

Surveying Consulting Services

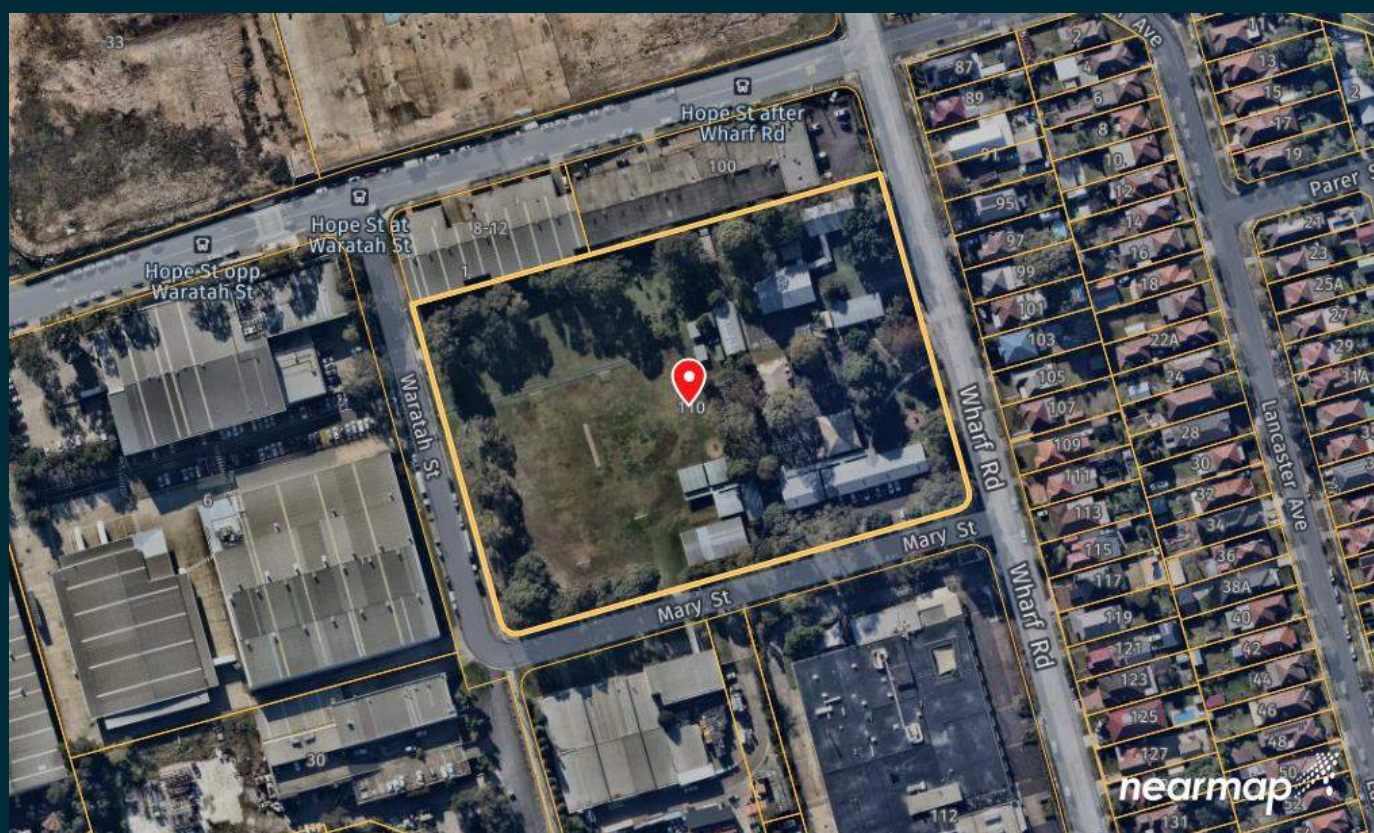
Part 1 – Desktop Analysis Review for Melrose Park Public School



Prepared for:



Education
School Infrastructure



Project Name:	Melrose Park Public School: New – Land Surveying Services
Report Title:	Part 1 – Desktop Analysis Review
File Name:	Land Surveying Consulting Services DD – Melrose Park Public - 3846 - SDG - DDWO04838-23
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School ID:	3846
School Address:	110 Wharf Road Melrose Park NSW 2114
School Region:	Sydney Metropolitan
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Report Information

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Acronyms and Definitions

Document

Acronym	Definition
AHD	Australian Height Datum
BYDA	Before You Dig Australia
DP	Deposited Plan
Fig.	Figure
GPS	Global Positioning System
kPa	Kilopascal
m	Metre
MGA	Map Grid of Australia
NBN	National Broadband Network
No.	Number
NSW	New South Wales
PM	Permanent (Survey) Mark
SSM	State Survey Mark

Topographic Drawing

Acronym	Definition
ABN	Australian Business Number
AHD	Australian Height Datum
B	Bollard
BB	Bottom of Bank
CHK	Checked By
CL	Centreline (of road)
COL	Column
COM	Communications Pit
D	Door
DIAM	Diameter (of tree)
DM	Demountable
DWG	Drawing
ELP	Electricity Pillar
EP	Electricity Pit
F.C.	Fibrous-Cement
GAS	Gas Marker / Lid
GDA	Geocentric Datum of Australia
GDB	Garden Bed
GH	Green House
GR	Grate
GUT	Gutter of Kerb
HYD	Hydrant
ID	Identification
ISO	International Organisation for Standardisation
LG	Linear Drainage Grate
LGA	Local Government Area
LIP	Lip of Kerb

LP	Light Pole
M	Metre
MGA	Map Grid of Australia
PC	Pedestrian Crossing
PP	Power Pole
PU	Positional Uncertainty
RD	Roller Door
REF	Reference
RL	Reduced Level
SCIMS	Survey Control Information Management System
SHC	Shipping Container
SIP	Sewer Inspection Pit
SMH	Sewer Manhole / Sewer Access Chamber
SS	Street Sign
SSBBMR	Single Story Brick Building Metal Roof
SSFCBMR	Single Storey Fibrous Cement Building Metal Roof
ST	Stairs or Steps
SSM	State Survey Mark
SURV	Surveyor
SV	Stop Valve
SWG	Stormwater Grate
SWP	Stormwater Pit
TB	Top of Bank
TK	Top of Kerb
TN	True North
VER	Veranda
VC	Vehicle Crossing
WM	Water Meter

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1. EXECUTIVE SUMMARY

This executive summary provides a comprehensive overview of the land survey and analysis conducted for Melrose Park Public School. The survey aimed to gather vital information about the school site and its surroundings, focusing on topographic details, site dimensions, historical context, and existing infrastructure.

The analysis encompassed various aspects:

Introduction & Background: The survey covered Melrose Park's geographical and historical context, along with the land's historical grant and transfer to the Minister of Public Instruction. It provided insights into street frontages, road conditions, pedestrian and vehicular access, buildings, outdoor areas, sports facilities, vegetation, topography, and ground height variations. Additionally, it identified electrical, communications, and drainage structures on the site.

Survey Search Results: The analysis revealed details of the Crown Grant and associated Reservations and Conditions affecting the land. No other title items were found to impede development.

Cadastral Map Search Results: The survey provided information on site dimensions and the overall area of the Melrose Park Public School property.

Topographic Survey Information Results: This section detailed survey orientation, level datum, and accuracy. It described pedestrian and vehicular access points, buildings, outdoor areas, sports facilities, vegetation, topography, ground height variations, and identified electrical, communications, and drainage structures.

Before You Dig Australia Services Search Results: The analysis identified gas, sewer, potable water, communications, and electricity services within or near the school site.

Recommendation & Conclusion: The report recommended conducting a full boundary redefinition survey if necessary for future design and planning. It also suggested undertaking a further search and non-destructive exposure of sub-surface services prior to any excavation or piercing.

In conclusion, this land survey and analysis report offer valuable insights into the Melrose Park Public School site and its surroundings, providing essential information for potential development and planning considerations.

2. INTRODUCTION & BACKGROUND

2.1. Limitations

As part of this scope the site topographic detail and level survey will complement the desktop analysis to achieve a broader understanding of the school site and immediate environs. Cadastral information for the school including boundary dimensions and areas are readily available. The survey area has been restricted to the centrelines of the adjoining roads and the outline of the buildings situated on the properties adjoining the school's northern boundary. Investigation of sub-surface services was undertaken with a certified contractor. Some service locations could not be determined at the time of investigation and are identified in this report.

3. LAND SURVEY DESKTOP ANALYSIS REVIEW

3.1. Site Information

Melrose Park is a small residential suburb on the northern side of Parramatta River at the base of the Ryde / Parramatta Golf Course, between Meadowbank and West Ryde in the east and Ermington in the west. In recent years, the geographical boundary of Melrose Park has been extended to the west to include the majority of the Ermington industrial area. The area is currently being re-developed as a high density residential and mixed-use precinct. Melrose Park Public School is situated near the southern end of the precinct.

The 2.5ha parcel of land, on which Melrose Park Public School stands, was originally part of the 335 acre Portion 64 granted to *the* Reverend Samuel Marsden on 15th of August 1803. Part of Portion 64 became the Village of Ermington. Allotments 27, 28 and 29 in the Village of Ermington was brought under the Real Property Act by Primary Application No. 29975 as land within Certificate of Title Volume 4385 Folio 68. The Memorandum of Transfer (Dealing D166676) refers to the whole of this land being transferred to the Minister of Public Instruction, on behalf of the Crown for the purpose of the Public Instruction Act 1880. The land transfer was registered on 11th of November, 1942.

The property has three street frontages, Waratah Road in the west, Mary Street in the south and Wharf Road in the east. Wharf Road is a reasonably wide “collector” road accommodating single lane two-way traffic. Residential properties adjoin the eastern side of Wharf Road, whilst other than the public school, general industrial properties adjoin the eastern side of the road. Wharf Road will, in the near future, link the development of two high residential density areas of Melrose Park, located to the north and south of the school site. Waratah and Mary Streets are low traffic volume access roads between the school and industrial areas. The three roads have a high-quality asphalt formation with kerb and guttering. Concrete pedestrian footpaths are situated along each of the roads.

In 1968, two narrow land parcels, being Lots 1 & 2 in DP 535298 each approximately 4.88 metres wide were resumed “*for the purpose of widening public roads*” under Ordinance 77 of Local Government Act, 1919 from each of the Waratah Street and Wharf Road frontages respectively. The remainder of the land, being consolidated as Lot 3 in DP 535298. The resumption of the parcels was undertaken via Dealing L404724 with the Title to Lots 1 & 2 being transferred free of encumbrances to the Council of the City of Parramatta on 16th of October, 1968.

The property is separated from Hope Street in the north by a narrow section of land occupied for General Industrial purposes. It is noted that this land is not included in the lands to be re-developed under the City of Parramatta Council “*Site-Specific Development Control Plan*”. Properties situated to the west of Waratah Street and to the south of Mary Street are also occupied for General Industrial purposes. It is noted that the latter has recently been rezoned R4 - High Density Residential.

3.2. Survey Search Results

Certificate of title Folio Identifier: 3/535298 | Edition 1 | Dated 22/02/1994 | Search Date 23/06/2023

First Schedule: Minister for Education

Second Schedule: (1 Notification)

Items affecting Lot 3 DP535298

CREATED BY	DESCRIPTION	ITEM NUMBER
Crown Grant	Reservations and Conditions	1

The origin of title for Lot 3 DP 535298, is the Crown Grant of 335 acres issued to the Reverend Samuel Marsden on 15th of August 1803, being Portion 64 in the Parish of Field of Mars County of Cumberland.

The Crown Grant (Serial No.3 Page No. 116) of Portion 64 contains the details of the Reservations and Conditions. The Reservations from the Grant are stated as “*all such parts and so much of the said Land as may be required for a Public Way or Public Ways, in ,over, and through the same..*”, together with “*..all Stone and Gravel, all Indigenous Timber, and any other Materials, the produce of the said Land, which may be required at any time or times hereafter for the construction and repair ...*” “*... which may be required at any time or times hereafter for the construction and repair of Ways and Bridges, for Navel purposes, and for Public Works, together with the right of taking and removing the same.*” and also “*all Mines of Gold and Silver and of Coals...*” And generally, the reservation of all rights of access and excavation to do so and search for.

The Conditions in the Grant relate to the annual payment of a “Quit Rent” which has since been redeemed.

There are no other items listed on title affecting the subject land. It is our opinion that the items listed on title, affecting Lot 3 as identified above, will not constitute an impediment to the design and construction of school infrastructure.

There are no other items listed on title affecting the subject land. It is our opinion that the items listed on title, affecting Lot 3 as identified above, will not constitute an impediment to the design and construction of school infrastructure.

3.3. Cadastral Map Search Results

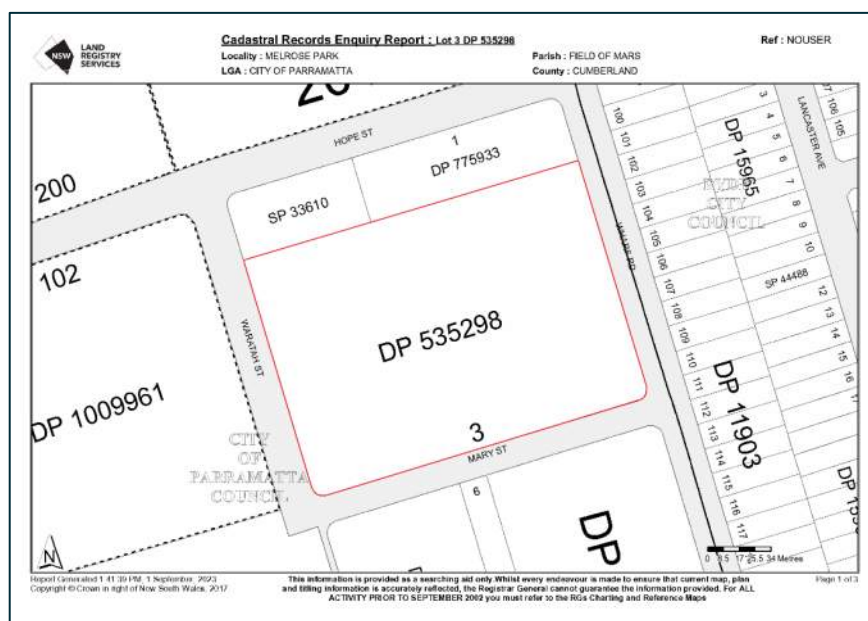


Figure 1 - Extract from Cadastral Records Enquiry

3.4. Topographic Survey Information Results

The topographic survey undertaken by SDG in September 2023 (refer Appendix A) as part of the scope has revealed the following information:

The survey is on MGA2020 orientation and AHD derived from survey coordination marks found during the survey. PM84612 and SSM59258 were adopted for the survey azimuth with coordinates obtained from SCIMS on 4th of September 2023. Orientation was checked against survey marks found from DP 1265603.

Origin of Levels is SSM59258 having RL 1.243m Australian Height Datum (AHD). The level datum was transferred to the site utilising GPS with the absolute accuracy estimated at +/- 0.05m with the site survey being undertaken to a relative accuracy of +/- 0.02m. Two durable survey recovery marks being nails placed in concrete footpaths within the Wharf Road and Waratah Street, road reserves. Survey mark details are shown in the plans (Appendix A).

Pedestrian access to the school is available from the three street frontages. The Wharf Road access is located to the south of a raised and coloured pedestrian crossing with kerbed, traffic calming "pedestrian havens" situated at each end and the middle of the crossing. A raised and coloured pedestrian crossing with kerbed, traffic calming "pedestrian havens" situated at each end, has been recently constructed across Waratah Street to the north of the pedestrian entry gate. The gated access is situated reasonably central to the Mary Street frontage, adjoins the external concrete footpath.

Two vehicular access crossings are situated in Mary Street. The eastern access adjoins the bitumen sealed school staff parking area. The western access provides for direct entry to the grassed playing fields. The latter is not paved and appears not to be for general use. A third vehicular access adjoins a concrete driveway situated along the northern side of the administration building to the gymnasium area. This access appears to also have restricted use.

The Melrose Park School site contains 13 main buildings comprising a mix of permanent brick and weatherboard classrooms as well as seven "semi-permanent", demountable buildings having various uses including learning, administration, kitchen, and clothing store. The buildings are situated generally within the eastern side of the site and are separated into two groups by a bitumen-sealed and partially shaded, play and assembly area. Each of the two groups of buildings are connected by paved and generally covered walkways. The outdoor areas around the classrooms are a mix of paved and grassed areas with sections of garden scattered throughout.

A soft-fall based playground, containing climbing and play equipment is situated at the southern end of the main, concrete based, and shaded seating area. This section of the school forms a border to the western side of the assembly ground. The eastern side is lined with a grassed area containing numerous trees and shrubs. To the north of the assembly area is the brick and corrugated metal gymnasium with a large awning roof covering a paved area on the eastern side of the gym. A straight bitumen path connects the western pedestrian entry with the eastern side of the school. An agricultural learning area is situated at the eastern end of the path which also contains two paved covered areas, a greenhouse, two steel container sheds and the main toilet block. A timber weatherboard shelter and a metal garden shed area situated to the north of the toilet block.

A large sports field dominates the western side of the school grounds. A concrete cricket pitch is central to the field together with two permanent sets of soccer / hockey goals.

The school site contains a large number of trees, varying in size, together with a variety of shrubs and gardens surround the grounds and are also scattered throughout the eastern side of the site. The site topography is gently sloping with ground heights varying from approximately 15.6m AHD at the northeastern corner of the property to RL 8.3m AHD adjacent the eastern pedestrian entry in Waratah Street. The eastern side of the property falls from north to south with a gradient of approximately 2%. The sports field slopes from east to west with gradients ranging from approximately 3.6% to 6%.

Numerous electrical, communications, and drainage structures were located during the survey and are shown in the plan. Investigation of subsurface services was undertaken by a qualified contractor to Quality Level B (AS 5488.1.2019) as part of the survey. Electricity is supplied to the site from a service pole within Mary Street. An overhead communications cable is connected across Wharf Road to the eastern end of end of the brick and weatherboard classroom building adjacent the southeastern corner of the school site. Gas service is connected to the site from Wharf Street mains to a meter situated adjacent the southeastern building to the north of the Mary Street intersection. Potable water is connected from Wharf Road to a meter adjacent the southern pedestrian access. Details of services locations area detailed in the plans (Appendix A) The following services could not be detected at the time of survey.

- Gas connection the northeastern classroom building could not be traced.
- Sewer drainage line from the demountable kitchen building could not be traced.
- Stormwater drainage from the western side of the toilet block could not be traced.
- Stormwater outlet from pit denoted SWP8 could not be determined.

Should these service locations be critical to design and construction, additional investigation will be required

Details of services obtained through BYDA indicate that service utilities available to the site include potable water, sewerage, electrical, gas and communications are included in summary form within section 3.5 of this report.

Additional survey work was undertaken on 17th November, 2023 to determine the location of the Viva Energy High Pressure Oil / Fuel underground pipeline situated within Hope and Waratah Streets and within adjacent Lot 100 DP 853170. The pipeline was identified by Viva Energy asset surveillance staff utilizing remote sensing methods. Markings sprayed on the road, carpark and footpath indicating location and relative depths to top of the pipeline. The marks were surveyed by SDG utilizing RTK GNSS methods. Viva Energy advise that the pipeline identification was undertaken to Quality Level B of AS5488.1.2019. The precision of the observed RTK GNSS measurements was generally in the range of +/- 40mm within Waratah Street (except where indicated otherwise) and +/- 60mm in Hope Street. Relative depths of the pipeline are tabulated on sheet 10 of the survey plans.

The identification markings provided by Viva Energy indicate that the pipeline is situated within the western side of the Waratah Street carriage way, adjacent and approximately 13 metres offset the western side of the school grounds. In this vicinity, the pipeline depths are indicated as ranging between 1.3m to 1.7m. The depth of pipe increases rapidly to 4.0m at the Hope Street intersection before levelling off to a depth of approximately 2m over the western section of the surveyed area. Pipeline depths vary significantly between 0.5m and 1.9m within the private property (Lot 100 DP 853170) and southern section of Waratah Street.

3.5. Before You Dig Australia Services Search Results

A Before You Dig Australia (BYDA) search (Job No 34810531) was undertaken on 10th of August 2023. The search has identified the following services as being either within or adjacent to the site.

Gas – Jemena - Plan No. 228213413

A high-pressure (1050kPa) gas main, within the western side of Wharf Road, and parallel with the school boundary is situated at an undisclosed offset from the boundary. Medium pressure (210kPa) gas mains are situated within both Wharf Road and Mary Street opposite to the school property. High pressure mains are also situated along both sides of Hope Street.

High Pressure Oil / Fuel Pipeline – Viva Energy Plan No. 228213417

Plans provided by Viva Energy indicate a high pressure oil / fuel pipeline (Gore Bay Pipeline – up to 9050kPa) in the vicinity of the school site, within the western side of Waratah Street.

Sewer – Sydney Water - Plan No. 228213416

An approximately 40m section of 150mm Ø sewer main is indicated as being situated towards the centre of Wharf Road between two maintenance access chambers located to the northeast of the site. A 225mm Ø main connects the northern of the two chambers with another chamber situated in the southeastern corner of the adjoining property (100 Wharf Road). The main continues to connect with assets further to the north of the site. A junction is shown as being directed towards the school site just north of the southern chamber in Wharf Road. The plans do not show any other sewer lines present in the vicinity of the school property.

Potable Water – Sydney Water - Plan No. 228213416

Potable water mains are indicated as being situated adjacent the property boundaries along the eastern side of Wharf Road, both sides of Mary Street to the south of the school site, and adjacent the western boundary of Waratah Street. Also indicated in the plans are a hydrant and stop value are near the south-west corner of the property, a hydrant approximately halfway along the southern boundary of the school as well as two hydrants and one stop valve shown near the southeast corner of the property.

Communications - NBN - Plan No. 228213411

NBN cables are indicated along Wharf Road near the southeast section of the school site. A service pit is shown adjacent the southeastern corner of the property and another approximately 35m to the North, from which a connection is indicated entering the eastern side of the school grounds. Cables and pits are also indicated along the southern side of Mary Street and the western side of Waratah Street.

Communications - Telstra - Plan No. 228213418

Telstra mains cables are also indicated along Wharf Road near the southeast section of the school site, apparently sharing pits with the NBN. A service pit adjacent the southeastern corner of the property and another approximately 35m to the north, from which a connection is indicated entering the eastern side of the school grounds. Mains cables continue from the pit adjacent the full frontage of Wharf Road. Cables and pits are also indicated along the southern side of Mary Street and the western side of Waratah Street. Service cables are indicated along the eastern side of Wharf Road, with an aerial connection to the property across Wharf Road from a pole adjacent the prolongation of the common boundary between No's 105 & 107.

Underground Telstra cables are also situated on the opposite side of Mary and Waratah Streets.

Communications - Optus - Plan No. 228213410

Optus cables are indicated adjacent the school's eastern property boundary along the extent of Wharf Road frontage. Service pits are indicated near the south-eastern corner of the site. The cables then cross to the southern side of Mary Street and westward in common trenching for approximately half the length of Mary Street.

Communications - TPG - Plan No. 228213419

The TPG plans indicate TPG cables within the western half of Mary Street adjacent the southern street boundary.

Electricity – Ausgrid - Plan No. 228213412

Ausgrid plans indicate an underground electricity service adjacent the eastern half of the southern Mary Street property boundary. No Ausgrid underground electricity cables are shown in close proximity to the school grounds.

Electricity – Endeavour Energy No. 228213412

Plans provided by Endeavour Energy indicate a connection to the school grounds from a pole situated within the northern side of Mary Street, approximately 30 metres west of the south-eastern corner of the school site. The plans also indicate an underground electricity service adjacent the eastern half of the southern Mary Street property boundary.

Stormwater – City of Ryde Council Plan No. 228213415

BYDA plans obtained from City of Ryde Council indicate a street stormwater drainage system within the eastern side of Wharf Road, opposite the south-east section of the property.

4. RECOMMENDATION & CONCLUSION

Survey of the property boundaries has been determined from original survey marks found as placed during surveys of the surrounding area. No original survey marks were found from the survey of DP 535298 (Title diagram), undertaken in 1962. The survey disclosed a relatively small scalar difference in boundary dimensions with that shown in the plan. Both the Title and surveyed boundary distances have been shown on the detail survey. It is our recommendation that should boundary location be critical to future design and planning, that a full boundary redefinition survey be undertaken.

Numerous service structures were found within the school site, and investigation of sub-surface infrastructure was undertaken. Difficulties with detection of services has been disclosed in the above report. It is recommended that further investigation should be undertaken in those deficient areas if critical to design and construction.

