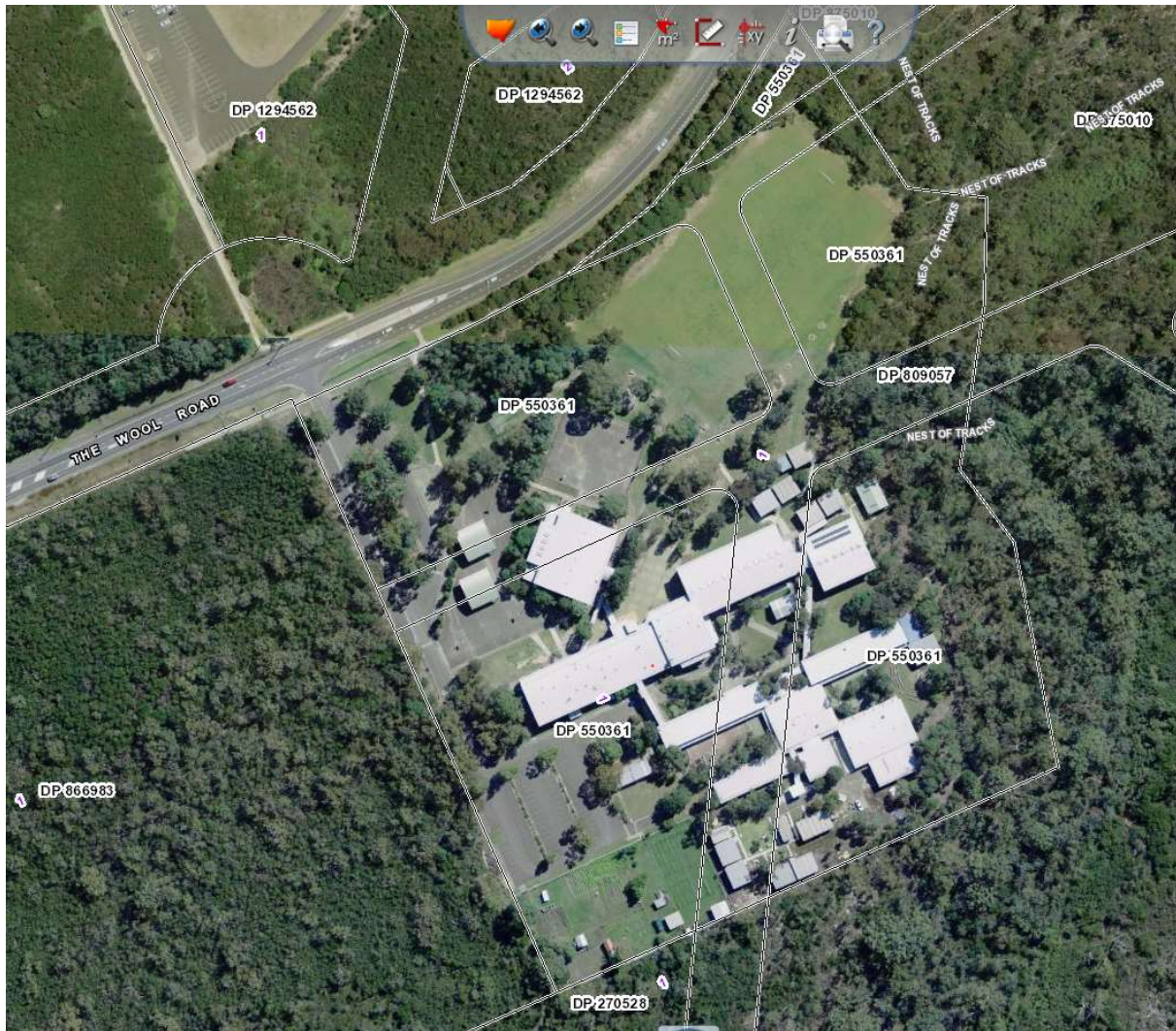


Surveying Consulting Services

Part 1 – Desktop Analysis Review for Vincentia High School

Prepared for:

(Commercial in Confidence)



Project Name	SINSW Due Diligence – Vincentia HS
Report Title	Survey Report
File Name	Land Survey DD – Vincentia – 8593 - Astrea – DDW005391/23

School Name	Vincentia High School	Consultancy Name	Astrea Pty Ltd
School ID Number	8593	Report Status	Final
School Address	142 The Wool Road, Vincentia.	Report Date:	15.12.2023
School Region	Southern NSW	Contract Number:	DDW005391/23

Report Information

Author	Scott Deveridge
Company Name	Astrea Pty Ltd
Contact Details	s.deveridge@astrea.com.au Mobile: 0425 285 270
Report Version	A
Report Date	30.10.2023
Project Reference	A4066-Vincentia

Document History

Issue Date	Status	Comment/Description	Author	Reviewer	Approved
30.10.2023	Draft	Initial Issue	Scott Deveridge	Edyta Krynicka	
15.12.2023	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

Table of Contents

1	EXECUTIVE SUMMARY.....	4
2	INTRODUCTION AND BACKGROUND.....	5
2.1	Limitations	5
3	LAND SURVEY DESTOP ANALYSIS REVIEW	6
3.1	Site Information.....	6
3.2	Survey Search Results.....	6
3.3	Cadastral Map Search results	11
3.4	Topographic Survey Information results	12
3.5	BYDA Search and Underground Service Detection results.....	13
4	RECOMMENDATION AND CONCLUSION	22
	APPENDIX A – CADASTRAL SEARCH DOCUMENTS	23
	APPENDIX B – BYDA SEARCH DOCUMENTS	57
	APPENDIX C – SHEETED DETAIL SITE SURVEY.....	79
	APPENDIX D – UNDERGROUND SERVICE LOCATORS FIELD REPORT.....	85

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 550361 and Lot 1 in DP 809057, is subject to Reservations and conditions contained in the crown grant and contain a notation on title that the land excludes minerals. The area of the existing site is 8.094 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

Vincentia High 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.

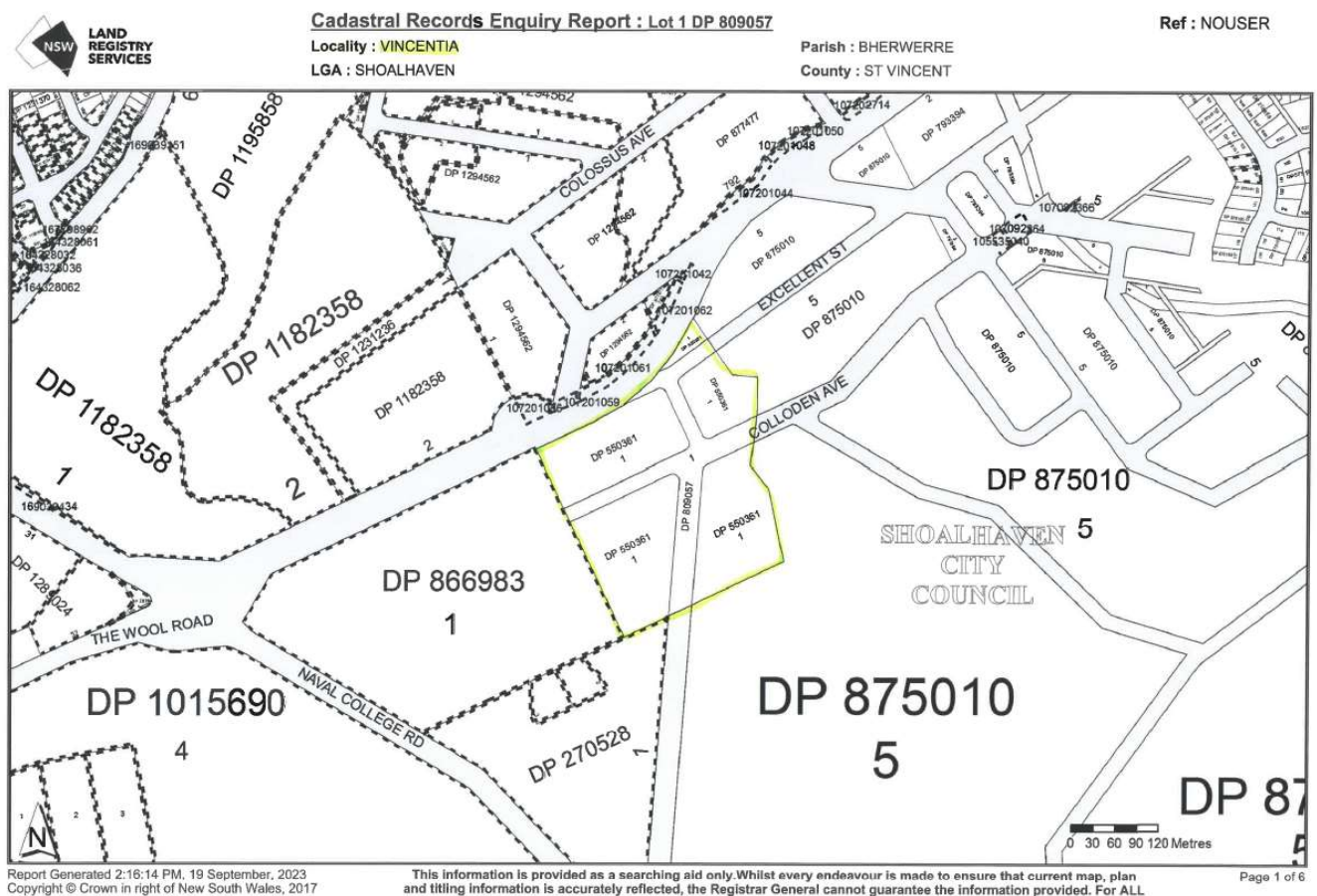
3 LAND SURVEY DESTOP ANALYSIS REVIEW

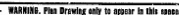
3.1 Site Information

Vincentia High School is located at 142 The Wool Road, Vincentia. This is situated in the Local Government Area of Shoalhaven, Parish of Bherwerre, and County of St Vincent. The site is 8.094 ha in size and consists of land in certificate of titles 1/550361 and 1/809057.

3.2 Survey Search Results

A cadastral records enquiry was undertaken and confirmed, for the address of 142 The Wool Road, Vincentia. The land is bound by The Wool Road in the north and national park to the east, south and west. Two unformed roads abut the site to the east and one unformed and unnamed road abuts the land to the south. The land holding is contained within certificate of titles 1/550361 and 1/809057 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 diagrams DP 550361 and DP 809057. 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: 1/550361

SEARCH DATE	TIME	EDITION NO	DATE
-----	----	-----	----
19/9/2023	2:17 PM	1	24/5/1994

LAND

LOT 1 IN DEPOSITED PLAN 550361
AT VINCENTIA
LOCAL GOVERNMENT AREA SHOALHAVEN
PARISH OF BHERWERRE COUNTY OF ST VINCENT
TITLE DIAGRAM DP550361

FIRST SCHEDULE

MINISTER FOR EDUCATION (AP U286648)

SECOND SCHEDULE (2 NOTIFICATIONS)

- 1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)
- 2 LAND EXCLUDES MINERALS BY THE CROWN GRANT OF 137 ACRES 3 ROODS

NOTATIONS

UNREGISTERED DEALINGS: NIL

*** END OF SEARCH ***



**LAND
REGISTRY
SERVICES**

NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

Title Search

Information Provided Through
Aussearch
Ph. 02 9054 6867 Fax.

FOLIO: 1/809057

SEARCH DATE -----	TIME ----	EDITION NO -----	DATE ----
19/9/2023	2:17 PM	1	5/8/1991

LAND

LOT 1 IN DEPOSITED PLAN 809057
AT VINCENTIA
LOCAL GOVERNMENT AREA SHOALHAVEN
PARISH OF BHERWERRE COUNTY OF ST VINCENT
TITLE DIAGRAM DP809057

FIRST SCHEDULE

MINISTER FOR SCHOOL EDUCATION AND YOUTH AFFAIRS (PA62688)

SECOND SCHEDULE (1 NOTIFICATION)

1 LAND EXCLUDES MINERALS -VIDE MEMORANDUM T447400

NOTATIONS

UNREGISTERED DEALINGS: NIL

*** END OF SEARCH ***

The existing land, Lot 1 in DP 550361 and Lot 1 in DP 809057, is subject to Reservations and conditions contained in the crown grant and contain a notation on title that the land excludes minerals. The area of the existing site is 8.094 Ha.

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.

Scims records were searched and the permanent survey control marks adopted for the survey are shown below. Australian Height Datum and MGA 2020 has been adopted as the coordinate system for the survey.



SCIMS SURVEY MARK REPORT AS AT: 22-SEP-2023

Your Reference: vincentia

Search Number: 1102354

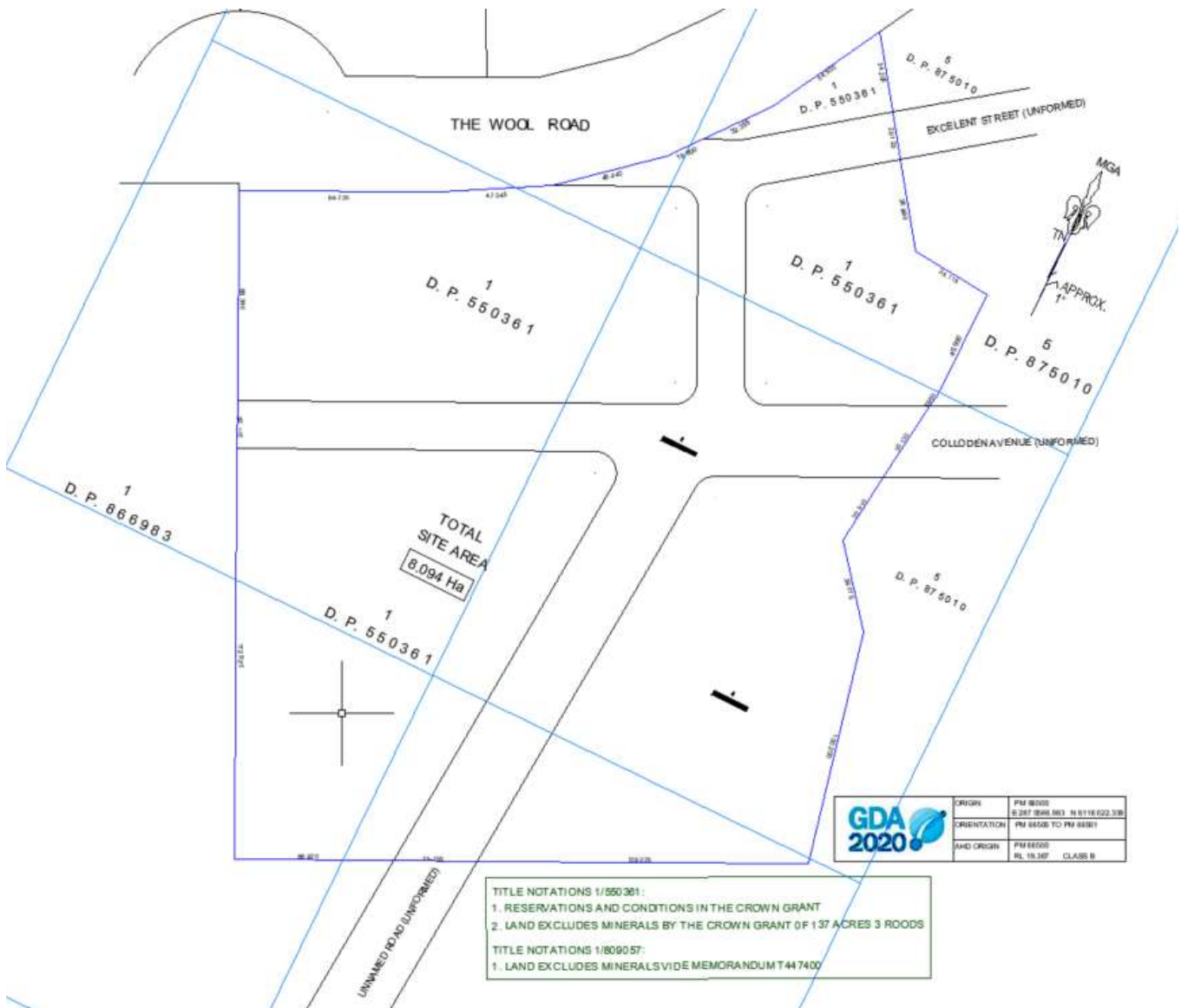
MARK NAME STATUS	COORDINATES AND HEIGHTS				CLASS	PU	LU	SOURCE	CSF CONVERGENCE AUSGEIOD2020
PM 66500	Horizontal coordinates are adjusted (or initialised) in GDA2020								
	MGA2020	287056.963	6116022.339	56	B	0.03	0.04	301189	1.000153
	GDA2020	-35° 04' 33.97479"		150° 39' 52.11638"		-1° 20' 33.53"			
	GDA2020	Ellipsoidal Height		38.	U			300780	
	AHD71	Normal-Orthometric		19.367	B			210375	18.648
PM 66501	Horizontal coordinates are adjusted (or initialised) in GDA2020								
	MGA2020	287148.053	6116179.025	56	B	0.03	0.04	301189	1.000153
	GDA2020	-35° 04' 28.96186"		150° 39' 55.85517"		-1° 20' 31.21"			
	GDA2020	Ellipsoidal Height		36.	U			300780	
	AHD71	Normal-Orthometric		17.600	B			210375	18.652

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 and main vehicular access from The Wool Road.

The existing land, Lot 1 in DP 550361 and Lot 1 in DP 809057, is subject to Reservations and conditions contained in the crown grant and contain a notation on title that the land excludes minerals. The area of the existing site is 8.094 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 1:1000 and the last 4 sheets at a scale of 1:300 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 34866513

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: Vincentia High School
Working on Behalf of: Private
Enquiry Date: 18/08/2023
Start Date: 21/08/2023
End Date: 21/09/2023

Address:
142 The Wool Road
Vincentia NSW 2540

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
- For more information on safe excavation practices, visit 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
228546382	Endeavour Energy	(02) 9853 4161	NOTIFIED
228546381	NBN Co NswAct	1800 687 626	NOTIFIED
228546380	Shoalhaven Water	(02) 4429 3214	NOTIFIED
228546383	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	
Quality Level D	- (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.
Quality Level C	- (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.
Quality Level 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.
Quality Level A	- (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
	<i>Water Meter Fire Hydrant Booster –</i> <i>Located at the Main Vehicle entry gate</i>
	<i>Sewer Rising Main/ Pump out –</i> <i>Located on the Northern Boundary off the Wool Rd</i>
	<i>LPG Storage Tank –</i> <i>Located adjacent to the staff carpark</i>

	<i>Main Communications Pit entry point -</i> <i>Located on western CNR or The Wool Rd and School Entry</i>
	<i>Irrigation Tank – Located on the Northern Boundary off the Wool Rd</i>
	<i>Endeavour Energy Electrical substation/Transformer –</i> <i>Located adjacent to the staff carpark off the main building C</i>
	<i>Stormwater discharge pit (western side).</i> <i>Located on the CNR of the Wool Rd and School entry</i>

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, 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 has substantial debris. Pit has been joined into the network to quality level C specification.

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 jetting of blockages 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 causing 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 has no lifting points and cannot be manually lifted by a two-person team.

Confined Space – Confined spaces have been investigated from the surface only via means of visual inspection, GPR tracing or clamping of services and tracing of conductive services. Confined space establishment is recommended where additional information of pits/chambers is required.



Image 4 – UP04 Large retention chamber cannot be safely investigated without confined space setup.

Locked Pits – Some pits have been locked by service authorities – These may require service representatives to provide access/or attend site.



Image 5 – Sewer Rising Main pit locked – Shoalhaven water to provide access if internal information is required.

Asset Register – Trace Limitations

Pit Asset	Limitation	Comment	Recommendation
UP04	Safety – Confined Space Full of Debris	Large retention pit – unknow functionality – The pit is full of debris and needs a confined space setup to investigate further	Confined space setup and pit clean out, Potential robotic CCTV inspection
SEW02	Incomplete trace downstream outlet	A trace rod has been inserted into the downstream outlet; this has become stuck along the alignment – due depth of the pit	Robotic CCTV camera/trace
SW04	Incomplete trace to next downstream Pit/outfall	A trace rod has been inserted into the downstream outlet. This has become stuck along the alignment	Robotic CCTV camera/Trace
SW32	UTO - Unable to open pit	The pit Lid does not have any lifting points and is too heavy to manure otherwise	Install lifting points or mechanical lift

SW45	FOD – Pit Full of Debris	The pit is Full of debris and conduits are unable to be visually inspected – pipe details have been assumed to QLC specification	Clean Pit and resurvey if required
SW40	FOD – Pit is full of Debris	The pit is full of debris and pipes are unable to be visually inspected. pipes have been joined into the network to quality level D	Clean pit/pipe
SW66	Pipe Blockage	A trace rod has been inserted into the pipe but has become stuck due to a blockage	Pipe cleaning/CCTV
Sewer Rising Main	Non-conductive services	Poly sewer service is a nonconductive and non-traceable via conventional EM There is no trace via GPR	NDD over suspected alignment if required.
Main Water Feed	Conductive Service	The pipe is made out of PVC material and is nonconductive, GPR has been utilised to trace it where possible however the trace became poor under reinforced concrete	NDD to confirm GPR alignment
Water Feed to Agricultural area	Non-conductive services	A poly water line is said to exist between main meterage point and agricultural yard – No GPR pickup online	NDD Known/Potential alignment
Sports Field Irrigation	Non-conductive services	Poly Water service is a nonconductive material and cannot be traced via conventional EM, GPR has been unsuccessful in tracing the network	NDD potential GPR targets in areas where information is required
Sewer Inspection Openings Various	Partial trace on pipe networks	Flexible trace rods have been inserted into inspection openings – in some instances these have become stuck in plumbing features e.g., “U” bends and corners etc.	CCTV Camera alignments where required
Sewer Connections – Demountable	Sewer discharge has been assumed class D	No inspection pits present	Require Licenced plumber to open sewer connections to insert rod and trace.

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.

