it. Project risks related to underground utilities can then be managed.

CLASS A: Information is the highest possible level of accuracy and is obtained by exposing the underground utility using a on-destructive excavation (pot holing) technique. The vertical information for this locating method is to the top or shallowest part of the located service. The 3D location is recorded by survey as an X, Y, Z coordinate.  
CLASS B: Information is collected by designating the horizontal and vertical location of underground utilities by using electromagnetic pipe and cable locators, sondes or flexi-trace, ground penetrating radar and acoustic pulse equipment. This is the most common form of utility locating and although an X, Y and Z axis can be established it is not always entirely accurate due to differing electromagnetic fields, soil conditions and multiple banks of cables affecting the locating signal.  
CLASS C: Information is collected by correlating the survey of visible utility surface features such as marker plates or water hydrants and acquired Dial-Before-You-Dig plans to "draw" a string which shows the approximate position of services. This method does not usually show multiple banks of cables and does not always show three dimensional information. Electronically traced locate marks with poor scratchy signals are represented as QL-C.  
CLASS D: Information is the most basic level of utility locations using only information based on existing Dial-Before-You-Dig plans and by measuring boundary offsets etc. This method of utility locations should always be treated as an indication of the presence of a service only and should not be used for design. GPR scans are also represented as QL-D as the GPR image cannot be confirmed to its origin point. Depths on GPR scan must be treated as indicative only.

GENERAL SURVEY LEGEND:  
DP - DRAINAGE PIT  
FJUM - DRAINAGE JUNCTION MANHOLE  
PSMH - SEWER MANHOLE  
PWHV - HYDRANT  
PWSV - STOP VALVE  
PQUL - GULLY PIT  
PQPM - GAS MARKER  
PQTP - GAS TEST POINT  
PPPL - POWER POLE  
PTSP - TELSTRA PIT  
TK - TOP OF KERB LP - LIP OF GUTTER  
PO - PRAM RAMP DW - DRIVEWAY  
FP - FOOTPATH TW - TOP OF WALL

SCALE 1:200

0 5 10 15 20

ORIGIN SS14194  
E 266758 984 N 6088996.644  
ORIENTATION SS14194-AA153069  
AHD ORIGIN SS14194 RL80.856

**DIAL BEFORE YOU DIG**  
www.1100.com.au

GENERAL SURVEY NOTES:  
• THIS TITLEBLOCK IS AN INTEGRAL PART OF THIS DWG AND SHOULD NOT BE MOVED  
• COORDINATE SYSTEM MGA 2020  
• LEVEL DATUM IS AHD  
• IT IS THE RESPONSIBILITY OF ANY USER OF THIS DATA TO ENSURE ANY OTHER DATA BEING INTEGRATED IS ON THE SAME COORDINATE SYSTEM  
• REFER TO THE FACE OF THE PLAN FOR TITLE NOTATIONS  
• BOUNDARIES HAVE BEEN DEFINED BY SURVEY  
• CONTOURS ARE INDICATIVE OF LAND FORM. SPOT LEVELS TAKE PRECEDENCE.

CLIENT : SCHOOLS INFRASTRUCTURE  
PLAN IN RELATION TO : MILTON PUBLIC SCHOOL  
SHOWING : TOPOGRAPHICAL SURVEY AND UTILITY MAPPING IN ACCORDANCE WITH AS4588.1-2019  
PURPOSE: ENGINEERING DESIGN  
SHEET 04 OF 05

DIGITAL SURVEY SOLUTIONS  
UTILITY MAPPING  
SUITE 6.01, TRINITY II, TRINITY BUSINESS PARK  
39 DELHI ROAD, NORTH RYDE 2113  
SCOTT DEVERIDGE 0425 285 270  
www.astrea.com.au