5. SUPPLIED SITE DOCUMENTATION

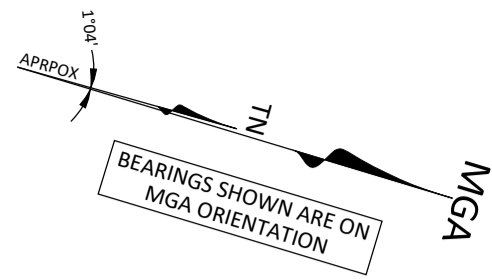
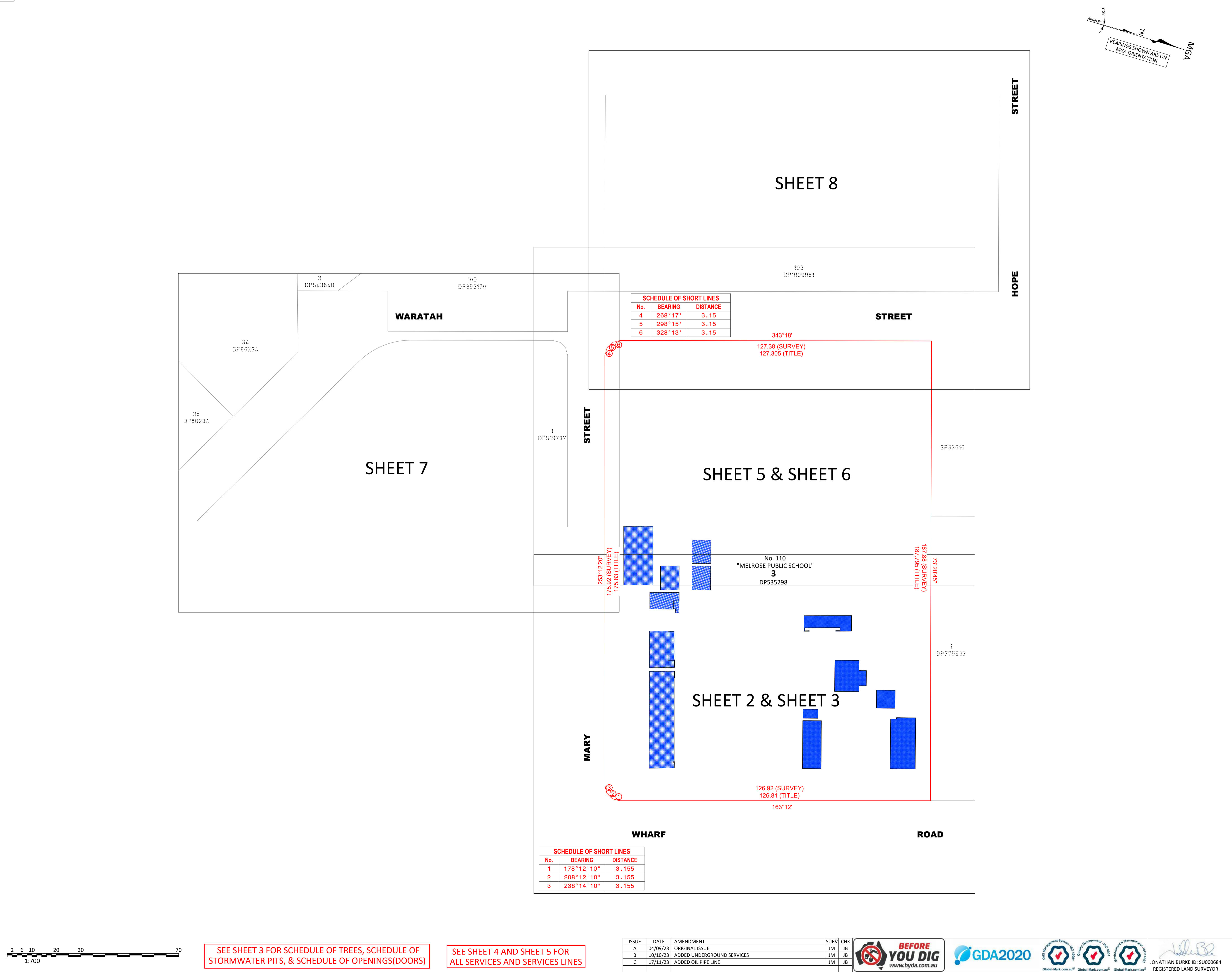
- Short Form Work Order
- A – DD – Surveyor – Services V1.5
- B – Site Location

6. REFERENCES

See overpage for Appendices

APPENDIX A – TOPOGRAPHIC DETAIL & LEVEL SURVEY PLANS

See overpage



GENERAL NOTES

ONLY TREES GREATER THAN 3.5 METRES IN HEIGHT ARE SHOWN ON THIS PLAN AND THEIR POSITIONS ARE DIAGRAMMATIC ONLY AND MAY REQUIRE ADDITIONAL SURVEY WHERE CRITICAL TO DESIGN.

CONTOURS ARE INDICATIVE AT GROUND FORM ONLY. SPOT LEVELS ONLY SHOULD BE USED FOR CALCULATIONS OF QUANTITIES WITH CAUTION.

LEVELS ARE ON AUSTRALIAN HEIGHT DATUM (AHD).

ALL SETOUT LEVELS MUST BE REFERRED TO THE BENCH MARK SHOWN ON THIS PLAN.

BOUNDARY NOTES

A BASIC BOUNDARY SURVEY HAS BEEN DONE SUITABLE FOR DA LODGEMENT PURPOSES.

BOUNDARIES HAVE NOT BEEN MARKED.

SURVEY INFORMATION NOTES

THE ORIGIN OF COORDINATES COMES FROM PM84612 E321605.618 N6256846.809 CLASS C POSITIONAL UNCERTAINTY (PU) N/A (MGA2020) ADOPTED FROM SCIMS DATED 04/09/2023.

THE ORIGIN OF LEVELS COMES FROM SSM59258 RL1.243 CLASS L8 POSITIONAL UNCERTAINTY (PU) N/A ADOPTED FROM SCIMS DATED 04/09/2023.

THE ORIENTATION OF THIS PLAN IS MGA NORTH WHICH HAS BEEN DETERMINED BY A COORDINATE JOIN BETWEEN PM84612 AND SSM59258.

CERTIFICATE OF TITLE NOTES

THE FOLLOWING INFORMATION RELATES TO THE RESPECTIVE CERTIFICATE OF TITLE OF EACH LOTS:

- LOT 3 IN DP535298
(CT EDITION 1 DATED 22/02/1994 SEARCH DATE 10/08/2023)
- THERE ARE NO NOTATIONS ON THE CERTIFICATE OF TITLE

COVENANTS AND RESTRICTIONS NOTED ON THE TITLE HAVE NOT BEEN INVESTIGATED. THESE SHOULD BE INVESTIGATED PRIOR TO DESIGN TO ENSURE ANY FUTURE DEVELOPMENT COMPLIES.

SERVICES NOTES

ONLY THOSE SERVICES VISIBLE AT THE TIME OF SURVEY HAVE BEEN LOCATED AND ARE QUALITY LEVEL A AS DEFINED BY AS 5488.1:2019.

UNDERGROUND SERVICES HAVE BEEN LOCATED BY ONPOINT LOCATION SERVICES, ARE QUALITY LEVEL B AS DEFINED BY AS 5488.1:2019 AND ARE CURRENT AT THE DATE OF SURVEY.

ALL RELEVANT AUTHORITIES MUST BE CONTACTED TO DETERMINE THE FULL EXTENT OF SERVICES PRIOR TO ANY PLANNING OR WORKS NEAR THE SITE.

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PROJECT:

DETAIL AND LEVEL SURVEY OF
LOT 3 IN DP535298

110 WHARF ROAD
MELROSE PARK

CLIENT: NSW DEPARTMENT OF EDUCATION

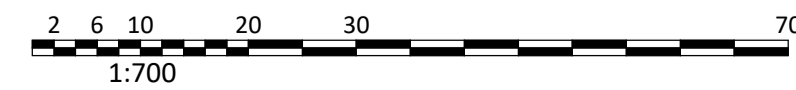
FILE: 8942-110 Wharf Road Melrose Park-REVB

LGA: CITY OF PARRAMATTA

REF: 8942	CONTOURS: 0.5m
ISSUE: C	DATUM: AHD
SURVEY DATE: 17/11/2023	AZIMUTH: MGA2020
SCALE: 1:700	SHEET 1 OF 10 SHEETS



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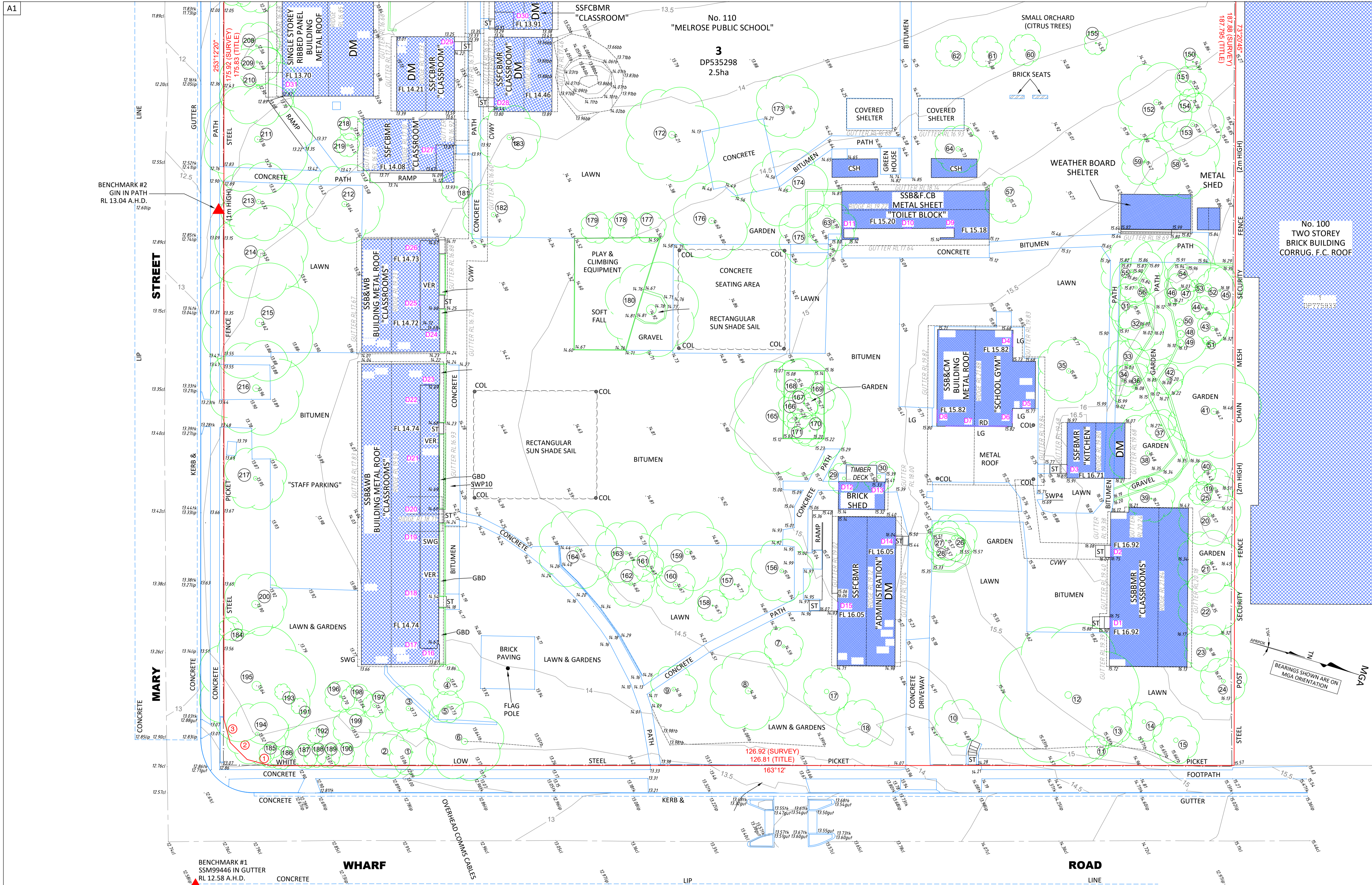
SEE SHEET 3 FOR SCHEDULE OF TREES, SCHEDULE OF STORMWATER PITS, & SCHEDULE OF OPENINGS(DOORS)

SEE SHEET 4 AND SHEET 5 FOR ALL SERVICES AND SERVICES LINES

ISSUE	DATE	AMENDMENT	SURV	CHK
A	04/09/23	ORIGINAL ISSUE	JM	JB
B	10/10/23	ADDED UNDERGROUND SERVICES	JM	JB
C	17/11/23	ADDED OIL PIPE LINE	JM	JB



JONATHAN BURKE ID: SU000684
REGISTERED LAND SURVEYOR



GENERAL NOTES	
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- LOT 3 IN DP535298 (CT EDITION 1 DATED 22/02/1994 SEARCH DATE 10/08/2023) - THERE ARE NO NOTATIONS ON THE CERTIFICATE OF TITLE	
SERVICES NOTES	
ONLY THOSE SERVICES VISIBLE AT THE TIME OF SURVEY HAVE BEEN LOCATED AND ARE QUALITY LEVEL A AS DEFINED BY AS 5486.1:2019.	
UNDERGROUND SERVICES HAVE BEEN LOCATED BY ONPOINT LOCATION SERVICES, ARE QUALITY LEVEL B AS DEFINED BY AS 5488.1:2019 AND ARE CURRENT AT THE DATE OF SURVEY.	
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LEGEND	
TAG	DESCRIPTION
B	BOLLARD
BB	BOTTOM OF BANK
BT	BOUNDARY TRAP (SEWER VENT)
SC	SHIPPING CONTAINER
CL	CENTERLINE OF ROAD
COL	COLUMN
COM	COMMUNICATIONS PIT
CSH	CONTAINER SHED
CWY	COVERED WALKWAY
DM	DEMOUNTABLE
ELP	ELECTRICITY PILLAR
EP	ELECTRICITY PIT
GAS	GAS MARKER/LID
GDB	GARDEN BED
GR	GRATE
GUT	GUTTER OF KERB
HYD	HYDRANT
KO	KERB OUTLET (STORMWATER)
LG	LINEAR DRAINAGE GRATE
LIP	LIP OF KERB
LP	LIGHT POLE
OHSC	OVERHEAD SERVICE CABLES
PC	PEDESTRIAN CROSSING
PP	POWER POLE
RD	ROLLER DOOR
SBF	STEEL BARRIER FENCE
SPS	SEWER PUMPING STATION
SIP	SEWER INSPECTION PIT
SMH	SEWER MANHOLE
SS	STREET SIGN
SSBMR	SINGLE STOREY BRICK BUILDING METAL ROOF
SSBWB	SINGLE STOREY BRICK AND WEATHER BOARD
SSBACM	SINGLE STOREY BRICK AND CORRUGATED METAL
SSBAF.CB	SINGLE STOREY BRICK AND F.C. BUILDING
SSFCBMR	SINGLE STOREY F.C. BUILDING METAL ROOF
ST	STAIRS OR STEPS
SV	STOP VALVE
SWG	STORMWATER GRATE
SWP	STORMWATER PIT
TB	TOP OF BANK
TK	TOP OF KERB
VER	VERANDA
VC	VEHICLE CROSSING
WM	WATER METER
F.C.	FIBROUS-CEMENT

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PROJECT:

DETAIL AND LEVEL SURVEY OF
LOT 3 IN DP535298

110 WHARF ROAD
MELROSE PARK

CLIENT: NSW DEPARTMENT OF EDUCATION
FILE: 8942-110 Wharf Road Melrose Park-REV8

LGA: CITY OF PARRAMATTA

REF: 8942

ISSUE: C

SURVEY DATE: 17/11/2023

SCALE: 1:250

SHEET 2 OF 10 SHEETS

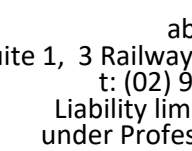
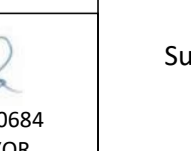
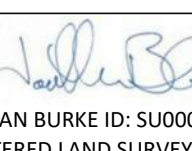
SCHEDULE OF BENCHMARKS			
No.	EASTING	NORTHING	RL (AHD)
1	321674.225	6256666.297	12.58
2	321588.245	6256643.544	13.04
3	321439.116	6256735.904	9.94

SCHEDULE OF SHORT LINES		
No.	BEARING	DISTANCE
1	178°12'10"	3.155
2	208°12'10"	3.155
3	238°14'10"	3.155

SEE SHEET 3 FOR SCHEDULE OF TREES, SCHEDULE OF
STORMWATER PITS, & SCHEDULE OF OPENINGS(DOORS)

SEE SHEET 4 AND SHEET 5 FOR
ALL SERVICES AND SERVICES LINES

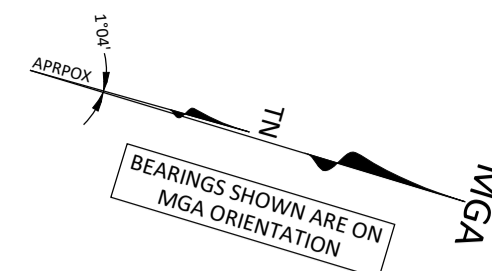
ISSUE	DATE	AMENDMENT	SURV	CHK
A	04/09/23	ORIGINAL ISSUE	JM	JB
B	10/10/23	ADDED UNDERGROUND SERVICES	JM	JB
C	17/11/23	ADDED OIL PIPE LINE	JM	JB



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abn 85 213 523 621
Suite 1, 3 Railway Street, Baulkham Hills NSW 2153
t: (02) 9630 7955 w: sdg.net.au
Liability limited by a scheme approved under Professional Standards Legislation

JONATHAN BURKE ID: SU000684
REGISTERED LAND SURVEYOR

SCHEDULE OF SHORT LINES		
No.	BEARING	DISTANCE
4	268°17'	3.15
5	298°15'	3.15
6	328°13'	3.15

102
DP1009961

GENERAL NOTES

ONLY TREES GREATER THAN 3.5 METRES IN HEIGHT ARE SHOWN ON THIS PLAN AND THEIR POSITIONS ARE DIAGRAMMATIC ONLY AND MAY REQUIRE ADDITIONAL SURVEY WHERE CRITICAL TO DESIGN.

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THE ORIGIN OF LEVELS COMES FROM SSM59258 RL1.243 CLASS LB POSITIONAL UNCERTAINTY (PU) N/A ADOPTED FROM SCIMS DATED 04/09/2023.

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COL	COLUMN
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DETAIL AND LEVEL SURVEY OF
LOT 3 IN DP535298

110 WHARF ROAD
MELROSE PARK

CLIENT: NSW DEPARTMENT OF EDUCATION
FILE: 8942-110 Wharf Road Melrose Park-REV B

LGA: CITY OF PARRAMATTA	
REF: 8942	CONTOURS: 0.5m
ISSUE: C	DATUM: AHD
SURVEY DATE: 17/11/2023	AZIMUTH: MGA2020
SCALE: 1:250	SHEET 3 OF 10 SHEETS



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No. 8
THREE STOREY
BRICK & CONCRETE
BUILDING
METAL ROOF

187.786 (TITLE)

CONCRETE CRICKET PITCH

No. 110
"MELROSE PUBLIC SCHOOL"

3
DP535298
2.5ha

ISSUE	DATE	AMENDMENT	SURV	CHK
A	04/09/23	ORIGINAL ISSUE	JM	JB
B	10/10/23	ADDED UNDERGROUND SERVICES	JM	JB
C	17/11/23	ADDED OIL PIPE LINE	JM	JB



JONATHAN BURKE ID: SU000684
REGISTERED LAND SURVEYOR



SEE SHEET 3 FOR SCHEDULE OF TREES, SCHEDULE OF
STORMWATER PITS, & SCHEDULE OF OPENINGS(DOORS)

SEE SHEET 4 AND SHEET 5 FOR
ALL SERVICES AND SERVICES LINES

Schedule of Trees			
No	Diam	Spread	Height
1	0.2	6	8
2	0.2	6	8
3	0.6	6	10
4	0.5	4	6
5	0.3	4	6
6	0.8	10	25
7	0.4	5	6
8	0.8	10	25
9	0.5	6	8
10	0.2	6	6
11	0.1	3	4
12	0.9	18	30
13	0.3	5	30
14	0.5	5	30
15	0.6	6	16
17	0.6	6	8
18	0.4	6	6
19	0.3	5	6
20	0.5	8	15
21	0.7	8	15
22	0.5	8	15
23	0.3	6	15
24	0.5	6	15
25	0.1	3	6
26	0.5	6	8
27	0.2	5	8
28	0.2	5	6
29	0.4	4	8
30	0.4	4	8
31	0.3	6	15
32	0.4	6	10
33	0.4	6	10
34	0.3	4	6
35	0.6	8	15
36	0.4	6	8
37	0.2	4	6
38	0.6	10	20
39	0.2	6	10
40	0.2	3	15
41	0.8	12	30
42	0.3	4	8
43	0.6	4	15
44	0.2	3	10
45	0.3	6	12
46	0.8	16	30
47	0.3	4	6
48	0.1	1	2
49	0.1	1	2
50	0.1	1	2
51	0.1	1	2
52	0.1	1	2
53	0.1	1	2
54	0.3	6	6
55	0.4	8	15
56	0.4	4	6
57	0.5	6	10
58	0.4	10	20
59	0.3	6	6
60	0.2	4	5
61	0.2	4	5
62	0.2	4	5
63	0.4	6	6
64	0.6	6	8
65	0.5	10	20
66	0.3	6	10
67	0.3	5	6
68	0.3	4	12
69	0.4	6	12

Schedule of Trees			
No	Diam	Spread	Height
70	0.6	8	25
71	0.2	5	6
72	0.5	6	12
73	0.3	4	6
74	0.4	6	12
75	0.5	6	12
76	0.6	6	12
77	0.4	6	15
78	0.3	6	8
79	0.2	4	8
80	0.3	8	20
81	0.2	6	20
82	0.2	6	20
83	0.4	6	12
84	0.2	3	4
85	0.2	4	6
86	0.7	12	30
87	0.4	4	6
88	0.2	4	5
89	0.1	2	2
90	0.1	2	2
91	0.9	12	35
92	0.2	5	6
93	1	12	30
94	0.3	6	10
95	0.3	4	10
96	0.3	4	10
97	0.3	5	10
98	0.4	6	8
99	0.4	6	8
100	0.4	6	8
101	0.2	4	6
102	0.2	4	8
103	0.1	3	3
104	0.1	3	4
105	0.3	5	20
106	0.1	3	7
107	0.2	4	6
108	0.1	3	8
109	0.4	8	15
110	0.5	10	25
111	0.3	5	8
112	0.1	1	12
113	0.4	8	25
114	0.1	3	8
115	0.3	6	10
116	0.2	4	15
117	0.5	8	25
118	0.5	8	15
119	0.3	5	15
120	0.4	6	15

Schedule of Trees			
No	Diam	Spread	Height
121	0.4	8	15
122	0.5	10	25
123	0.5	10	25
124	0.4	6	10
125	0.3	3	6
126	0.6	10	20
127	0.1	2	4
128	0.1	4	6
129	0.6	8	20
130	0.7	8	15
131	0.7	8	20
132	0.4	8	25
133	0.5	6	20
134	0.3	8	12
135	0.3	4	25
136	0.4	6	20
137	0.1	4	6
138	0.4	6	15
139	0.4	6	10
140	0.6	10	25
141	0.3	6	25
142	0.3	6	25
143	0.4	8	25
144	0.6	4	6
145	0.2	4	6
146	0.5	6	8
147	0.7	10	25
148	0.3	4	6
149	0.3	6	6
150	0.2	2	4
151	0.3	4	8
152	0.7	10	15
153	0.5	8	15
154	0.1	3	4
155	0.2	3	5
156	0.5	8	10
157	0.2	4	8
158	0.2	4	6
159	0.8	10	20
160	0.6	5	6
161	0.2	4	4
162	0.5	6	8
163	0.4	8	20
164	0.5	10	18
165	1.3	15	30
166	0.3	5	10
167	0.2	4	6
168	0.2	5	5
169	0.2	4	6
170	0.2	4	4

Schedule of Trees			
No	Diam	Spread	Height
171	0.2	4	4
172	0.9	12	25
173	0.4	8	12
174	0.8	10	12
175	0.5	8	15
176	0.8	10	20
177	0.2	4	4
178	0.2	4	4
179	0.2	4	4
180	1.3	12	30
181	0.3	4	6
182	0.6	8	10
183	0.6	8	20
184	0.1	3	2
185	0.1	3	2
186	0.1	3	2
187	0.1	3	3
188	0.1	3	3
189	0.1	3	3
190	0.1	3	3
191	0.1	2	5
192	0.1	2	5
193	0.1	2	5
194	0.5	8	10
195	1.2	15	30
196	0.3	4	5
197	0.5	3	12
198	0.2	4	8
199	0.3	5	6
200	1	8	10
201	0.3	6	10
202	0.2	4	8
203	0.7	10	20
204	0.3	6	6
205	0.5	10	20
206	0.3	6	8
207	0.3	6	6
208	0.3	6	10
209	0.3	6	10
210	0.5	10	12
211	0.8	14	10
212	0.7	10	10
213	0.6	10	10
214	1	12	25
215	1.1	15	25
216	0.9	12	25
217	0.5	8	12
218	0.3	3	4
219	0.3	3	4

Schedule of Stormwater Pits			
No	Grate RL	Invert RL	Comment
1	14.65	13.89	90 PIPE
2	15.22	14.36	225 PIPE
3	15.64	14.77	225 PIPE
4	15.71	15.19	225 PIPE
5	15.65	14.98	150 PIPE
6	15.07	14.71	225 PIPE
7	15.08	N/A	SEALED
8	14.18	13.68	
9	14.32	13.99	
10	14.10	13.88	
11	7.94	7.24	450 PIPE
12	9.12	8.62	450 PIPE
13	10.46	N/A	
14	11.98	11.69	90 PIPE
15	7.90	7.00	450 PIPE

Door (Opening) Schedule		
#	Head	Bottom
D1	19.12	16.91
D2	19.11	16.92
D3	18.74	16.73
D4	17.93	15.82
D5	17.96	15.81
D6	17.92	15.87
D7	18.81	15.83
D8	17.93	15.83
D9	17.34	15.20
D10	17.31	15.22
D11	17.32	15.21
D12	17.50	15.39
D13	17.50	15.39
D14	17.34	16.06
D15	18.08	16.09
D16	16.79	14.74
D17	16.77	14.74
D18	16.81	14.73
D19	16.81	14.73
D20	16.77	14.73
D21	16.82	14.74
D22	16.81	14.74
D23	16.81	14.74
D24	16.82	14.71
D25	16.82	14.72
D26	16.82	14.72
D27	16.17	14.08
D28	16.52	14.46
D29	16.27	14.23
D30	15.96	13.92
D31	15.78	13.70
D32	15.79	13.72

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LOT 3 IN DP535298

110 WHARF ROAD
MELROSE PARK

CLIENT: NSW DEPARTMENT OF EDUCATION
FILE: 8942-110 Wharf Road Melrose Park-REVB

LGA: CITY OF PARRAMATTA	
REF: 8942	CONTOURS: 0.5m
ISSUE: C	DATUM: AHD
SURVEY DATE: 17/11/2023	AZIMUTH: MGA2020
SCALE: 1:250	SHEET 4 OF 10 SHEETS



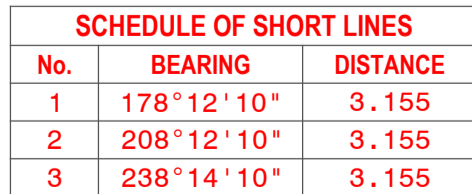
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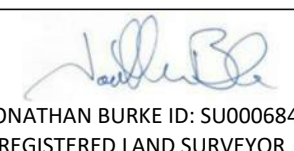
ISSUE	DATE	AMENDMENT	SURV	CHK
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JONATHAN BURKE ID: SU000684
REGISTERED LAND SURVEYOR



ISSUE	DATE	AMENDMENT
A	04/09/23	ORIGINAL ISSUE
B	10/10/23	ADDED UNDERGROUND SERVICES
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THE ORIGIN OF LEVELS COMES FROM SSM59258 RL1-243 CLASS LB POSITIONAL UNCERTAINTY (PU) N/A ADOPTED FROM SCIMS DATED 04/09/2023.