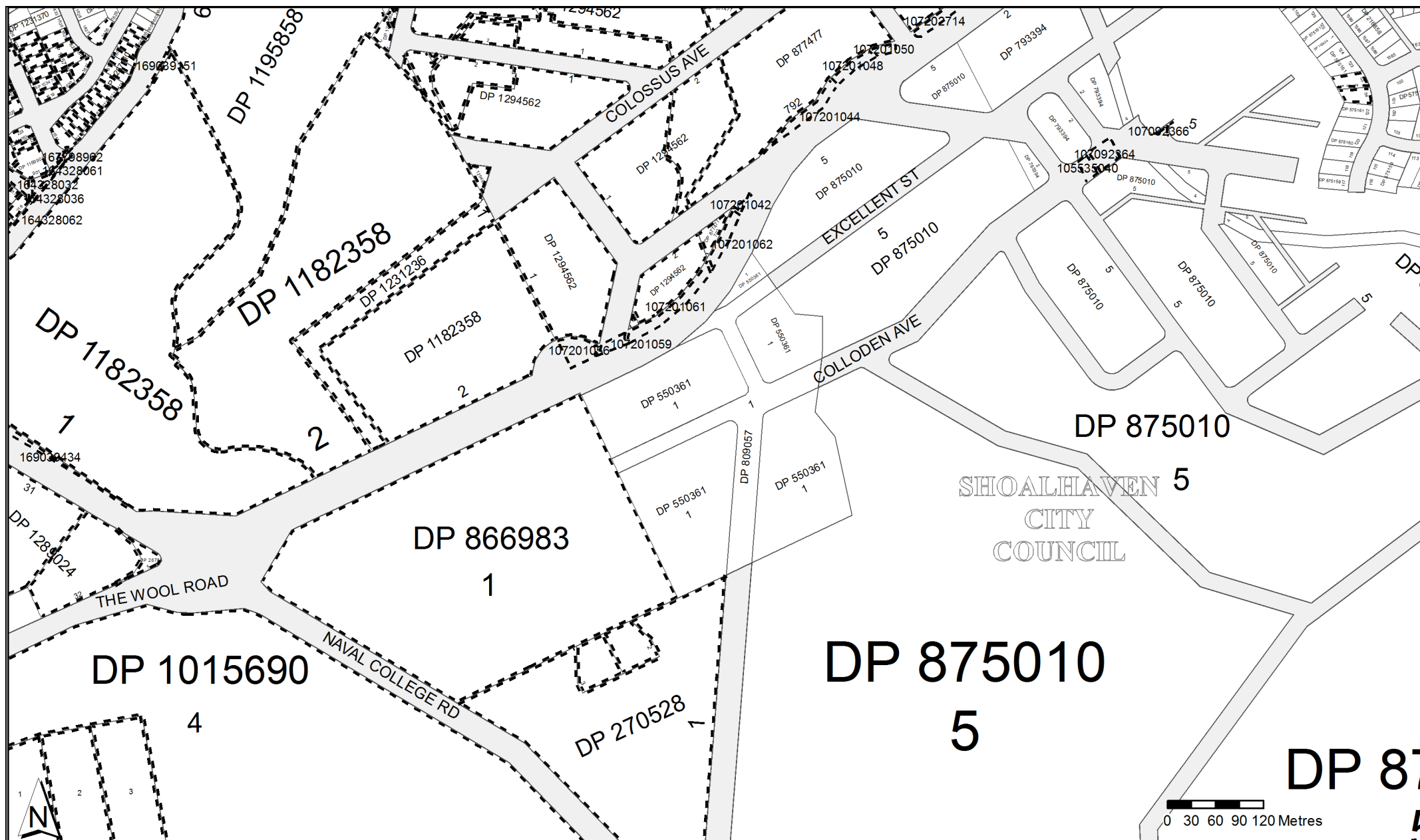
Appendix A. Cadastral Search Documents.

Locality : VINCENTIA

Parish : BHERWERRE

LGA : SHOALHAVEN

County : ST VINCENT



	Status	Surv/Comp	Purpose
DP28785 Lot(s): 1758			
 DP1247959	REGISTERED	COMPILATION	DEPARTMENTAL
DP270528 Lot(s): 1, 2, 3			
 DP872852	HISTORICAL	SURVEY	SUBDIVISION
 DP1024478	HISTORICAL	SURVEY	SUBDIVISION
 DP1069250	HISTORICAL	COMPILATION	SUBDIVISION
DP866983 Lot(s): 1			
 NSW GAZ. 06-09-2019 Folio : 3549 RESERVED AS NATIONAL PARK PART OF JERVIS BAY PARK NATIONAL PARKS AND WILD LIFE ACT 1974			
DP877477 Lot(s): 792			
 DP874040	HISTORICAL	SURVEY	RESUMPTION OR ACQUISITION
DP1015690 Lot(s): 1, 2, 3, 4			
 DP724963	HISTORICAL	COMPILATION	DEPARTMENTAL
Lot(s): 4			
 DP25671	HISTORICAL	SURVEY	UNRESEARCHED
 DP136334	HISTORICAL	COMPILATION	DEPARTMENTAL
DP1024478 Lot(s): 53, 54			
 DP872852	HISTORICAL	SURVEY	SUBDIVISION
DP1123782 Lot(s): 128, 129			
 DP1118806	HISTORICAL	SURVEY	ROADS ACT, 1993
 NSW GAZ. 24-04-2008 Folio : 2913 CLOSED ROAD LOTS 1-12 DP1118806			
Lot(s): 128, 129, 172, 173, 174			
 DP1022286	HISTORICAL	SURVEY	SUBDIVISION
Lot(s): 172, 173, 174			
 DP874040	HISTORICAL	SURVEY	RESUMPTION OR ACQUISITION
DP1141763 Lot(s): 224			
 DP1193728	REGISTERED	SURVEY	EASEMENT
Lot(s): 209, 210, 211, 215, 216, 217, 218, 222, 223, 224, 225, 226, 227, 228			
 DP874040	HISTORICAL	SURVEY	RESUMPTION OR ACQUISITION
 DP1022286	HISTORICAL	SURVEY	SUBDIVISION
 DP1118806	HISTORICAL	SURVEY	ROADS ACT, 1993
 DP1123782	HISTORICAL	SURVEY	SUBDIVISION
 DP1138189	HISTORICAL	SURVEY	SUBDIVISION
 DP1141762	HISTORICAL	SURVEY	SUBDIVISION
Lot(s): 209, 218			
 NSW GAZ. 24-04-2008 Folio : 2913 CLOSED ROAD LOTS 1-12 DP1118806			
DP1169907 Lot(s): 901			
 DP874040	HISTORICAL	SURVEY	RESUMPTION OR ACQUISITION
 DP1022286	HISTORICAL	SURVEY	SUBDIVISION
 DP1118806	HISTORICAL	SURVEY	ROADS ACT, 1993
 DP1123782	HISTORICAL	SURVEY	SUBDIVISION
 DP1138189	HISTORICAL	SURVEY	SUBDIVISION
 DP1141762	HISTORICAL	SURVEY	SUBDIVISION
 DP1141763	HISTORICAL	SURVEY	SUBDIVISION
 DP1193728	REGISTERED	SURVEY	EASEMENT

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.

	Status	Surv/Comp	Purpose
DP1182358			
Lot(s): 2			
 DP1286547	PRE-ALLOCATED	UNAVAILABLE	SUBDIVISION
Lot(s): 1			
 DP874040	HISTORICAL	SURVEY	RESUMPTION OR ACQUISITION
 DP1123782	HISTORICAL	SURVEY	SUBDIVISION
 DP1215651	REGISTERED	COMPILATION	EASEMENT
 DP1215695	REGISTERED	SURVEY	EASEMENT
 DP1269182	REGISTERED	SURVEY	RESUMPTION OR ACQUISITION
Lot(s): 1, 2			
 DP1022286	HISTORICAL	SURVEY	SUBDIVISION
 DP1118806	HISTORICAL	SURVEY	ROADS ACT, 1993
 NSW GAZ.	24-04-2008	Folio : 2913	
CLOSED ROAD			
LOTS 1-12 DP1118806			
DP1195858			
Lot(s): 6004			
 DP874040	HISTORICAL	SURVEY	RESUMPTION OR ACQUISITION
 DP1022286	HISTORICAL	SURVEY	SUBDIVISION
 DP1118806	HISTORICAL	SURVEY	ROADS ACT, 1993
 DP1123782	HISTORICAL	SURVEY	SUBDIVISION
 DP1138189	HISTORICAL	SURVEY	SUBDIVISION
 DP1141762	HISTORICAL	SURVEY	SUBDIVISION
 DP1141763	HISTORICAL	SURVEY	SUBDIVISION
 DP1154415	HISTORICAL	SURVEY	SUBDIVISION
 DP1154465	HISTORICAL	SURVEY	SUBDIVISION
 DP1170950	HISTORICAL	SURVEY	SUBDIVISION
 DP1171256	HISTORICAL	SURVEY	SUBDIVISION
 DP1183960	HISTORICAL	SURVEY	SUBDIVISION
 NSW GAZ.	24-04-2008	Folio : 2913	
CLOSED ROAD			
LOTS 1-12 DP1118806			
DP1231236			
Lot(s): 1			
 DP874040	HISTORICAL	SURVEY	RESUMPTION OR ACQUISITION
 DP1286547	PRE-ALLOCATED	UNAVAILABLE	SUBDIVISION
 NSW GAZ.	16-02-2018	Folio : 624	
CLOSED ROAD			
LOT 1 DP1231236			
DP1231370			
Lot(s): 1422, 1423, 1424, 1425			
 DP874040	HISTORICAL	SURVEY	RESUMPTION OR ACQUISITION
 DP1022286	HISTORICAL	SURVEY	SUBDIVISION
 DP1118806	HISTORICAL	SURVEY	ROADS ACT, 1993
 DP1123782	HISTORICAL	SURVEY	SUBDIVISION
 DP1138189	HISTORICAL	SURVEY	SUBDIVISION
 DP1141762	HISTORICAL	SURVEY	SUBDIVISION
 DP1141763	HISTORICAL	SURVEY	SUBDIVISION
 DP1154415	HISTORICAL	SURVEY	SUBDIVISION
 DP1154465	HISTORICAL	SURVEY	SUBDIVISION
 DP1170950	HISTORICAL	SURVEY	SUBDIVISION
 DP1171256	HISTORICAL	SURVEY	SUBDIVISION
 DP1183960	HISTORICAL	SURVEY	SUBDIVISION
 DP1195858	HISTORICAL	COMPILATION	SUBDIVISION
 NSW GAZ.	24-04-2008	Folio : 2913	
CLOSED ROAD			
LOTS 1-12 DP1118806			

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.

	Status	Surv/Comp	Purpose
DP1257110			
Lot(s): 1605, 1606, 1607, 1608, 1609, 1610, 1611, 1612, 1613, 1614, 1615, 1616, 1617, 1618, 1619, 1620, 1621, 1622, 1623, 1624, 1628			
 DP874040	HISTORICAL	SURVEY	RESUMPTION OR ACQUISITION
 DP1022286	HISTORICAL	SURVEY	SUBDIVISION
 DP1118806	HISTORICAL	SURVEY	ROADS ACT, 1993
 DP1123782	HISTORICAL	SURVEY	SUBDIVISION
 DP1138189	HISTORICAL	SURVEY	SUBDIVISION
 DP1141762	HISTORICAL	SURVEY	SUBDIVISION
 DP1141763	HISTORICAL	SURVEY	SUBDIVISION
 DP1154415	HISTORICAL	SURVEY	SUBDIVISION
 DP1154465	HISTORICAL	SURVEY	SUBDIVISION
 DP1170950	HISTORICAL	SURVEY	SUBDIVISION
 DP1171256	HISTORICAL	SURVEY	SUBDIVISION
 DP1183960	HISTORICAL	SURVEY	SUBDIVISION
 DP1195858	HISTORICAL	COMPILATION	SUBDIVISION
 DP1231370	HISTORICAL	SURVEY	SUBDIVISION
Lot(s): 1605, 1606, 1607, 1608, 1609, 1610, 1611, 1612, 1613, 1614, 1615, 1616, 1617, 1618			
 NSW GAZ.	24-04-2008		Folio : 2913
CLOSED ROAD LOTS 1-12 DP1118806			
DP1289024			
Lot(s): 31, 32			
 DP28785	HISTORICAL	SURVEY	UNRESEARCHED
 DP1247959	HISTORICAL	COMPILATION	DEPARTMENTAL
 DP1280272	HISTORICAL	COMPILATION	CONSOLIDATION
DP1294562			
Lot(s): 1, 2			
 DP862697	HISTORICAL	SURVEY	RESUMPTION OR ACQUISITION
Road			
Polygon Id(s): 161087560, 161087563, 164327839, 164328030, 164328032, 164328036, 164328061, 164328062, 167788895, 167798962, 167798975, 169039151, 169039434			
 NSW GAZ.	24-04-2008		Folio : 2913
CLOSED ROAD LOTS 1-12 DP1118806			
SP103477			
 DP874040	HISTORICAL	SURVEY	RESUMPTION OR ACQUISITION
 DP1022286	HISTORICAL	SURVEY	SUBDIVISION
 DP1118806	HISTORICAL	SURVEY	ROADS ACT, 1993
 DP1123782	HISTORICAL	SURVEY	SUBDIVISION
 DP1138189	HISTORICAL	SURVEY	SUBDIVISION
 DP1141762	HISTORICAL	SURVEY	SUBDIVISION
 DP1141763	HISTORICAL	SURVEY	SUBDIVISION
 DP1154415	HISTORICAL	SURVEY	SUBDIVISION
 DP1154465	HISTORICAL	SURVEY	SUBDIVISION
 DP1170950	HISTORICAL	SURVEY	SUBDIVISION
 DP1171256	HISTORICAL	SURVEY	SUBDIVISION
 DP1183960	HISTORICAL	SURVEY	SUBDIVISION
 DP1195858	HISTORICAL	COMPILATION	SUBDIVISION
 DP1231370	HISTORICAL	SURVEY	SUBDIVISION
 NSW GAZ.	24-04-2008		Folio : 2913
CLOSED ROAD LOTS 1-12 DP1118806			
Road			
Polygon Id(s): 105535040, 107092364, 107092366			
 NSW GAZ.	13-09-2019		Folio : 3763
RESERVED AS NATIONAL PARK PART OF JERVIS BAY NATIONAL PARK			

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.

Status	Surv/Comp	Purpose
Polygon Id(s): 107201042, 107201044, 107201048, 107201050, 107201056, 107201059, 107201061, 107201062, 107202714		
NSW GAZ.	22-08-2008	Folio : 7967
DEDICATED PUBLIC ROAD		
LOTS 62, 64, 68, 69 AND 70 DP874040		

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
DP28785	SURVEY	UNRESEARCHED
DP46903	SURVEY	ROADS ACT, 1993
DP216858	SURVEY	SUBDIVISION
DP270528	SURVEY	COMMUNITY PLAN
DP550361	SURVEY	SUBDIVISION
DP575155	SURVEY	SUBDIVISION
DP575156	SURVEY	SUBDIVISION
DP575158	SURVEY	SUBDIVISION
DP575159	SURVEY	SUBDIVISION
DP575160	SURVEY	SUBDIVISION
DP575161	SURVEY	SUBDIVISION
DP575162	SURVEY	SUBDIVISION
DP702404	SURVEY	SUBDIVISION
DP793394	SURVEY	RESUMPTION OR ACQUISITION
DP809057	COMPILATION	RESUMPTION OR ACQUISITION
DP866983	COMPILATION	CONSOLIDATION
DP875010	SURVEY	RESUMPTION OR ACQUISITION
DP877477	SURVEY	RESUMPTION OR ACQUISITION
DP1015690	SURVEY	SUBDIVISION
DP1024478	SURVEY	SUBDIVISION
DP1123782	SURVEY	SUBDIVISION
DP1141763	SURVEY	SUBDIVISION
DP1141763	UNRESEARCHED	SUBDIVISION
DP1169907	COMPILATION	CONSOLIDATION
DP1169907	UNRESEARCHED	CONSOLIDATION
DP1182358	SURVEY	SUBDIVISION
DP1195858	COMPILATION	SUBDIVISION
DP1195858	UNRESEARCHED	SUBDIVISION
DP1231236	SURVEY	SUBDIVISION
DP1231370	SURVEY	SUBDIVISION
DP1231370	UNRESEARCHED	SUBDIVISION
DP1257110	SURVEY	SUBDIVISION
DP1289024	SURVEY	SUBDIVISION
DP1294562	SURVEY	SUBDIVISION
SP103477	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.



LAND
REGISTRY
SERVICES

NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

Title Search

Information Provided Through
Aussearch
Ph. 02 9054 6867 Fax.

FOLIO: 1/550361

SEARCH DATE	TIME	EDITION NO	DATE
-----	----	-----	----
19/9/2023	2:17 PM	1	24/5/1994

LAND

LOT 1 IN DEPOSITED PLAN 550361

AT VINCENTIA

LOCAL GOVERNMENT AREA SHOALHAVEN

PARISH OF BHERWERRE COUNTY OF ST VINCENT

TITLE DIAGRAM DP550361

FIRST SCHEDULE

MINISTER FOR EDUCATION

(AP U286648)

SECOND SCHEDULE (2 NOTIFICATIONS)

1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)

2 LAND EXCLUDES MINERALS BY THE CROWN GRANT OF 137 ACRES 3 ROODS

NOTATIONS

UNREGISTERED DEALINGS: NIL

*** END OF SEARCH ***

vincentia

PRINTED ON 19/9/2023

* Any entries preceded by an asterisk do not appear on the current edition of the Certificate of Title. Warning: the information appearing under notations has not been formally recorded in the Register. InfoTrack an approved NSW Information Broker hereby certifies that the information contained in this document has been provided electronically by the Registrar General in accordance with Section 96B(2) of the Real Property Act 1900.



LAND
REGISTRY
SERVICES

NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

Title Search

Information Provided Through
Aussearch
Ph. 02 9054 6867 Fax.

FOLIO: 1/809057

SEARCH DATE	TIME	EDITION NO	DATE
-----	----	-----	----
19/9/2023	2:17 PM	1	5/8/1991

LAND

LOT 1 IN DEPOSITED PLAN 809057

AT VINCENTIA

LOCAL GOVERNMENT AREA SHOALHAVEN

PARISH OF BHERWERRE COUNTY OF ST VINCENT

TITLE DIAGRAM DP809057

FIRST SCHEDULE

MINISTER FOR SCHOOL EDUCATION AND YOUTH AFFAIRS (PA62688)

SECOND SCHEDULE (1 NOTIFICATION)

1 LAND EXCLUDES MINERALS -VIDE MEMORANDUM T447400

NOTATIONS

UNREGISTERED DEALINGS: NIL

*** END OF SEARCH ***

vincentia

PRINTED ON 19/9/2023

* Any entries preceded by an asterisk do not appear on the current edition of the Certificate of Title. Warning: the information appearing under notations has not been formally recorded in the Register. InfoTrack an approved NSW Information Broker hereby certifies that the information contained in this document has been provided electronically by the Registrar General in accordance with Section 96B(2) of the Real Property Act 1900.

DP 862697

Registered:  AC 10-1996

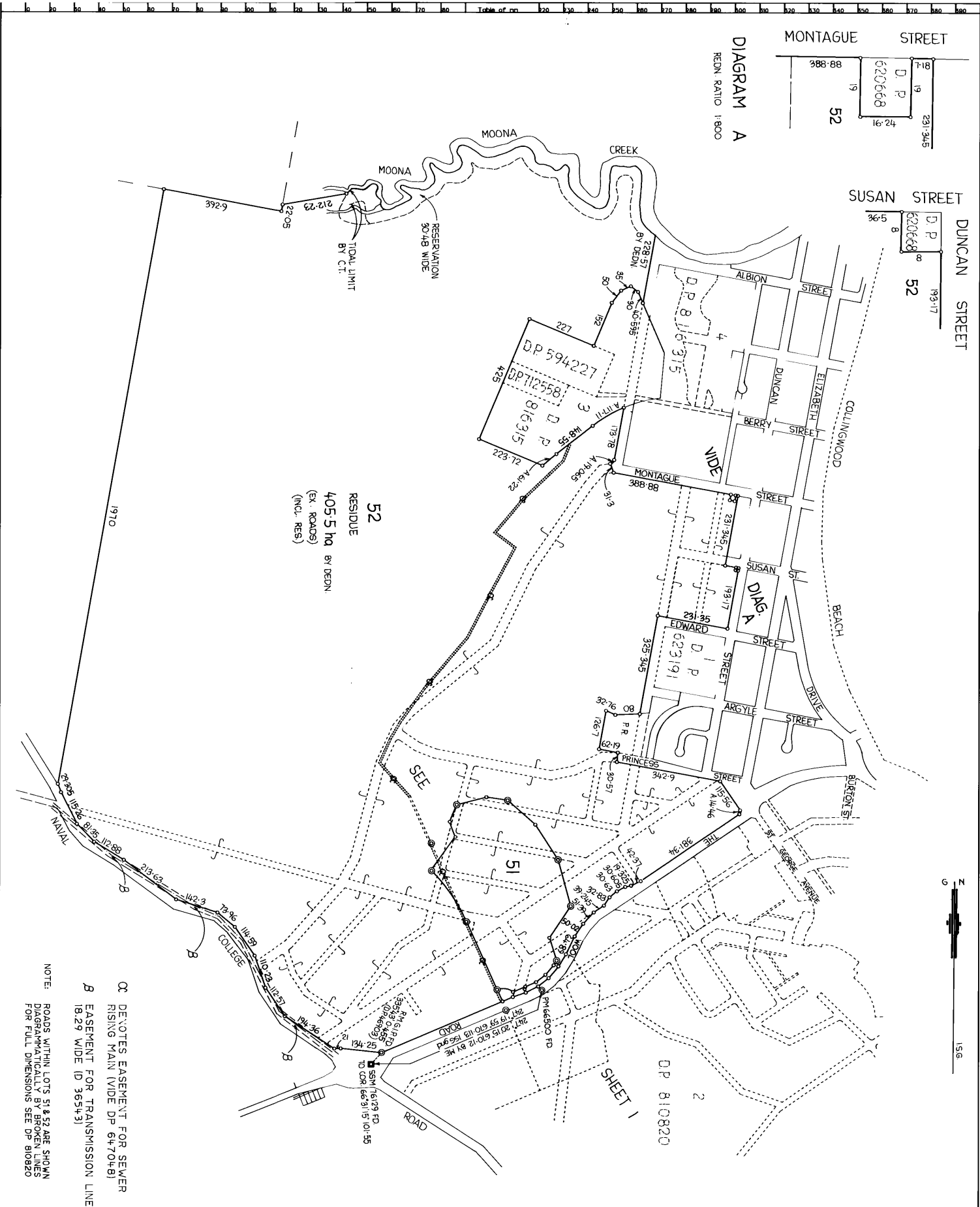
This is sheet 2 of my plan in 2 sheets
dated 19-6-96

Surveyor registered under Surveyors Act 1930

This is sheet 2 of the plan of
streets covered by my Certificate No. 8358
of

General Manager/Authorised Person

For use where space is insufficient in any plan on
Plan Form 2



Plan Drawing only to appear in this space

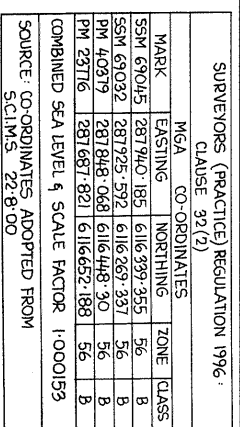
SURVEYOR'S REFERENCE: 22519

Reduction Ratio 1:8000

NOTE:
ROADS WITHIN LOTS 51 & 52 ARE SHOWN
DIAGRAMMATICALLY BY BROKEN LINES
FOR FULL DIMENSIONS SEE DP 810820

B EASEMENT FOR TRANSMISSION LINE
18.29 WIDE (D 36543)

C DEVOTES EASEMENT FOR SEWER
RISING MAIN (WIDE DP 647048)



SURVEYOR'S REFERENCE: 23361

PLAN FORM 6

WARNING: Creasing or folding will lead to rejection

DEPOSITED PLAN ADMINISTRATION SHEET

Sheet 1 of 3 sheet(s)

SIGNATURES, SEALS AND STATEMENTS of intention to dedicate public roads, public reserves and drainage reserves or create easements, restrictions on the use of land and positive covenants

IT IS INTENDED TO DEDICATE THE LANDS MARKED ROAD WIDENING (R1) AND (R2) TO THE PUBLIC AS PUBLIC ROAD SUBJECT TO EASEMENT FOR SEWER MAIN (VIDE DP1141763) IN REGARD (R1) AND SUBJECT TO EASEMENT FOR TRANSMISSION LINE 18.29 WIDE (VIDE D 36543) IN REGARD (R2).