**Astrea**

|                                                |            |                                                       |
|------------------------------------------------|------------|-------------------------------------------------------|
| JOB REFERENCE : A4065                          |            | I/D 7453                                              |
| DWG No. A4065-TOPO&UTIL                        |            |                                                       |
| SURVEYOR: BD                                   |            | SCOTT DEVERIDGE                                       |
| DATE OF SURVEY: OCT 2023                       |            | REGISTERED LAND SURVEYOR                              |
| UTILITY LOCATOR: LB                            |            | UNDER THE SURVEYING AND SPATIAL INFORMATION ACT, 2002 |
| © ASTREA 2023 - UNAUTHORISED USE IS PROHIBITED |            |                                                       |
| REV                                            | AMENDMENTS | DATE                                                  |
|                                                |            |                                                       |
|                                                |            |                                                       |
|                                                |            |                                                       |
|                                                |            |                                                       |





|                        |                     |
|------------------------|---------------------|
| ELECTRICITY            | — EU — EU —         |
| COMMS TELEPHONE LINE   | — T — T —           |
| COMMS OPTICAL FIBRE    | — OU — OU —         |
| COMMS HOUSE CONNECTION | — TH — TH —         |
| WATER MAIN             | —                   |
| RECYCLED WATER MAIN    | — WR — WR —         |
| WATER HOUSE CONNECTION | — WH — WH —         |
| LOW PRESSURE GAS       | —                   |
| GAS HOUSE CONNECTION   | — GH — GH —         |
| SEWER MAIN             | — S — S —           |
| STORMWATER PIPE        | — SW — SW — SW —    |
| OVERHEAD ELECTRICITY   | — OHP — OHP — OHP — |

1. Subsurface utility investigation was undertaken by Atmos Pity Ltd. (the plan is read in conjunction with the subsurface utility investigation report).
2. Position of the excavation on the plan is indicated by a circled (g) located during field survey. Confirmation of the exact position should be made to the relevant authorities prior to any excavation work. Other services may still exist. The position of the reported excavation on the plan is not to be viewed as a candid endorsement to interpret this information.
3. This utility plan is valid for 28 days starting from the date of the issue, as underground utility work often changes.
4. Electricity cables are not necessarily enclosed in conduits and are not necessarily covered with markers, tape or other indicators of their presence. All services are shown on the plan for information purposes only. Diagrammatic purposes only. Depths shown are approximate and only should be verified prior to works.
5. The plan is for information describing the location of subterranean features, which were purported to exist at the time of the survey. This information was compiled from a combination of field techniques and available data from competent authorities. It is not intended to be a true and accurate representation of this plan of survey, nor can we guarantee that the plan is without fault of any kind.

**SUBSURFACE UTILITY INFORMATION (SUI) ASH488 LOCATION CLASS**

Labelling utility information by a classification code allows the user of this information to understand clearly how the information was collected and then place an appropriate level of confidence in the information. The classification codes are defined as follows:

**CLASS A:** Information is the highest possible level of accuracy and is obtained by using the underground utility by using an on-destructive excavation (pot holing) technique. The vertical information for this locating method is to the top or shallowest part of the located service. The 3D location is recorded by survey as an X, Y, Z coordinate.

**CLASS B:** Information is collected by designating the horizontal and vertical location of underground utilities by using electromagnetic pipe and cable locators, sonar or ground penetrating radar. The horizontal location is to the center of the service. The most common form of utility locating and although an X, Y and Z axis can be established it is not always entirely accurate due to differing electromagnetic fields, soil conditions and multiple hard to detect materials.

**CLASS C:** Information is collected by correlating the survey of visible utility surface features such as marker pipes or water hydrants and accurate before-You-dig plans to "draw" a string which shows the approximate position of services. This method does not usually show multiple banks of cables and does not always show three dimensional locations. Electronically traced locate marks with poor accuracy signals are represented as QLC.

**CLASS D:** Information is the most basic level of utility locations using only information based on existing Before-You-Dig plans and by measuring boundary offsets only. This method of utility locations should always be treated as an indication of the presence of a service and only should not be used for design. GPS points are also represented as QLC-D and are not always confirmed to the origin point. Depths on GPS scan are treated as indicative only.

DP - DRAINAGE PIT  
 PDJM - DRAINAGE JUNCTION MANHOLE  
 PSMH - SEWER MANHOLE  
 PWNY - HYDRANT  
 PWVS - STOP VALVE  
 PGUL - GULLY PIT  
 PSMH - GAS MARKER  
 GTGP - GAS TEST POINT  
 PPPL - POWER POLE  
 TPTSP - TELESTRA PIT  
 TK - TOP OF KERB / UP - UP OF GUTTER  
 PC - PAVEMENT DW - DRIVEWAY  
 FP - FOOTPATH TW - TOP OF WALL