THE ORIENTATION OF THIS PLAN IS MGA NORTH WHICH HAS BEEN DETERMINED BY A COORDINATE JOIN BETWEEN PM84612 AND SSM59258.

CERTIFICATE OF TITLE NOTES

THE FOLLOWING INFORMATION RELATES TO THE RESPECTIVE CERTIFICATE OF TITLE FOR EACH LOT:

- LOT 3 IN DP535298
(CT EDITION 1 DATED 22/02/1994 SEARCH DATE 10/08/2023)
- THERE ARE NO NOTATIONS ON THE CERTIFICATE OF TITLE

COVENANTS AND RESTRICTIONS NOTED ON THE TITLE HAVE NOT BEEN INVESTIGATED. THESE SHOULD BE INVESTIGATED PRIOR TO DESIGN TO ENSURE ANY FUTURE DEVELOPMENT COMPLIES.

SERVICES NOTES

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LEGEND

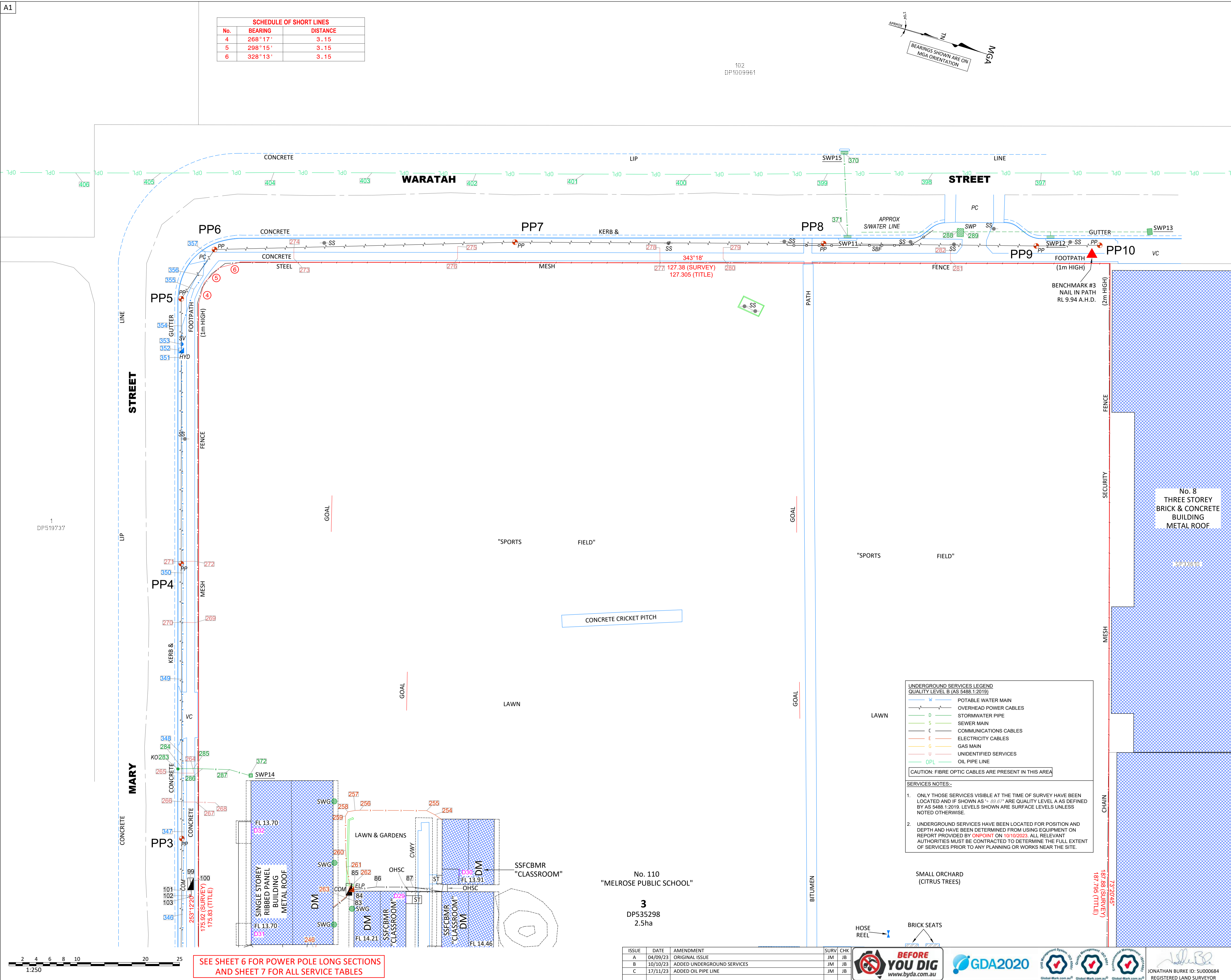
TAG	DESCRIPTION
B	BOLLARD
BB	BOTTOM OF BANK
BT	BOUNDARY TRAP (SEWER VENT)
SHC	SHIPPING CONTAINER
CL	CENTERLINE OF ROAD
COL	COLUMN
CM	COMMUNICATIONS PIT
CSH	CONTAINER SHED
CHWY	COVERED WALKWAY
DM	DEMOUNTABLE
ELP	ELECTRICITY PILLAR
EP	ELECTRICITY PIT
QAS	QAS MARKER/LID
QGB	GARDEN BED
GR	GRATE
GUT	GUTTER OF KERB
KD	KYDRANT
HO	KERO OUTLET (STORMWATER)
LG	LINEAR DRAINAGE GRATE
LIP	LIP OF KERB
LP	LIGHT POLE
OWSC	OVERHEAD SERVICE CABLES
PC	PEDESTAL CROSSING
PP	POWER POLE
RD	ROLLER DOOR
SBBF	STEEL BARRIER FENCE
SPS	SEWER PUMPING STATION
SIS	SEWER INSPECTION PIT
SMH	SEWER MANHOLE
SS	STREET SIGN
SSBBMR	SINGLE STOREY BRICK BUILDING METAL ROOF
SSBWB	SINGLE STOREY BRICK AND WEATHER BOARD
SSBWC	SINGLE STOREY BRICK AND CORRUGATED METAL
SSBSCB	SINGLE STOREY BRICK AND F.C. BUILDING
SSBMBR	SINGLE STOREY F.C. BUILDING METAL ROOF
ST	STAIRS OR STEPS
SV	STOP VALVE
SW	STORMWATER GRATE
SWP	STORMWATER PIT
TB	TOP OF BANK
TK	TOP OF KERB
VER	VERANDA
VC	VEHICLE CROSSING
WM	WATER METER
F.C.	FIBROUS CEMENT

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LGA: CITY OF PARRAMATTA	
REF: 8942	CONTOURS: 0.5m
ISSUE: C	DATUM: AHD
SURVEY DATE: 17/11/2023	AZIMUTH: MGA2020
SCALE: 1:250	SHEET 5 OF 10 SHEETS



SCHEDULE OF SHORT LINES		
No.	BEARING	DISTANCE
4	268°17'	3.15
5	298°15'	3.15
6	328°13'	3.15



GENERAL NOTES

ONLY TREES GREATER THAN 3.5 METRES IN HEIGHT ARE SHOWN ON THIS PLAN AND THEIR POSITIONS ARE DIAGRAMMATIC ONLY AND MAY REQUIRE ADDITIONAL SURVEY WHERE CRITICAL TO DESIGN.

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LEVELS ARE ON AUSTRALIAN HEIGHT DATUM (AHD).

ALL SETOUT LEVELS MUST BE REFERRED TO THE BENCH MARK SHOWN ON THIS PLAN.

BOUNDARY NOTES

A BASIC BOUNDARY SURVEY HAS BEEN DONE SUITABLE FOR DA LODGEMENT PURPOSES.

BOUNDARIES HAVE NOT BEEN MARKED.

SURVEY INFORMATION NOTES

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- LOT 3 IN DP535298
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LEGEND

TAG	DESCRIPTION
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BB	BOTTOM OF BANK
BT	BOUNDARY TRAP (SEWER VENT)
SHC	SHIPPING CONTAINER
CL	CENTERLINE OF ROAD
COL	COLUMN
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CSH	CONTAINER SHED
CWY	COVERED WALKWAY
DM	DEMOUNTABLE
ELP	ELECTRICITY PILLAR
EP	ELECTRICITY PIT
GAS	GAS MARKER/LID
GDB	GARDEN BED
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HYD	HYDRANT
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LG	LINEAR DRAINAGE GRATE
LIP	LIP OF KERB
LP	LIGHT POLE
OHSC	OVERHEAD SERVICE CABLES
PC	PEDESTRIAN CROSSING
PP	POWER POLE
RD	ROLLER DOOR
SBF	STEEL BARRIER FENCE
SPS	SEWER PUMPING STATION
STP	SEWER INSPECTION PIT
SMH	SEWER MANHOLE
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SSBWB	SINGLE STOREY BRICK AND WEATHER BOARD
SSBACM	SINGLE STOREY BRICK AND CORRUGATED METAL
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SSFCBMR	SINGLE STOREY F.C. BUILDING METAL ROOF
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VER	VERANDA
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PROJECT:

DETAIL AND LEVEL SURVEY OF
LOT 3 IN DP535298

110 WHARF ROAD
MELROSE PARK

CLIENT: NSW DEPARTMENT OF EDUCATION
FILE: 8942-110 Wharf Road Melrose Park-REV B

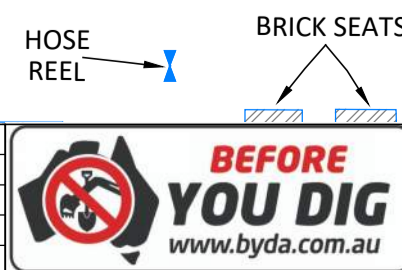
LGA: CITY OF PARRAMATTA
REF: 8942
ISSUE: C
SURVEY DATE: 17/11/2023
SCALE: 1:250

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abn 85 213 523 621
Suite 1, 3 Railway Street, Baulkham Hills NSW 2153
t: (02) 9630 7955 w: sdg.net.au
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No. 110
"MELROSE PUBLIC SCHOOL"

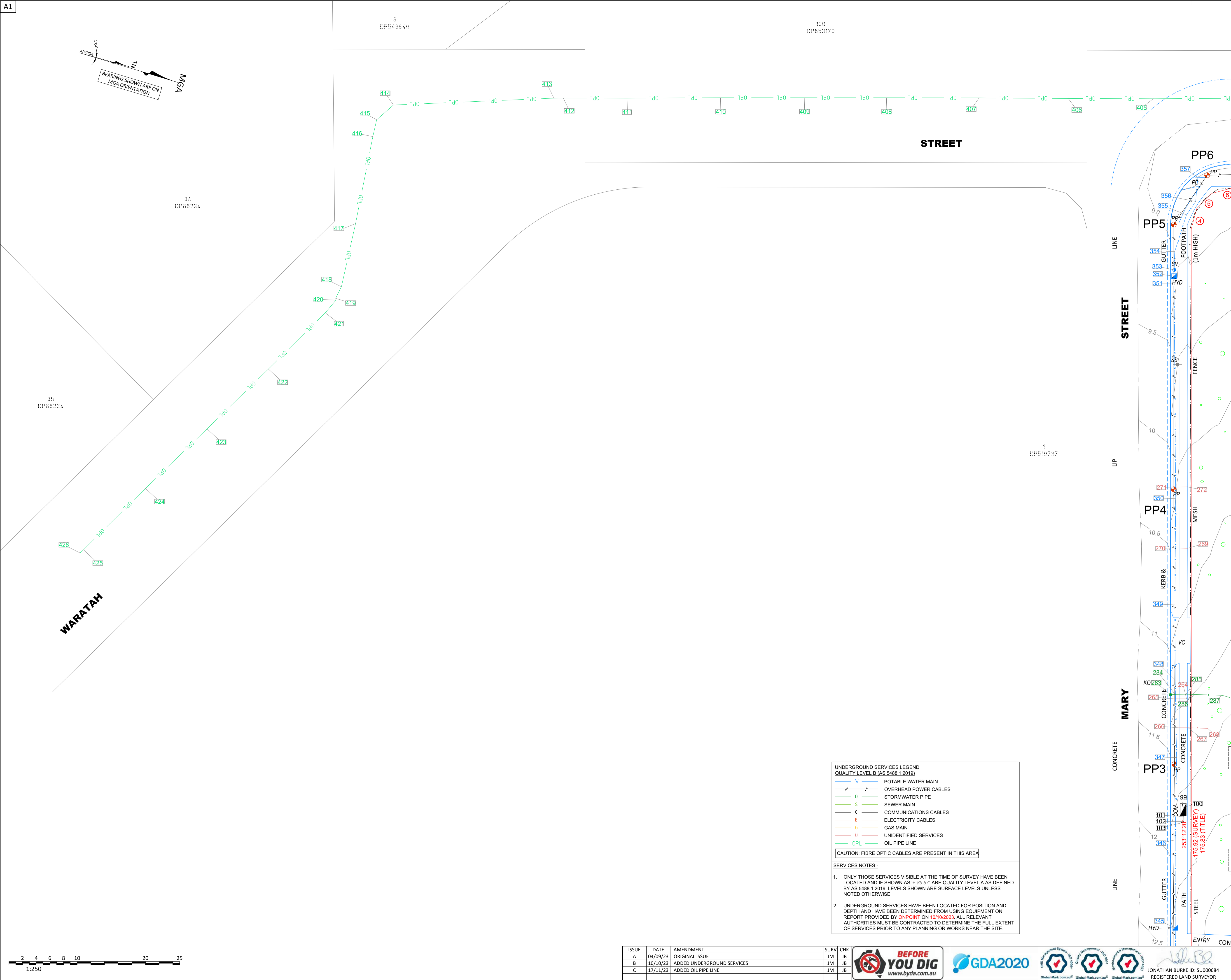
3
DP535298
2.5ha

ISSUE	DATE	AMENDMENT	SURV	CHK
A	04/09/23	ORIGINAL ISSUE	JM	JB
B	10/10/23	ADDED UNDERGROUND SERVICES	JM	JB
C	17/11/23	ADDED OIL PIPE LINE	JM	JB



JONATHAN BURKE ID: SU000684
REGISTERED LAND SURVEYOR

A1



GENERAL NOTES

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PROJECT:

DETAIL AND LEVEL SURVEY OF LOT 3 IN DP535298

110 WHARF ROAD
MELROSE PARK

CLIENT: NSW DEPARTMENT OF EDUCATION

FILE: 8942-110 Wharf Road Melrose Park-REVB

LGA: CITY OF PARRAMATTA

REF: 8942	CONTOURS: 0.5m
ISSUE: C	DATUM: AHD
SURVEY DATE: 17/11/2023	AZIMUTH: MGA2020
SCALE: 1:250	SHEET 7 OF 10 SHEETS

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ISSUE	DATE	AMENDMENT	SURV	CHK
A	04/09/23	ORIGINAL ISSUE	JM	JB
B	10/10/23	ADDED UNDERGROUND SERVICES	JM	JB
C	17/11/23	ADDED OIL PIPE LINE	JM	JB



JONATHAN BURKE ID: SU000684
REGISTERED LAND SURVEYOR

UNDERGROUND SERVICES LEGEND
QUALITY LEVEL B (AS 5488.1:2019)

W

POTABLE WATER MAIN

OVERHEAD POWER CABLES

D

STORMWATER PIPE

S

SEWER MAIN

C

COMMUNICATIONS CABLES

E

ELECTRICITY CABLES

G

GAS MAIN

U

UNIDENTIFIED SERVICES

OPL

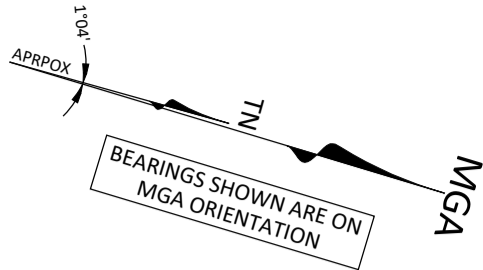
OIL PIPE LINE

CAUTION: FIBRE OPTIC CABLES ARE PRESENT IN THIS AREA

SERVICES NOTES:

1. ONLY THOSE SERVICES VISIBLE AT THE TIME OF SURVEY HAVE BEEN LOCATED AND IF SHOWN AS " " ARE QUALITY LEVEL A AS DEFINED BY AS 5488.1:2019. LEVELS SHOWN ARE SURFACE LEVELS UNLESS NOTED OTHERWISE.

2. UNDERGROUND SERVICES HAVE BEEN LOCATED FOR POSITION AND DEPTH AND HAVE BEEN DETERMINED FROM USING EQUIPMENT ON REPORT PROVIDED BY ONPOINT ON 10/10/2023. ALL RELEVANT AUTHORITIES MUST BE CONTRACTED TO DETERMINE THE FULL EXTENT OF SERVICES PRIOR TO ANY PLANNING OR WORKS NEAR THE SITE.

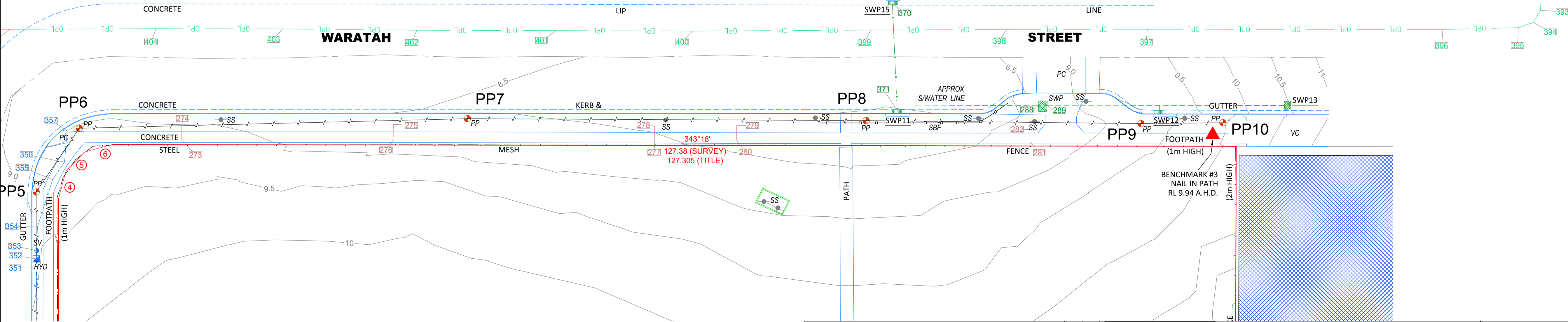


STREET

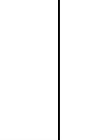
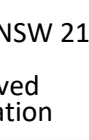
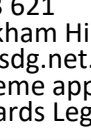
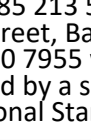
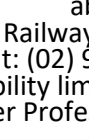
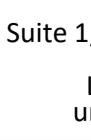
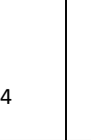
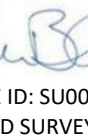
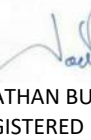
HOPE

SCHEDULE OF SHORT LINES		
No.	BEARING	DISTANCE
4	268°17'	3.15
5	298°15'	3.15
6	328°13'	3.15

102
DP1009961



ISSUE	DATE	AMENDMENT	SURV	CHK
A	04/09/23	ORIGINAL ISSUE	JM	JB
B	10/10/23	ADDED UNDERGROUND SERVICES	JM	JB
C	17/11/23	ADDED OIL PIPE LINE	JM	JB



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PROJECT:
DETAIL AND LEVEL SURVEY OF
LOT 3 IN DP535298

110 WHARF ROAD
MELROSE PARK

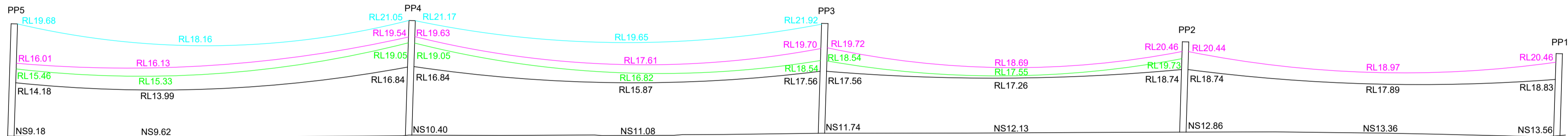
CLIENT: NSW DEPARTMENT OF EDUCATION
FILE: 8942-110 Wharf Road Melrose Park-REV8

LGA: CITY OF PARRAMATTA	
REF: 8942	CONTOURS: 0.5m
ISSUE: C	DATUM: AHD
SURVEY DATE: 17/11/2023	AZIMUTH: MGA2020
SCALE: 1:250	SHEET 8 OF 10 SHEETS

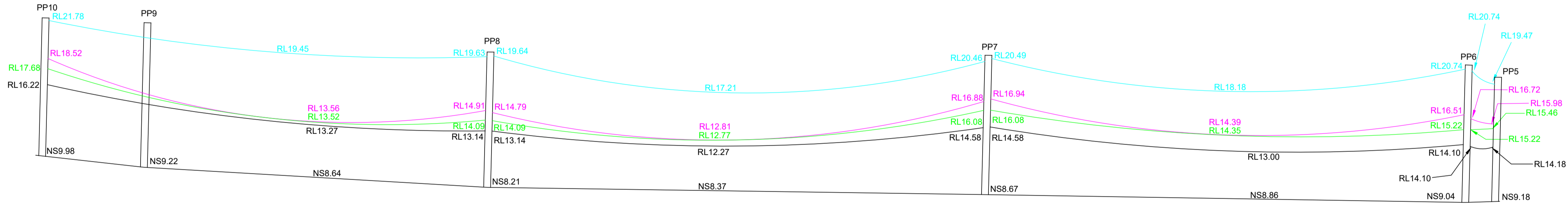


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MARY STREET OVERHEAD POWERLINES
LONG SECTION
(POWER POLE - POWER POLE)
NOT TO SCALE



WARATAH STREET OVERHEAD POWERLINES
LONG SECTION
(POWER POLE - POWER POLE)
NOT TO SCALE



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PROJECT:
DETAIL AND LEVEL SURVEY OF
LOT 3 IN DP535298

110 WHARF ROAD
MELROSE PARK

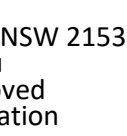
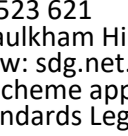
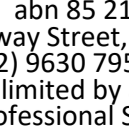
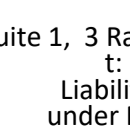
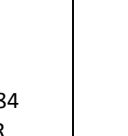
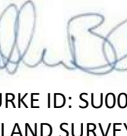
CLIENT: NSW DEPARTMENT OF EDUCATION
FILE: 8942-110 Wharf Road Melrose Park-REVB

LGA: CITY OF PARRAMATTA	
REF: 8942	CONTOURS: 0.5m
ISSUE: C	DATUM: AHD
SURVEY DATE: 17/11/2023	AZIMUTH: MGA2020
SCALE: NOT TO SCALE	SHEET 9 OF 10 SHEETS



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ISSUE	DATE	AMENDMENT	SURV	CHK
A	04/09/23	ORIGINAL ISSUE	JM	JB
B	10/10/23	ADDED UNDERGROUND SERVICES	JM	JB
C	17/11/23	ADDED OIL PIPE LINE	JM	JB



SERVICES-COMMUNICATIONS					
No	Surface RL	Approx Depth	Service RL	Quality	Comments
1	12.83	0.35	12.48	B	O&T
2	12.90	0.45	12.45	B	O&T
3	12.89	0.40	12.49	B	O&T
4	12.96	0.50	12.46	B	O&T
5	13.03	0.50	12.53	B	O&T
6	13.15	0.60	12.55	B	O&T
7	13.27	0.60	12.67	B	O&T
8	13.44	0.55	12.89	B	O&T
9	13.68	0.50	13.18	B	O&T
10	13.97	0.50	13.47	B	O&T
11	14.41	0.50	13.91	B	O&T
12	14.80	0.55	14.25	B	O&T
13	15.30	0.50	14.80	B	O&T
14	12.83	0.35	12.48	B	O&T
15	12.82	0.35	12.47	B	O&T
16	12.85	0.45	12.40	B	O&T
17	12.82	0.45	12.37	B	O&T
18	12.87	0.45	12.42	B	O&T
19	12.97	0.45	12.52	B	O&T
20	13.30	0.30	13.00	B	O&T
21	13.52	0.30	13.22	B	O&T
22	13.70	0.40	13.30	B	O&T
23	13.75	0.40	13.35	B	O&T
24	12.85	0.45	12.40	B	O&T
25	12.89	0.40	12.49	B	O&T
26	12.81	0.80	12.01	B	O&T
27	12.80	0.80	12.00	B	O&T
28	12.96	0.80	12.16	B	O&T
29	13.15	0.80	12.35	B	O&T
30	13.27	0.70	12.57	B	O&T
31	13.83	0.70	13.13	B	O&T
32	13.83	0.90	12.93	B	O&T
33	13.98	0.80	13.16	B	O&T
34	14.05	0.80	13.25	B	O&T
35	14.02	0.80	13.22	B	O&T
36	14.16	0.70	13.46	B	O&T
37	14.29	0.80	13.49	B	O&T
38	14.39	0.80	13.59	B	O&T
39	14.48	0.90	13.58	B	O&T
40	14.66	0.70	13.96	B	O&T
41	14.71	0.50	14.21	B	O&T
42	14.69	0.70	13.99	B	O&T
43	14.70	0.40	14.30	B	O&T
44	14.66	0.55	14.11	B	O&T
45	14.47	0.70	13.77	B	O&T
46	14.40	0.60	13.80	B	O&T
47	14.27	0.70	13.57	B	O&T
48	14.16	0.60	13.56	B	O&T
49	14.00	0.70	13.30	B	O&T
50	14.03	0.65	13.38	B	O&T
51	13.98	0.60	13.38	B	O&T
52	13.85	0.90	12.95	B	O&T
53	13.84	0.70	13.14	B	O&T
54	13.87	0.15	13.72	B	O&T