Office Use Only

DP1182358

Office Use Only

Registered: 26.3.2013

Title System: TORRENS

Purpose: SUBDIVISION

**PLAN OF SUBDIVISION OF LOT 177
DP1123782, LOT 801 DP1022286, LOT 2 AND
3 DP1118806 AND LOTS 72 AND 73 DP
874040**

SHOALHAVEN

LGA: SWALHAVEN CITY

Locality: VINCENTIA

Parish: BHERWERRE

County: ST VINCENT

Survey Certificate

I, DAMIAN JOSEPH MAGUIRE

of LOCKLEY LAND TITLE SOLUTIONS PO BOX 400 GLADESVILLE 1675

a surveyor registered under the Surveying and Spatial Information Act, 2002, certify that the survey represented in this plan is accurate, has been made in accordance with the Surveying and Spatial Information Regulation, 2006 and was completed on: 14/9/10

The survey relates to LOT 1

(specify the land actually surveyed or specify any land shown in the plan that is not the subject of the survey)

Signature: *[Signature]* Dated: 6-12-10

Surveyor registered under the Surveying and Spatial Information Act, 2002

Datum Line: "X" - "Y"

Type: Urban/Rural

Plans used in the preparation of survey/compilation

DP1123782 DP1141763
DP1022286 15040-1603
DP1118806
DP874040
DP810820

If space is insufficient use PLAN FORM 6A annexure sheet

Surveyor's Reference:33294-33569 DP

If space is insufficient use PLAN FORM 6A annexure sheet

Crown Lands NSW/Western Lands Office Approval

I.....in approving this plan certify

(Authorised Officer)

that all necessary approvals in regard to the allocation of the land shown herein have been given

Signature:

Date:

File Number:

Office:

Subdivision Certificate

I certify that the provisions of s.109J of the Environmental Planning and Assessment Act 1979 have been satisfied in relation to:

the proposed *SUBDIVISION* set out herein

(insert 'subdivision' or 'new road')

*Authorised Person/General Manager/Accredited Certifier

Consent Authority: *DEPT OF PLANNING*Date of Endorsement: *8 FEBRUARY 2012*Accreditation no: *BP8 0530*Subdivision Certificate no: *12437*File no: *25/005/1*

* Strike through inapplicable parts.

PLAN FORM 6A

WARNING: Creasing or folding will lead to rejection

DEPOSITED PLAN ADMINISTRATION SHEET

Sheet 2 of 3 sheet(s)

PLAN OF SUBDIVISION OF LOT 177
 DP1123782, LOT 801 DP1022286, LOT 2 AND 3
 DP1118806 AND LOTS 72 AND 73 DP 874040

Office Use Only

DP1182358

Office Use Only

Registered:



26.3.2013

Subdivision Certificate No.:

12437

Date of Endorsement:

8 FEBRUARY, 2012

EXECUTED by
 STOCKLAND DEVELOPMENT PTY
 LIMITED
 ACN 000 064 835
 in accordance with Section 127
 of the Corporations Act

Signature of Director

Signature of director/secretary

NAME (please print)

NAME (please print)

Executed on behalf of Stockland Development Pty Limited
 ACN 00064835 by its attorney Matthew Mears
 under Power of Attorney Book 4537 No. 681
 who states that he/she has received no notice of
 revocation of the Power of Attorney in the presence of:

Signature of Attorney

Matthew Mears
 Name of Attorney

C. Kotowski
 Signature of Witness

CLARE KOTOWSKI
 Name of Witness

Surveyor's Reference: 33294-33569 DP

PLAN FORM 6A

WARNING: Creasing or folding will lead to rejection

ePlan

DEPOSITED PLAN ADMINISTRATION SHEET

Sheet 3 of 3 sheet(s)

PLAN OF SUBDIVISION OF LOT 177
DP1123782, LOT 801 DP1022286, LOT 2 AND 3
DP1118806 AND LOTS 72 AND 73 DP 874040

Office Use Only

DP1182358

Office Use Only

Registered: 26.3.2013



Subdivision Certificate No.: 12437

Date of Endorsement: 8 FEBRUARY, 2012

EXECUTED by)
VINCENTIA NOMINEES PTY LTD)
ACN 137 903 327)
in accordance with Section 127)
of the Corporations Act)

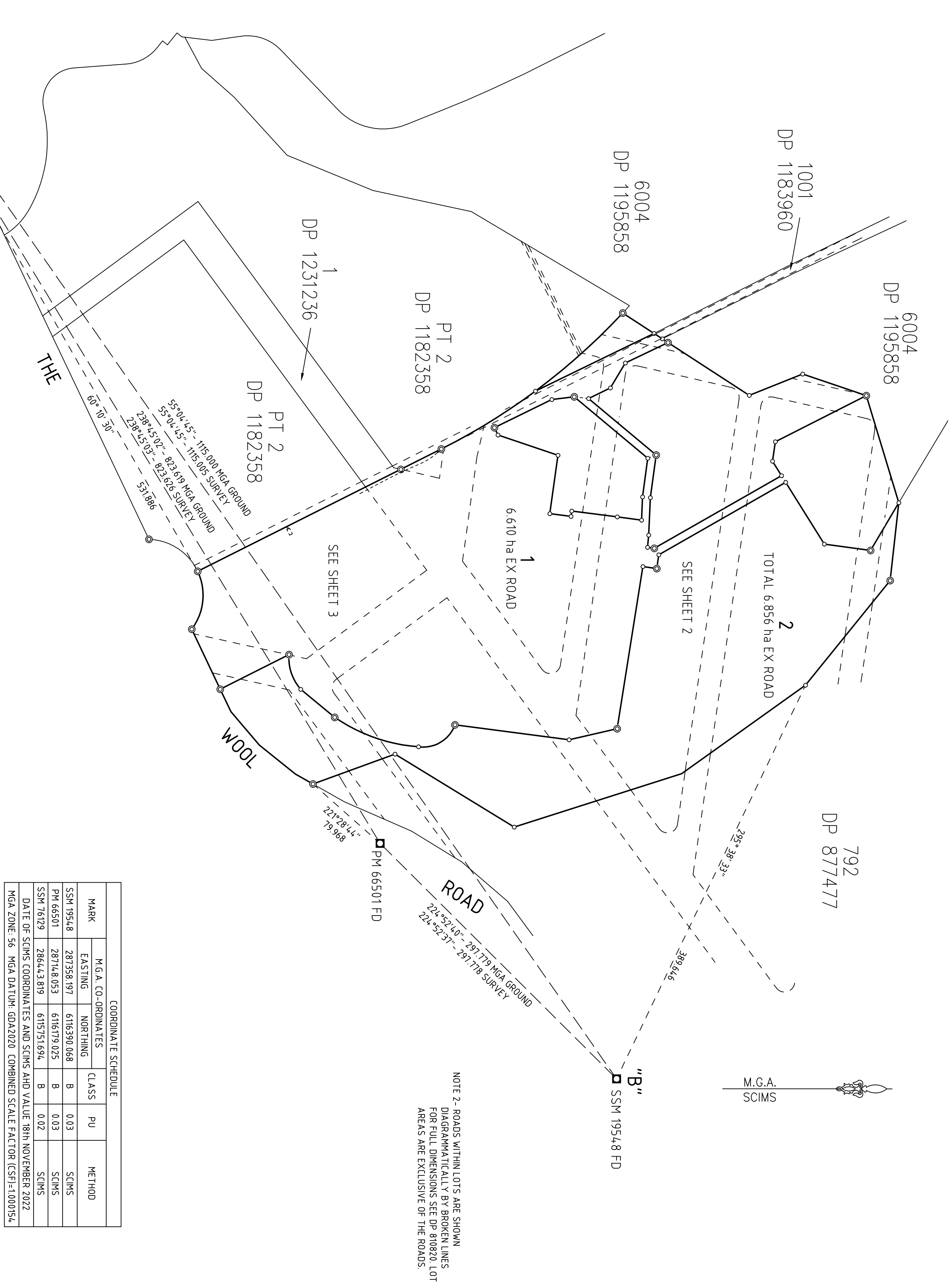
x 
.....
Signature of Director

x 
.....
Signature of director/secretary

x THOMAS WILLIAM POCKETT,
..... Director.....
NAME (please print)

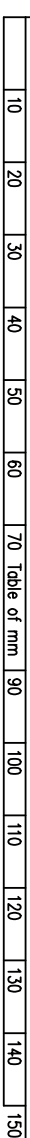
x Peter John Horton
.....
NAME (please print)

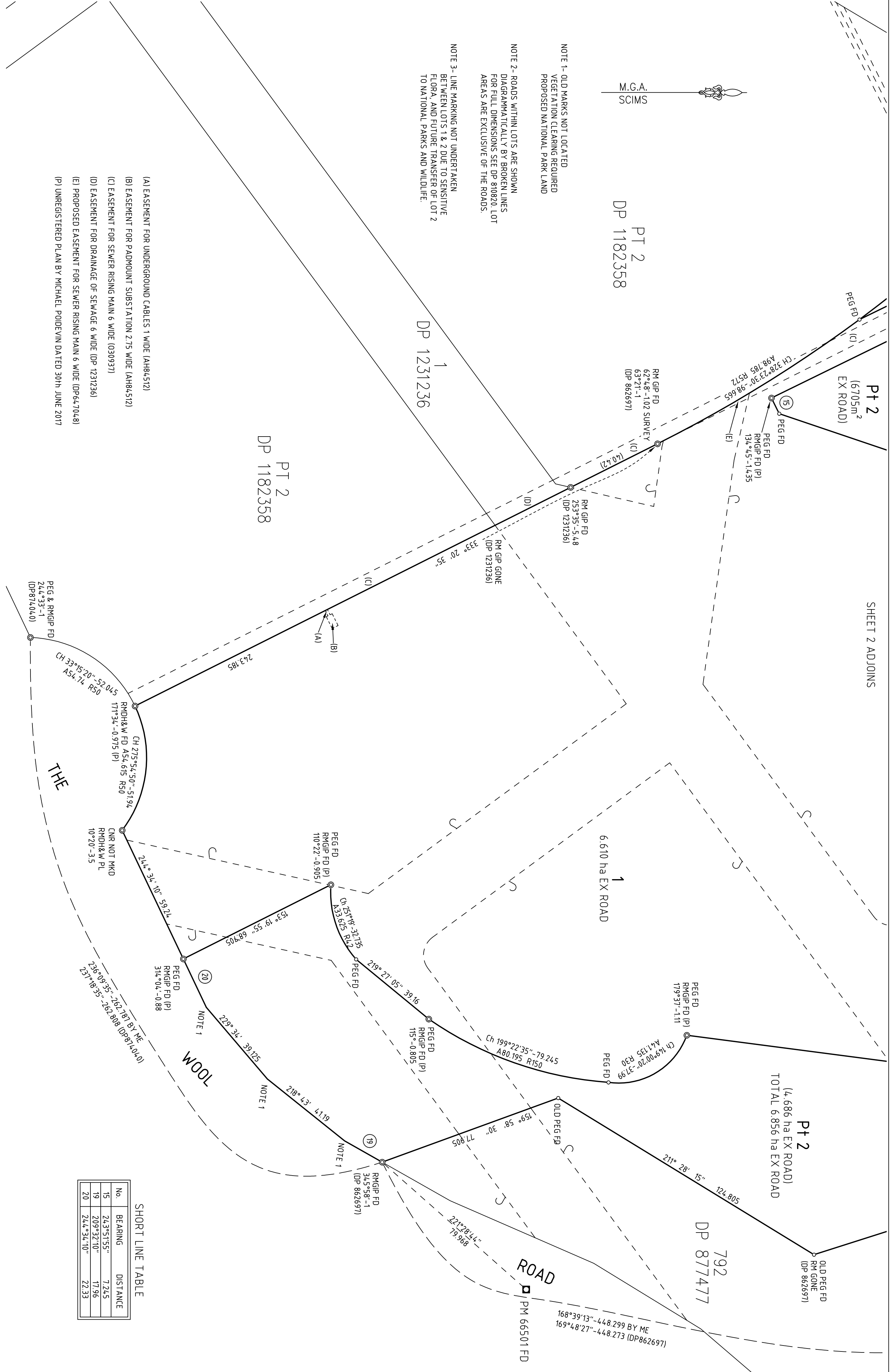
Surveyor's Reference: 33294-33569 DP



COORDINATE SCHEDULE					
MARK	MGA. CO-ORDINATES		CLASS	PU	METHOD
	EASTING	NORTHING			
SSM 1954/58	287358.197	616390.668	B	0.03	SCMS
PM 66501	287148.053	616179.025	B	0.03	SCMS
SSM 76129	286443.819	616751.694	B	0.02	SCMS
DATE OF SCMS COORDINATES AND SCMS AHD VALUE:18th NOVEMBER 2022					
MGA ZONE: 56 MGA DATUM: GDA2020 COMBINED SCALE FACTOR (CSF)=1.00054					

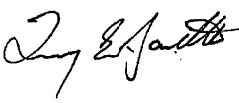
NOTE 2- ROADS WITHIN LOTS ARE SHOWN
DIAGRAMMATICALLY BY BROKEN LINES
FOR FULL DIMENSIONS SEE DP 810820. LOT
AREAS ARE EXCLUSIVE OF THE ROADS.



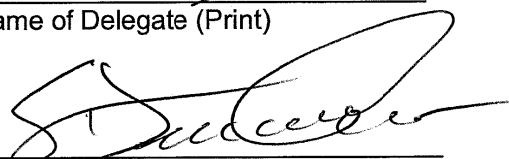
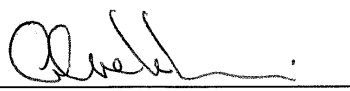


Surveyor: TERRY EDWARD BARTLETT Date of Survey: 18th NOVEMBER 2022 Surveyor's Ref: 304100879 DP-01	PLAN OF SUBDIVISION OF LOT 51 IN DP 862697	L.G.A.: SHOALHAVEN Locality: VINCENIA Subdivision No: SC22/1149 Lengths are in metres. Reduction Ratio 1:1000	Registered  16/08/2023	DP1294562
---	---	---	--	------------------

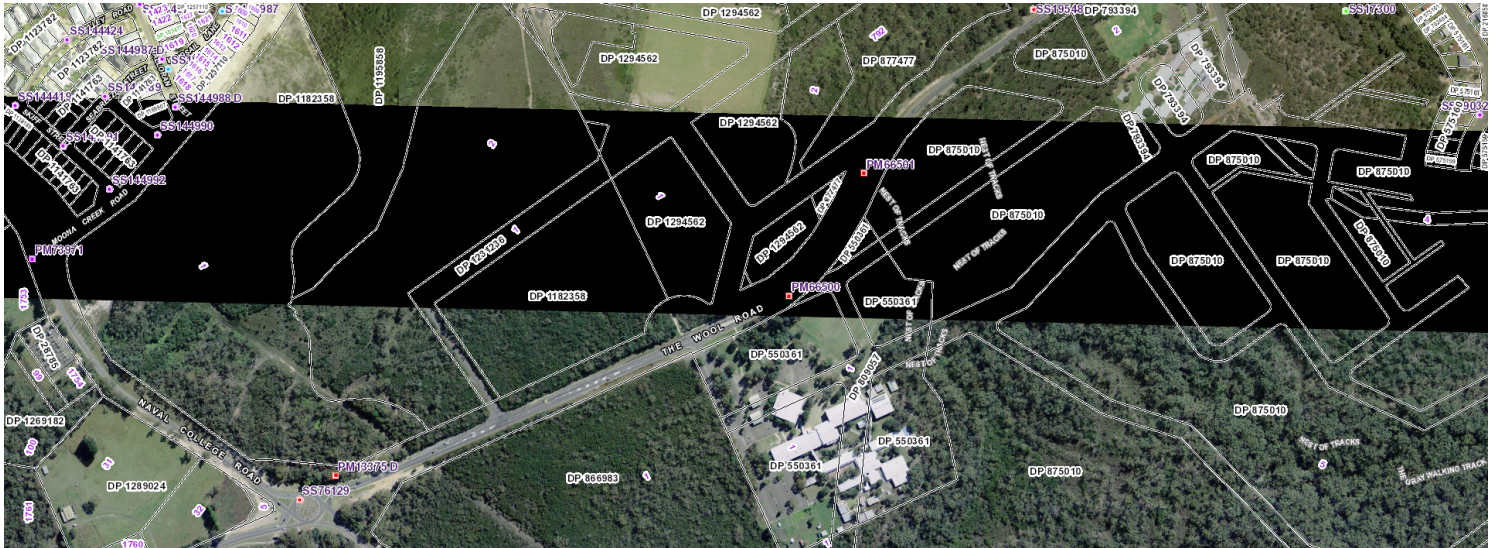
WARNING: Creasing or folding will lead to rejection

PLAN FORM 6 (2019) DEPOSITED PLAN ADMINISTRATION SHEET		Sheet 1 of 3 sheet(s)
Office Use Only Registered:  16/08/2023 Title System: TORRENS		Office Use Only DP1294562
PLAN OF SUBDIVISION OF LOT 51 IN DP 862697		LGA: SHOALHAVEN Locality: VINCENTIA Parish: BHERWERRE County: ST VINCENT
Survey Certificate I, TERRY EDWARD BARTLETT of Stantec Australia Pty Ltd. a surveyor registered under the <i>Surveying and Spatial Information Act 2002</i> , certify that: *(a) The land shown in the plan was surveyed in accordance with the <i>Surveying and Spatial Information Regulation 2017</i> , is accurate and the survey was completed on 18 th November 2022, or *(b) The part of the land shown in the plan (*being Lots 1 & 2) was surveyed in accordance with the <i>Surveying and Spatial Information Regulation 2017</i> , the part surveyed is accurate and the survey was completed on 26 th November 2022. The part not surveyed being part of Lot 2 was compiled in accordance with that Regulation. *(c) The land shown in this plan was compiled in accordance with the <i>Surveying and Spatial Information Regulation 2017</i> . Datum Line: "A" (SSM 76129) – "B" (SSM 19548) Type: *Urban/*Rural The terrain is *Level-Undulating / *Steep-Mountainous.  Signature: Dated: 18/11/2022 Surveyor Identification No: 438 Surveyor registered under the <i>Surveying and Spatial Information Act 2002</i> *Strike out inappropriate words. **Specify the land actually surveyed or specify any land shown in the plan that is not the subject of the survey.		Crown Lands NSW/Western Lands Office Approval I, (Authorised Officer) in approving this plan certify that all necessary approvals in regard to the allocation of the land shown herein have been given. Signature: Date: File Number: Office: Subdivision Certificate I, CATHY BERN *Authorised Person/*General Manager/*Accredited Certifier, certify that the provisions of s.6.15 of the <i>Environmental Planning and Assessment Act 1979</i> have been satisfied in relation to the proposed subdivision, new road or reserve set out herein.  Signature: Accreditation number: Consent Authority: SHOALHAVEN CITY COUNCIL Date of endorsement: 22.DECEMBER.2022 Subdivision Certificate number: SC22/1149 File number: ...SF.10468 *Strike through if inapplicable.
Plans used in the preparation of survey/compilation: DP 647048 DP 1118806 DP 862697 DP 1182358 DP 810820 DP 1183960 DP 874040 DP 1195858 DP 877477 DP 1231236 DP 1022286 R 15040-1603 UNREGISTERED PLAN BY MICHAEL POIDEVIN (SURVEYOR'S REF – 62-2016)		Statements of intention to dedicate public roads create public reserves and drainage reserves, acquire/resume land.
Surveyor's Reference: 304100879 DP-01		Signatures, Seals and Section 88B Statements should appear on PLAN FORM 6A

PLAN FORM 6A (2019)		DEPOSITED PLAN ADMINISTRATION SHEET		Sheet 2 of 3 sheet(s)																
Registered:  16/08/2023		Office Use Only		Office Use Only																
PLAN OF SUBDIVISION OF LOT 51 IN DP 862697		DP1294562 This sheet is for the provision of the following information as required: • A schedule of lots and addresses - See 60(c) <i>SSI Regulation 2017</i> • Statements of intention to create and release affecting interests in accordance with section 88B <i>Conveyancing Act 1919</i> • Signatures and seals- see 195D <i>Conveyancing Act 1919</i> • Any information which cannot fit in the appropriate panel of sheet 1 of the administration sheets.																		
Subdivision Certificate number: SC22/1149 Date of Endorsement: 22 DECEMBER 2022																				
<table border="1"><thead><tr><th>Lot</th><th>Street Number</th><th>Street Name</th><th>Street Type</th><th>Locality</th></tr></thead><tbody><tr><td>1</td><td>141</td><td>The Wool</td><td>Road</td><td>Vincentia</td></tr><tr><td>2</td><td>N/A</td><td>The Wool</td><td>Road</td><td>Vincentia</td></tr></tbody></table>						Lot	Street Number	Street Name	Street Type	Locality	1	141	The Wool	Road	Vincentia	2	N/A	The Wool	Road	Vincentia
Lot	Street Number	Street Name	Street Type	Locality																
1	141	The Wool	Road	Vincentia																
2	N/A	The Wool	Road	Vincentia																
If space is insufficient use additional annexure sheet																				
Surveyor's Reference: 304100879 DP-01																				

PLAN FORM 6A (2019) DEPOSITED PLAN ADMINISTRATION SHEET		Sheet 3 of 3 sheet(s)
Registered:  16/08/2023	Office Use Only	Office Use Only
PLAN OF SUBDIVISION OF LOT 51 IN DP 862697		DP1294562
Subdivision Certificate number: SC22/1149 Date of Endorsement: ..22.DECEMBER.2022.....		
This sheet is for the provision of the following information as required: • A schedule of lots and addresses - See 60(c) SSI Regulation 2017 • Statements of intention to create and release affecting interests in accordance with section 88B Conveyancing Act 1919 • Signatures and seals- see 195D Conveyancing Act 1919 • Any information which cannot fit in the appropriate panel of sheet 1 of the administration sheets.		
EXECUTED on behalf of SHOALHAVEN CITY COUNCIL by its authorised delegate pursuant to s.377 of Local Government Act 1993 No 30 STEPHEN DUNSHIEP Name of Delegate (Print)  Signature of Delegate I certify that I am an eligible witness and that the delegate signed in my presence  Signature of Witness CAROLYN Name of Witness BRIDGE RD. NOWRA 2541 Address of Witness If space is insufficient use additional annexure sheet Surveyor's Reference: 304100879 DP-01		

MARK NAME STATUS	COORDINATES AND HEIGHTS				CLASS	PU	LU	SOURCE	CSF CONVERGENCE AUSGEOID2020
PM 66500	Horizontal coordinates are adjusted (or initialised) in GDA2020								
	MGA2020	287056.963	6116022.339	56	B	0.03	0.04	301189	1.000153
	GDA2020	-35° 04' 33.97479"		150° 39' 52.11638"		-1° 20' 33.53"			
	GDA2020	Ellipsoidal Height		38.	U	300780			
	AHD71	Normal-Orthometric		19.367	B	210375			18.648
PM 66501	Horizontal coordinates are adjusted (or initialised) in GDA2020								
	MGA2020	287148.053	6116179.025	56	B	0.03	0.04	301189	1.000153
	GDA2020	-35° 04' 28.96186"		150° 39' 55.85517"		-1° 20' 31.21"			
	GDA2020	Ellipsoidal Height		36.	U	300780			
	AHD71	Normal-Orthometric		17.600	B	210375			18.652



Map Legend							Mark Status*
SCIMS Mark types (Colour codes refer to the assigned accuracy "Class")							F Found Intact
SS	PM	TS	CR	MM	CP	GB	N Not Found
							D Destroyed
							S Subsidence Area
							U Uncertain
							R Restricted Access
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

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		
PM 66500					
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	
287056.963	6116022.339	56	-35° 04' 33.97479"	150° 39' 52.11638"	
Class	Positional Uncertainty		Local Uncertainty	GDA2020 Updated	
B	0.03		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		
1.000153			-1° 20' 33.53"		

AusGeoid2020(N)					
18.648					

GDA2020 Ellipsoidal Height					
Height					
38.					
Class	Positional Uncertainty		Local Uncertainty	Ellipsoidal Height Updated	
U				15-NOV-2021	
Source	Type	Method	Date issued	Issued By	
300780	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 - GNSS AND OTHER SOURCES					

AHD71					
Height					
19.367					
Class	Positional Uncertainty		Local Uncertainty	AHD Updated	
B				20-DEC-1995	
Source	Type	Method	Date issued	Issued By	
210375	HEIGHTING	LEVADJ	20-DEC-1995	n/a	
Previous Reference		Location			File Number
95380		n/a			n/a
Comments					
VINCENTIA TAFE PWD					

PM's and SSM's placed under Survey Practice Regulations 12 and 55a are required to have a Locality Sketch Plan lodged with the Deposited Plan at The Land Titles Office.