REFLECTIVE TYPE  
 TIAA A100  
 33.15

SEEKING LOCATION  
 LOCATION OF CENTER OF PIPE  
 LOCATION OF THE TOP OF PIPE

**DIAL BEFORE  
 YOU DIG**  
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\* THIS TITLEBLOCK IS AN INTEGRAL PART OF THIS DWG AND SHOULD NOT BE REMOVED

- \* COORDINATE SYSTEM MGA 2020
- \* LEVEL DATUM IS AHD
- \* IT IS THE RESPONSIBILITY OF ANY USER OF THIS DATA TO ENSURE ANY OTHER DATA IS BASED ON THE SAME COORDINATE SYSTEM
- \* REFER TO THE FACE OF THE PLAN FOR TITLE NOTATIONS
- \* BOUNDARIES HAVE BEEN DEFINED BY SURVEY
- \* CONTOURS ARE INDICATIVE OF LAND FORM. SPOT LEVELS TAKE PRECEDENCE.

SCALE 1:200

0 5 10 15 20

|                                                                                       |             |                                       |
|---------------------------------------------------------------------------------------|-------------|---------------------------------------|
|  | ORIGIN      | SS14194<br>E 266758.984 N 60688959.64 |
|                                                                                       | ORIENTATION | SS14194-AA153069                      |
|                                                                                       | AHD ORIGIN  | SS14194 RL80.856                      |

SHEET 05 OF 05

# Astrea

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|     |      |
|-----|------|
| NTS | DATE |
|-----|------|

I/D  
7453



## APPENDIX D – Underground Service Locator Field Report.

# SUBSURFACE UTILITY INVESTIGATION REPORT FOR

Schools Infrastructure

Milton Public School



1300 009 346

[astrea.com.au](http://astrea.com.au)

[info@astrea.com.au](mailto:info@astrea.com.au)

COMPILED BY: LB

INVESTIGATION DATE: 25-Sep-2023



|                |                              |         |             |
|----------------|------------------------------|---------|-------------|
| CLIENT:        | Schools Infrastructure       | DATE:   | 25-Sep-2023 |
| SITE CONTACT:  | Glenn Fransis                | MOBILE: |             |
| EMAIL:         | Glenn.francis@det.nsw.edu.au |         |             |
| WORK LOCATION: | Milton Public School         |         |             |

|                      |                                                                                |                         |             |
|----------------------|--------------------------------------------------------------------------------|-------------------------|-------------|
| INVESTIGATION BY:    | LB                                                                             | DBYD REF. NO:           | 34866501    |
| SITE SPECIFIC PLANS: | NA                                                                             | DBYD ENQUIRY DATE:      | 18-Aug-2023 |
| SWMS NO:             | COMPLETED: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> |                         |             |
| CLIENT SITE REVIEW:  | COMPLETED: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> | ASTREA SITE SUPERVISOR: | LB          |

**LOCATING QUALITY LEVELS PURSUANT TO AS5488-2019**

|                                |                                                                                                                                                                                                                        |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Quality Level A<br><b>QL-A</b> | <i>Visualisation / Confirmation of a Service, position and depth, by non- destructive digging (NDD) methods or points of entry to pits or manholes. Recommended Quality Level prior to construction or excavation.</i> |
| Quality Level B<br><b>QL-B</b> | <i>Locating of Services using Radio Detection methods. Acceptable range of accuracy for Quality Level B is 300mm for position and 500mm in Depth.</i>                                                                  |
| Quality Level C<br><b>QL-C</b> | <i>Services Marked out using only surface features in the field. Such surface features include, Hydrants, Gas Markers, Pits etc. No indication of service location or depth can be attained from Quality Level C.</i>  |
| Quality Level D<br><b>QL-D</b> | <i>Services marked up using DBYD plans only. Offsets on plans can be used to obtain such indication of services in field but no indication of service confirmation can be given.</i>                                   |