NOTE: O&T denotes OPTIC FIBRE CABLES AND TELSTRA CABLES

SERVICES-COMMUNICATIONS					
No	Surface RL	Approx Depth	Service RL	Quality	Comments
55	14.02	0.30	13.72	B	O&T
56	14.20	0.20	14.00	B	o&T
57	14.18	0.25	13.93	B	O&T
58	14.36	0.30	14.06	B	O&T
59	14.75	0.50	14.25	B	O&T
60	14.72	0.40	14.32	B	O&T
61	14.82	0.30	14.52	B	O&T
62	15.14	0.80	14.34	B	O&T
63	15.22	0.25	14.97	B	O&T
64	15.35	0.35	15.00	B	O&T
65	15.76	0.30	15.46	B	O&T
66	18.80	0.40	15.40	B	O&T
67	15.76	0.40	15.36	B	O&T
68	15.15	0.35	14.80	B	O&T
69	15.24	0.90	14.34	B	O&T
70	15.41	0.90	14.51	B	O&T
71	15.56	0.90	14.66	B	O&T
72	15.69	0.85	14.84	B	O&T
73	15.83	1.00	14.83	B	O&T
74	15.73	0.90	14.83	B	O&T
75	15.77	0.90	14.87	B	O&T
76	15.82	0.90	14.92	B	O&T
77	15.78	0.90	14.88	B	O&T
78	15.76	0.50	15.26	B	O&T
79	15.72	0.50	15.22	B	O&T
80	15.71	0.50	15.21	B	O&T
81	15.76	0.40	15.36	B	O&T
82	15.95	0.40	15.55	B	O&T
83	13.05	0.50	12.55	B	O&T
84	12.99	0.30	12.69	B	O&T
85	12.92	0.40	12.52	B	O&T
86	13.18	0.50	12.68	B	O&T
87	13.29	0.40	12.89	B	O&T
88	13.25	0.60	12.65	B	O&T
89	13.09	0.60	12.49	B	O&T
90	13.37	0.60	12.77	B	O&T
91	13.41	0.60	12.81	B	O&T
92	13.43	0.70	12.73	B	O&T
93	13.60	0.70	12.90	B	O&T
94	13.73	0.70	13.03	B	O&T
95	13.91	0.70	13.21	B	O&T
96	13.92	0.60	13.32	B	O&T
97	13.98	0.35	13.63	B	O&T
98	14.02	0.35	13.67	B	O&T
99	12.07	0.50	11.57	B	O&T
100	12.08	0.50	11.58	B	O&T
101	12.13	0.50	11.63	B	O&T
102	12.16	0.50	11.66	B	O&T
103	12.15	0.50	11.65	B	O&T
373	13.73	5.52	19.25	A	OHC
374	12.93	5.66	18.59	A	OHC

SERVICES-GAS					
No	Surface RL	Approx Depth	Service RL	Quality	Comment
104	12.85	1.00	11.85	B	HIGH PRESSURE
105	12.85	1.00	11.85	B	HIGH PRESSURE
106	12.86			A	GAS MARKER
107	12.91	1.50	11.41	B	HIGH PRESSURE
108	12.98	1.30	11.68	B	HIGH PRESSURE
109	13.07	1.20	11.87	B	HIGH PRESSURE
110	13.16	1.10	12.06	B	HIGH PRESSURE
111	13.28	1.00	12.28	B	HIGH PRESSURE
112	13.47	1.00	12.47	B	HIGH PRESSURE
113	13.66	0.90	12.76	B	HIGH PRESSURE
114	14.03	1.00	13.03	B	HIGH PRESSURE
115	14.03			A	GAS MARKER
116	14.06	1.00	13.06	B	HIGH PRESSURE
117	14.39	1.10	13.29	B	HIGH PRESSURE
118	14.80	1.00	13.80	B	HIGH PRESSURE
119	15.31	0.90	14.41	B	HIGH PRESSURE
120	13.68	0.20	13.48	B	LOW PRESSURE
121	13.65	0.20	13.45	B	LOW PRESSURE
122	13.67	0.25	13.42	B	LOW PRESSURE
123	13.70	0.30	13.40	B	LOW PRESSURE
124	13.76	0.30	13.46	B	LOW PRESSURE
125	13.58	0.25	13.33	B	LOW PRESSURE
126	13.16			A	GAS METER
127	13.01	0.60	12.41	B	LOW PRESSURE

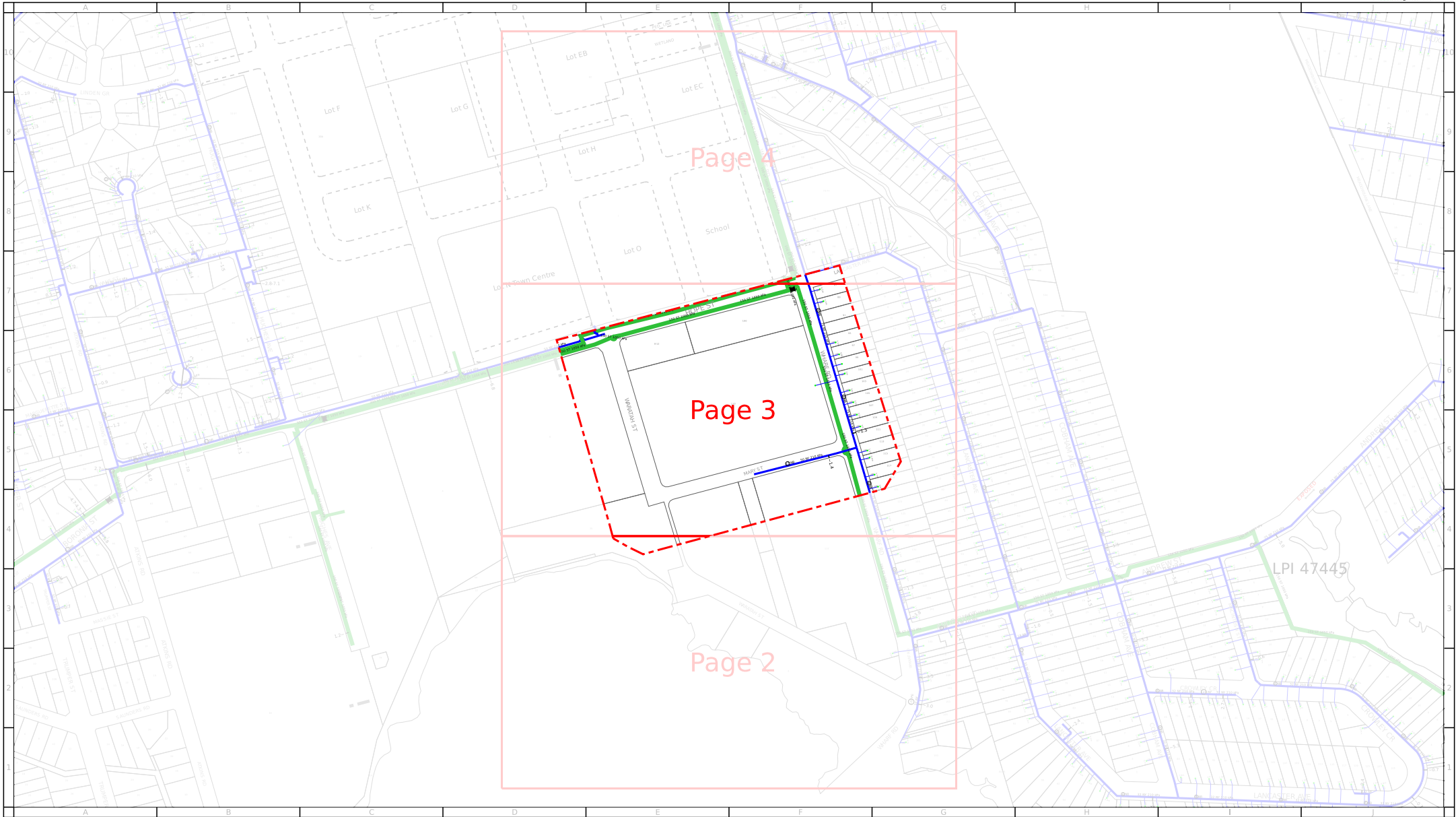
SERVICES-GAS					
No	Surface RL	Approx Depth	Service RL	Quality	Comment
128	12.97	0.55	12.42	B	LOW PRESSURE
129	13.35	0.30	13.05	B	LOW PRESSURE
130	13.43	0.30	13.13	B	LOW PRESSURE
131	13.44	0.30	13.14	B	LOW PRESSURE
132	14.12	0.40	13.72	B	LOW PRESSURE
133	14.20	0.40	13.80	B	LOW PRESSURE
134	14.33	0.40	13.93	B	LOW PRESSURE
135	14.41	0.40	14.01	B	LOW PRESSURE
136	14.67	0.40	14.27	B	LOW PRESSURE
137	14.64	0.40	14.24	B	LOW PRESSURE
138	14.81	0.70	14.11	B	LOW PRESSURE
139	15.22	0.40	14.82	B	LOW PRESSURE
140	15.25	0.40	14.85	B	LOW PRESSURE
141	15.31	0.40	14.91	B	LOW PRESSURE
142	15.24	0.40	14.84	B	LOW PRESSURE
143	15.35	0.50	14.85	B	LOW PRESSURE
144	15.52	0.40	15.12	B	LOW PRESSURE
145	15.62	1.00	14.62	B	LOW PRESSURE
146	15.65	0.80	14.85	B	LOW PRESSURE
147	15.74	0.50	15.24	B	LOW PRESSURE
148	15.74	0.55	15.19	B	LOW PRESSURE
149	15.73	0.55	15.18	B	LOW PRESSURE

SERVICES-SEWER DRAINAGE					
No	Surface RL	Approx Depth	Service RL	Quality	Comment
150	13.74	0.15	13.59	B	
151	13.70	0.15	13.55	A	
152	13.73			A	SIP
153	13.70	0.25	13.45	B	
154	13.78			A	SIP
155	13.68	0.25	13.44	B	
156	13.68	0.35	13.33	B	
157	13.70	0.35	13.35	B	
158	13.70	0.40	13.30	B	
159	13.79	0.50	13.29	B	
160	13.89	0.55	13.34	B	
161	14.07	0.70	13.37	B	
162	14.14	1.10	13.04	B	
163	14.86			A	SIP
164	15.14			A	SIP
165	15.08	0.70	14.38	B	
166	15.28	1.20	14.08	B	
167	15.41	1.35	14.06	B	
168	15.44	1.40	14.04	B	
169	15.41	1.40	14.01	B	
170	15.39			A	SIP
171	15.40	1.40	14.00	B	
172	15.49	1.50	13.99	B	
173	15.53	1.70	13.83	B	
174	14.82	2.30	12.52	B	
175	15.65	0.20	15.45	B	
176	14.85	1.00	13.85	B	
177	14.87	1.00	13.87	B	
178	14.80	2.30	12.50	B	
179	14.79	2.30	12.49	B	
180	14.08			A	SMH

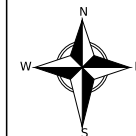
SERVICES-OIL PIPELINE					
No	Surface RL	Approx Depth	Service RL	Quality	Comment
385	9.99	2.10	7.89	B	
386	10.45	2.10	8.35	B	
387	10.81	2.10	8.71	B	
388	11.18	1.90	9.28	B	
389	11.97	1.60	10.37	B	
390	12.39	2.30	10.09	B	
391	13.31	3.10	10.21	B	
392	13.08	3.10	9.98	B	
393	13.15	4.00	9.15	B	
394	13.18	4.00	9.18	B	
395	13.02	4.00	9.02	B	
396	12.45	2.10	10.35	B	
397	9.48	1.50	7.98	B	
398	8.43	1.50	6.93	B	
399	8.17	1.30	6.87	B	
400	8.40	1.30	7.10	B	
401	8.58	1.60	6.98	B	
402	8.67	1.70	6.97	B	
403	8.78	1.50	7.28	B	
404	8.91	1.50	7.41	B	
405	9.03	1.70	7.33	B	
406	8.52	1.30	7.22	B	
407	7.97	1.20	6.77	B	
408	7.44	1.00	6.44	B	
409	6.92	1.00	5.92	B	
410	6.47	0.60	5.87	B	
411	5.92	0.80	5.12	B	
412	5.60	0.50	5.10	B	
413	5.46			A	PIPELINE SIGN
414	3.98	1.90	2.08	B	
415	3.82	1.90	1.92	B	
416	4.08	1.70	2.38	B	
417	4.76	1.80	2.96	B	
418	5.05	1.90	3.15	B	
419	5.06			A	PIPELINE SIGN
420	5.06	1.90	3.16	B	
421	5.11	1.20	3.91	B	
422	5.34	1.00	4.34	B	
423	5.54	0.80	4.74	B	
424	5.73	0.90	4.83	B	

APPENDIX B - BYDA GAS – JEMENA PLAN

See overpage



For legend details, please refer to the Coversheet attachment provided as part of this BYDA response.



Scale: 1:6301

Issue Date: 10/08/2023
BYDA Seq No: 228213413
BYDA Job No: 34810531
Overview Page:

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



For legend details, please refer to the Coversheet attachment provided as part of this BYDA response.



Scale: 1:2000

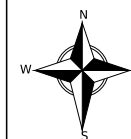
Issue Date: 10/08/2023
BYDA Seq No: 228213413
BYDA Job No: 34810531

0m 10m 20m 30m 40m 50m 60m 70m 80m

WARNING: This is a representation of Jemena Gas Networks underground assets only and may not indicate all assets in the area. It must not be used for the purpose of exact asset location in order to undertake any type of excavation. This plan is diagrammatic only, and distances scaled from this plan may not be accurate. Please read all conditions and information on the attached information sheet. This extract is subject to those conditions. The information contained on this plan is only valid for 28 days from the date of issue.



For legend details, please refer to the Coversheet attachment provided as part of this BYDA response.



Scale: 1:2000

Issue Date: 10/08/2023

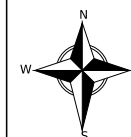
BYDA Seq No: 228213413

BYDA Job No: 34810531

0m 10m 20m 30m 40m 50m 60m 70m 80m



WARNING: This is a representation of Jemena Gas Networks underground assets only and may not indicate all assets in the area. It must not be used for the purpose of exact asset location in order to undertake any type of excavation. This plan is diagrammatic only, and distances scaled from this plan may not be accurate. Please read all conditions and information on the attached information sheet. This extract is subject to those conditions. The information contained on this plan is only valid for 28 days from the date of issue.



APPENDIX C - BYDA SEWER & POTABLE WATER – SYDNEY WATER PLAN

See overpage






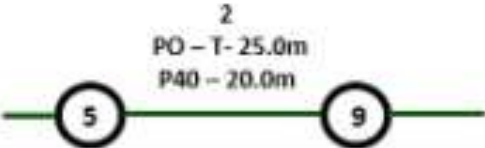






APPENDIX D - BYDA COMMUNICATIONS – NBN PLAN

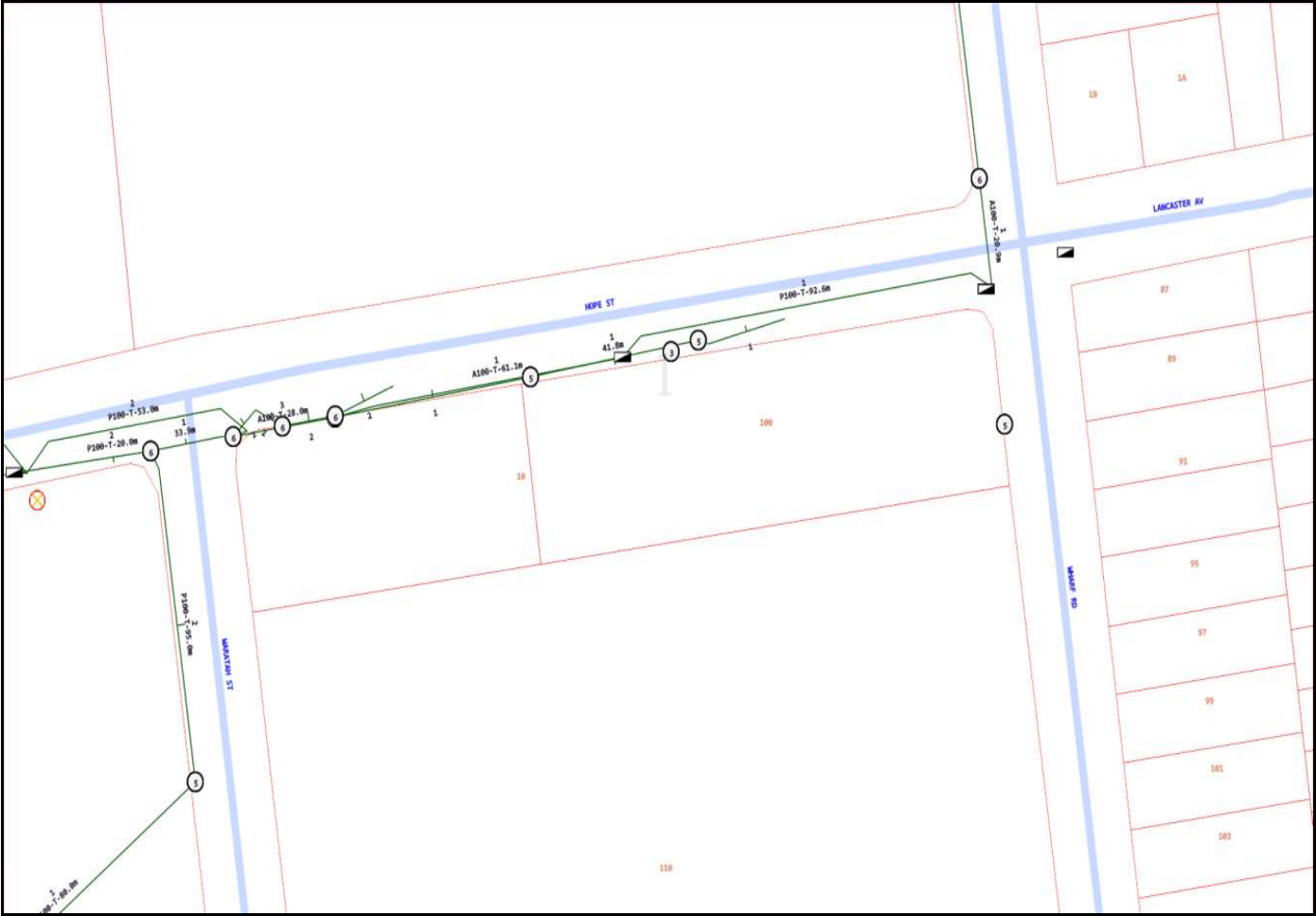
See overpage

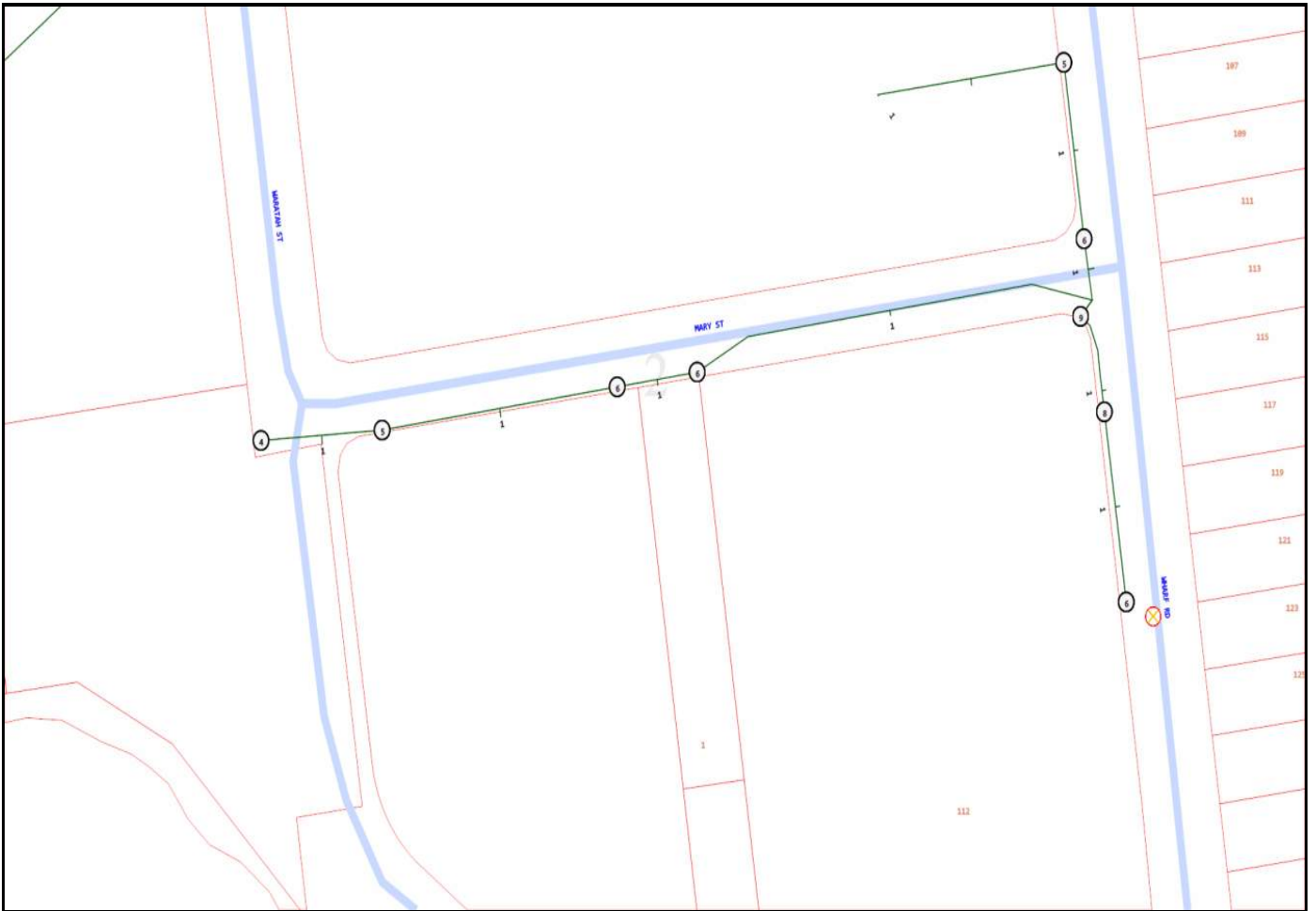


LEGEND



	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
	<p>Cable count of trench is 2.</p> <p>One "Other size" PVC conduit (PO) owned by Telstra (-T-), between pits of sizes, "5" and "9" are 25.0m apart.</p> <p>One 40mm PVC conduit (P40) owned by NBN, between pits of sizes, "5" and "9" are 20.0m apart.</p>
	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"
<p>Scale</p>	<p>0 20 40 60 Meters</p> <p>1:2000</p> <p>1 cm equals 20 m</p> 





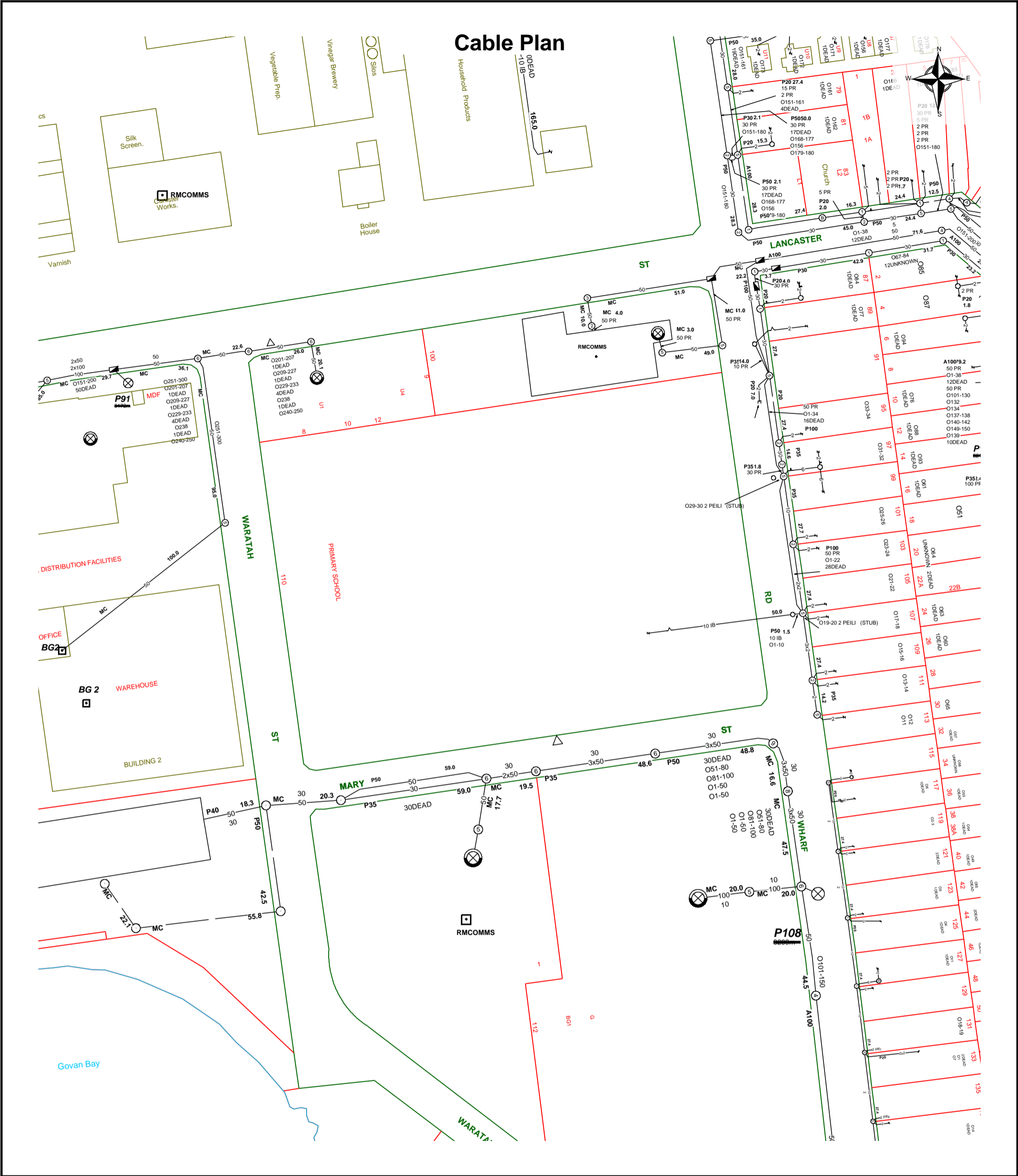
Emergency Contacts


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

APPENDIX E - BYDA COMMUNICATIONS – TELSTRA PLAN

See overpage

Cable Plan



	<p>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</p>	<p>Sequence Number: 228213418</p> <p>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.</p>
<p>TELSTRA LIMITED A.C.N. 086 174 781</p> <p>Generated On 10/08/2023 16:47:57</p>		

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

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.

