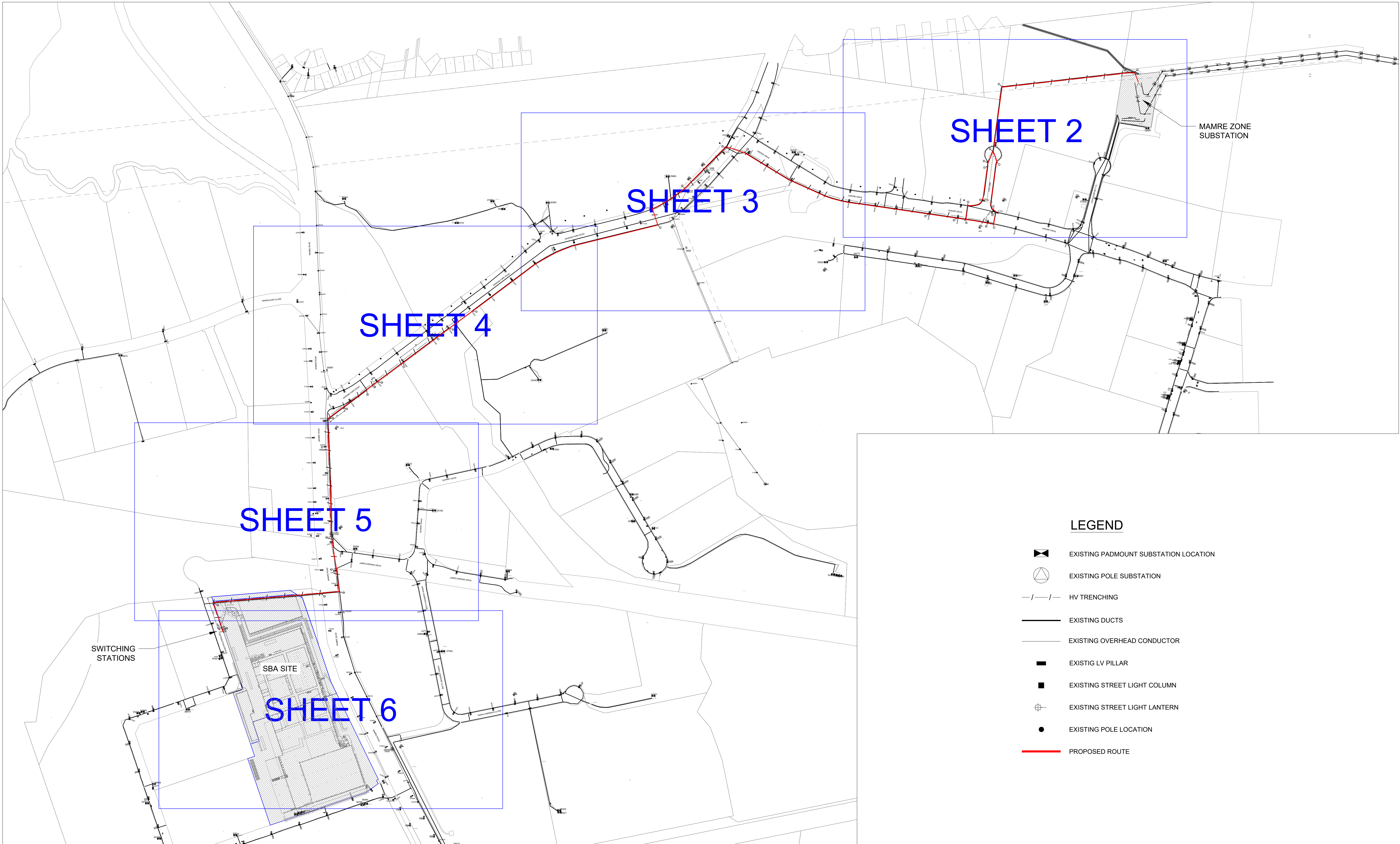




GENERAL SITE PLAN - SCALE 1:4000

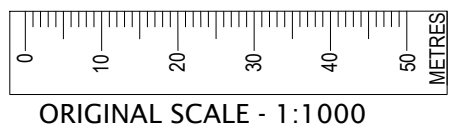
LEGEND

- EXISTING PADMOUNT SUBSTATION LOCATION
- EXISTING POLE SUBSTATION
- HV TRENCHING
- EXISTING DUCTS
- EXISTING OVERHEAD CONDUCTOR
- EXISTIG LV PILLAR
- EXISTING STREET LIGHT COLUMN
- EXISTING STREET LIGHT LANTERN
- EXISTING POLE LOCATION
- PROPOSED ROUTE

LEGEND

- EXISTING PADMOUNT SUBSTATION LOCATION
- EXISTING POLE SUBSTATION
- HV TRENCHING
- EXISTING DUCTS
- EXISTING OVERHEAD CONDUCTOR
- EXISTIG LV PILLAR
- EXISTING STREET LIGHT COLUMN
- EXISTING STREET LIGHT LANTERN
- EXISTING POLE LOCATION

SITE PLAN - SHEET 2



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AMENDMENTS	ORIGINAL	ISSUE
A		DRAFT No. 01

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E: info@edgewaterconnections.com.au
W: www.edgewaterconnections.com.au
Design Ref: 4111



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REFERENCE DRAWING'S	

WORK ORDERS	
GENERAL	
OVERHEAD	
UNDERGROUND	
SUBSTATIONS	

CAP / SAMP No.	UIL5893
AM PROJ. No.	2020/00682/002
HV SWITCHING	
UBD/PENGUIN REF	
GIS MAP No	U73526
HV OP DIAGRAM	MAMRE E5
LOCAL GOV AREA	PENRITH CITY COUNCIL

	ORIGINAL SCALE N/A
DRAWN	O.B.
DATE	28/06/2021
CH'D	S.A.

DO NOT SCALE DIMENSIONS IN METRES	
DESIGN	O.B.