| SERVICE:           | QUALITY LEVEL:                           |                                          |                                          |                                          | COMMENT: | TRACE METHOD:                |                             |  |
|--------------------|------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|----------|------------------------------|-----------------------------|--|
| TELECOMMUNICATIONS | QL-A <input type="checkbox"/>            | QL-B <input checked="" type="checkbox"/> | QL-C <input type="checkbox"/>            | QL-D <input type="checkbox"/>            |          | GPR <input type="checkbox"/> | EM <input type="checkbox"/> |  |
| OPTICAL FIBRE      | QL-A <input type="checkbox"/>            | QL-B <input checked="" type="checkbox"/> | QL-C <input type="checkbox"/>            | QL-D <input type="checkbox"/>            |          | GPR <input type="checkbox"/> | EM <input type="checkbox"/> |  |
| ELECTRICITY        | QL-A <input type="checkbox"/>            | QL-B <input checked="" type="checkbox"/> | QL-C <input type="checkbox"/>            | QL-D <input type="checkbox"/>            |          | GPR <input type="checkbox"/> | EM <input type="checkbox"/> |  |
| WATER              | QL-A <input type="checkbox"/>            | QL-B <input checked="" type="checkbox"/> | QL-C <input type="checkbox"/>            | QL-D <input type="checkbox"/>            |          | GPR <input type="checkbox"/> | EM <input type="checkbox"/> |  |
| GAS                | QL-A <input type="checkbox"/>            | QL-B <input checked="" type="checkbox"/> | QL-C <input type="checkbox"/>            | QL-D <input checked="" type="checkbox"/> |          | GPR <input type="checkbox"/> | EM <input type="checkbox"/> |  |
| SEWER              | QL-A <input checked="" type="checkbox"/> | QL-B <input checked="" type="checkbox"/> | QL-C <input checked="" type="checkbox"/> | QL-D <input checked="" type="checkbox"/> |          | GPR <input type="checkbox"/> | EM <input type="checkbox"/> |  |
| STORMWATER         | QL-A <input checked="" type="checkbox"/> | QL-B <input checked="" type="checkbox"/> | QL-C <input checked="" type="checkbox"/> | QL-D <input type="checkbox"/>            |          | GPR <input type="checkbox"/> | EM <input type="checkbox"/> |  |
| UNKNOWN            | QL-A <input type="checkbox"/>            | QL-B <input type="checkbox"/>            | QL-C <input type="checkbox"/>            | QL-D <input type="checkbox"/>            |          | GPR <input type="checkbox"/> | EM <input type="checkbox"/> |  |

## Site Notes

Inspection openings have been opened and measured. These have been connected sonically or traced using a flex rod. Some inspection lines could not be traced as plumbing features were sealed shut or trace rods became stuck in pipes.

Shoal Haven pits could not be matched to the plan, these may not exist or they may be buried, recommend using a CCTV to determine if these exist.

Plumbing features in the demountable toilets were PVC and could not be traced.



## Scope of Works



### Colour Legend

|               |  |
|---------------|--|
| Telstra/Comms |  |
| Electricity   |  |
| Water         |  |
| Gas           |  |
| Stormwater    |  |
| Sewer         |  |
| Unknown       |  |

### Linestyle Legend

|             |  |
|-------------|--|
| Class A,B,C |  |
|-------------|--|

EOT = END OF TRACE

### Code Legend

|                                  |                             |                       |
|----------------------------------|-----------------------------|-----------------------|
| EU - Electricity Underground     | LG - Low Pressure Gas Main  | WM - Water Main       |
| TN - Telstra Network underground | HG - High Pressure Gas Main | RWM - Recycled Water  |
| OU - Optic Fibre Underground     | SM - Sewer Main             | UP - Unknown Service  |
| CN - Other Comms Network         | RSM - Rising Sewer Main     | SW - Drainage Network |

Class D (not identified)

UTL = UNABLE TO LIFT FOD = FULL OF DEBRIS FOW = FULL OF WATER































## DISCLAIMERS

*This plan includes information describing the location of subterranean features, which were purported to exist at the time of the survey. This information was compiled from a combination of field techniques and available data from cooperating utility authorities. Whilst all care has been taken in the preparation of this plan of survey, Astrea cannot guarantee that the plan is without flaw of any kind. Therefore, Astrea expressly disclaims all liability for errors or omissions of any kind whatsoever or from any loss, damage or other consequences, which may arise from any person relying on anything, stated on this plan. In particular, it is recommended that users satisfy themselves as to the location of subterranean features such as utilities, which may or may not be shown on this plan by deploying vacuum excavation techniques.*

REPORTED BY: LB

DATE: 25-Sep-2023

SIGNATURE:



**CERTIFIED  
LOCATOR**  
[www.dbydlocator.com](http://www.dbydlocator.com)



ACCREDITED  
PLANT  
LOCATOR