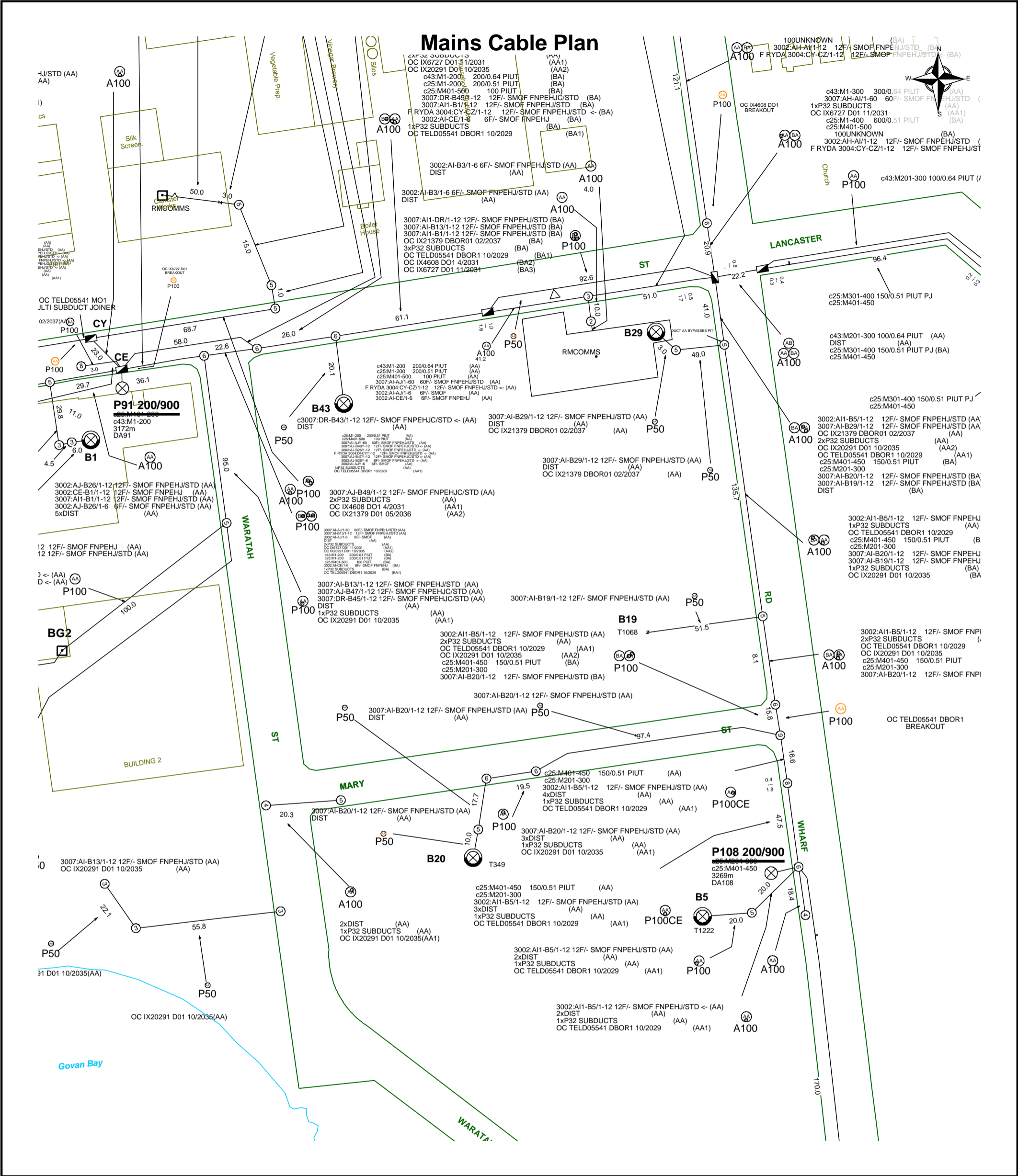
Refer to AS 5488 for further details. The exact position of Telstra assets can only be validated by physically exposing it.


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.



	<p>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</p>	<p>Sequence Number: 228213418</p> <p>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.</p>
<p>TELSTRA LIMITED A.C.N. 086 174 781</p> <p>Generated On 10/08/2023 16:48:00</p>		

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 F - BYDA COMMUNICATIONS – OPTUS PLAN

See overpage



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Sequence Number: 228213410

Date Generated: 11 Aug 2023



For all Optus DBYD plan enquiries –
 Email: Fibre.Locations@optus.net.au
 For urgent onsite assistance contact 1800 505 777
 Optus Limited ACN 052 833 208



APPENDIX G - BYDA COMMUNICATIONS – TPG PLAN

See overpage

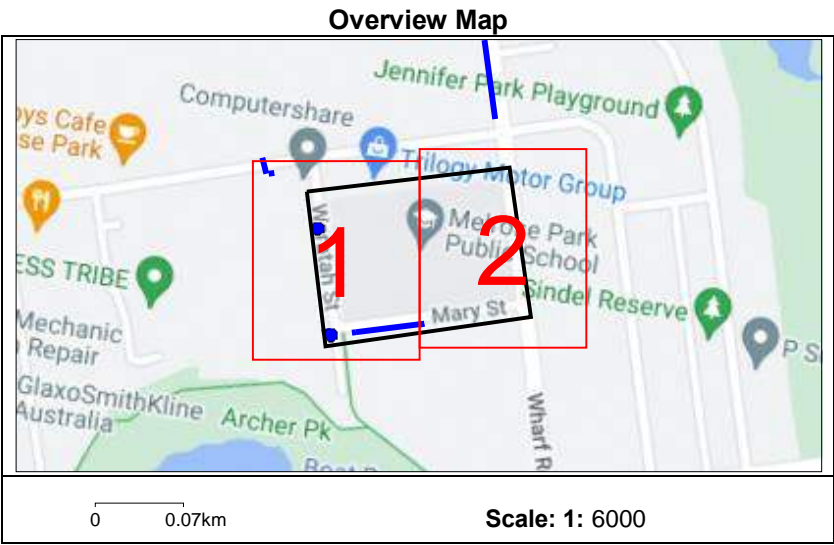
- Use suitably qualified and supervised professionals, particularly if you are working near assets that contain electricity cables or gas pipes.
- Ensure the below minimum clearance distances between the construction activities and the actual location of our assets are met. If you need clearance distances for our above ground assets, or if the below distances cannot be met, call **1800 786 306** to discuss.

Minimum assets clearance distances.

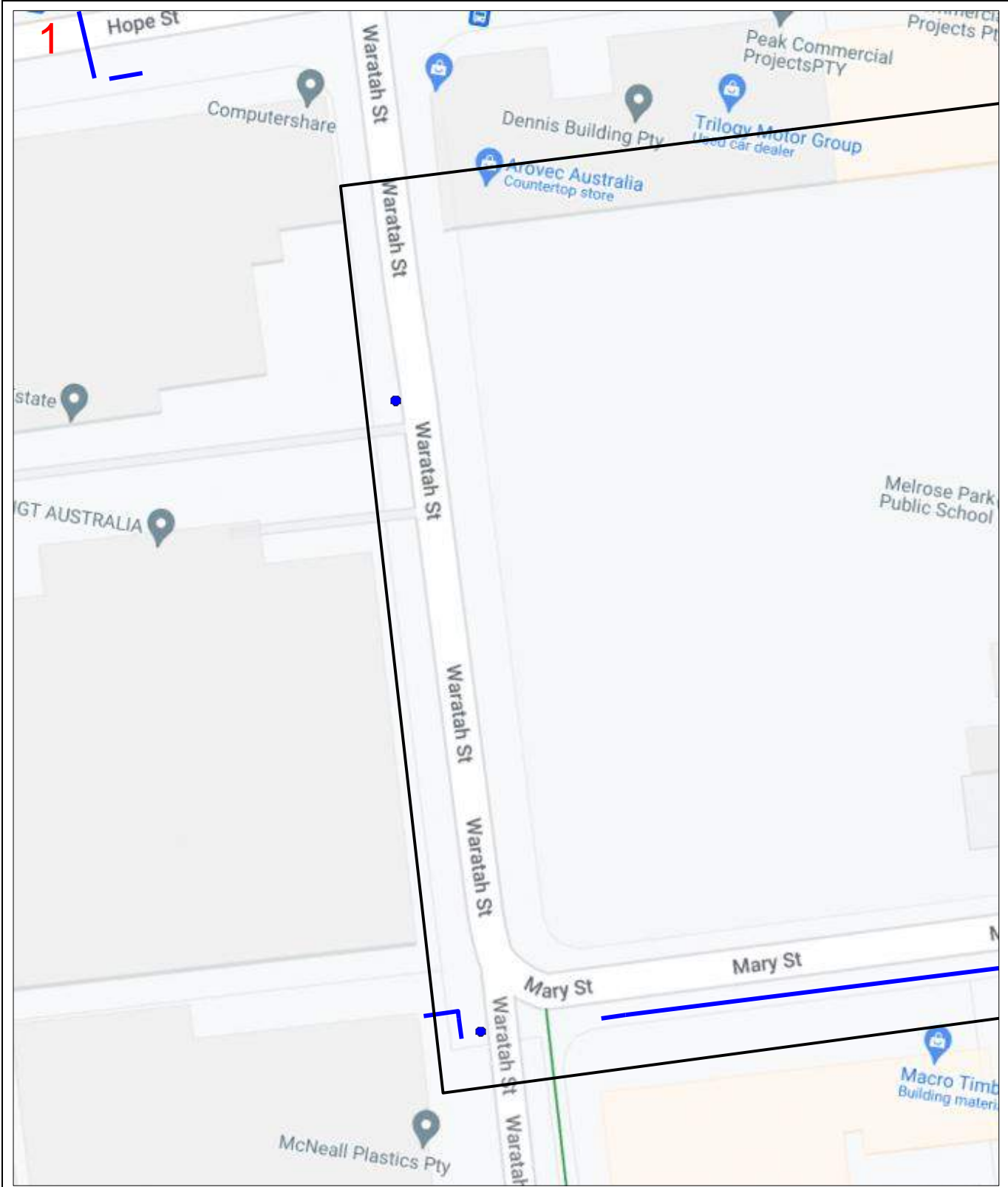
- 300mm when laying asset inline, horizontal or vertical.
 - 1000mm when operating vibrating equipment. Eg: vibrating plates. No vibrating equipment on top of asset.
 - 1000mm when operating mechanical excavators or jackhammers/pneumatic breakers.
 - 2000mm when performing directional bore in-line, horizontal and vertical.
 - No heavy vehicle over 3 tonnes to be driven over asset with less than 600mm of cover.
- Reinstate exposed TPG network infrastructure back to original state.

PRIVACY & CONFIDENTIALITY

- Privacy Notice – Your information has been provided to us by Before You Dig Australia to respond to your Before You Dig Australia enquiry. We will keep your personal information in accordance with TPG’s privacy policy, see www.tpg.com.au/about/privacy.
- Confidentiality – The information we have provided to you is confidential and is to be used only for planning and designing purposes in connection with your Before You Dig Australia enquiry. Please dispose of the information by shredding or other secure disposal method after use. We retain all intellectual property rights (including copyrights) in all our documents and plans.



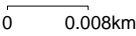

TPG Telecom Limited
















Enquiry Number: 228213419

Map Sheet: 1

Scale: 1: 750



LEGEND

BYDA Work Area			
AAPT/PowerTel Pit		TransACT Pit	
AAPT/PowerTel Duct		TransACT Duct	
DDA Pit		SOUL Pattinson Telecoms Pit	
DDA Duct		SOUL Pattinson Telecoms Duct	
Agile/Adam Pit		PIPE Networks Pit	
Agile/Adam Duct		PIPE Networks Duct	

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APPENDIX H - BYDA ELECTRICITY – AUSGRID PLAN

See overpage

APPENDIX J - BYDA ELECTRICITY – ENDEAVOUR ENERGY PLAN

See overpage

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.
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DISCLAIMER











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THIS EXCAVATION IS IN THE VICINITY OF ENDEAVOUR ENERGY TRANSMISSION, PILOT, COMMUNICATION OR FIBRE OPTIC CABLES

PLEASE RING 9853 7121 or MOB. 0407 468 626

10 WORKING DAYS BEFORE COMMENCING WORK

-  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.:	228213414
Issued Date:	10/08/2023

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 Overground pillar (O.G.Box)

NOT TO SCALE

BYDA Sequence No.:	228213414
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Cadastre: © Land and Property Information 2015, 2016

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









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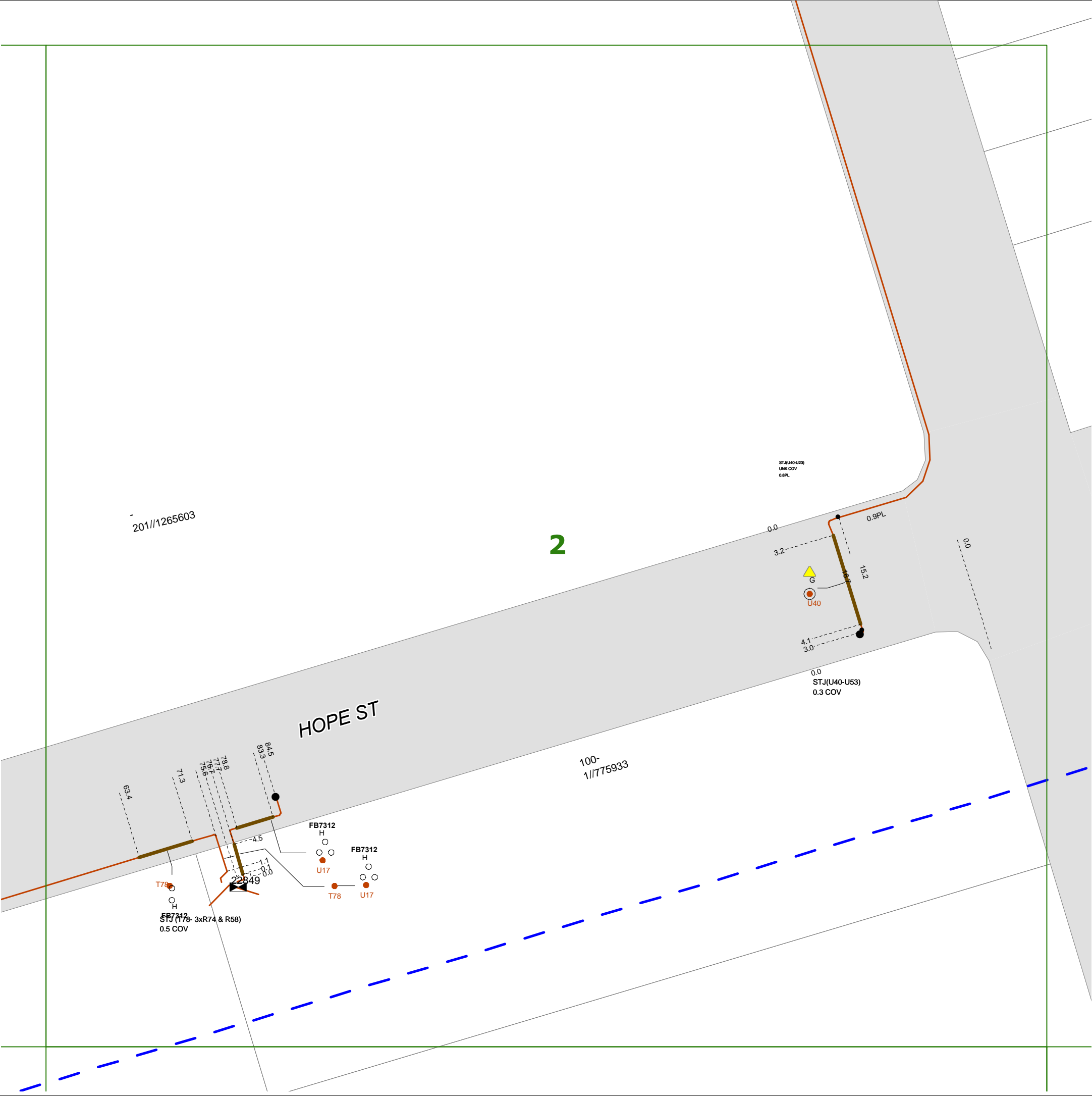
THIS EXCAVATION IS IN THE VICINITY OF ENDEAVOUR ENERGY TRANSMISSION, PILOT, COMMUNICATION OR FIBRE OPTIC CABLES. PLEASE RING 9853 7121 or MOB. 0407 468 626 10 WORKING DAYS BEFORE COMMENCING WORK

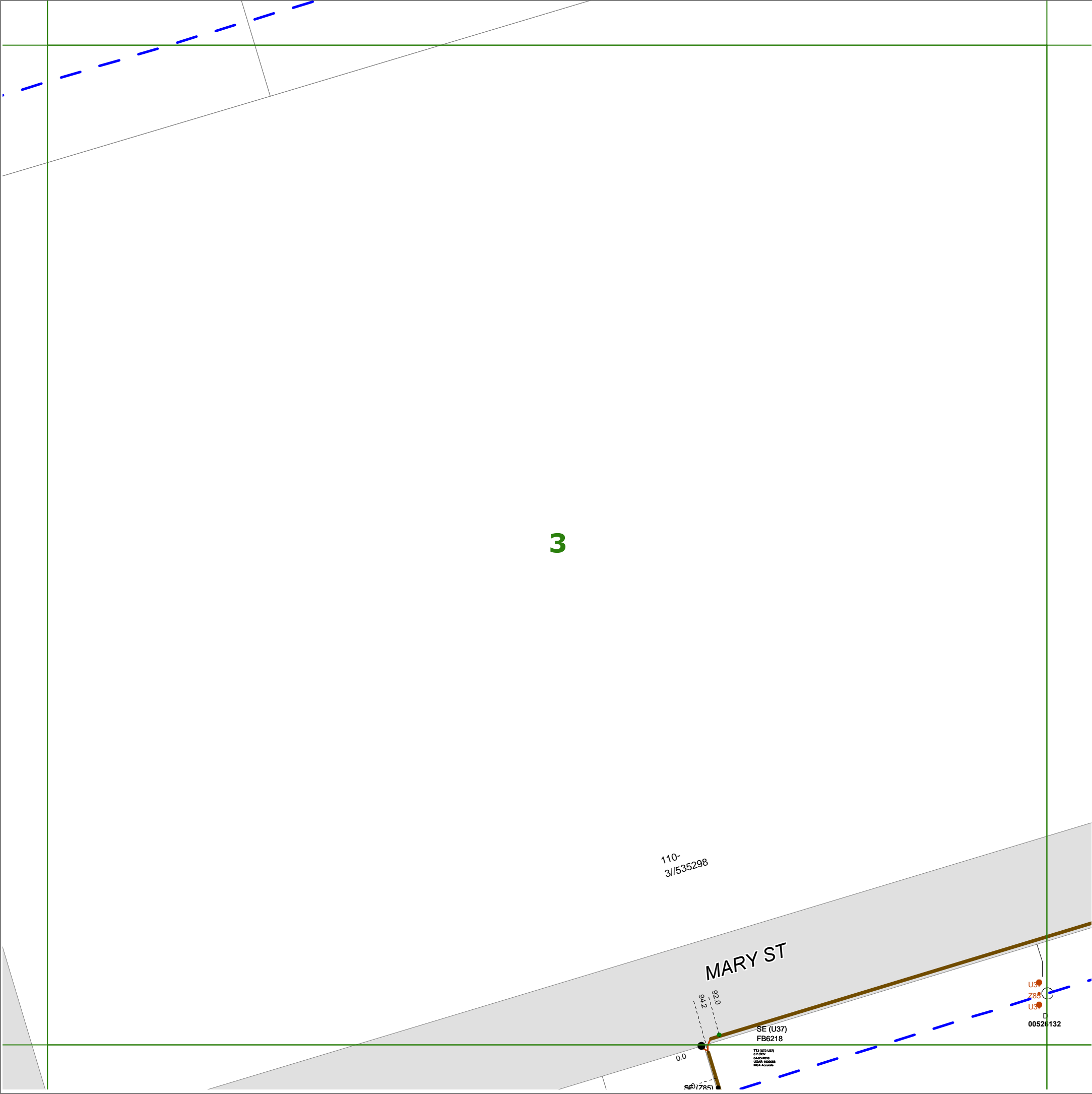
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NOT TO SCALE