D.P.



PM 66500

SSM

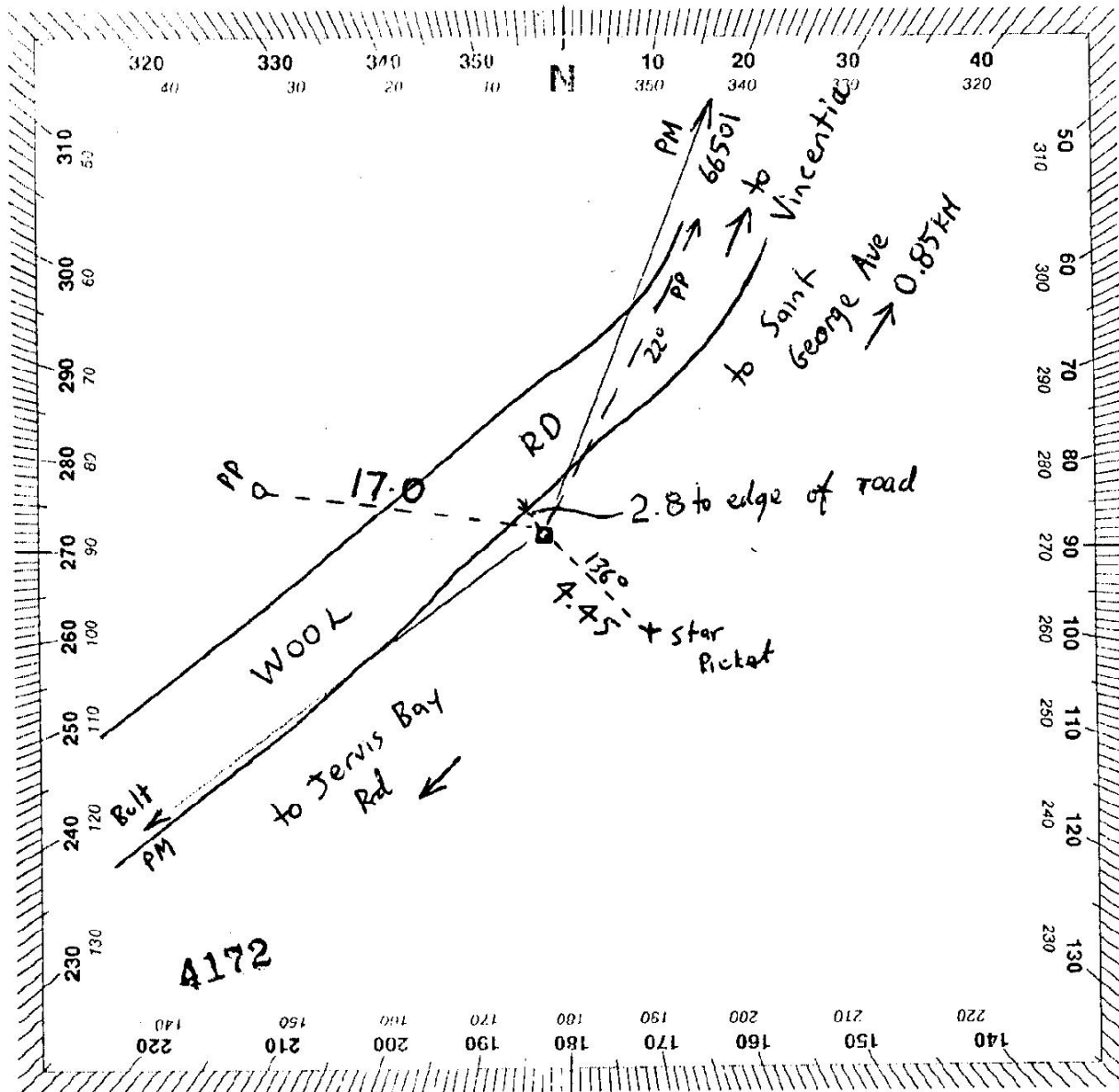
Description

LOCALITY SKETCH PLAN

Parish Bherwerra County St Vincent Town/Suburb/Locality Vincentia (west of)
Municipality City of Shoal Haven C.M.A. Map Sheet 9027-4-N Huskisson

Measurements are in metres

Zone 58



Organization placing Marks CLD NOWRA

Ref.

The Surveyor General is to be notified of SQ/AMG Co-Ordinates and/or AHD Levels determined by survey for mark placed.

PM 66500

SSM

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

Mark placed Rob Cooke / 8/1989

Replaces PM SSM



S.O. 2019

SURVEY MARK					
Mark	Name		Alias		
PM 66501					
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	
287148.053	6116179.025	56	-35° 04' 28.96186"	150° 39' 55.85517"	
Class	Positional Uncertainty	Local Uncertainty		GDA2020 Updated	
B	0.03	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		
1.000153			-1° 20' 31.21"		
AusGeoid2020(N)					
18.652					
GDA2020 Ellipsoidal Height					
Height					
36.					
Class	Positional Uncertainty	Local Uncertainty		Ellipsoidal Height Updated	
U				15-NOV-2021	
Source	Type	Method	Date issued	Issued By	
300780	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 - GNSS AND OTHER SOURCES					
AHD71					
Height					
17.600					
Class	Positional Uncertainty	Local Uncertainty		AHD Updated	
B				20-DEC-1995	
Source	Type	Method	Date issued	Issued By	
210375	HEIGHTING	LEVADJ	20-DEC-1995	n/a	
Previous Reference		Location			File Number
95380		n/a			n/a
Comments					
VINCENTIA TAFE PWD					

D.P.

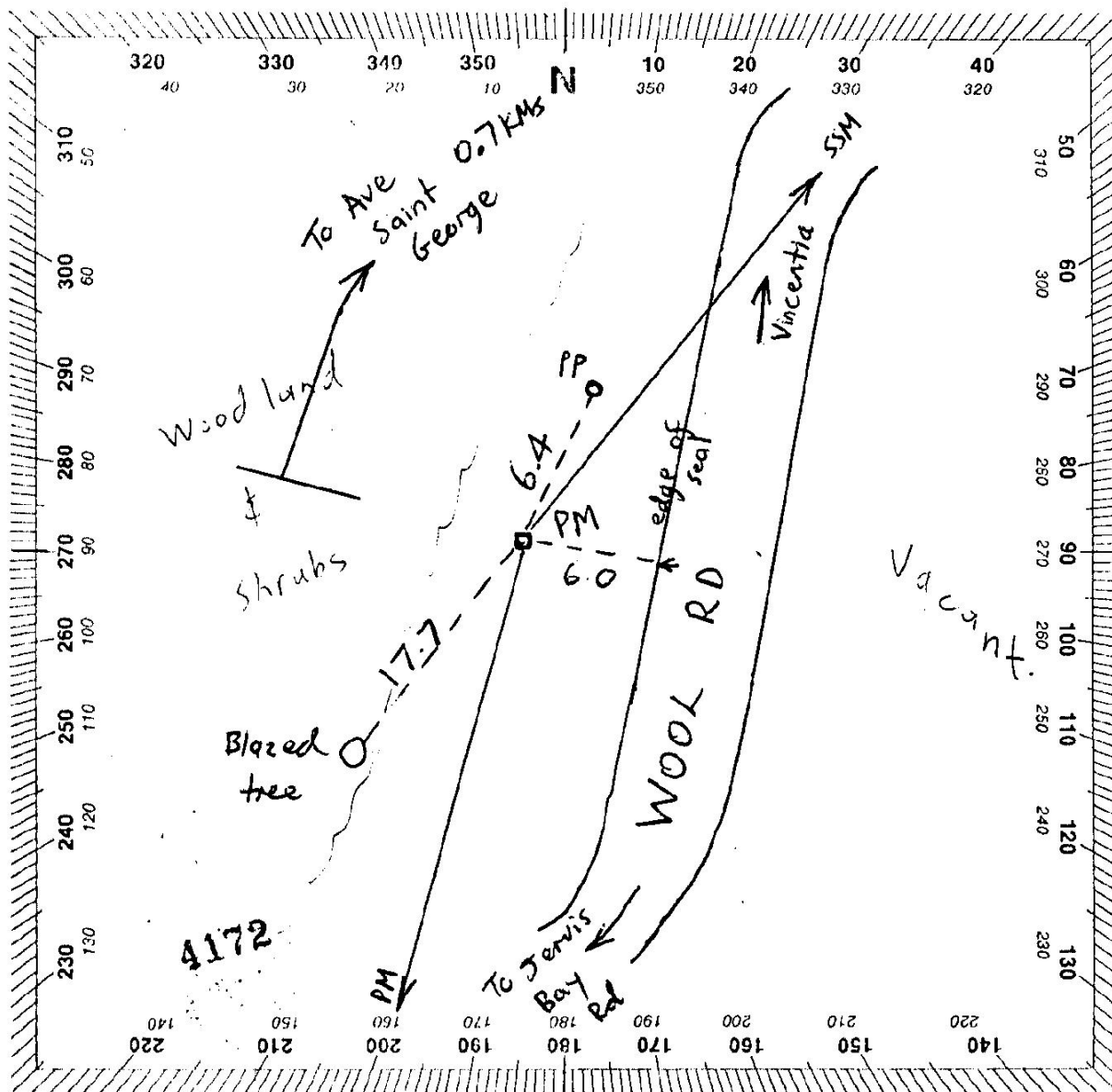
**SSM**

Description

Parish Blerwene County St Vincent Town/Suburb/Locality Vincentia
 City of Shoakhaven Municipality or Shire SHOAKHAVEN C.M.A. Map Sheet 9027-4-N HUSKISSON
 (west of)

Measurements are in metres

Zone ...56/1....



Organization placing Marks CLO NOWRA

Ref.

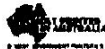
The Surveyor General is to be notified of ISG/AMG Co-Ordinates and/or AHD Levels determined by survey for mark placed.

SSM

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

Rob Cooke

Mark placed / 8 / 1989

Replaces PM
SSM

S O 2 0 1 9

MARK NAME STATUS	COORDINATES AND HEIGHTS				CLASS	PU	LU	SOURCE	CSF CONVERGENCE AUSGEOID2020
SS 76129	Horizontal coordinates are adjusted (or initialised) in GDA2020								
	MGA2020	286443.819	6115751.694	56	B	0.02	0.04	301189	1.000156
	GDA2020	-35° 04' 42.28639"		150° 39' 27.67383"		-1° 20' 47.87"			
	GDA2020	Ellipsoidal Height		38.46	D	0.03	0.04	301189	
	AHD71	Normal-Orthometric		19.833	B			236763	18.658



Map Legend							Mark Status*
SCIMS Mark types (Colour codes refer to the assigned accuracy "Class")							F Found Intact
SS	PM	TS	CR	MM	CP	GB	N Not Found
							D Destroyed
							S Subsidence Area
							U Uncertain
							R Restricted Access
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

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 76129

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
286443.819	6115751.694	56	-35° 04' 42.28639"	150° 39' 27.67383"
Class	Positional Uncertainty	Local Uncertainty		GDA2020 Updated
B	0.02	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
1.000156	-1° 20' 47.87"

AusGeoid2020(N)
18.658

GDA2020 Ellipsoidal Height

Height
38.46

Class	Positional Uncertainty	Local Uncertainty	Ellipsoidal Height Updated
D	0.03	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

AHD71
Height
19.833

Class	Positional Uncertainty	Local Uncertainty	AHD Updated
B			19-JUN-2019

Source	Type	Method	Date issued	Issued By
236763	ADJUSTMENT	GEOLAB	27-JAN-2016	DENNIS SLUYS

Previous Reference	Location	File Number
n/a	SHOALHAVEN - (LGA)	n/a

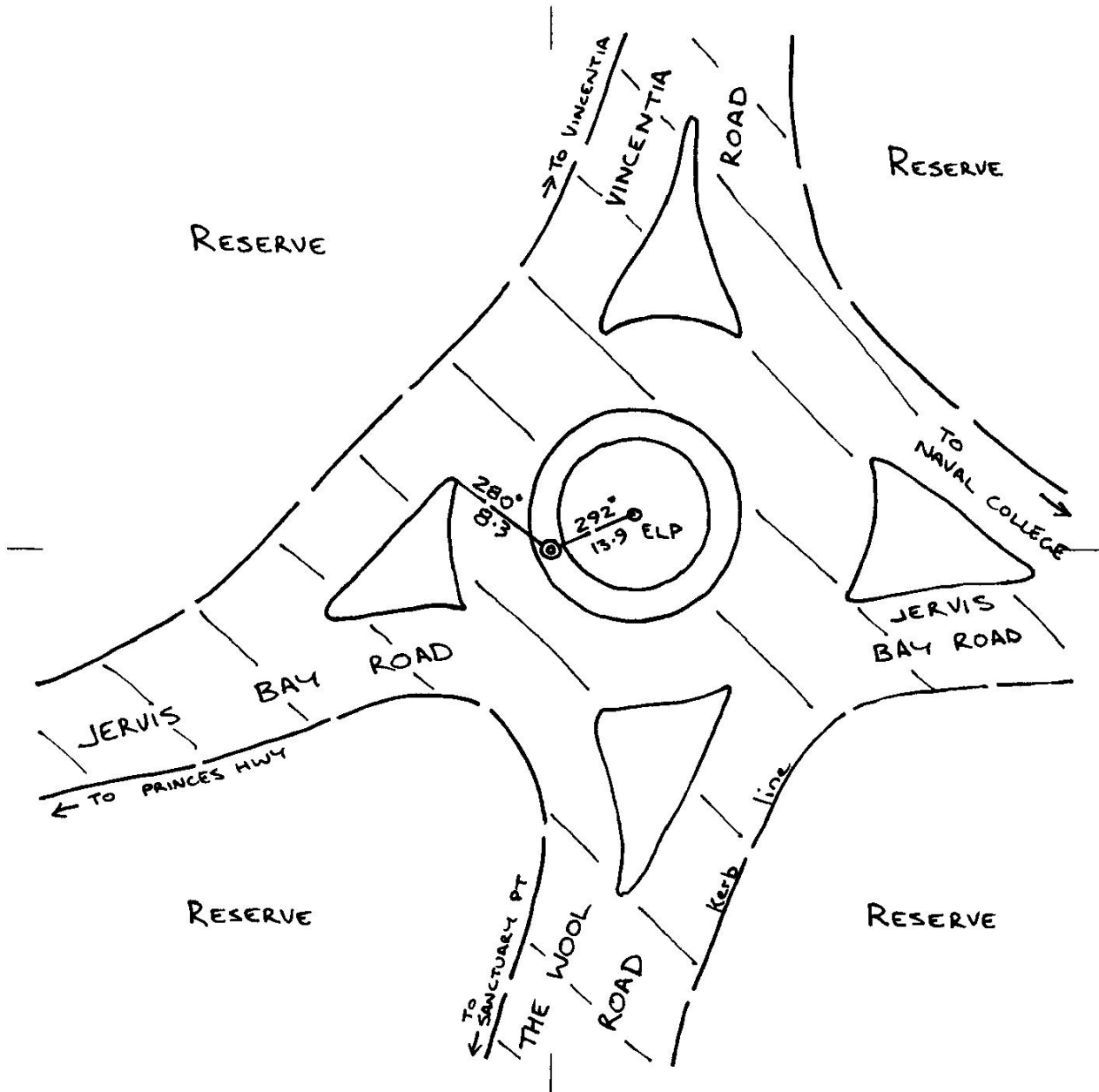
Comments

RE-ADJUSTEMENT OF B2 GNSS NETWORK IN SHOALHAVEN AREA STAGE 2

LOCALITY SKETCH PLAN

PM
SSM 76129
Description BRASS PLAQUE
IN ROUNDABOUT

Parish BHERWERRE County St. VINCENT Town/Suburb/Locality VINCENTIA
Municipality or Shire SHOALHAVEN C.M.A. Map Sheet HUSKISSON 9027-4-N



SURVEY PRACTICE REGULATION 1990			
MARK	AHD	SOURCE	DATE
HEIGHT DETERMINED BY DIFF. LEVELLING (specify) TRIG. HEIGHTING			
ADOPTED MARKS			

Measurements are in metres

PM
SSM 76129

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

Signed 
Mark placed 23 / 8 / 19 94
REPLACEMENT SKETCH
Organization placing Marks LIC
Replaces PM _____ SSM _____
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: Vincentia High School
Working on Behalf of: Private
Enquiry Date: 18/08/2023
Start Date: 21/08/2023
End Date: 21/09/2023

Address:
142 The Wool Road
Vincentia NSW 2540

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
- For more information on safe excavation practices, visit www.byda.com.au

Asset Owner Details

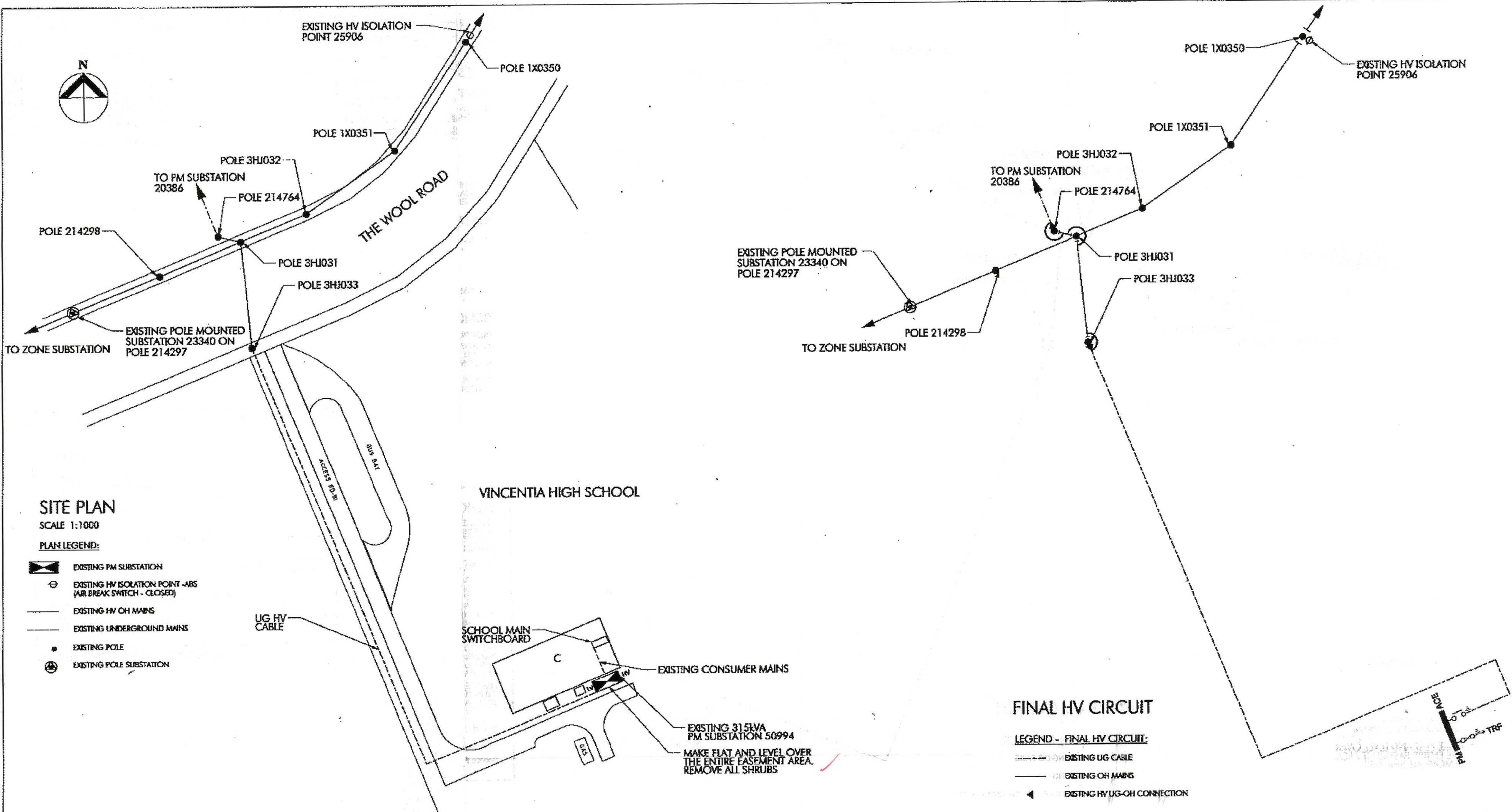
The assets owners listed below have been requested to contact you with information about their asset locations within 2 working days. Additional time should be allowed for information issued by post. It is **your responsibility** to identify the presence of any underground assets in and around your proposed 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
228546382	Endeavour Energy	(02) 9853 4161	NOTIFIED
228546381	NBN Co NswAct	1800 687 626	NOTIFIED
228546380	Shoalhaven Water	(02) 4429 3214	NOTIFIED
228546383	Telstra NSW South	1800 653 935	NOTIFIED

END OF UTILITIES LIST



- NOTES:**
- THIS ELECTRICAL RETICULATION REQUIREMENTS DRAWING SHOULD BE READ IN ACCORDANCE WITH INTEGRAL ENERGY NETWORK CONNECTIONS GENERAL TERMS & CONDITIONS DOCUMENT.
 - ALL REDUNDANT MATERIALS REMOVED UNDER THIS PROJECT SHOULD BE RETURNED TO THE NEAREST INTEGRAL ENERGY DEPOT AS REQUIRED.
- OPERATIONAL LIMITS:**
- UNLESS APPROVED OTHERWISE, INTERRUPTION TO ANY CUSTOMER'S SUPPLY MUST BE AVOIDED. THE FOLLOWING ALTERNATIVES SHOULD BE CONSIDERED:
 - MOBILE GENERATORS AND SUBSTATIONS
 - LIVE LINE WORK
 - DESIGN ALTERNATIVES
 - LOW VOLTAGE PARALLELS
 - WORK PRACTICES / STANDARDS
 - THE INSTALLING CONTRACTOR IS TO MANAGE ANY NECESSARY INTERRUPTION TO SUPPLY, LIAISING WITH INTEGRAL ENERGY & CUSTOMERS, OBTAINING INTEGRAL ENERGY APPROVAL BEFORE PROCEEDING.
- INSTALLATION REQUIREMENTS:**
- LV CONNECTIONS:
 - REPLACE EXISTING LV 400A FUSE ASSEMBLY WITH A NEW LV 1250A CIRCUIT BREAKER AND ASSEMBLY. CURRENTLY THE LV FUSE ASSEMBLY IS SIDE MOUNTED FOR ACCESS. OBTAIN THE NEW 1250A LV CIRCUIT BREAKER TO BE ALSO FOR SIDE MOUNTED ACCESS.
- EASEMENT ZONE:**
- MAKE FLAT AND LEVEL OVER THE ENTIRE EASEMENT AREA.
- DESIGN CERTIFICATION**
- DESIGN CERTIFICATION SHALL LAPSE WHERE:
- NOTICE OF INTENT HAS NOT BEEN RECEIVED WITHIN SIX (6) MONTHS OF THIS CERTIFICATION OR
 - CONSTRUCTION HAS BEEN INTERRUPTED FOR MORE THAN SIX (6) MONTHS
- WHERE DESIGN CERTIFICATION HAS LAPSED THE DESIGN MUST BE RESUBMITTED FOR CERTIFICATION BY THE ACCREDITED DESIGNER.