LOT 10 DP 271141
14 DISTRIBUTION PLACE
ORCHARD HILLS
UIL5893
NEW HVC CONNECTION



A1

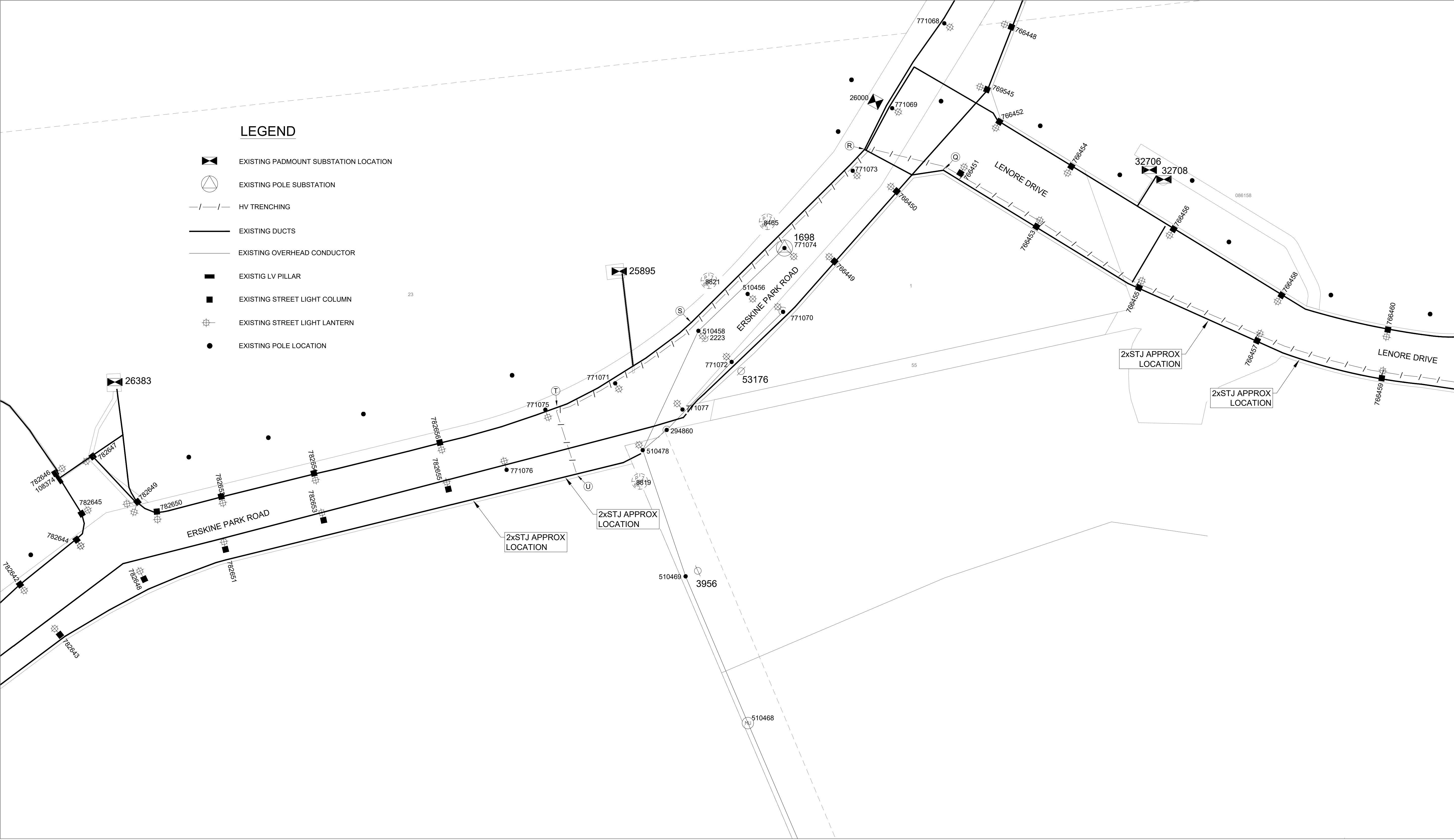
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A