BYDA Sequence No.:	228213414
Issued Date:	10/08/2023





3



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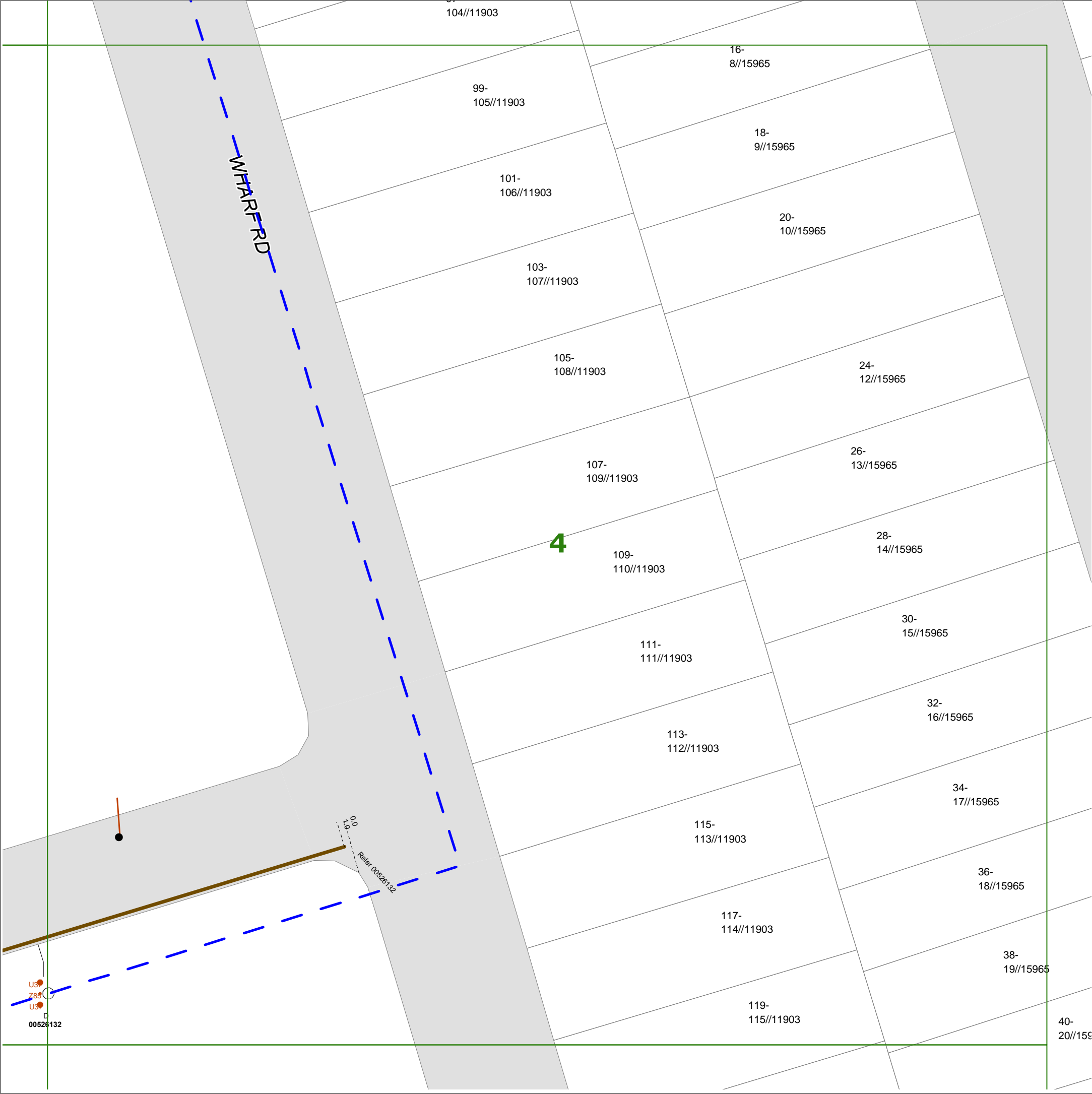
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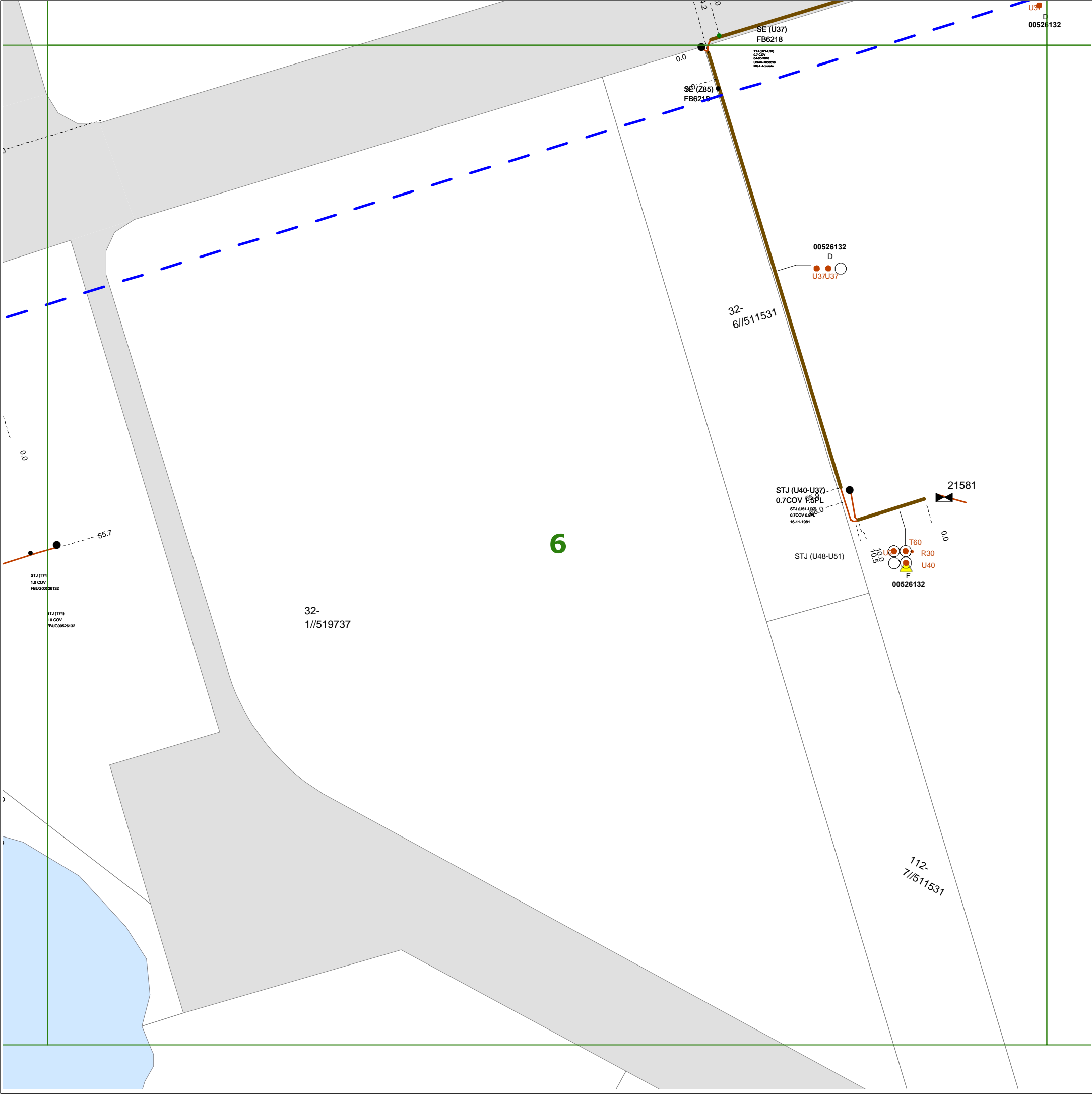
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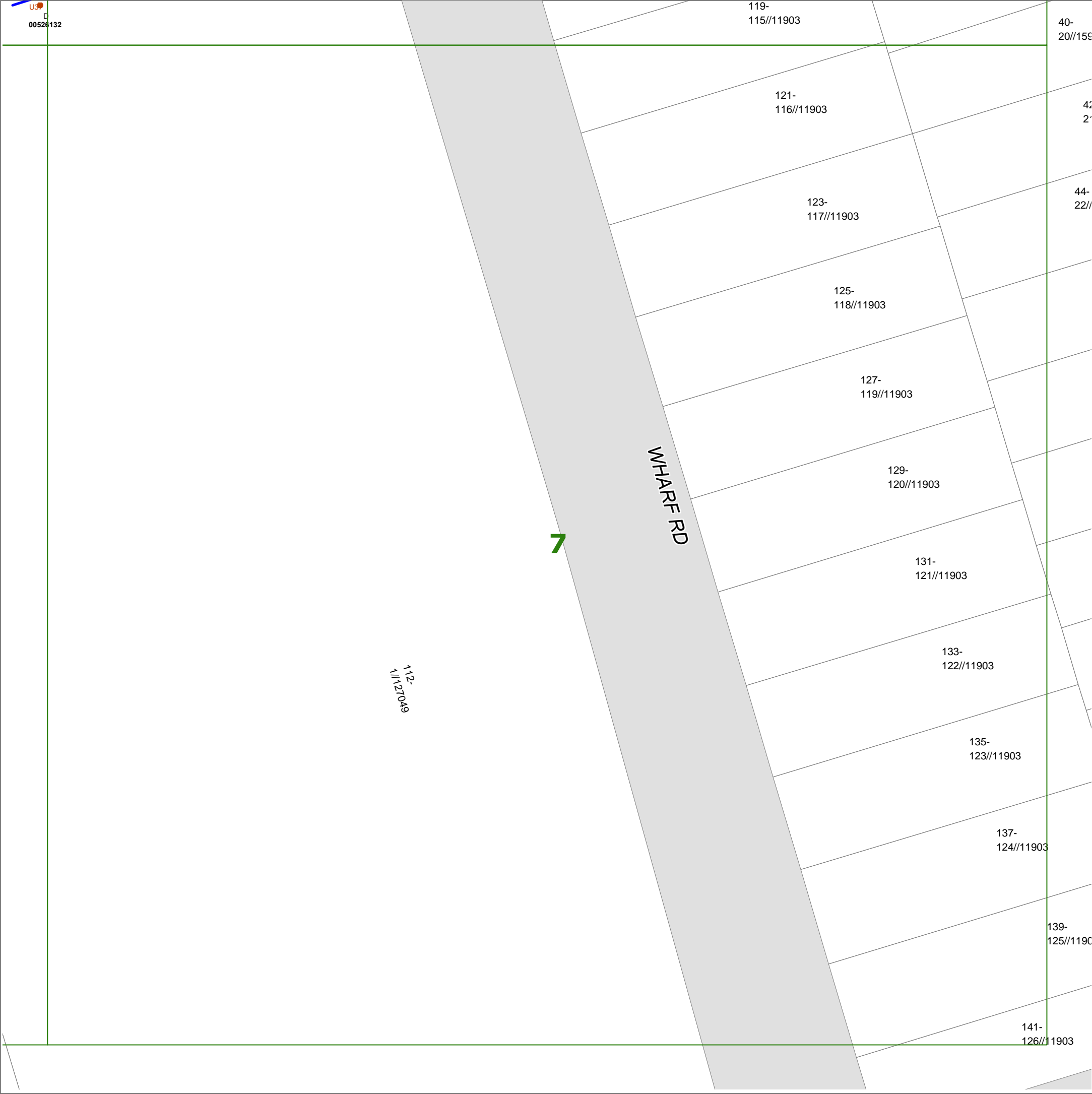
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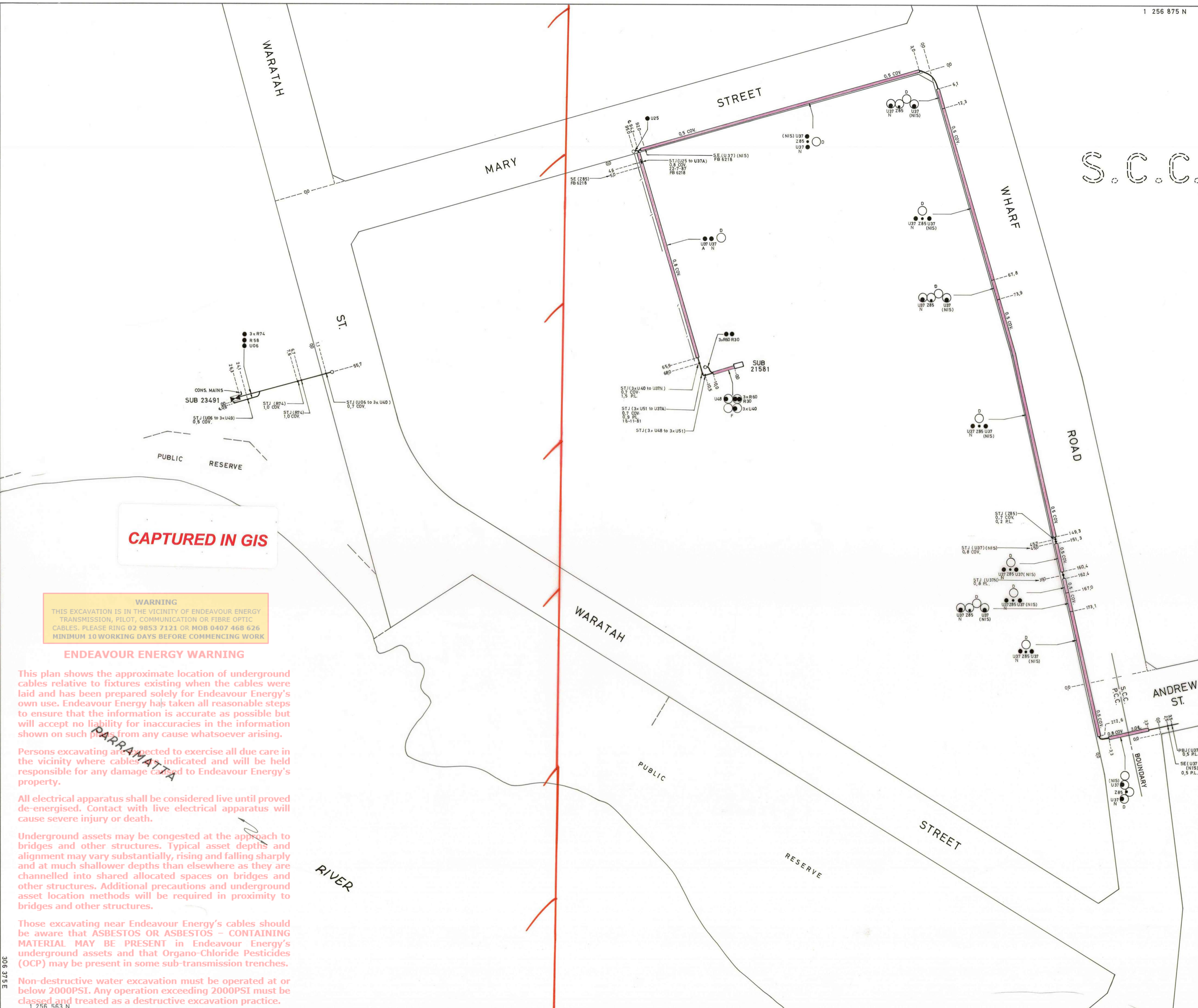
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NOT TO SCALE

BYDA Sequence No.:	228213414
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306 750 E

NOTES:

1. CABLES 0,6 FROM PROPERTY LINE, 0,6 COVER UNLESS OTHERWISE SHOWN.

2. LENGTHS IN METRES.

CABLE LEGEND		DUCT LEGEND	
SL	STREET LIGHT CONDUCTOR	B	50 PVC CONDUIT
SC	SERVICE CABLE	C	100 PVC CONDUIT
		D	125 PVC CONDUIT
		E	100 FIBRO CONDUIT
		F	140 FIBRO CONDUIT

CABLE SCHEDULE			
CODE	TYPE	CODE	TYPE
U12	150 mm 11 kV AL PLYSWS	T28	50 mm LV PVC/PVC
U13	150 mm 11 kV AL XLPE	T38	150 mm LV AL XLPE
U17	240 mm 11 kV AL PLYSWS	T43	185 mm LV AL XLPE
U18	4 SQ 18 11 kV AL PLYSWS	T52	240 mm LV AL XLPE
U24	300 mm 11 kV AL PLYSWS	T57	240 mm LV AL PLYSWS
U25	300mm* 11kV AL SCREENED PLYSWS/PVC	T64	4 SQ 18 LV AL PLYSWS
U37	300mm* 11kV AL SCREENED PLYSWS/PVC	R58	4 SQ IN LV AL POLYPVC
U40	185mm* 11kV AL SCREENED PLYSWS (SINGLE)	R74	4 SQ IN LV AL POLYPVC
U51	15 SQ IN 11kV AL PLYSWS (SINGLE)	R90	15 SQ IN LV AL POLYPVC
U48	15 SQ IN 11kV AL PLYSWS (SINGLE)	R60	15 SQ IN LV AL POLYPVC
U06	95mm* 11kV AL PLYSWS		
T25	30 PAIR (60 CORE) COMM. CABLE		
U49	95mm* 11kV AL PLYSWS (SINGLE)		
U29	300mm* 11kV AL SCREENED PLYSWS/PVC		

NOTE: FOR EXISTING S.C.C. CABLE RECORDS REFER TO S.C.C. SHT. 0052-6-1-3 (PARRAMATTA).

DATE	LOCATION	BY	DATE
6/218	MARY STREET	BDO.	

THE PROSPECT COUNTY COUNCIL			
U.G. RETICULATION			
ERMINGTON			
DRAWN	B.D.O.	SCALE	DATE
CHECKED	J.M.V.	1:500	22-3-88
CO-ORD	D.SERV.	0052-6-1-3-2	

CAPTURED IN GIS

WARNING

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ENDEAVOUR ENERGY WARNING

This plan shows the approximate location of underground cables relative to fixtures existing when the cables were laid and has been prepared 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 inaccuracies in the information shown on such plans from any cause whatsoever arising.

Persons excavating are directed 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.

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Those excavating near Endeavour Energy's cables should be aware that ASBESTOS OR ASBESTOS - CONTAINING MATERIAL MAY BE PRESENT in Endeavour Energy's underground assets and that Organo-Chloride Pesticides (OCP) may be present in some sub-transmission trenches.

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APPENDIX K - BYDA STORMWATER – RYDE COUNCIL PLAN

See overpage

Before You Dig Australia (BYDA) Location Information



1 Pope Street
Ryde
New South Wales, 2112
cityofryde@ryde.nsw.gov.au

To:

Kylie Chapman
PO BOX 2572
NORTH PARRAMATTA NSW 1750

Enquiry Details

Utility ID	16700
Job Number	34810531
Sequence Number	228213415
Enquiry Date	10/08/2023 16:43
Response	AFFECTED
Address	110 Wharf Road Melrose Park
Location in Road	Road,Nature Strip,Footpath
Activity	Mechanical Excavation

Enquirer Details

Customer ID	3005943
Contact	Kylie Chapman
Company	
Email	kc@sdg.net.au
Phone	+61296307955

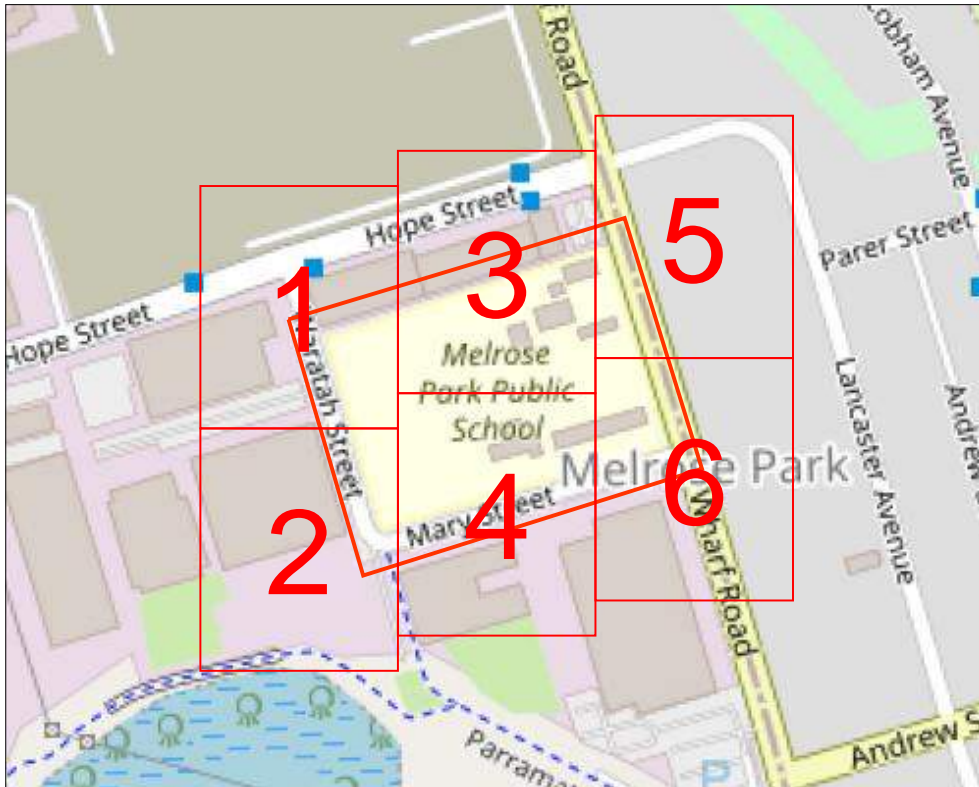
Please DO NOT REPLY TO THIS EMAIL as it has been automatically generated and replies are not monitored.

For more information on Safe Site Excavation, please refer to the Before You Dig Australia Best Practices Guidelines - <https://www.1100.com.au/safety-information/best-practice-guides>

Dear Kylie Chapman

Before You Dig Australia Request Sequence number 228213415

I refer to the above request for information about Council's assets in the following area:-



Please find attached information about the area you have nominated.

You must note that a Road Opening Permit (ROP) is required prior to commencement of any works in the road reservation. To obtain a ROP, you will be required to:

- complete the necessary ROP application.
- provide the necessary supporting information detailed in the ROP Application.
- make payment of Application Fee and Security Deposit. The Security Deposit is based on the estimated quantities of public infrastructure that will likely be damaged as a result of your proposed work. Rates for the various categories of assets are detailed in the ROP Application.

Approval of the ROP may require a site inspection to verify the information you have provided is accurate, and that all issues have been considered. You will be advised if an inspection is to be arranged.

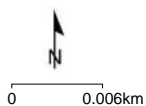
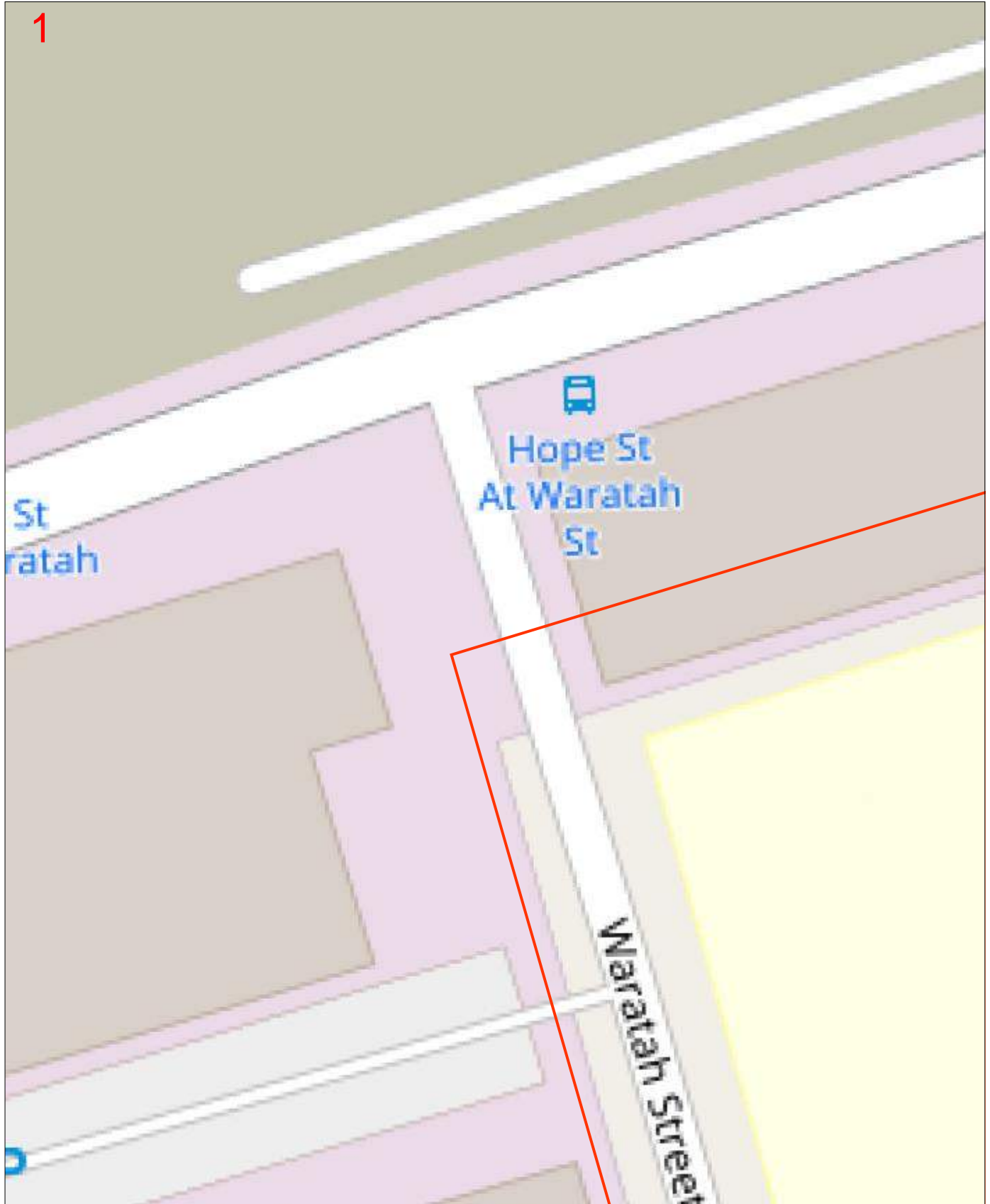
Yours faithfully,

City of Ryde

Map 1





Sequence No: 228213415

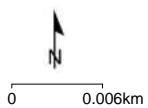
110 Wharf Road Melrose Park



Imagery – Open Street Maps





LEGEND:

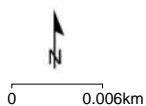
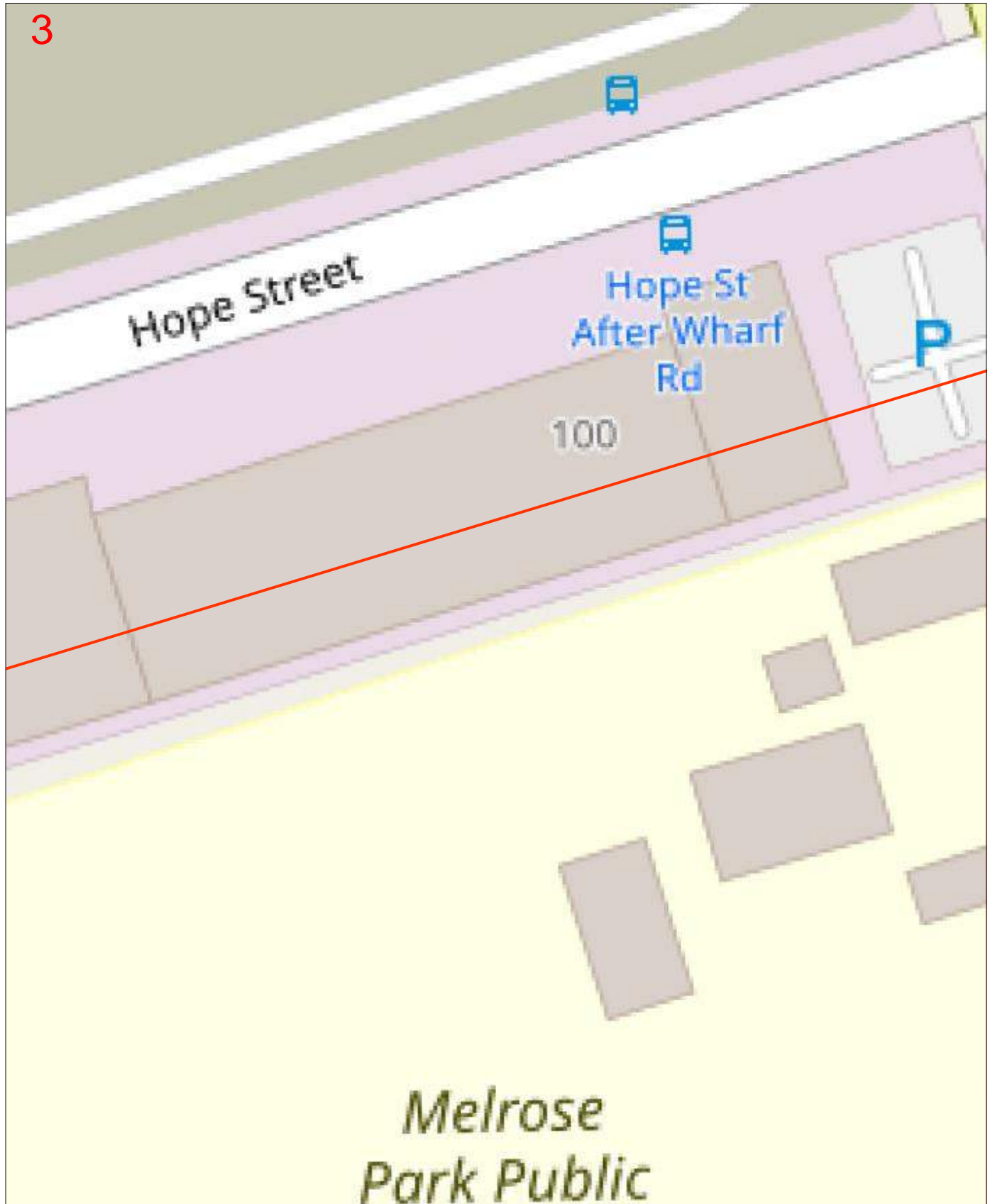
-  Affected BYDA Enquiry
-  Underground Pit
-  Inground Parking Sensor
-  Underground Pipe



Imagery – Open Street Maps





LEGEND:

-  Affected BYDA Enquiry
-  Underground Pit
-  Inground Parking Sensor
-  Underground Pipe



Imagery – Open Street Maps

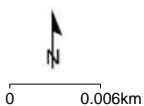
LEGEND:

-  Affected BYDA Enquiry
-  Underground Pit
-  Inground Parking Sensor
-  Underground Pipe

4





*School**Mary Street*

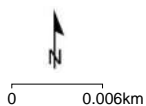
32



Imagery – Open Street Maps





LEGEND:

-  Affected BYDA Enquiry
-  Underground Pit
-  Inground Parking Sensor
-  Underground Pipe