DESIGN COMPLIANCE AND INDEMNITY

THIS DESIGN COMPLIES WITH INTEGRAL ENERGY'S RELEVANT STANDARDS AS CURRENT AT THIS TIME AND AS LISTED ON THE INTEGRAL ENERGY ACCREDITED SERVICE PROVIDER'S INTERNET SITE. THESE STANDARDS INCLUDE, BUT ARE NOT LIMITED TO:

GT&C: GENERAL TERMS AND CONDITIONS
EMS: ENVIRONMENTAL MANAGEMENT STANDARD
MCI: MAINS CONSTRUCTION INSTRUCTION
MDE: MAINS DESIGN INSTRUCTION
PDI: PROTECTION DESIGN INSTRUCTION
SDI: SUBSTATION DESIGN INSTRUCTION
SAD D001: DESIGN DRAWING STANDARD
MIR: MAINS MAINTENANCE INSTRUCTION
SME: SUBSTATION MAINTENANCE INSTRUCTION

ADDITIONALLY, WHERE RELEVANT, THE DESIGN COMPLIES WITH C&B-1 "GUIDELINE FOR DESIGN AND MAINTENANCE OF OVERHEAD DISTRIBUTION AND TRANSMISSION LINES" PUBLISHED BY ESAA AND OTHER RELEVANT AUSTRALIAN STANDARDS.

NSW DEPARTMENT OF COMMERCE INDEMNIFIES INTEGRAL ENERGY FOR ANY LOSS OR DAMAGE RESULTING FROM NON-COMPLIANCE OF THE DESIGN WITH THE ABOVE STANDARDS.

Signed: *Leila Elchami*
Name: **LEILA ELCHAMI**
Service Provider No: 1833 Date: 14/07/2009

WORK COMPLETED/FIELD BOOK

CONSTRUCTED BY: **POWERCOUNTRY P/L**

WORK COMPLETED: **Approximate location of underground cables relative to fixtures existing when the cables were installed. It has been proposed solely for Endeavour Energy's own use. Endeavour Energy has taken all reasonable steps to ensure that the information is accurate as possible but will accept no liability for any inaccuracies in the information. Those excavating are expected to exercise all due care in the vicinity where cables are indicated and will be held responsible for any damage caused to Endeavour Energy's property.**

INSPECTED BY: **Neil Mineeff**
SIGNED: *Neil Mineeff* DATE: 14/07/09

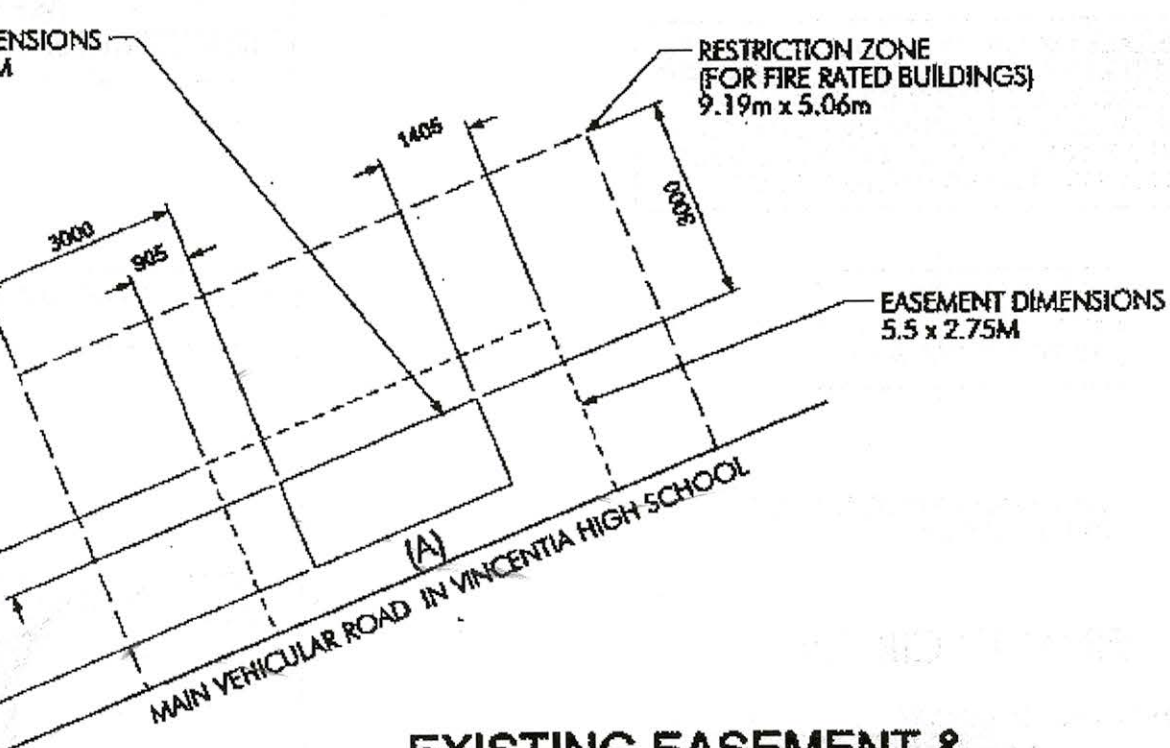
FORWARDED TO CONTESTABLE WORKS ADMINISTRATION (CWA) LOCATION: **VINCENTIA HIGH SCHOOL**

SIGNED: *Neil Mineeff* DATE: 14/07/09

All electrical apparatus shall be considered live until proved de-energised. Contact with live electrical apparatus will cause severe injury or death.

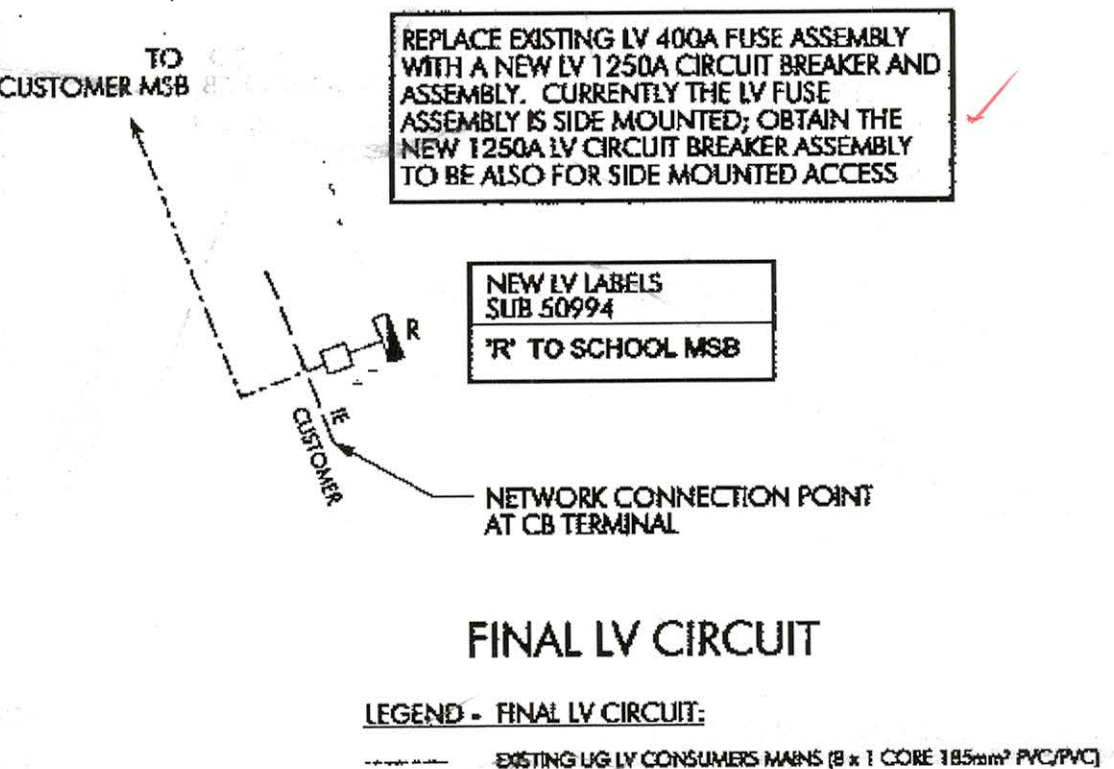
Underground assets may be congested at the approach to bridges and other structures. Typical asset depths and alignment may vary substantially, rising and falling sharply and at much shallower depths than elsewhere as they are channelled into shared allocated spaces on bridges and other structures. Additional precautions and underground asset location methods will be required in proximity to bridges and other structures.

Those excavating near Endeavour Energy's cables should be aware of the presence of asbestos and that Organisms may be present in some sub-traction lines. No excavation work should be undertaken at or below 1000PSI. Any operation exceeding 1000PSI must be undertaken in accordance with the relevant standards.



EXISTING EASEMENT & RESTRICTION ZONE DIAGRAM
SCALE 1:100

THE CONTRACTOR IS TO MAKE FLAT AND LEVEL OVER THE ENTIRE EASEMENT AREA (A) AND TO ALSO CLEAR THIS AREA FROM ANY SHRUBS. (A) EASEMENT FOR PADMOUNT SUBSTATION IS 2.75m x 5.5m, DIMENSION CENTRED AROUND THE SUBSTATION PLINTH EXCEPT FOR 0.25m OFFSET TOWARD THE HV END



REPLACE EXISTING LV 400A FUSE ASSEMBLY WITH A NEW LV 1250A CIRCUIT BREAKER AND ASSEMBLY. CURRENTLY THE LV FUSE ASSEMBLY IS SIDE MOUNTED; OBTAIN THE NEW 1250A LV CIRCUIT BREAKER ASSEMBLY TO BE ALSO FOR SIDE MOUNTED ACCESS.

NEW LV LABELS
SUB 50994
'R' TO SCHOOL MSB

NETWORK CONNECTION POINT
AT CB TERMINAL

FINAL LV CIRCUIT

LEGEND - FINAL LV CIRCUIT:
EXISTING LV LV CONSUMERS MAINS (8 x 1 CORE 185mm² PVC/PVC)

FUNDING ARRANGEMENTS FOR SCOPE OF WORKS

ASP LEVEL 1 ELECTRICAL WORKS		CUSTOMER
INTEGRAL ENERGY SUPPLIED MATERIALS	CUSTOMER FUNDED NON-CONTESTABLE WORKS	CUSTOMER FUNDED
NIL	1. Administration, design information, certification, switching, inspection & commissioning fees	Includes but not limited to: - Providing site access
INTEGRAL ENERGY FUNDED & CONSTRUCTED		
NIL		CO-ORDINATION SUPPLY REQUIRED DATE N/A
	CUSTOMER FUNDED CONTESTABLE WORKS	MATERIAL RETURNS TO NEAREST INTEGRAL ENERGY WORK DEPOT BY LEVEL 1 ASP
INTEGRAL ENERGY FUNDED & ASP L1 CONSTRUCTED - REIMBURSEMENT	ALL WORKS SHOWN ON THIS DRAWING	1 x 400A LV fuse strip, assembly & support frame
NIL		

THIS DRAWING SUPPLIES VINCENTIA HIGH SCHOOL SITE

C.A.P. No.	FILE No.	LOT No.	No. OF LOTS	DEVELOPER	DEVELOPER'S REP	Phone No.
ULL0580		560361	1	NSW DET - Vincentia High School	Gene Ransom	02 93726566

AMENDMENTS	ORIGINAL	ISSUE	AUTHORISATION OF ESTIMATED VALUE OF INTEGRAL ENERGY FUNDED ASSETS	CERTIFIED BY INTEGRAL ENERGY	DESIGN	CLIENT	REFERENCE DRGS	FILE No.	ORIGINAL SCALE	DO NOT SCALE	THE WOOL ROAD, VINCENTIA - VINCENTIA HIGH SCHOOL	INTEGRAL energy
			SIGNED: <i>Leila Elchami</i> DATE: 14/07/09	AMEND: B DATE APPROVED: 15/7/09	PETER MCQUEEN REGISTERED ARCHITECT REGISTRATION NO. 3121 LEVEL 11, MCQUEEN BUILDING 2-24 RAWSON PLACE SYDNEY NSW 2008 T 9372 8111 F 9372 8144	NEW Department of Commerce M.COUTTS-TROTTER DIRECTOR - GENERAL	ULL0580	SHOALHAVEN CITY COUNCIL	1:100		MODIFICATION TO EXISTING 315kVA PM SUB 50994	
			PRINT NAME: LEILA ELCHAMI	EXAMINERS SIGNATURE: <i>Leila Elchami</i>			GIS MAP No. 5531404		DRAWN: S.Thurbon		ELECTRICAL RETICULATION	
			FUNDING AMOUNT:	PRINT NAME: LEILA ELCHAMI			USD REF: HUSKISSON/VINCENTIA A13		DATE: 14/07/2009			
			DATE APPROVED:				HY OP DRGS: HUSKISSON 1		CHK: B.Sharrah	DESIGN: LEIChami		

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

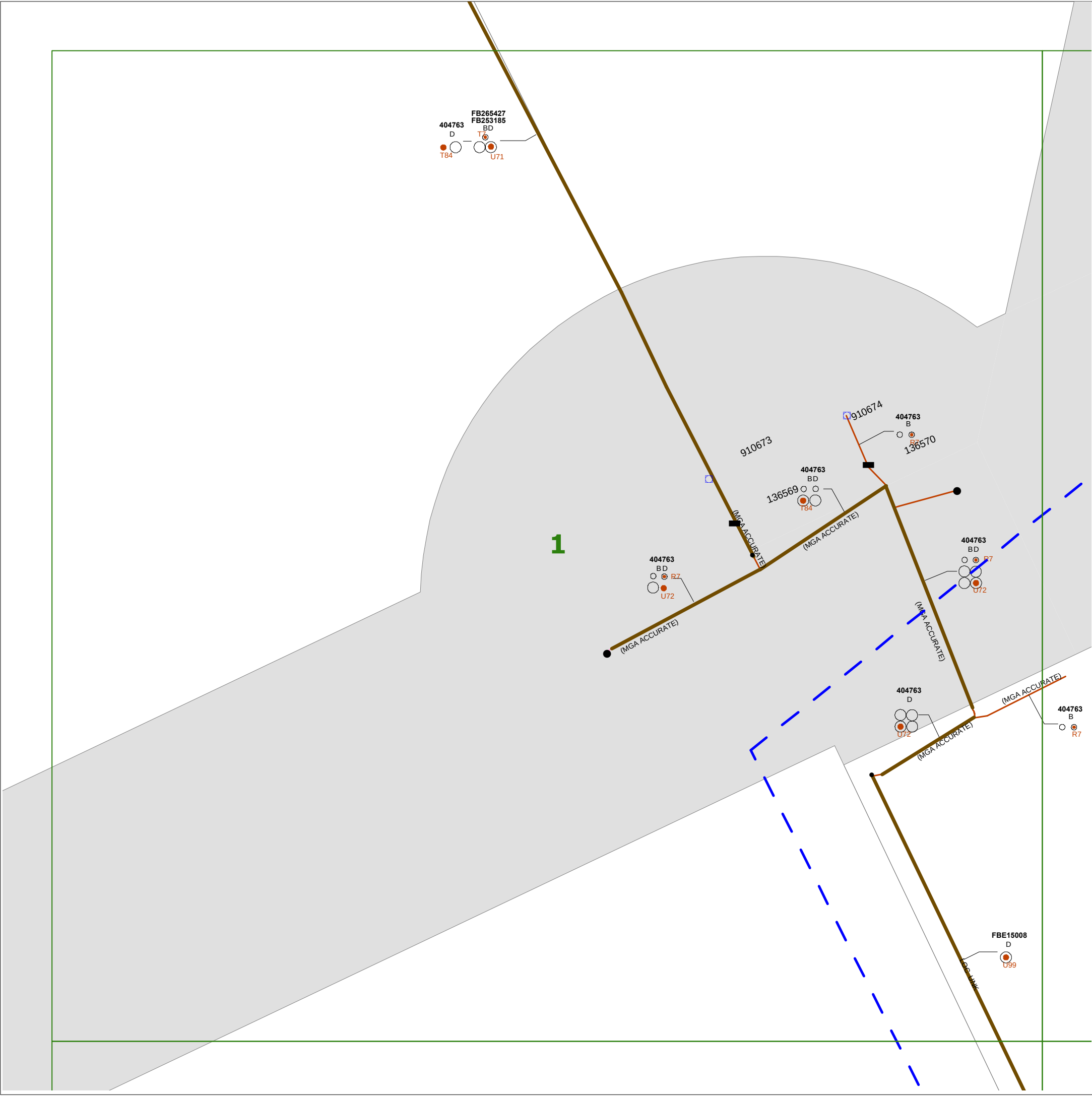
 or 

 Overground pillar (O.G.Box)

NOT TO SCALE

BYDA Sequence No.:	228546382
Issued Date:	18/08/2023

Cadastre: © Land and Property Information 2015, 2016



- 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

- 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.

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.