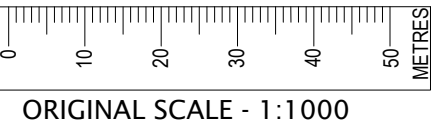
SHEET No 2 OF 9 SHEETS

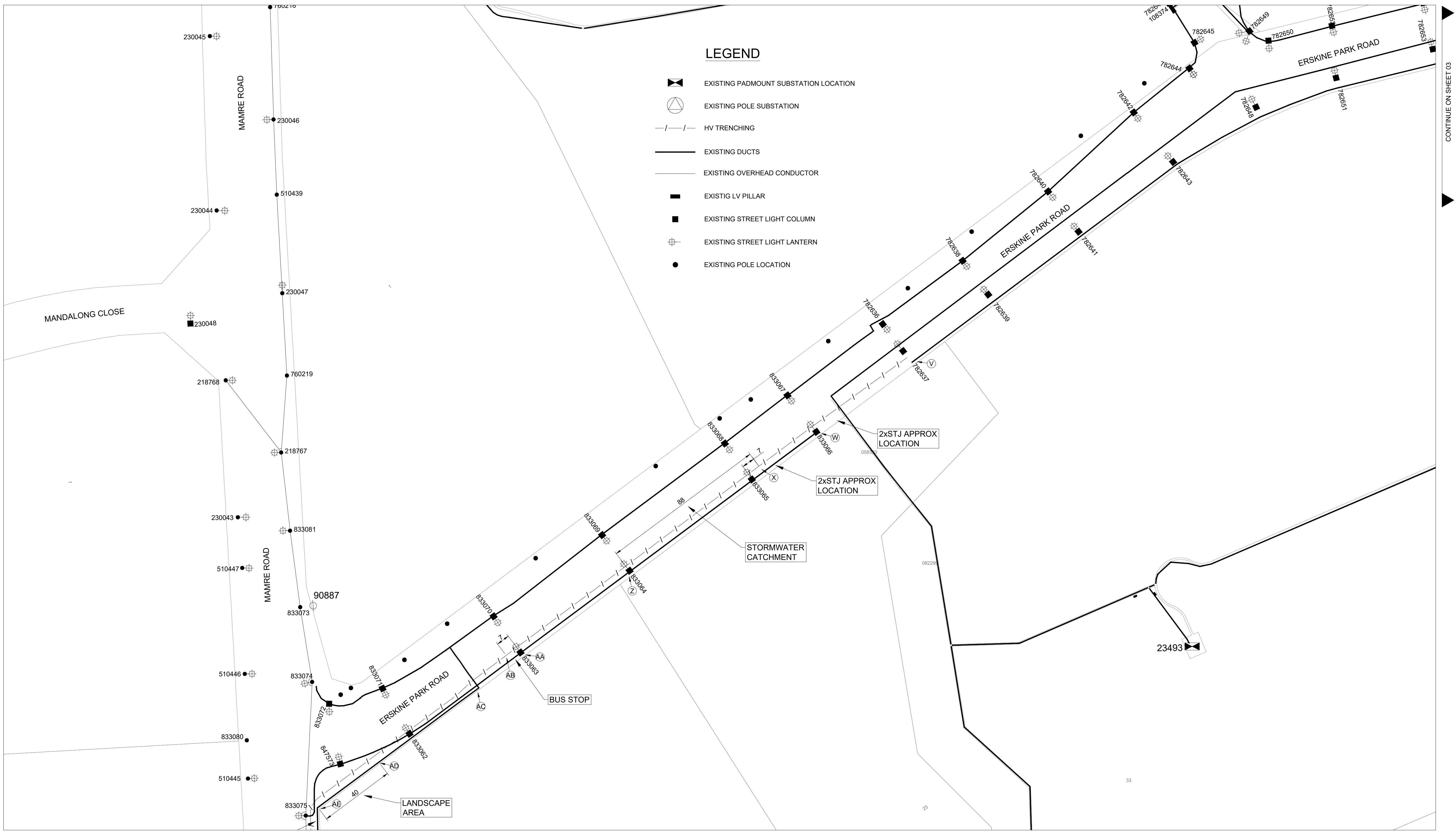
LEGEND

- EXISTING PADMOUNT SUBSTATION LOCATION
- EXISTING POLE SUBSTATION
- HV TRENCHING
- EXISTING DUCTS
- EXISTING OVERHEAD CONDUCTOR
- EXISTIG LV PILLAR
- EXISTING STREET LIGHT COLUMN
- EXISTING STREET LIGHT LANTERN
- EXISTING POLE LOCATION