Imagery – Open Street Maps

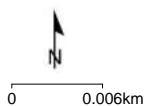
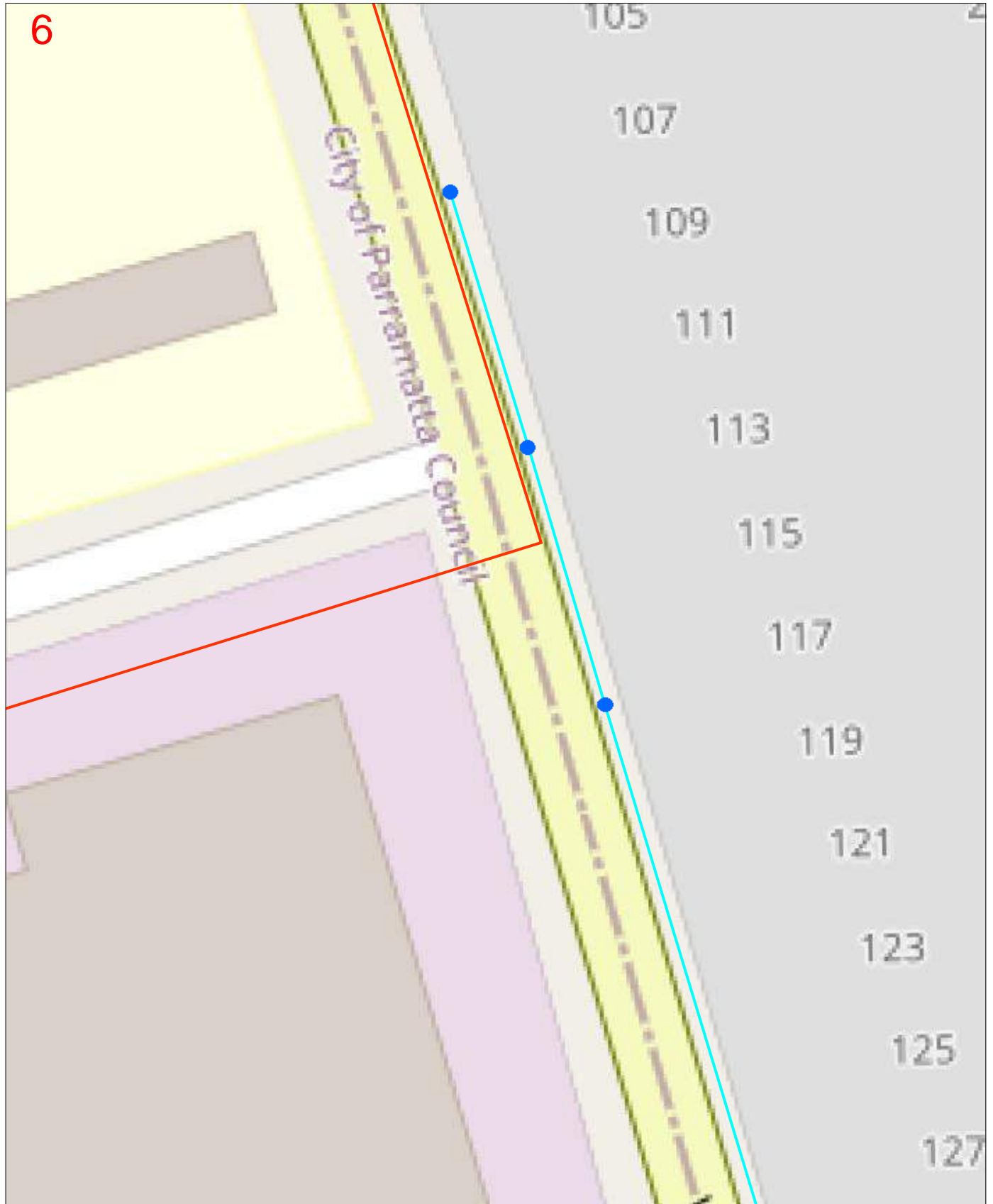
LEGEND:

-  Affected BYDA Enquiry
-  Underground Pit
-  Inground Parking Sensor
-  Underground Pipe

Map 6





Sequence No: 228213415

110 Wharf Road Melrose Park



Imagery – Open Street Maps

LEGEND:

-  Affected BYDA Enquiry
-  Underground Pit
-  Inground Parking Sensor
-  Underground Pipe

APPENDIX L - BYDA HIGH PRESSURE OIL PIPELINE – VIVA ENERGY PLAN

See overpage

Before You Dig Australia (BYDA) Enquiry Response

DANGER

High Pressure Hydrocarbon (Fuel) Pipeline is in the vicinity of your proposed works

With reference to your BYDA enquiry, the information you have provided indicates your proposed work at this location has the potential to damage our assets.

DO NOT PROCEED – You **MUST** Contact Viva Energy Pipelines Surveillance – **Freyssinet** with further details of the proposed dig and location. **A Viva Energy Right of Way Permit is required.**

WARNINGS:

- All information provided to you is **ONLY VALID FOR 30 DAYS** from the date of issue.
- Pipeline must be located by Viva Energy Australia.
- The attached extract from our Geographical Information System shows the **approximate** location of the Pipeline and is not to be used to make measurements from or infer potential for impact.
- If works are approved- An approval will be issued in Writing – Plans must be kept onsite with the Approval (Right of Way Permit).
- A Site Visit and Locating (electronic pipeline service location device) of the Viva Energy pipeline will be performed at **NO COST** to you.
- A Minimum of 3 Workings Days is required for booking a site inspection & issuing a Right of Way Permit.
- Pipeline Right of Way Permits will not be issued under any circumstances prior to a site inspection meeting.



Overview Map Scale: 1: 10000

Sequence No.: 228213417

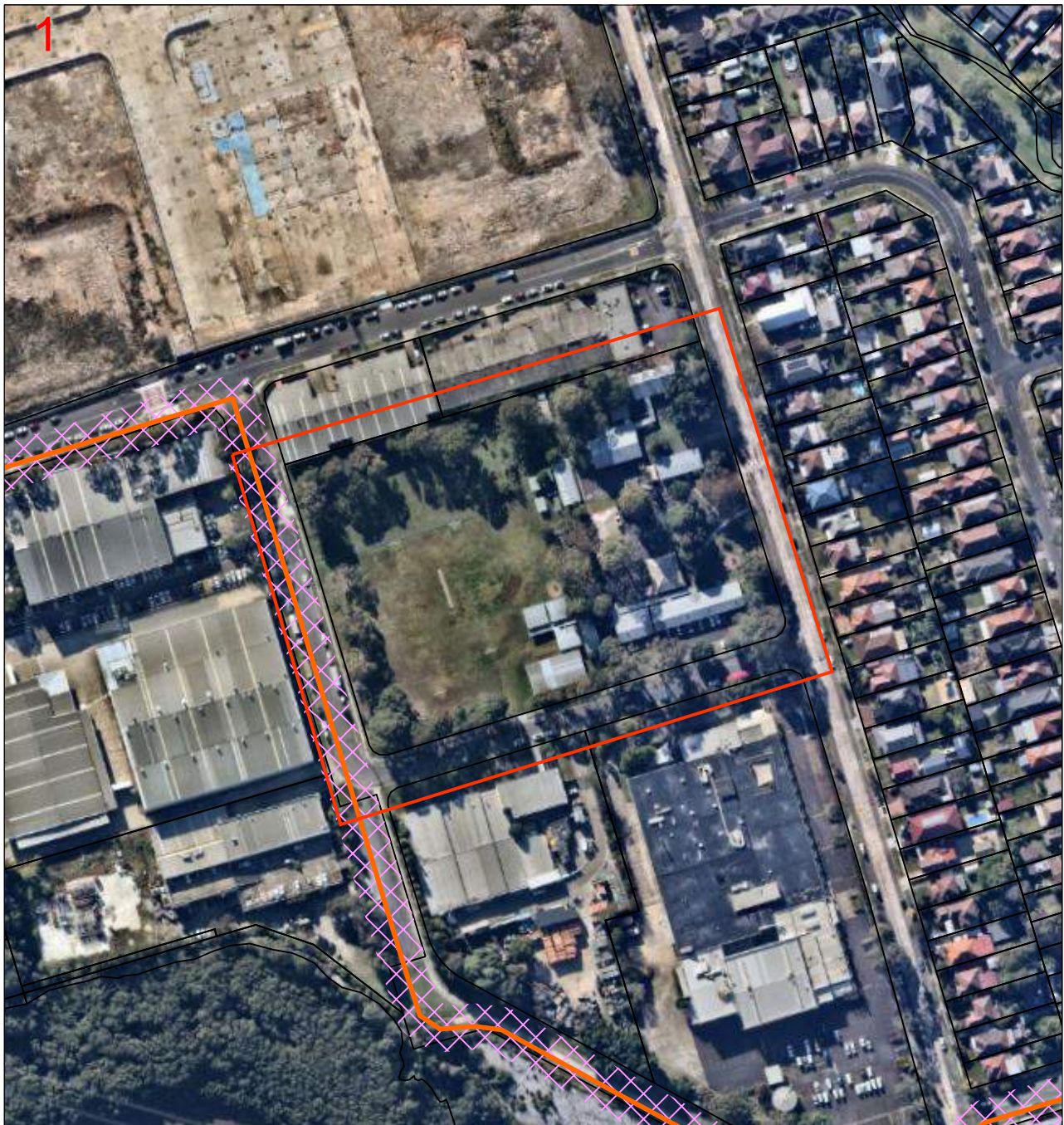
Issue Date: 10/08/2023

Note: Damaging a Hydrocarbon pipeline can result in fatalities and have long term financial, economic and environment impacts.

As per NSW Pipeline Regulations 2013 Division 6.27, any unauthorised activity within the pipeline corridor is a reportable offence to the appropriate Pipeline Regulator. Offences can incur substantial fines which are issued by the regulatory authorities including Safe Work NSW. **Penalties Apply**

Primary Contact: Viva Energy Pipelines Surveillance – **Freyssinet Australia**

Position:	BYDA Supervisor
Phone:	1800 945 223
Email:	dbydns@vivaenergy.com.au


BYDA Sequence Number:

228213417

Activity Type: Mechanical Excavation

Start Date: 11/08/2023

Location:

110 Wharf Road

Melrose Park 2114

Contact:

SDG Pty Ltd - Kylie Chapman

+61296307955

Legend:

- Gore Bay Pipeline
- Mascot JUHI Pipeline
- Silverwater Pipeline
- XXXX No Work Zone
- Cathodic Protection Equipment
- Property Boundary



10/08/2023

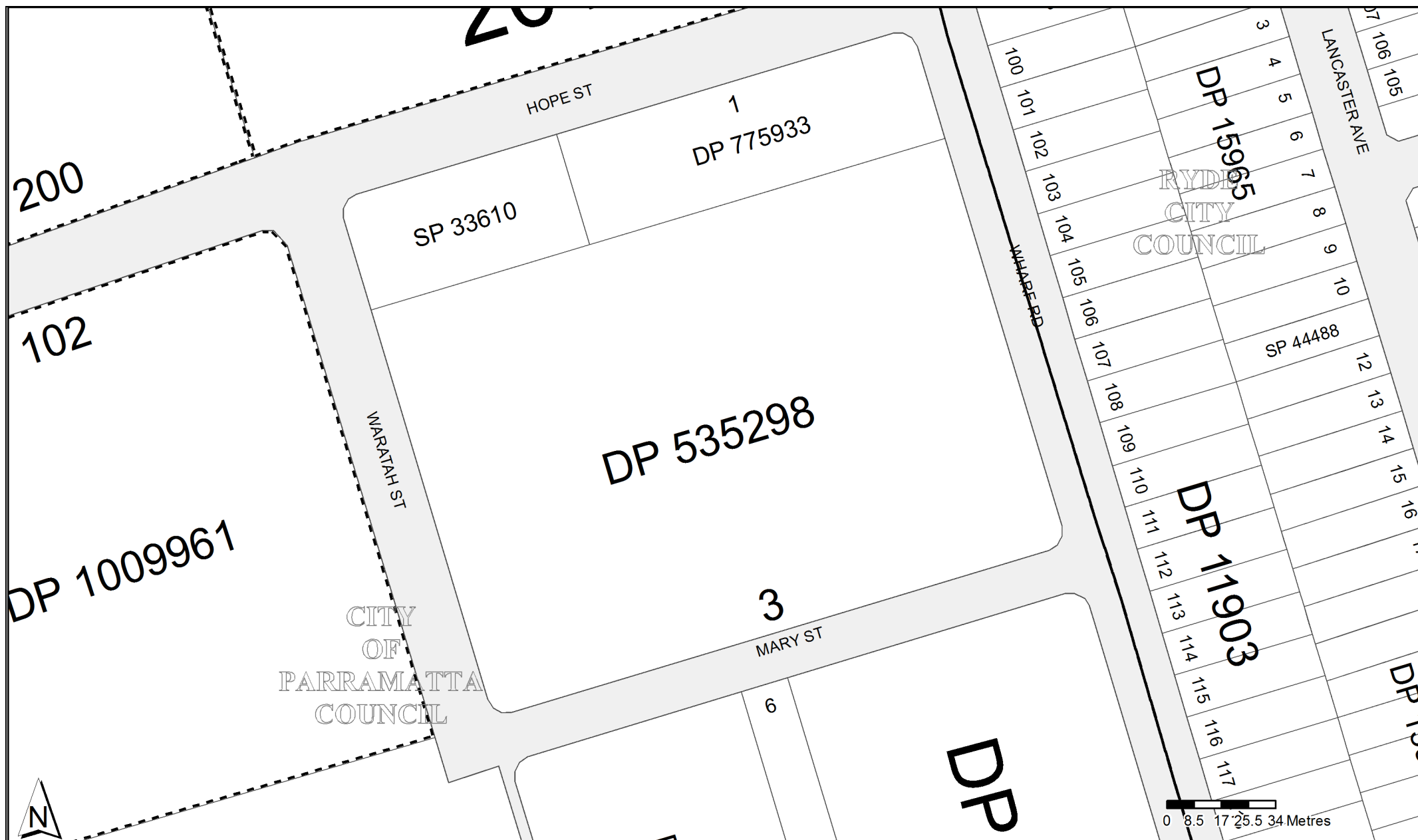










Scale: 1: 2000

00.01km

APPENDIX M – CADASTRAL RECORDS ENQUIRY (CRE)

See overpage



	Status	Surv/Comp	Purpose
DP1009961			
Lot(s): 102			
 DP224010	HISTORICAL	SURVEY	SUBDIVISION
 DP1173338	REGISTERED	SURVEY	EASEMENT
DP1265603			
Lot(s): 201			
 DP1276384	PRE-ALLOCATED	UNAVAILABLE	SUBDIVISION
 DP1280398	PRE-ALLOCATED	UNAVAILABLE	SUBDIVISION
 DP1290002	PRE-EXAM	SURVEY	SUBDIVISION
Lot(s): 200, 201			
 DP127769	HISTORICAL	COMPILATION	DEPARTMENTAL
 DP128544	HISTORICAL	COMPILATION	DEPARTMENTAL
 DP1249762	HISTORICAL	SURVEY	SUBDIVISION

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
DP11903	SURVEY	UNRESEARCHED
DP15965	SURVEY	UNRESEARCHED
DP127049	COMPILATION	DEPARTMENTAL
DP511531	COMPILATION	SUBDIVISION
DP519737	SURVEY	OLD SYSTEM CONVERSION
DP535298	SURVEY	RESUMPTION OR ACQUISITION
DP775933	SURVEY	SUBDIVISION
DP853170	SURVEY	CONSOLIDATION
DP1009961	SURVEY	CONSOLIDATION
DP1265603	SURVEY	SUBDIVISION
DP1265603	UNRESEARCHED	SUBDIVISION
SP33610	COMPILATION	STRATA PLAN
SP44488	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.

APPENDIX N – TITLE SEARCH

See overpage



FOLIO: 3/535298

SEARCH DATE	TIME	EDITION NO	DATE
-----	----	-----	----
10/8/2023	4:08 PM	1	22/2/1994

LAND

LOT 3 IN DEPOSITED PLAN 535298

AT ERMINGTON

LOCAL GOVERNMENT AREA CITY OF PARRAMATTA

PARISH OF FIELD OF MARS COUNTY OF CUMBERLAND

TITLE DIAGRAM DP535298

FIRST SCHEDULE

MINISTER FOR EDUCATION

(AP U47161)

SECOND SCHEDULE (1 NOTIFICATION)

1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)

NOTATIONS

UNREGISTERED DEALINGS: NIL

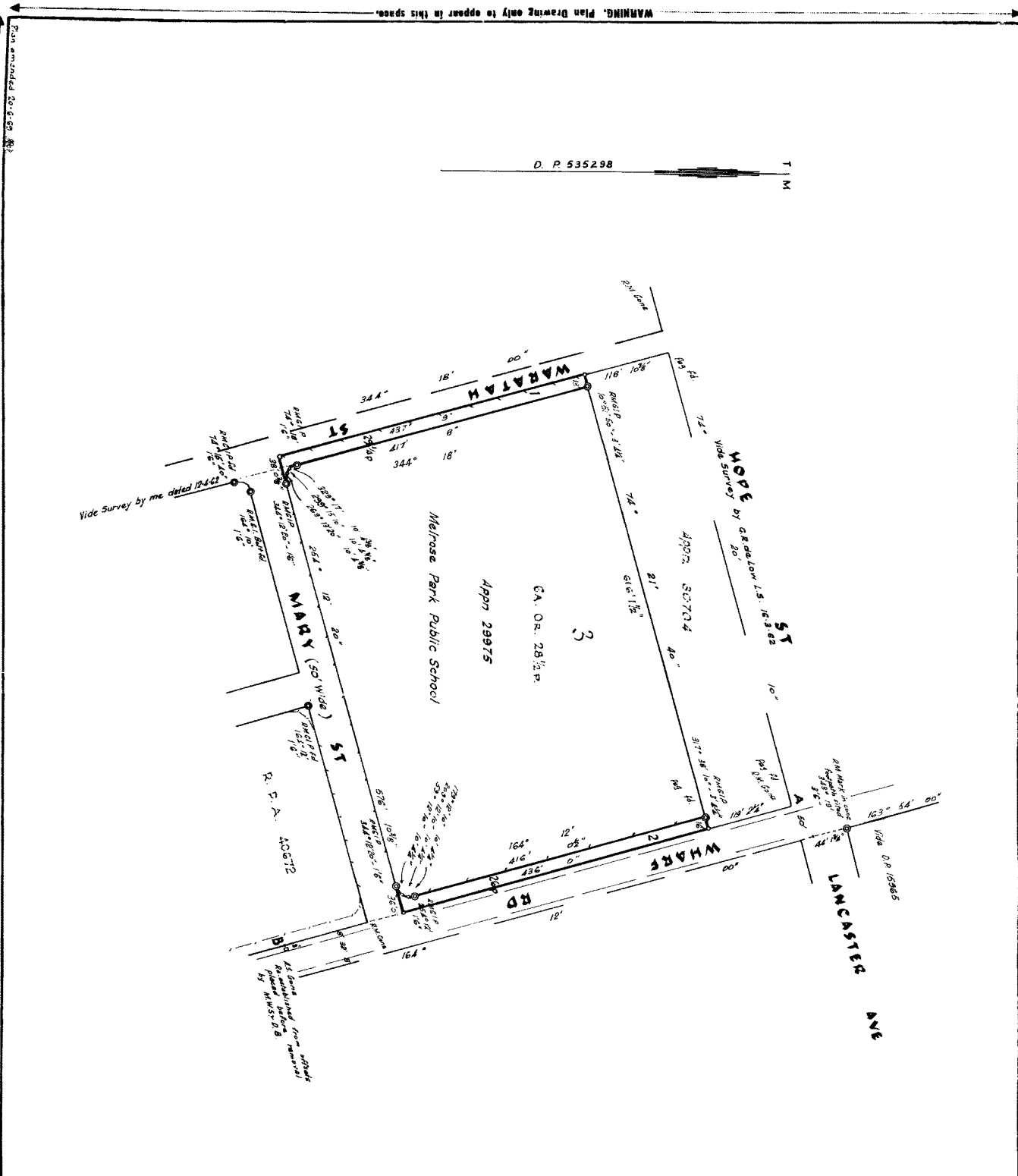
*** END OF SEARCH ***

8942A

PRINTED ON 10/8/2023

APPENDIX P – DEPOSITED PLAN

See overpage



D. P. 535298

Registered: **1993**

Title System: **Torrens**

Purpose: **Resumption**

Ref. Map: **Ermington's Rydalmore Shire**

Last Plan: **F. P. 79975**

PLAN OF SUBDIVISION

PART OF THE LAND IN

APPN 29975 TO BE RESUMED

FOR ROAD PURPOSES

Scale: 100 feet to an inch

Name: **John Patrick O'Keefe**

City: **PARAMATTA**

Locality: **ERMINGTON**

Parish: **FIELD OF MARS**

County: **CUMBERLAND**

I, **John Patrick O'Keefe**, of **121, Marsden St, Paramatta**, a surveyor registered under the Surveyors Act, 1920, do hereby certify that the survey represented in this plan is accurate and has been made: (1) by me; (2) under my immediate supervision; in accordance with the Surveyors Regulations, 1922, and was completed on **17/3/1993**.

Signatures: **John Patrick O'Keefe**

Statements of Dedication, Easements, (Signatures and Seals to appear in panel provided.)

WARNING: GREASING OR FOLDING WILL LEAD TO REJECTION.

SIGNATURES AND SEALS ONLY.

N 0 0 3 E 1 A

REGISTRATION TABLE ADDED IN
REGISTRAR GENERAL'S DEPARTMENT

DP 535298

FEET INCHES	METRES
1	0.457
3	1.022
6	1.524
10	2.540
12	3.048
14	3.556
16	4.064
18	4.572
20	5.080
22	5.588
24	6.096
26	6.604
28	7.112
30	7.620
32	8.128
34	8.636
36	9.144
38	9.652
40	10.160
42	10.668
44	11.176
46	11.684
48	12.192
50	12.700
52	13.208
54	13.716
56	14.224
58	14.732
60	15.240
62	15.748
64	16.256
66	16.764
68	17.272
70	17.780
72	18.288
74	18.796
76	19.304
78	19.812
80	20.320
82	20.828
84	21.336
86	21.844
88	22.352
90	22.860
92	23.368
94	23.876
96	24.384
98	24.892
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102	25.908
104	26.416
106	26.924
108	27.432
110	27.940
112	28.448
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122	30.988
124	31.496
126	32.004
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130	33.020
132	33.528
134	34.036
136	34.544
138	35.052
140	35.560
142	36.068
144	36.576
146	37.084
148	37.592
150	38.100
152	38.608
154	39.116
156	39.624
158	40.132
160	40.640
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164	41.656
166	42.164
168	42.672
170	43.180
172	43.688
174	44.196
176	44.704
178	45.212
180	45.720
182	46.228
184	46.736
186	47.244
188	47.752
190	48.260
192	48.768
194	49.276
196	49.784
198	50.292
200	50.800
202	51.308
204	51.816
206	52.324
208	52.832
210	53.340
212	53.848
214	54.356
216	54.864
218	55.372
220	55.880
222	56.388
224	56.896
226	57.404
228	57.912
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238	60.452
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290	73.660
292	74.168
294	74.676
296	75.184
298	75.692
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302	76.708
304	77.216
306	77.724
308	78.232
310	78.740
312	79.248
314	79.756
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358	90.932
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374	94.996
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412	104.648
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418	106.172
420	106.680
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424	107.696
426	108.204
428	108.712
430	109.220
432	109.728
434	110.236
436	110.744
438	111.252
440	111.760
442	112.268
444	112.776
446	113.284
448	113.792
450	114.300
452	114.808
454	115.316
456	115.824
458	116.332
460	116.840
462	117.348
464	117.856
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468	118.872
470	119.380
472	119.888
474	120.396
476	120.904
478	121.412
480	121.920
482	122.428
484	122.936
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488	123.952
490	124.460
492	124.968
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630	160.020
632	160.528
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642	163.068
644	163.576
646	164.084
648	164.592
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652	165.608
654	166.116
656	166.624
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666	169.164
668	169.672
670	170.180
672	170.688
674	171.196
676	171.704
678	172.212
680	172.720
682	173.228
684	173.736
686	174.244
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830	210.820
832	211.328
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836	212.344
838	212.852
840	213.360
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880	223.520
882	224.028
884	224.536
886	225.044
888	225.552
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896	227.584
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900	228.600
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976	247.904
978	248.412
980	248.920
982	249.428
984	249.936
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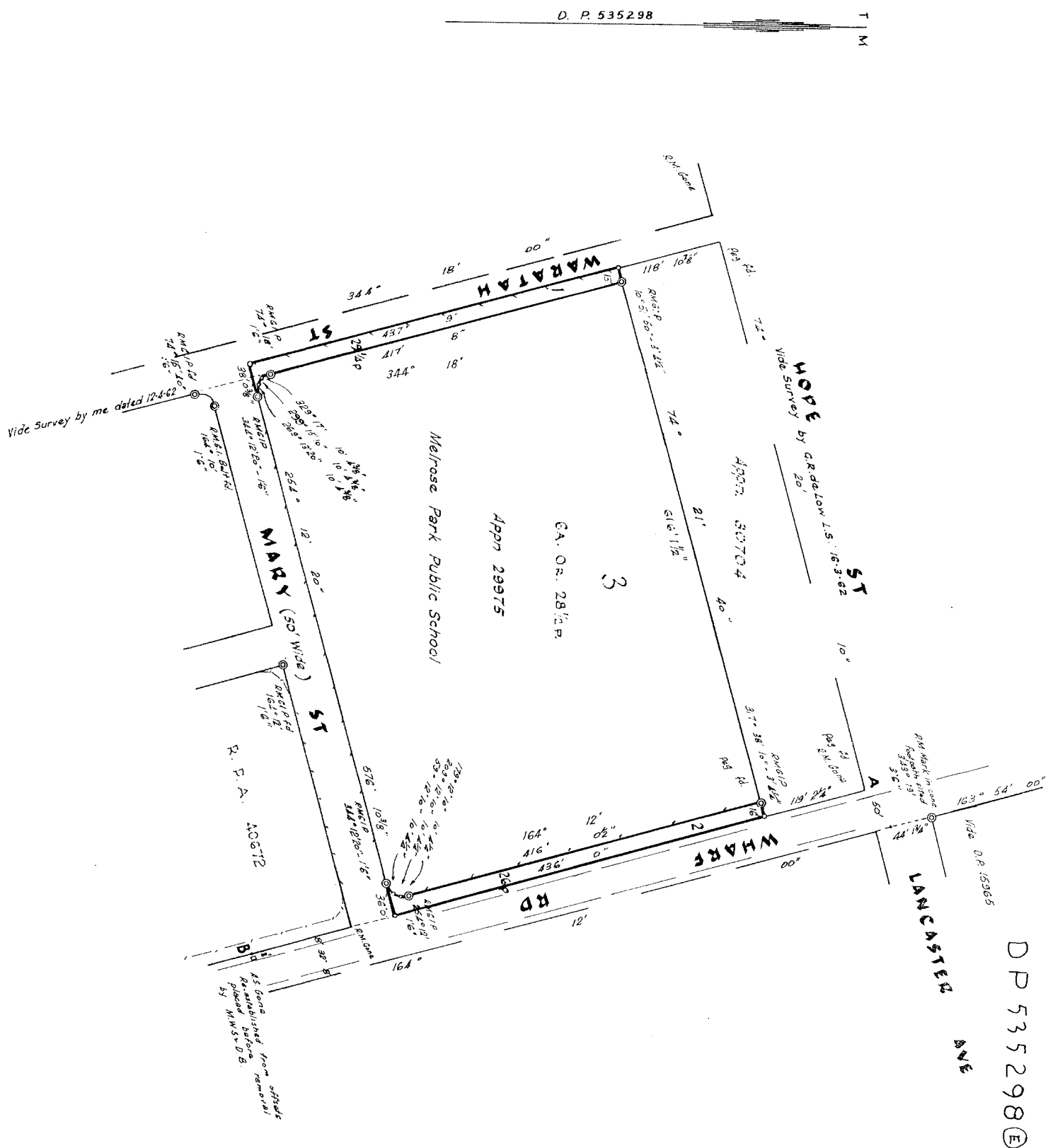
AC RD P SQ M

6 - 28 1/2 2.5

I hereby certify that the requirements of the Land Development Act, 1919 (other than the requirements for registration of plans), have been complied with by the applicant in relation to the proposed subdivision and have verified and set forth.