BYDA Sequence No.:	228546382
Issued Date:	18/08/2023

Cadastre: © Land and Property Information 2015, 2016

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

N

NOT TO SCALE

BYDA Sequence No.:	228546382
Issued Date:	18/08/2023

Cadastre: © Land and Property Information 2015, 2016

WARNING

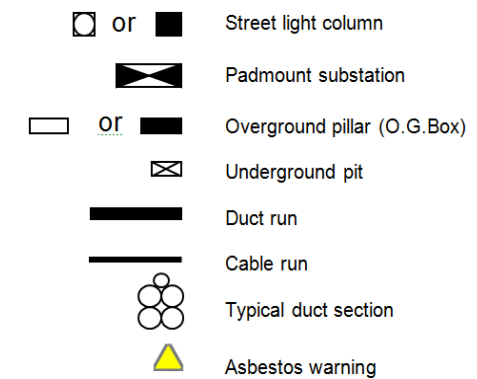
- **All electrical apparatus shall be regarded as live until proved de-energised.** Contact with live electrical apparatus will cause severe injury or death.
- Underground assets may be congested at the approach to bridges and other structures. Typical asset depths and alignment may vary substantially, 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.:	228546382
Issued Date:	18/08/2023

Cadastre: © Land and Property Information 2015, 2016

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 

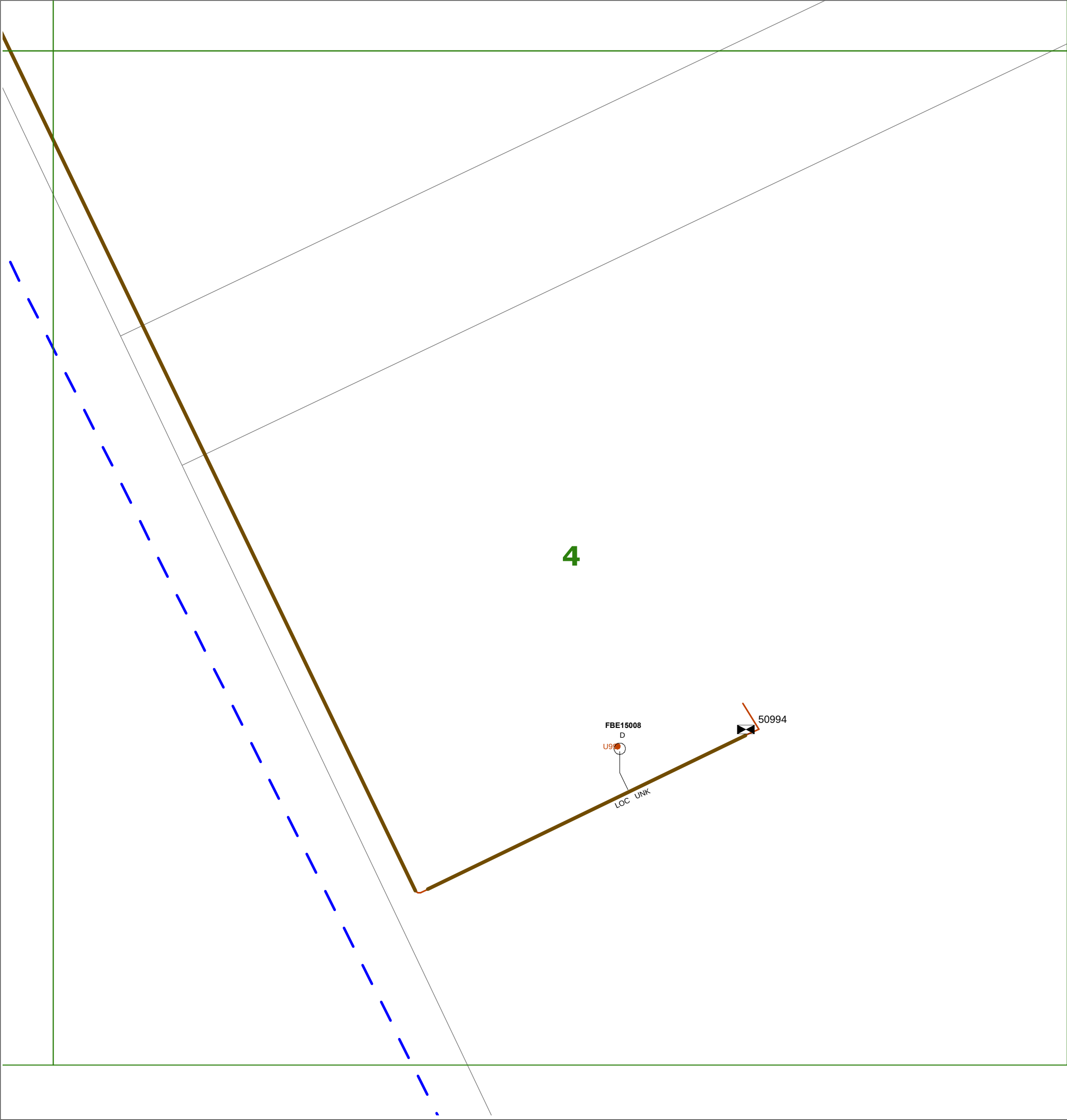
 Overground pillar (O.G.Box)
-  Underground pit
-  Duct run
-  Cable run
-  Typical duct section
-  Asbestos warning



NOT TO SCALE

BYDA Sequence No.:	228546382
Issued Date:	18/08/2023

Cadastre: © Land and Property Information 2015, 2016



To:

Phone:

Fax:

Email:

Astrea Locator

Not Supplied

Not Supplied

Astrea.Locator.3005839@mail.au.pac.pcgcs.com.au

Dial before you dig Job #:	34866513	
Sequence #	228546381	
Issue Date:	18/08/2023	
Location:	142 The Wool Road , Vincentia , NSW , 2540	

Indicative Plans

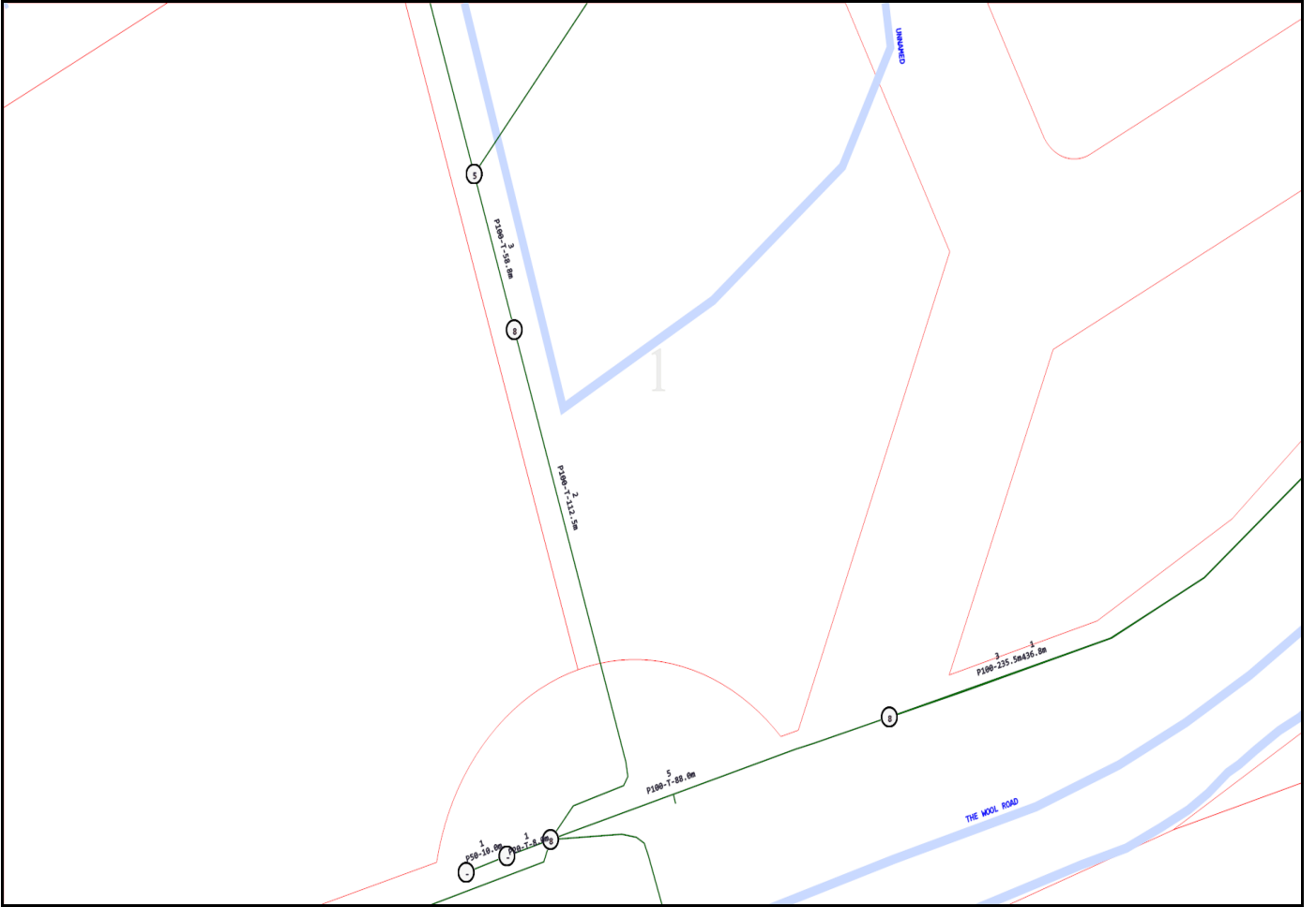
1	4
2	5
3	6

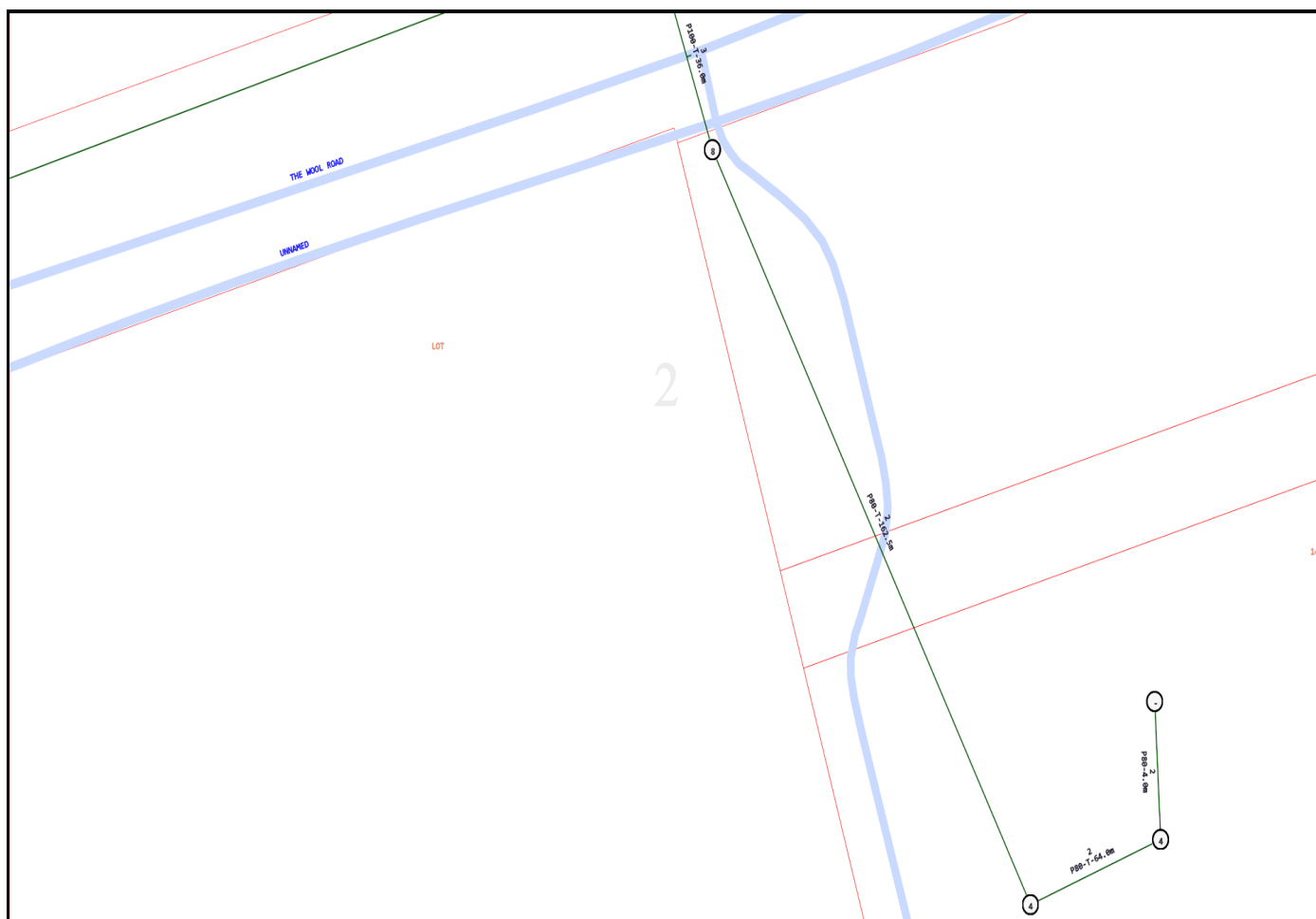


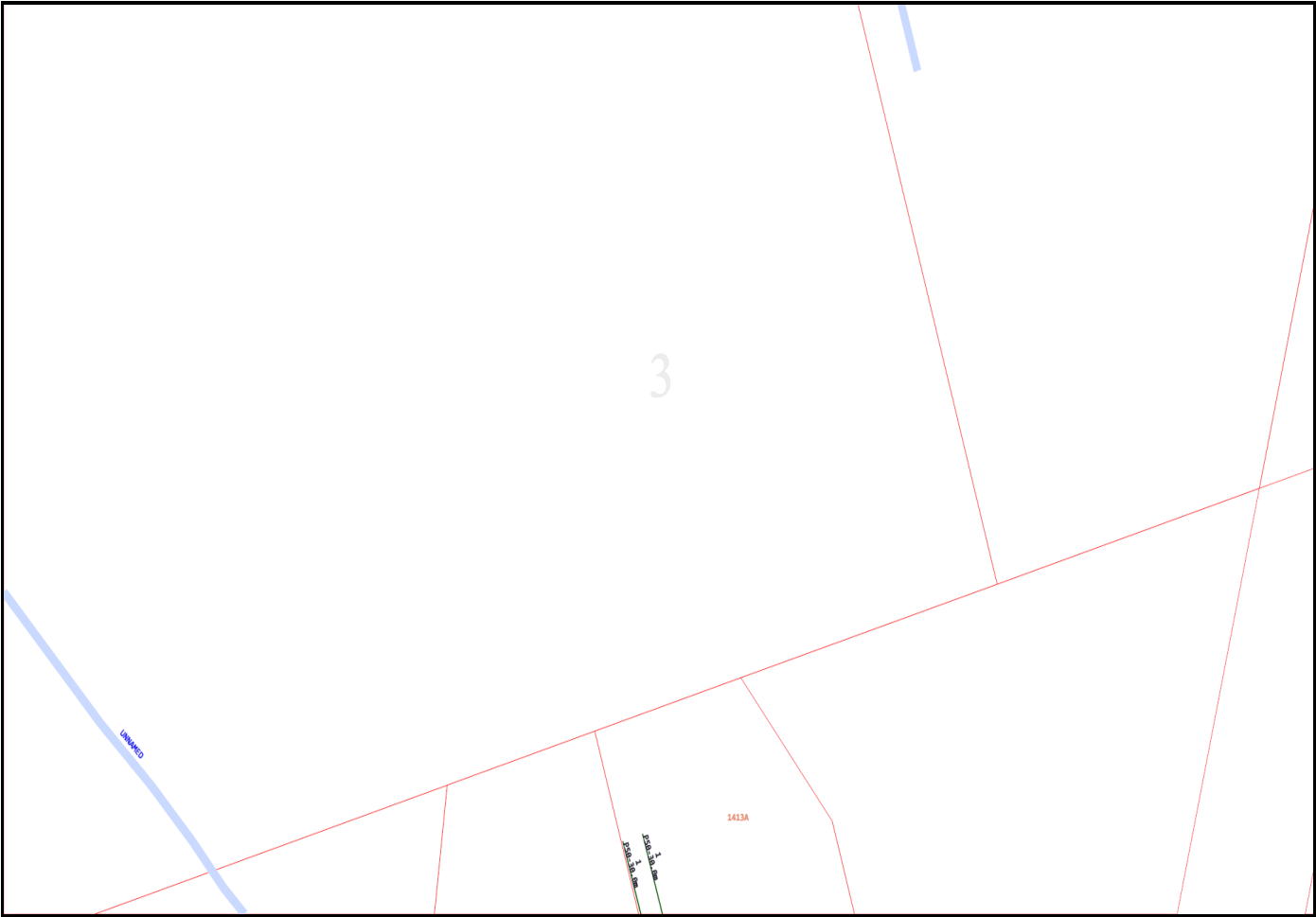
LEGEND

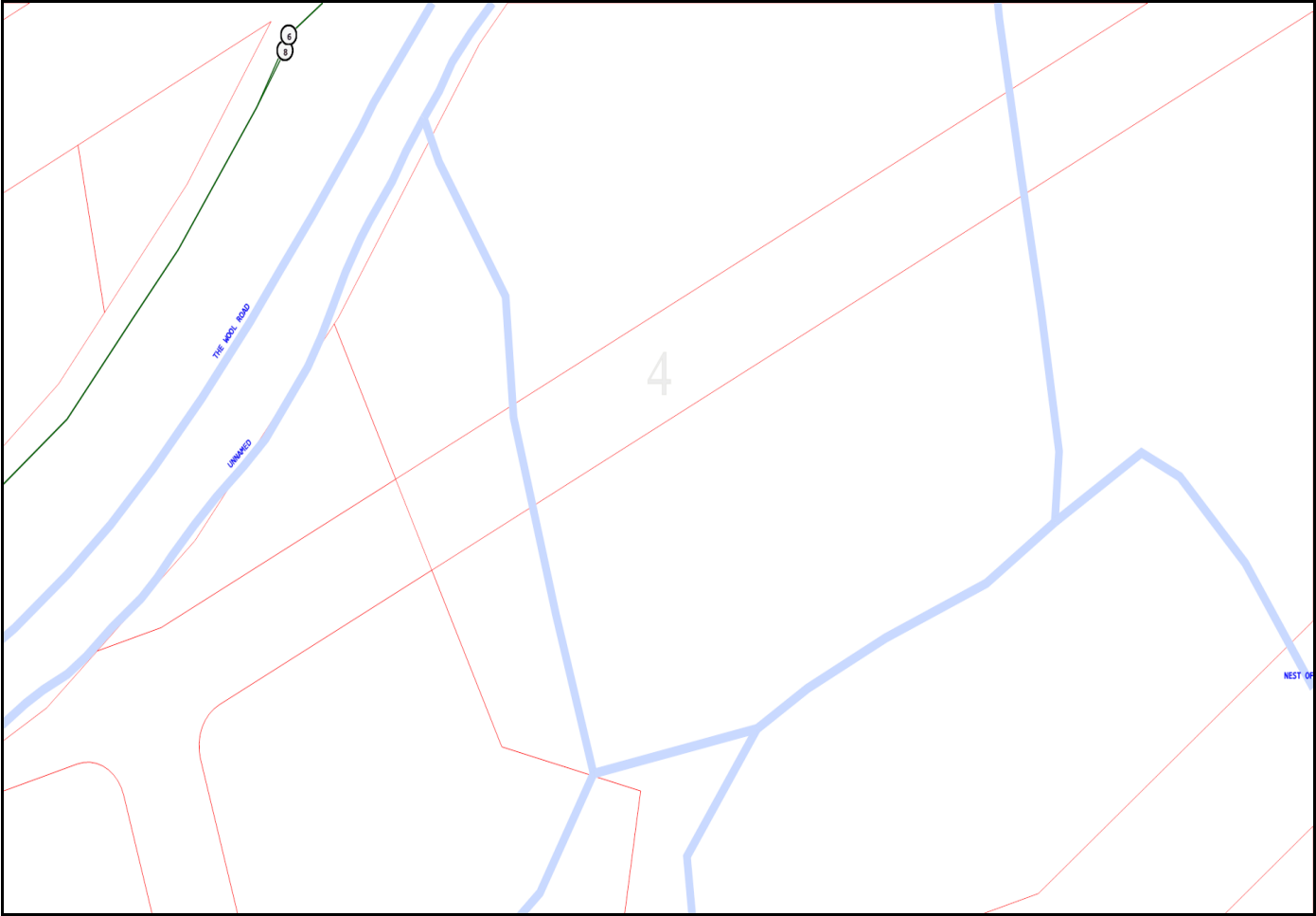


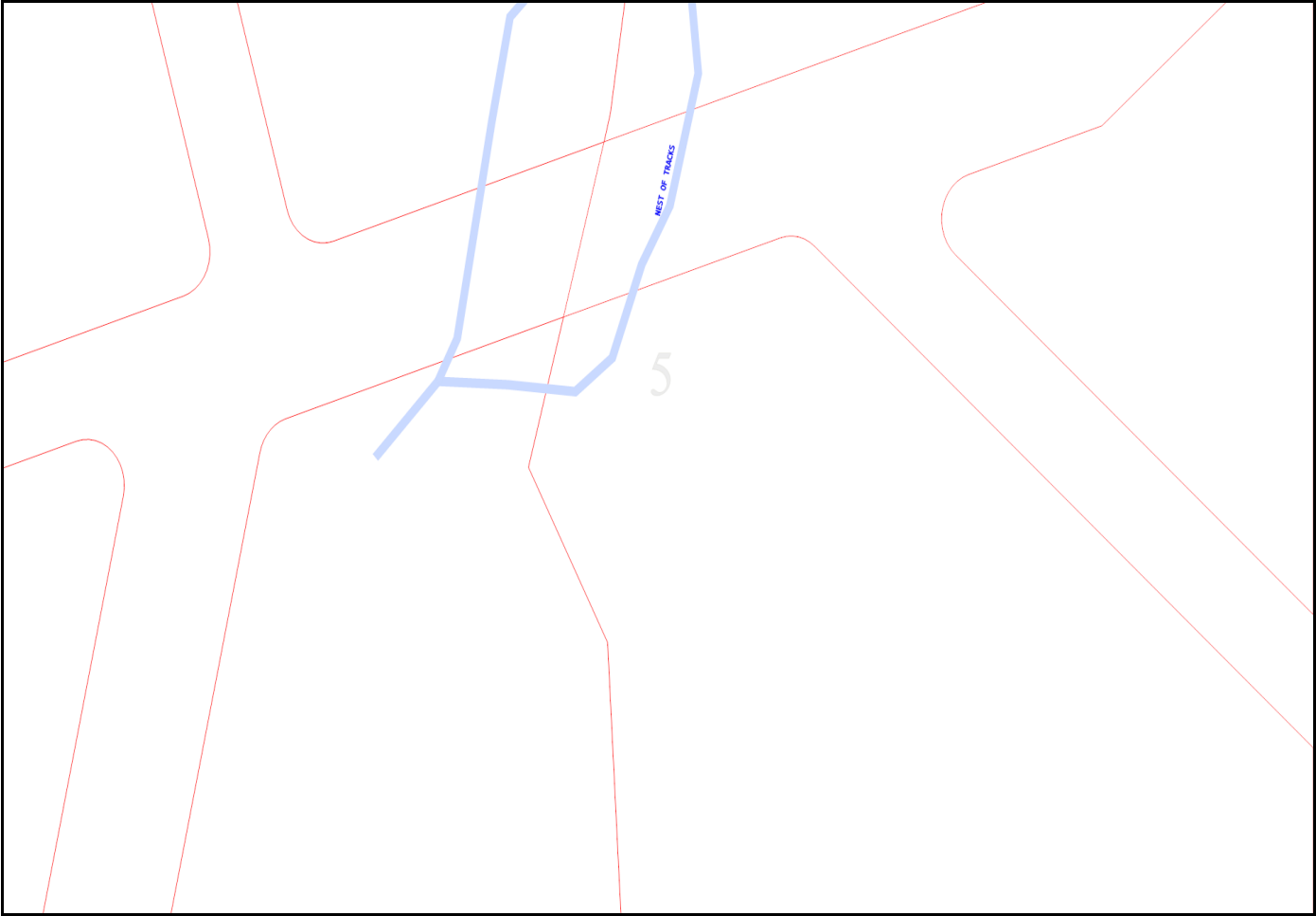
	Parcel and the location
	Pit with size "5"
	Power Pit with size "2E". Valid PIT Size: e.g. 2E, 5E, 6E, 8E, 9E, E, null.
	Manhole
	Pillar
	Cable count of trench is 2. One "Other size" PVC conduit (PO) owned by Telstra (-T-), between pits of sizes, "5" and "9" are 25.0m apart. One 40mm PVC conduit (P40)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

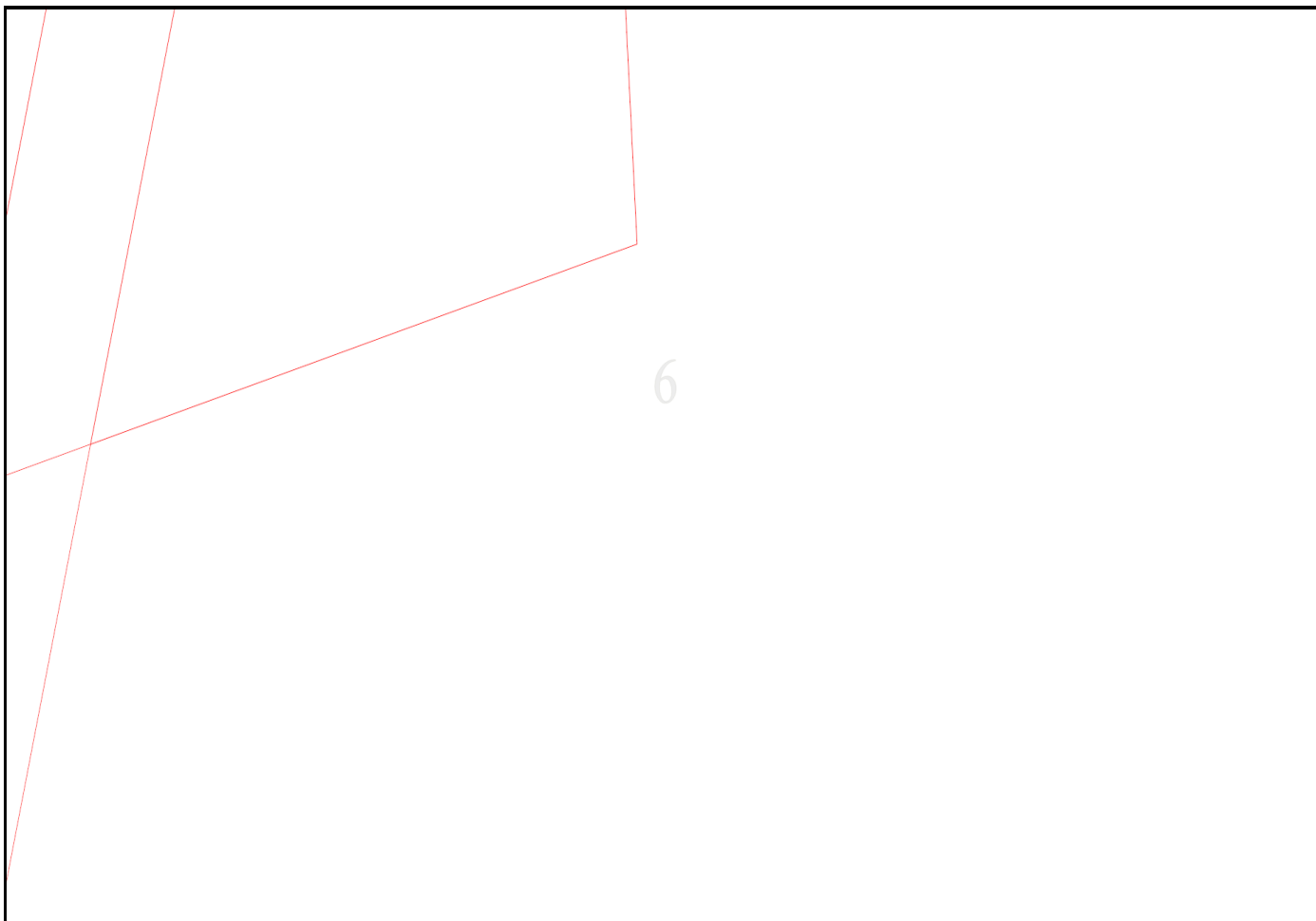






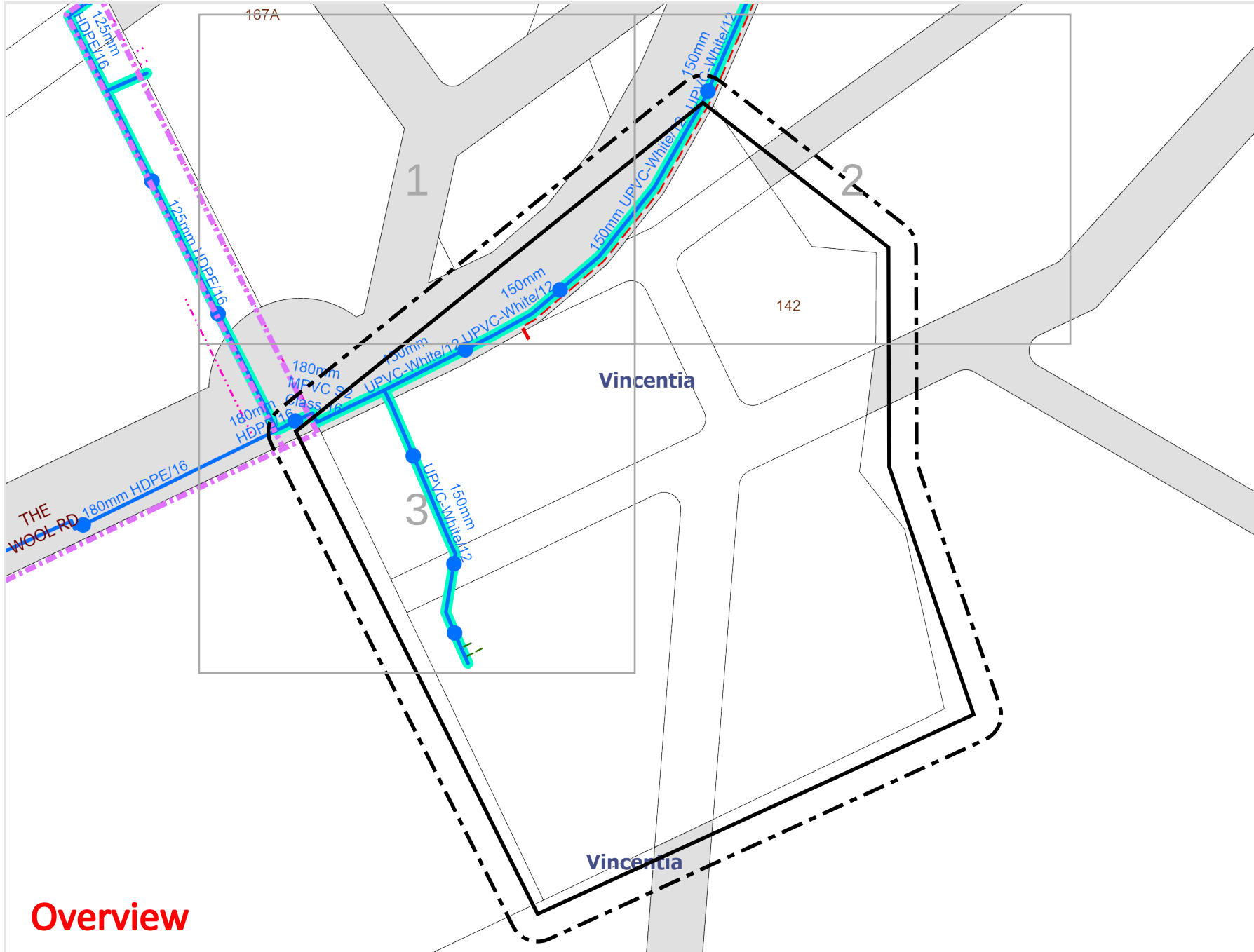






Emergency Contacts

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



Legend

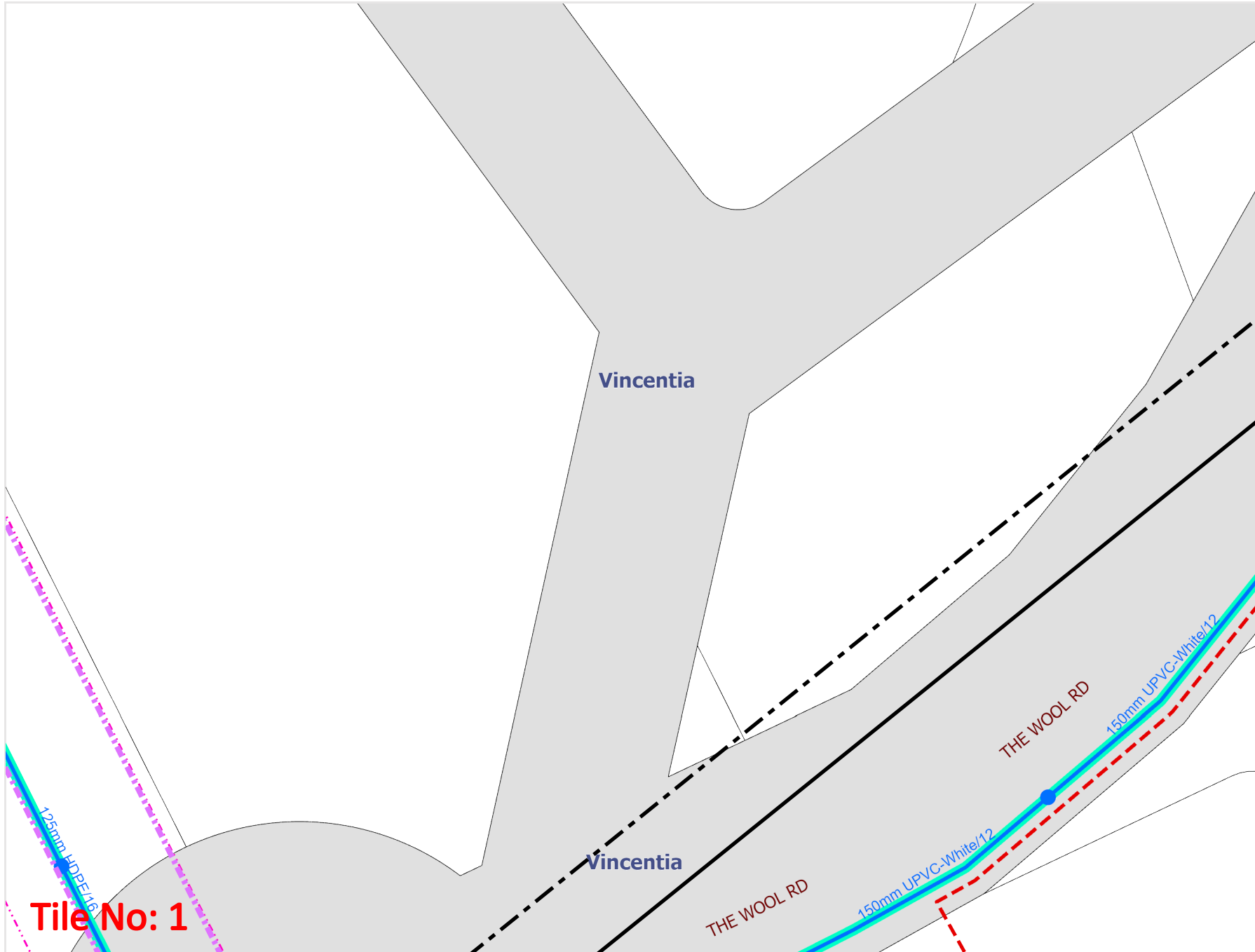
- Abandoned Main
- Critical
- Under Construction
- Concrete Encasement
- Pipe Encasement
- Under Road Conduit
- Pipe Sleeve
- REMS**
- Distribution Main
- Transfer Main
- Tertiary Treated Effluent Release Main
- Short Service Main
- Long Service Main
- Water**
- Hydrant
- Reticulation Main
- Trunk Main
- 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: 1:2886
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



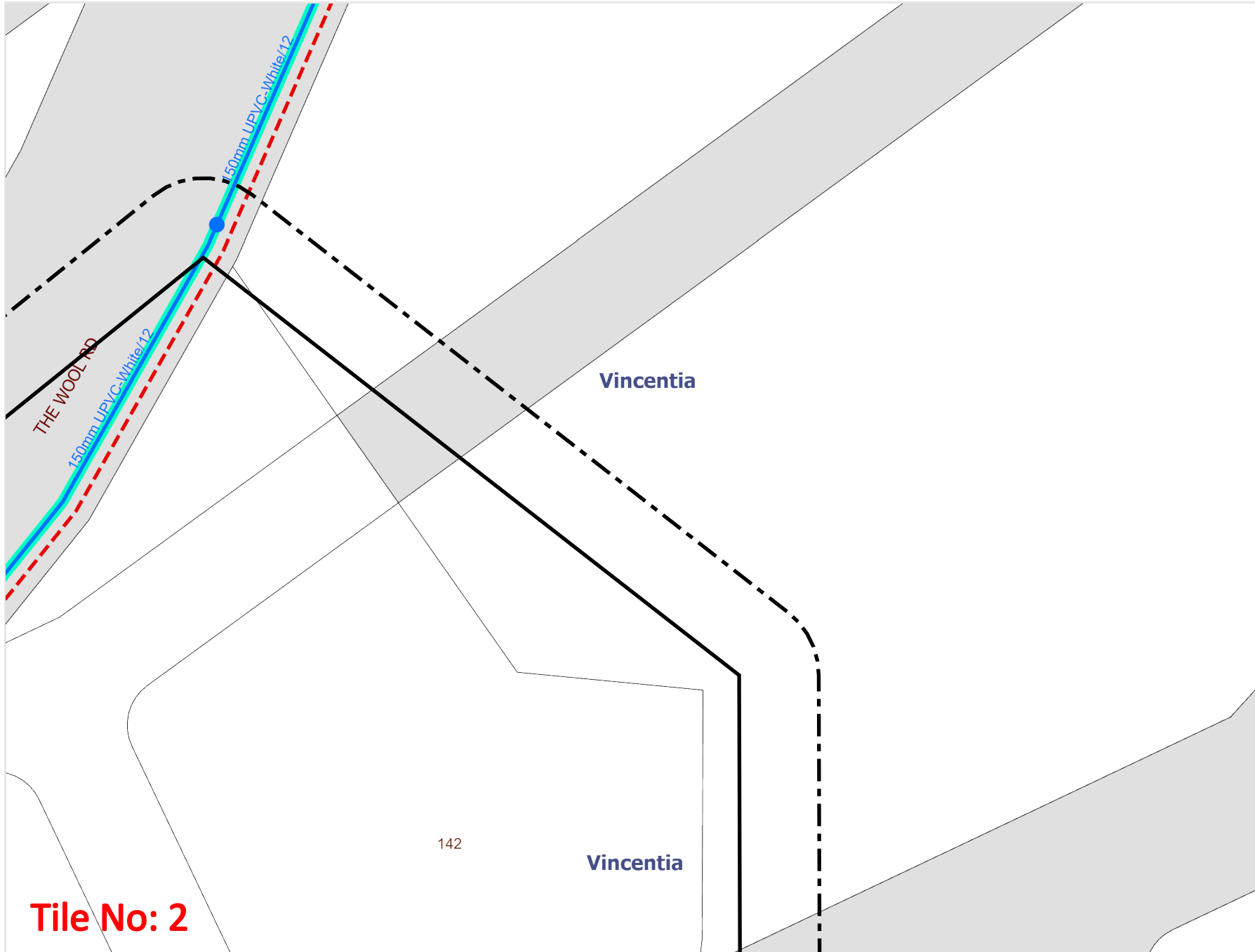
Legend

- 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
 - Retiulation 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.



Legend

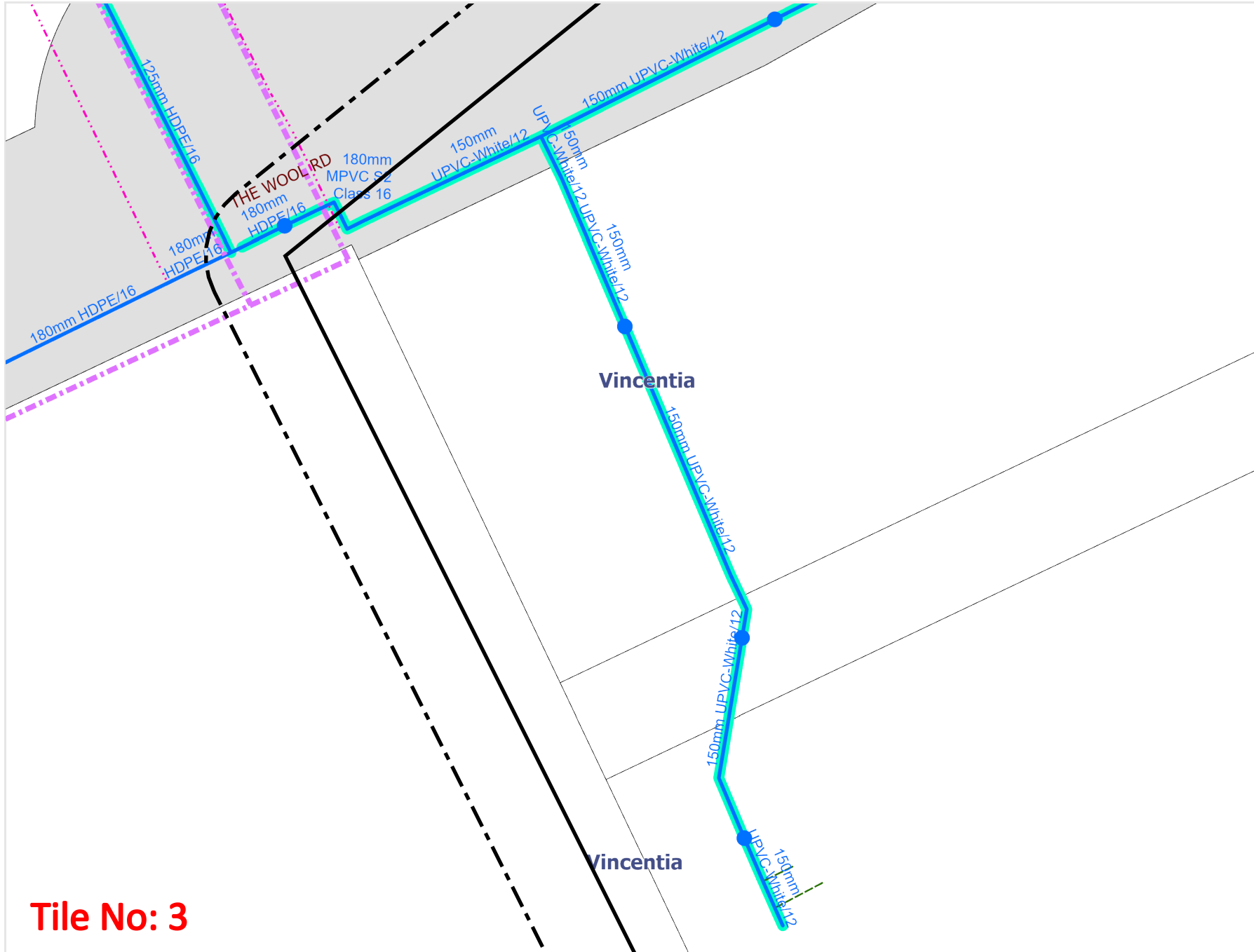
- Abandoned Main
- Critical
- Under Construction
- Concrete Encasement
- Pipe Encasement
- Under Road Conduit
- Pipe Sleeve
- REMS**
- Distribution Main
- Transfer Main
- Tertiary Treated Effluent Release Main
- Short Service Main
- Long Service Main
- Water**
- Hydrant
- Reticulation Main
- Trunk Main
- 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



Legend

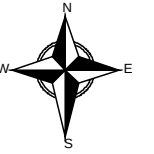
- Abandoned Main
- Critical
- Under Construction
- /// Concrete Encasement
- Pipe Encasement
- Under Road Conduit
- Pipe Sleeve
- REMS**
- Distribution Main
- Transfer Main
- Tertiary Treated Effluent Release Main
- Short Service Main
- Long Service Main
- Water**
- Hydrant
- Retention Main
- Trunk Main
- Raw Water Main
- Private Main
- Service Mains
- Sewer**
- Manhole
- Gravity Main
- Outfall Main
- Unconnected Main
- Overflow Main
- Rising Main
- Surge 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: 3

[illegible]

TELSTRA LIMITED A.C.N. 086 174 781

Sequence Number: 228546383

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.

WARNING

Telstra plans and location information conform to Quality Level "D" of the Australian Standard AS 5488-Classification of Subsurface Utility Information.

As such, Telstra supplied location information is indicative only. Spatial accuracy is not applicable to Quality Level D.

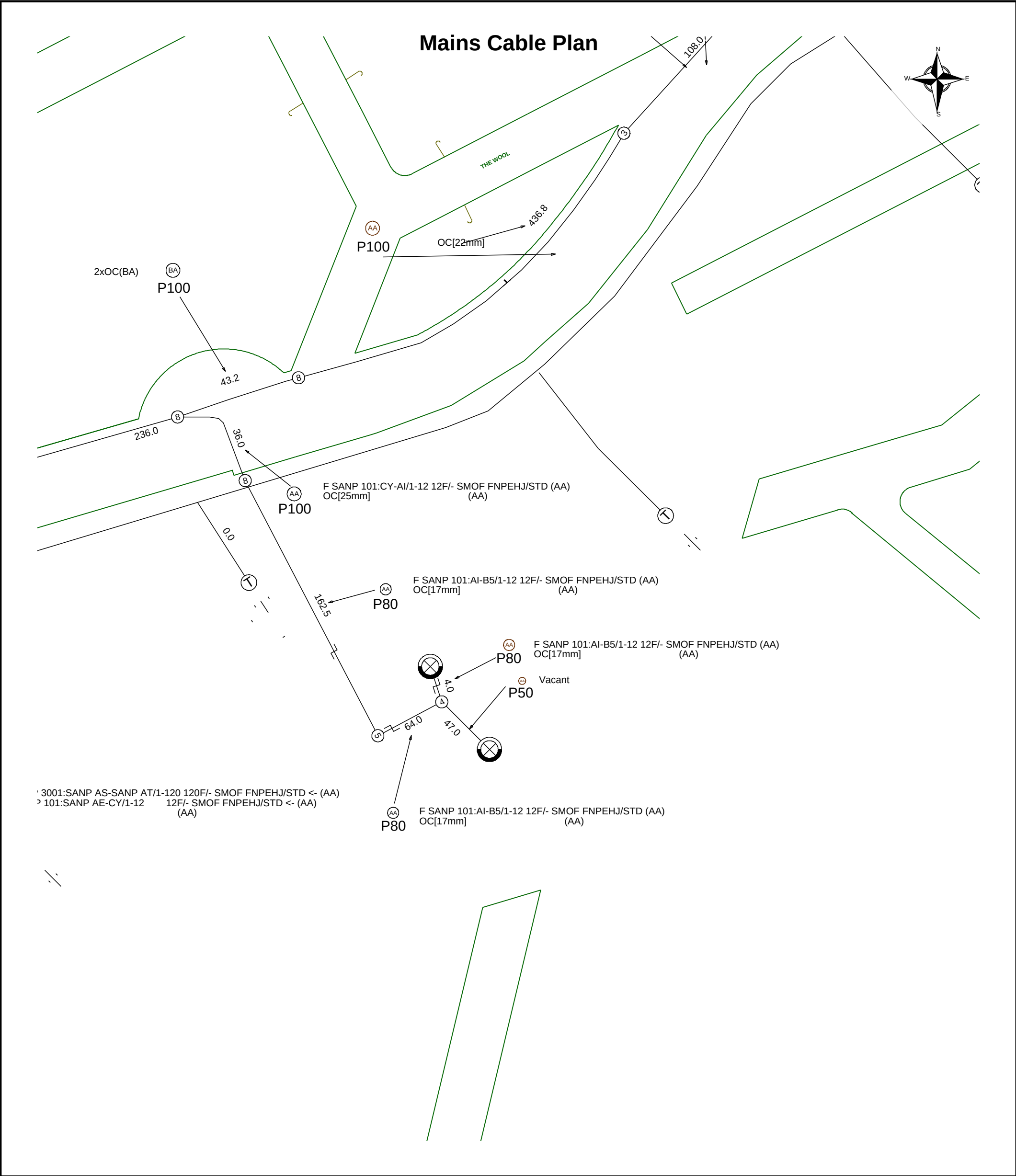
Refer to AS 5488 for further details. The exact position of Telstra assets can only be validated by physically exposing it.