Subdivision No.

Consent Clerk



DP 535298 E

Registered: *John*
 Title System: *Top*
 Purpose: *Res*
 Ref. Map: *Ermine*
 Last Plan: *F.P. 79*
 PLAN OF SUBDIVISION
 PART OF THE
 APPN 29975
 FOR ROAD PL
 Scale: 100 feet
 Name: *John*
 City: *PARRAM*
 Locality: *ERMIN*
 Parish: *FIELD*
 County: *CUMBE*
 I, *John* *Patric*
 of *121. MATSUDEN, S*
 a surveyor registered under the S
 Act, hereby certify that the sur
 is accurate and has been made
 immediate supervision in accor
 Regulations, 1933, and was comp
 Signature: *John*
 Surveyor registered under Survey
 Datum line of A.M.S. 4-8
 Statements of Dedication
 (Signatures and Seals to SPI)

APPENDIX Q – SCIMS (Survey Control Information Management System) PLANS

See overpage

SCIMS SURVEY MARK REPORT AS AT: 4-SEP-2023

Your Reference: 8942 Search Number: 1096647

MARK NAME STATUS	COORDINATES AND HEIGHTS				CLASS	PU	LU	SOURCE	CSF CONVERGENCE AUSGEOID2020	
SS 59258	Horizontal coordinates are sourced from GDA94 and transformed to GDA2020									
	MGA2020	321657.047	6256269.850	56	B			300001	0.999988	
	GDA2020	-33° 49' 07.53153"		151° 04' 22.84914"					-1° 04' 22.01"	
	GDA2020	Ellipsoidal Height		24.	U			300777		
	AHD71	Normal-Orthometric		1.243	LB			205704	22.796	
PM 33896	Horizontal coordinates are sourced from GDA94 and transformed to GDA2020									
	MGA2020	321605.446	6256847.281	56	B			300001	0.999986	
	GDA2020	-33° 48' 48.76215"		151° 04' 21.26342"					-1° 04' 22.37"	
	DESTROYED	GDA2020	Ellipsoidal Height		39.	U			300780	
		AHD71	Normal-Orthometric		16.45	D			233189	22.814
PM 84612	Horizontal coordinates are sourced from GDA94 and transformed to GDA2020									
	MGA2020	321605.618	6256846.809	56	C			300001	0.999986	
	GDA2020	-33° 48' 48.77758"		151° 04' 21.26979"					-1° 04' 22.37"	
	GDA2020	Ellipsoidal Height		40.	U			300778		
	AHD71	Normal-Orthometric		17.	U			300564	22.814	



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 59258					
Status	Date	Comments			
Location	Monument	Date Placed	Placed By		
GROUND LEVEL	UNKNOWN				

MGA2020/GDA2020					
Horizontal coordinates are sourced from GDA94 and transformed to GDA2020					
MGA2020 Easting	MGA2020 Northing	Zone	GDA2020 Latitude	GDA2020 Longitude	
321657.047	6256269.850	56	-33° 49' 07.53153"	151° 04' 22.84914"	
Class	Positional Uncertainty	Local Uncertainty		GDA2020 Updated	
B				24-JUN-2019	
Source	Type	Method	Date issued	Issued By	
300001	TRANSFORMATION	NTV2-2017 CPD	24-JUN-2019	n/a	
Previous Reference		Location			File Number
n/a		n/a			n/a
Comments					
n/a					
MGA2020 Combined Scale Factor			MGA2020 Convergence		
0.999988			-1° 04' 22.01"		

AusGeoid2020(N)					
22.796					

GDA2020 Ellipsoidal Height					
Height					
24.					
Class	Positional Uncertainty	Local Uncertainty		Ellipsoidal Height Updated	
U				15-NOV-2021	
Source	Type	Method	Date issued	Issued By	
300777	COMPUTATION	MANUAL	15-NOV-2021	JONATHON SMITH	
Previous Reference		Location			File Number
n/a		n/a			n/a
Comments					
GDA2020 ELLIPSOIDAL HEIGHTS DERIVED USING AUSGEOID2020 FROM AHD71 SPIRIT LEVELLING					

AHD71					
Height					
1.243					
Class	Positional Uncertainty	Local Uncertainty		AHD Updated	
LB				17-AUG-1993	
Source	Type	Method	Date issued	Issued By	
205704	HEIGHTING	UNKNOWN	17-AUG-1993	n/a	
Previous Reference		Location			File Number
89096		n/a			n/a
Comments					
n/a					

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

D.P.



PM
SSM 59258

Description

LOCALITY SKETCH PLAN

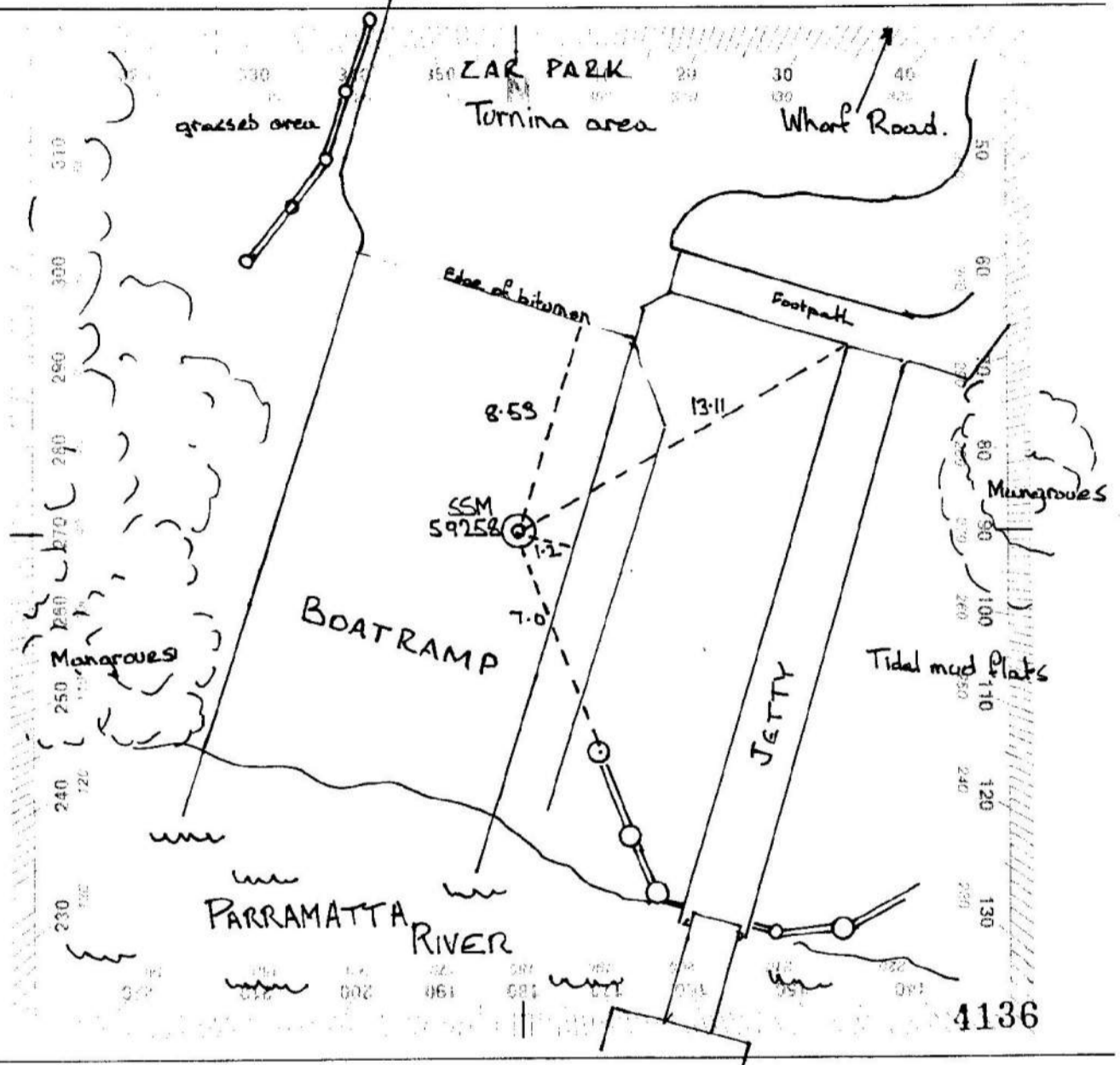
Parish **FIELD OF MARS** County **Cumberland** Town/Suburb/Locality **ERMINGTON**

Municipality or Shire **PARRAMATTA** C.M.A. Map Sheet **PARRAMATTA 40052/6**

ID: 613

Zone **56.1**

Measurements are in metres



Organization placing Marks **S.C.B**

Ref.

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



S.O. 2019

PM
SSM 59258

Replaces PM
SSM

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

Mark placed **1 / 5 / 1989**

H. B. Borden

SURVEY MARK					
Mark	Name		Alias		
PM 33896					
Status	Date	Comments			
DESTROYED					
Location	Monument	Date Placed	Placed By		
GROUND LEVEL	UNKNOWN				

MGA2020/GDA2020					
Horizontal coordinates are sourced from GDA94 and transformed to GDA2020					
MGA2020 Easting	MGA2020 Northing	Zone	GDA2020 Latitude	GDA2020 Longitude	
321605.446	6256847.281	56	-33° 48' 48.76215"	151° 04' 21.26342"	
Class	Positional Uncertainty	Local Uncertainty		GDA2020 Updated	
B				24-JUN-2019	
Source	Type	Method	Date issued	Issued By	
300001	TRANSFORMATION	NTV2-2017 CPD	24-JUN-2019	n/a	
Previous Reference		Location			File Number
n/a		n/a			n/a
Comments					
n/a					
MGA2020 Combined Scale Factor			MGA2020 Convergence		
0.999986			-1° 04' 22.37"		

AusGeoid2020(N)					
22.814					

GDA2020 Ellipsoidal Height					
Height					
39.					
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					
16.45					
Class	Positional Uncertainty	Local Uncertainty	AHD Updated		
D			9-APR-2008		
Source	Type	Method	Date issued	Issued By	
233189	HEIGHTING	LEVADJ	9-APR-2008	RODNEY SPINKS	
Previous Reference		Location			File Number
84100		n/a			n/a
Comments					
RYDE EPPING SUBSIDUARIES TRIG LEVEL TRANSACTION NO 73733					



PM No. 33895-6

SSM No.

S.C.

LOCALITY SKETCH PLAN

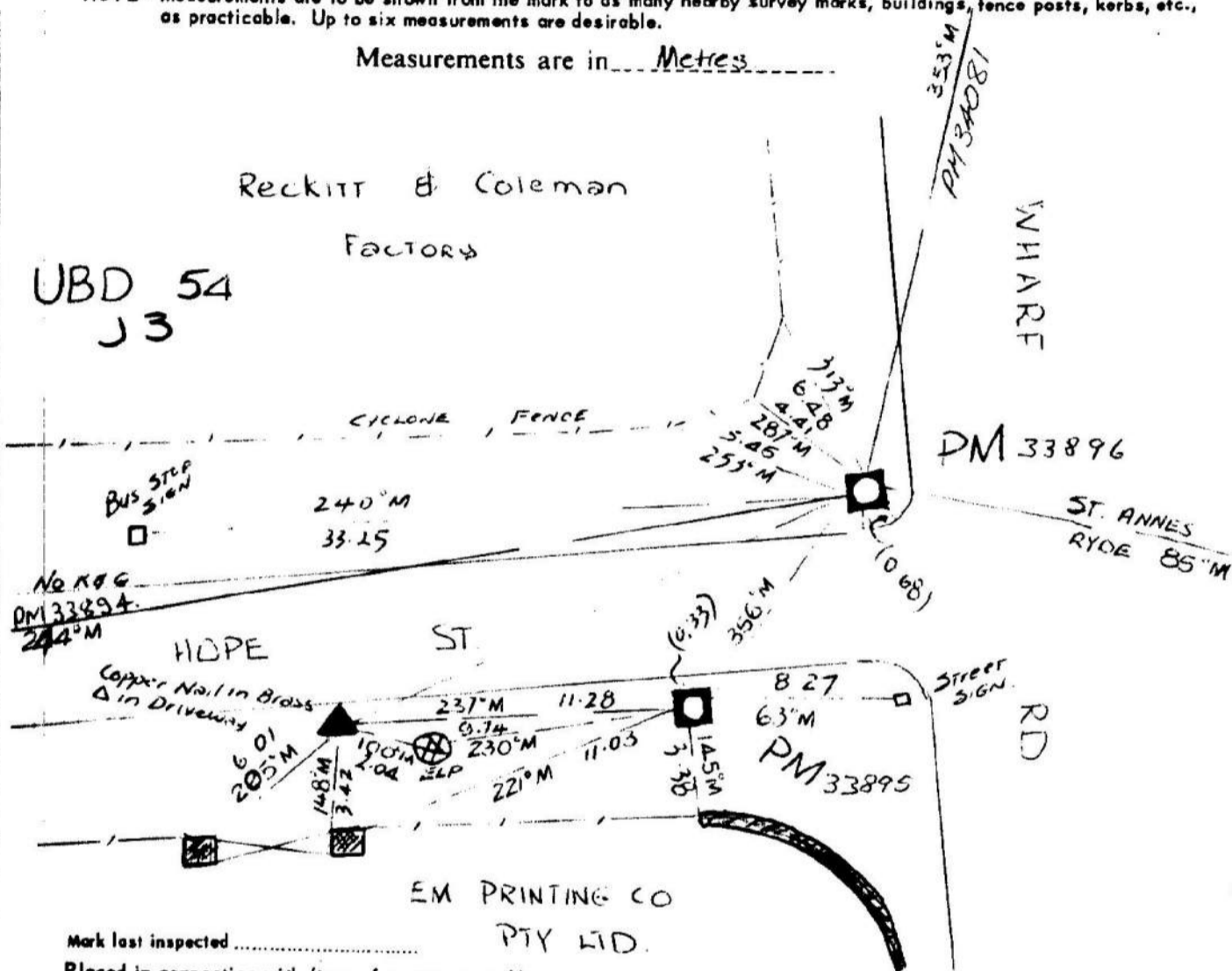
(To be drawn in black waterproof ink, or HB pencil, not necessarily to scale.)

Parish _____ County _____ City or Town Ermington

Municipality or Shire _____ Survey Area _____

Zone _____ Map Sheet Parramatta 0052 Aerial Photograph N.S.W. _____

NOTE - Measurements are to be shown from the mark to as many nearby survey marks, buildings, fence posts, kerbs, etc., as practicable. Up to six measurements are desirable.

Measurements are in Metres

Mark last inspected _____

Placed in connection with (type of survey or work) _____

Co-ordinate values of mark _____

Projection _____

Origin _____

Reduced level of mark _____

to Datum _____

Inspection Book No. 1591 Fol. 17Site selected by J. KWASNICAMark placed by J. C. ALBRIGHTLocality sketch drawn by J. KWASNICA

Locality sketch put into use by _____

Date 13 3 75 PROVISIONAL SKETCH ONLYDate 10 9 74

Date _____

PM No. 33895-6
SSM No.Officer-in-Charge
Survey Co-ordination Branch

SURVEY MARK					
Mark	Name		Alias		
PM 84612					
Status	Date	Comments			
Location	Monument	Date Placed	Placed By		
GROUND LEVEL	UNKNOWN				

MGA2020/GDA2020					
Horizontal coordinates are sourced from GDA94 and transformed to GDA2020					
MGA2020 Easting	MGA2020 Northing	Zone	GDA2020 Latitude	GDA2020 Longitude	
321605.618	6256846.809	56	-33° 48' 48.77758"	151° 04' 21.26979"	
Class	Positional Uncertainty	Local Uncertainty		GDA2020 Updated	
C				24-JUN-2019	
Source	Type	Method	Date issued	Issued By	
300001	TRANSFORMATION	NTV2-2017 CPD	24-JUN-2019	n/a	
Previous Reference		Location			File Number
n/a		n/a			n/a
Comments					
n/a					
MGA2020 Combined Scale Factor			MGA2020 Convergence		
0.999986			-1° 04' 22.37"		

AusGeoid2020(N)					
22.814					

GDA2020 Ellipsoidal Height					
Height					
40.					
Class	Positional Uncertainty	Local Uncertainty	Ellipsoidal Height Updated		
U			15-NOV-2021		
Source	Type	Method	Date issued	Issued By	
300778	COMPUTATION	MANUAL	15-NOV-2021	JONATHON SMITH	
Previous Reference		Location			File Number
n/a		n/a			n/a
Comments					
GDA2020 ELLIPSOIDAL HEIGHTS DERIVED USING AUSGEOID2020 FROM AHD71 DIGITAL ELEVATION MODEL					

AHD71					
Height					
17.					
Class	Positional Uncertainty	Local Uncertainty	AHD Updated		
U			11-MAY-2021		
Source	Type	Method	Date issued	Issued By	
300564	COMPUTATION	MANUAL	11-MAY-2021	JONATHON SMITH	
Previous Reference		Location			File Number
n/a		n/a			n/a
Comments					
AHD71 CLASS U HEIGHT UPDATE FROM NSW DIGITAL ELEVATION MODEL					



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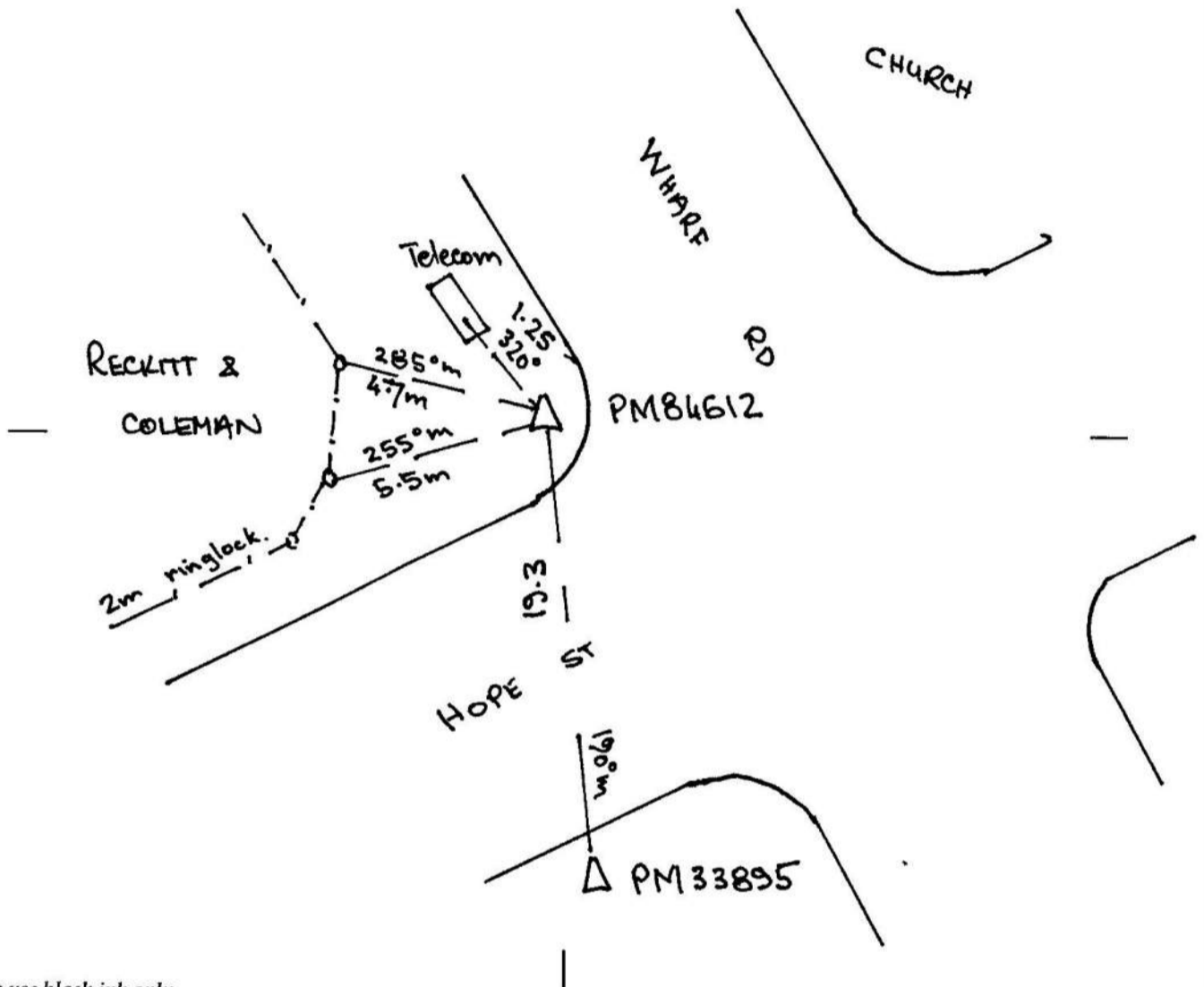
LOCALITY SKETCH PLAN

PM 84612

SSM

Description

Parish County Cumberland Town/Suburb/Locality Melrose Park.
Local Government Area RYDE LIC Map Sheet Parramatta 0052-62



Please use black ink only

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

Measurements are in metres

PM 84612

SSM

PM 33896

Replaces

SSM

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

Signed

Signed

Mark placed

2/12/97

Organization placing marks

L.I.C.

Ref

LSP 95

APPENDIX R – ON POINT UTILITY SERVICE LOCATION PLANS

See overpage



CUSTOMER	SDG PO BOX 2572 NORTH PARRAMATTA	SITE	Melrose Park Public School
		CONTACT	Jonothan ☎ +61417130260

JOB #8455		JOB REPORT	
JOB TYPE	Utility Locating	TECHNICIAN	Joshua Vanderlugt
SCHEDULED	10/10/2023 - 07:00 AM	JOB COMPLETED	10/10/2023 - 12:39 PM
SCHEDULED DURATION	08h00	COMPLETED DURATION	05h39

DESCRIPTION

Normal Utility Locating

WORK PERFORMED.

METHODOLOGY.	Electromagnetic Locating (QL-B); GPR (QL-D); Induction sweep; Passive Scanning; Sonde / Rodder
DAY WORKS - NIGHT WORKS.	Day

FINDINGS AND QUALITY LEVEL.

SERVICES MARKED AS (QL-B)	High Pressure Gas (Jemena); Water Main (Sydney Water); Telstra; Optus Fibre; NBN; Electricity Main(Endeavour); House Connections (Gas); House Connections (Water); House Connections (Comms); House Connections (Sewer); House Connections (Electricity)
SERVICES MARKED AS (QL-D)	Unknown
SERVICES UNABLE TO BE FOUND AND REQUIRE FURTHER INVESTIGATION OR POTHOLING .	
LOCATORS COMMENTS.	Locate services inside school including water, gas, communications and electrical feeds to classrooms and offices using electromagnetic methods Locate sewer from toilet block using sonde/rodde and electromagnetic methods Locate HP gas main in wharf road using electromagnetic methods Locate water main in Mary street using electromagnetic methods Locate Telstra mains on wharf road Locate Telstra crossing on mary street Locate unknowns using GPR inside and outside of school
ADDITIONAL COMMENTS.	-

SCOPE OF WORKS.

SITE INFORMATION AND RISK ASSESSMENT.

HAVE YOU EXPLAINED TO THE CLIENT THAT THERE IS NO WAY TO ELIMINATE ALL RISK ONSITE AND THAT OUR SERVICE IS TO MINIMISE RISK , NOT ELIMINATE THEIR RISK ?	Yes	IF SO , WHAT ARE THE SERVICES YOU RECOMMEND SHOULD BE POTHOLED ?	-
HAS A WALK THROUGH BEEN COMPLETED WITH THE CLIENT OR THEIR REPRESENTATIVE ?	Yes	HAVE YOU ADVISED THE CLIENT OR THEIR REPRESENTATIVE ?	Yes
WERE THERE ANY PLANS AVAILABLE ONSITE ?	DBYD; Survey	DOES THE CLIENT REQUIRE A " STAND BY " DUE TO A MAJOR UTILITY BEING IN THE VICINITY OF THE WORKS ?	Yes
IS POTHOLING REQUIRED TO PROVE THE DEPTHS OR POSITION OF ANY OF THE SERVICES MARKED BY ON POINT ?	Yes	HAVE YOU ADVISED THE CLIENT ON WHAT THE UTILITY IS , WHO OWNS IT AND WHAT THE REQUIREMENTS ARE WHEN WORKING AROUND THE ASSET ?	Yes
		DO WE NEED TO RETURN TO SITE TO COMPLETE THE CURRENT JOB ?	No

There is no way to eliminate all risk onsite .
Our service is to minimise your risk , not eliminate your risk.

Please read this report carefully.
If you do not understand it you must call On Point on 1300 66 76 46

SIGNATURES



On Point Utility Locating Pty Ltd
(Joshua Vanderlugt)
Josh

PICTURES