Telstra does not warrant or hold out that its plans are accurate and accepts no responsibility for any inaccuracy.

Further on site investigation is required to validate the exact location of Telstra plant prior to commencing construction work.

A Certified Locating Organisation is an essential part of the process to validate the exact location of Telstra assets and to ensure the asset is protected during construction works.

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



	Report Damage: https://service.telstra.com.au/customer/general/forms/report-damage-to-telstra-equipment Ph - 13 22 03 Email - Telstra.Plans@team.telstra.com Planned Services - ph 1800 653 935 (AEST bus hrs only) General Enquiries	Sequence Number: 228546383
TELSTRA LIMITED A.C.N. 086 174 781 Generated On 18/08/2023 14:41:00		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.

WARNING

Telstra plans and location information conform to Quality Level "D" of the Australian Standard AS 5488-Classification of Subsurface Utility Information. As such, Telstra supplied location information is indicative only. Spatial accuracy is not applicable to Quality Level D. Refer to AS 5488 for further details. The exact position of Telstra assets can only be validated by physically exposing it. Telstra does not warrant or hold out that its plans are accurate and accepts no responsibility for any inaccuracy. Further on site investigation is required to validate the exact location of Telstra plant prior to commencing construction work. A Certified Locating Organisation is an essential part of the process to validate the exact location of Telstra assets and to ensure the asset is protected during construction works.

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

APPENDIX C – SHEETED DETAIL SITE SURVEY

A1

UTILITY ASSETS LEGEND	
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	— OH — OH — OH —

- UTILITY MAPPING NOTES:
- Subsurface utility investigation was undertaken by Astrea 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) AS4488 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
PQJM - DRAINAGE JUNCTION MANHOLE
PSMH - SEWER MANHOLE
PW-HY - HYDRANT
PWSV - STOP VALVE
PQUL - GULLY PIT
PQPM - GAS MARKER
PQTF - GAS TEST POINT
PPPL - POWER POLE
PTSP - TELSTRA PIT
TK - TOP OF KERB
PO - PRAM RAMP
FP - FOOTPATH

LP - LIP OF GUTTER
EOT - END OF TRACE
UTL - UNABLE TO LOCATE
FOD - FULL OF DIRT

NEAREST TYPE
PROTECTION QUALITY LEVEL
CLASS A100
33.15

SERVICE LOCATION
LOCATION OF CENTRE OF PIPE
LEVEL AT THE TOP OF PIPE

DIAL BEFORE YOU DIG
www.1100.com.au

GENERAL SURVEY NOTES:

- THIS TITLES LOCK 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 1:1000

0 10 20 30 40 50 60 70 80 90 100

GDA 2020

ORIGIN	PM66501
ORIENTATION	E 287148.053 N 6116179.025
AHD ORIGIN	PM66501 - PM 76129
	PM66501 RL 17.600

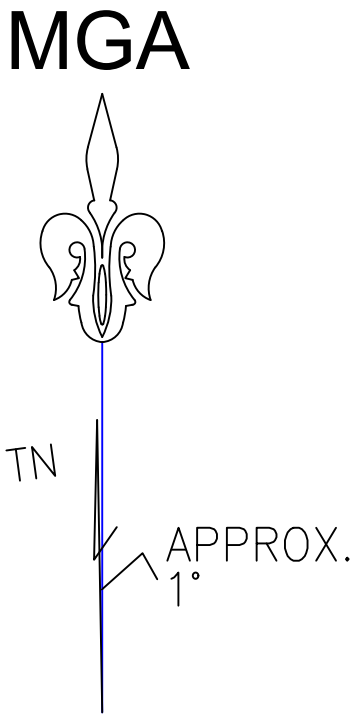
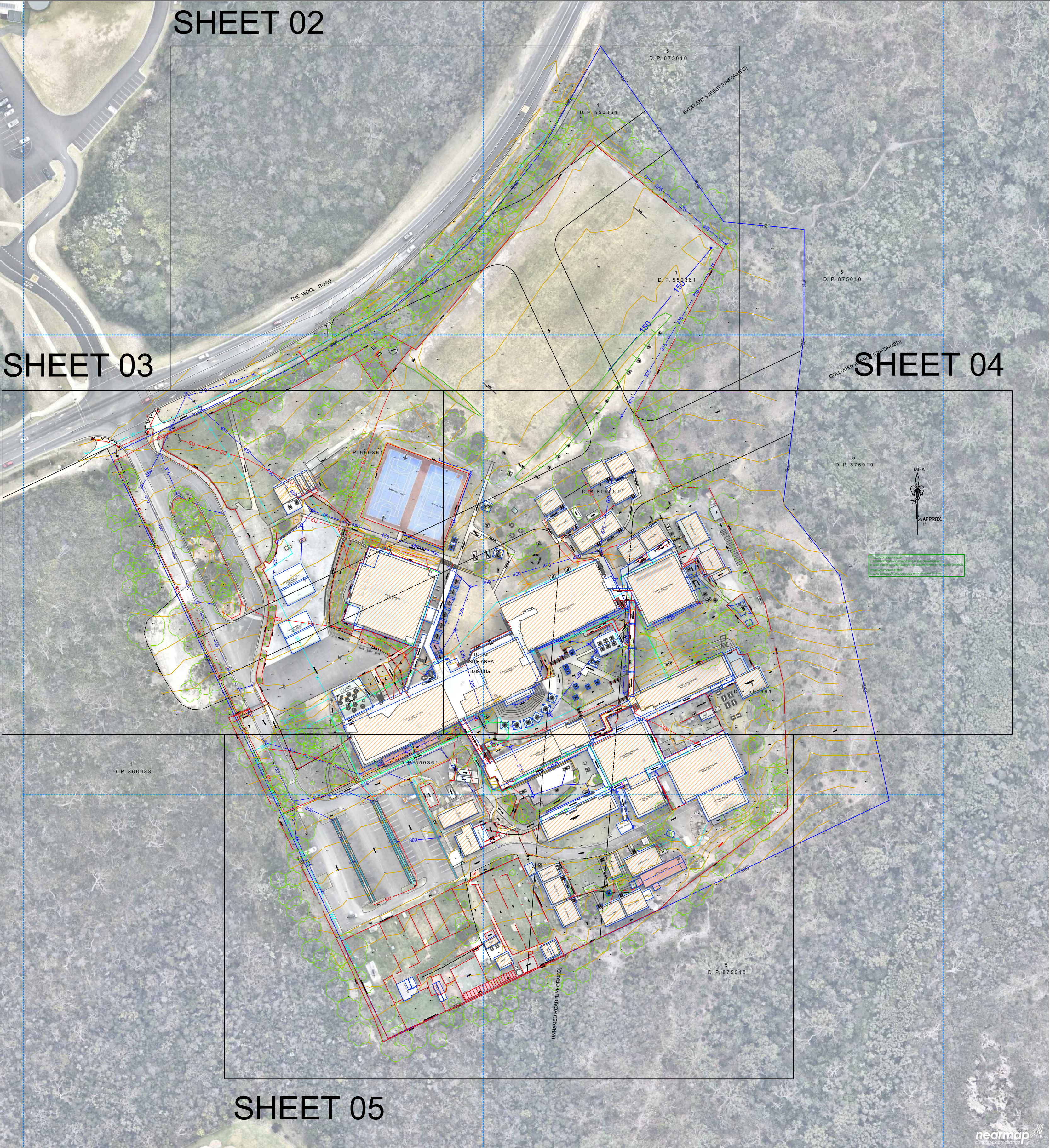
CLIENT : SCHOOLS INFRASTRUCTURE
PLAN IN RELATION TO : VINCENTIA HIGH SCHOOL
SHOWING : TOPOGRAPHICAL SURVEY AND UTILITY MAPPING IN ACCORDANCE WITH AS4588.1-2019
PURPOSE: ENGINEERING DESIGN
SHEET 01 OF 05

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 : A4066	I/D 7453
DWG No. A4066-UTIL&TOPO	
SURVEYOR: BD, JD, EK	REGISTERED LAND SURVEYOR UNDER THE SURVEYING AND SPATIAL INFORMATION ACT, 2002
DATE OF SURVEY: OCT 2023	
UTILITY LOCATOR: LB	
© ASTREA 2023 - UNAUTHORISED USE IS PROHIBITED	
REV	AMENDMENTS
	DATE





UTILITY ASSETS LEGEND

Electricity

EU

EU

COMMS TELEPHONE LINE

T

T

COMMS OPTICAL FIBRE

OU

OU

COMMS HOUSE CONNECTION

TH

TH

Water Main

WR

WR

Recycled Water Main

WR

WR

Water House Connection

WH

WH

Low Pressure Gas

GH

GH

Gas House Connection

GH

GH

Sewer Main

S

S

Stormwater Pipe

SW

SW

Overhead Electricity

OH

OH

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) 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

PDJM - DRAINAGE JUNCTION MANHOLE

PSMH - SEWER MANHOLE

PWHY - HYDRANT

PWSV - STOP VALVE

PQU - GULLY PIT

POPM - GAS MARKER

POTF - GAS TEST POINT

PPPL - POWER POLE

DW - DRIVEWAY

PTSP - TELSTRA PIT

TK - TOP OF KERB

PO - PRAM RAMP

FP - FOOTPATH

LP - LIP OF GUTTER

DOT - END OF TRACE

UTL - UNABLE TO LOCATE

FOD - FULL OF DIRT

SCALE 1:300

0

10

20

30

GDA 2020

ORIGIN

ORIENTATION

AHD ORIGIN

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 : VINCENTIA HIGH 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

JOB REFERENCE : A4066

DWG No. A4066-UTIL&TOPO

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 1/550361:
1. RESERVATIONS AND CONDITIONS IN THE CROWN GRANT
2. LAND EXCLUDES MINERALS BY THE CROWN GRANT OF 137 ACRES 3 ROODS
TITLE NOTATIONS 1/809057:
1. LAND EXCLUDES MINERALS VIDE MEMORANDUM T447400

5
D. P. 87 50 10

MGA

EXCELLENT STREET (UNIFORM)
APPROX. 1°

1
D. P. 550361

1
D. P. 550361

THE WOOL ROAD

A1

GENERAL SURVEY LEGEND:

DP - DRAINAGE PIT
PDJM - DRAINAGE JUNCTION MANHOLE
PSMH - SEWER MANHOLE
PWHY - HYDRANT
PWSV - STOP VALVE
PQU - GULLY PIT
POPM - GAS MARKER
POTF - GAS TEST POINT
PPPL - POWER POLE
DW - DRIVEWAY
PTSP - TELSTRA PIT
TK - TOP OF KERB
PO - PRAM RAMP
FP - FOOTPATH
LP - LIP OF GUTTER
DOT - END OF TRACE
UTL - UNABLE TO LOCATE
FOD - FULL OF DIRT

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 : VINCENTIA HIGH 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 : A4066	I/D 7453
DWG No. A4066-UTIL&TOPO	
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



A1

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	
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) 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
PJUM - DRAINAGE JUNCTION MANHOLE
PSMH - SEWER MANHOLE
PW-HY - HYDRANT
PWSV - STOP VALVE
PQUL - GULLY PIT
PPM - GAS TEST POINT
POT - GAS TEST POINT
PPPL - POWER POLE
PTSP - TELSTRA PIT
TK - TOP OF KERB
PO - PRAM RAMP
FP - FOOTPATH

LP - LIP OF GUTTER
EOT - END OF TRACE
UTL - UNABLE TO LOCATE
FOD - PULL OF DIRT

SCALE 1:300

GDA 2020

DIAL BEFORE YOU DIG
www.1100.com.au

GENERAL SURVEY NOTES:

- 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 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 1:300

GDA 2020

ORIGIN E N
ORIENTATION -
AHD ORIGIN -

CLIENT : SCHOOLS INFRASTRUCTURE

PLAN IN RELATION TO : VINCENCIA HIGH 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, TRINITY II, TRINITY BUSINESS PARK
39 DELHI ROAD, NORTH RYDE 2113
SCOTT DEVERIDGE 0425 285 270
www.astrea.com.au

Astrea

JOB REFERENCE : A4066
DWG No. A4066-UTIL&TOPO

SURVEYOR: BD
DATE OF SURVEY: OCT 2023
UTILITY LOCATOR: LB

SCOTT DEVERIDGE
REGISTERED LAND SURVEYOR
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 Atlas 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.

GENERAL SURVEY LEGEND:

DP - DRAINAGE PIT
DUM - DRAINAGE JUNCTION MANHOLE
PSMH - SEWER MANHOLE
PW-HV - HYDRANT
PWSV - STOP VALVE
PQUL - GULLY PIT
PGPM - GAS MARKER
POTF - GAS TEST POINT
PPPL - POWER POLE
DW - DRIVEWAY
PTSP - TELSTRA PIT
TK - TOP OF KERB
PO - PRAM RAMP
FP - FOOTPATH

RECEIVED LOCATION
LOCATION OF CENTRE OF PIPE
LEVEL OF THE TOP OF PIPE

RECEIVED TYPE
PROTECTION QUALITY LEVEL
PIPE MATERIAL & SIZE

TN/A A100
33.15

GENERAL SURVEY NOTES:

* THIS TITLER BLOCK 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 1:300

0 10 20 30

GDA 2020

ORIGIN

ORIENTATION

AHD ORIGIN

E N

CLIENT : SCHOOLS INFRASTRUCTURE

PLAN IN RELATION TO : VINCENTIA HIGH 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 2023 - UNAUTHORISED USE IS PROHIBITED

JOB REFERENCE : A4066
DWG No. A4066-UTIL&TOPO

SURVEYOR: BD

DATE OF SURVEY: OCT 2023

UTILITY LOCATOR: LB

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

REV AMENDMENTS DATE

Astrea



TITLE NOTATIONS 1/550361:
1. RESERVATIONS AND CONDITIONS IN THE CROWN GRANT
2. LAND EXCLUDES MINERALS BY THE CROWN GRANT OF 137 ACRES 3 RODS
TITLE NOTATIONS 1/809057:
1. LAND EXCLUDES MINERALS VIDE MEMORANDUM T447400

A1

UTILITY ASSETS LEGEND	
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	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
FOLM - DRAINAGE JUNCTION MANHOLE
PSMH - SEWER MANHOLE
PW-HY - HYDRANT
PWSV - STOP VALVE
PQUL - GULLY PIT
PQPM - GAS MARKER
POTF - GAS TEST POINT
PPPL - POWER POLE
DW - DRIVEWAY
PTSP - TELSTRA PIT
TK - TOP OF KERB
PO - PRAM RAMP
FP - FOOTPATH

LP - LIP OF GUTTER
EOT - END OF TRACE
UTL - UNABLE TO LOCATE
FOD - FULL OF DIRT

GENERAL SURVEY NOTES:
* THIS TITLER LOCK 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 1:300

ORIGIN - E N
ORIENTATION -
AHD ORIGIN -

GDA 2020

DIAL BEFORE YOU DIG
www.1100.com.au

GENERAL SURVEY NOTES:
* THIS TITLER LOCK 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 1:300

ORIGIN - E N
ORIENTATION -
AHD ORIGIN -

GDA 2020

CLIENT : SCHOOLS INFRASTRUCTURE

PLAN IN RELATION TO :
VINCENTIA HIGH SCHOOL

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

PURPOSE: ENGINEERING DESIGN

SHEET 05 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

JOB REFERENCE : A4066
DWG No. A4066-UTIL&TOPO
SURVEYOR: BD
DATE OF SURVEY: OCT 2023
UTILITY LOCATOR: LB

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

© ASTREA 2023 - UNAUTHORISED USE IS PROHIBITED

REV AMENDMENTS DATE

I/D 7453

Astrea

APPENDIX D – Underground Service Locator Field Report.

SUBSURFACE UTILITY INVESTIGATION REPORT FOR

Schools Infrastructure

Vincentia High School



1300 009 346

astrea.com.au

info@astrea.com.au

COMPILED BY: LB MB TH

INVESTIGATION DATE: 9-Oct-2023

CLIENT:	Schools Infrastructure	DATE:	9-Oct-2023
SITE CONTACT:	Glenn Francis	MOBILE:	0428 261 881
EMAIL:	Glenn.francis@det.nsw.edu.au		
WORK LOCATION:	Vincentia High School		

INVESTIGATION BY:	LB MB TH	DBYD REF. NO:	34866513
SITE SPECIFIC PLANS:	NA	DBYD ENQUIRY DATE:	18-Aug-2023
SWMS NO:	COMPLETED: YES ☐ NO ☐		
CLIENT SITE REVIEW:	COMPLETED: YES ☐ NO ☐	ASTREA SITE SUPERVISOR:	LB MB TH

LOCATING QUALITY LEVELS PURSUANT TO AS5488-2019

Quality Level A QL-A	<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 QL-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 QL-C	<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 QL-D	<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 ☒ QL-B ☒ QL-C ☒ QL-D ☐		GPR ☐ EM ☒
OPTICAL FIBRE	QL-A ☐ QL-B ☒ QL-C ☐ QL-D ☐		GPR ☐ EM ☒
ELECTRICITY	QL-A ☐ QL-B ☒ QL-C ☒ QL-D ☐		GPR ☒ EM ☒
WATER	QL-A ☐ QL-B ☒ QL-C ☐ QL-D ☒		GPR ☒ EM ☒
GAS	QL-A ☐ QL-B ☒ QL-C ☐ QL-D ☒		GPR ☒ EM ☒
SEWER	QL-A ☒ QL-B ☒ QL-C ☒ QL-D ☒		GPR ☒ EM ☒
STORMWATER	QL-A ☒ QL-B ☐ QL-C ☒ QL-D ☒		GPR ☒ EM ☒
UNKNOWN	QL-A ☐ QL-B ☐ QL-C ☐ QL-D ☐		GPR ☐ EM ☐

Site Notes

Some some services could not be traced as these were non conductive services-e.g. sewer rising main. These will be represented as class on the drawing.

Large retention pit in the sewer pump out yard was full of debris, could not determine the function of pit.

Sewer gravity pit could not be traced into the rising main pump. Pipe may be obstructed.

Some pits were full of debris and could not be traced- asset register in main report.

Scope of Works



Colour Legend

Telstra/Comms	
Electricity	
Water	
Gas	
Stormwater	
Sewer	
Unknown	

Linestyle Legend

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

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

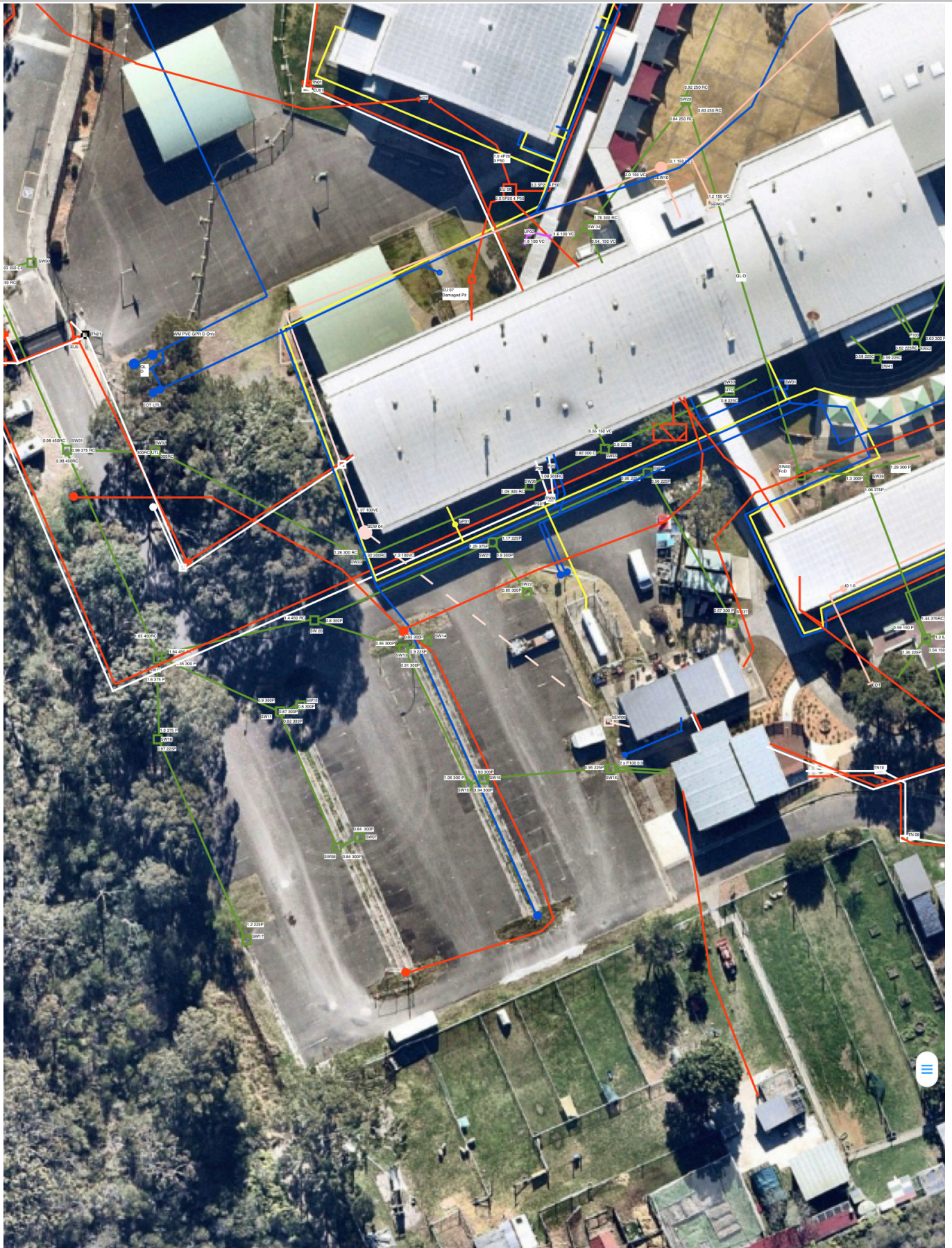
Class D (not identified)	
--------------------------	--

EOT = END OF TRACE

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 MB TH

DATE: 9-Oct-2023

SIGNATURE:



**CERTIFIED
LOCATOR**
www.dbydlocator.com



ACCREDITED
PLANT
LOCATOR