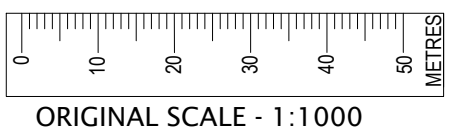


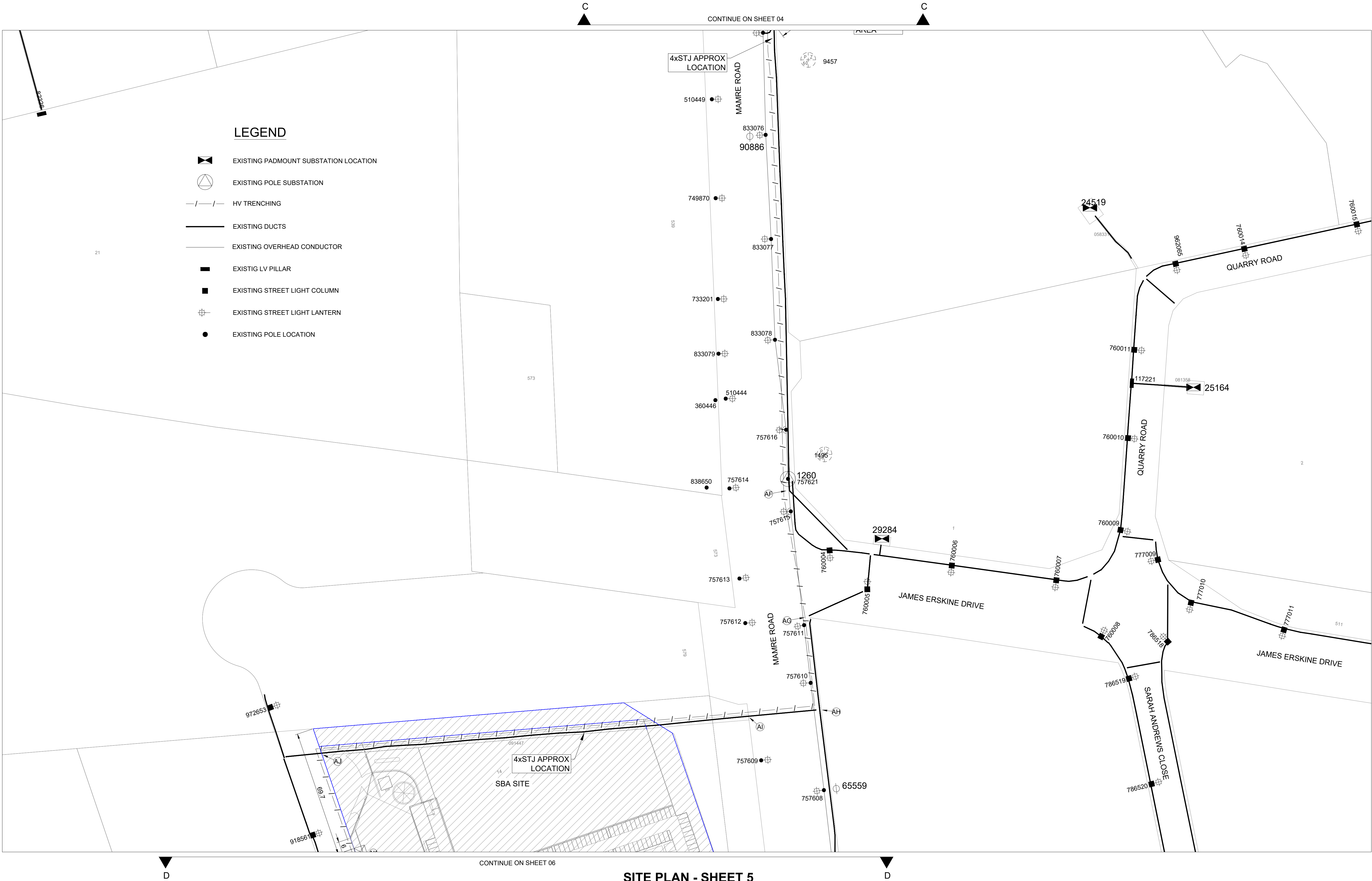
SITE PLAN - SHEET 3



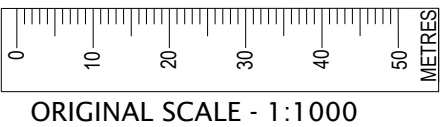


SITE PLAN - SHEET 4





SITE PLAN - SHEET 5



AMENDMENTS

ORIGINAL

ISSUE

DRAFT No. 01

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TEMPLATE VERSION No 5.0

REFERENCE DRAWING'S

GENERAL

OVERHEAD

UNDERGROUND

SUBSTATIONS

WORK ORDERS

CAP / SAMP No.

UIL5893

AM PROJ. No.

2020/00682/002

HV SWITCHING

UBD/PENGUIN REF

GIS MAP No

U73526

HV OP DIAGRAM

MAMRE E5

LOCAL GOV AREA

PENRITH CITY COUNCIL

ORIGINAL SCALE

N/A

DRAWN

O.B.

DATE

28/06/2021

CH'D

S.A.

DESIGN

O.B.

DO NOT SCALE DIMENSIONS IN METRES

LOT 10 DP 27114.1

14 DISTRIBUTION PLACE

ORCHARD HILLS

UIL5893

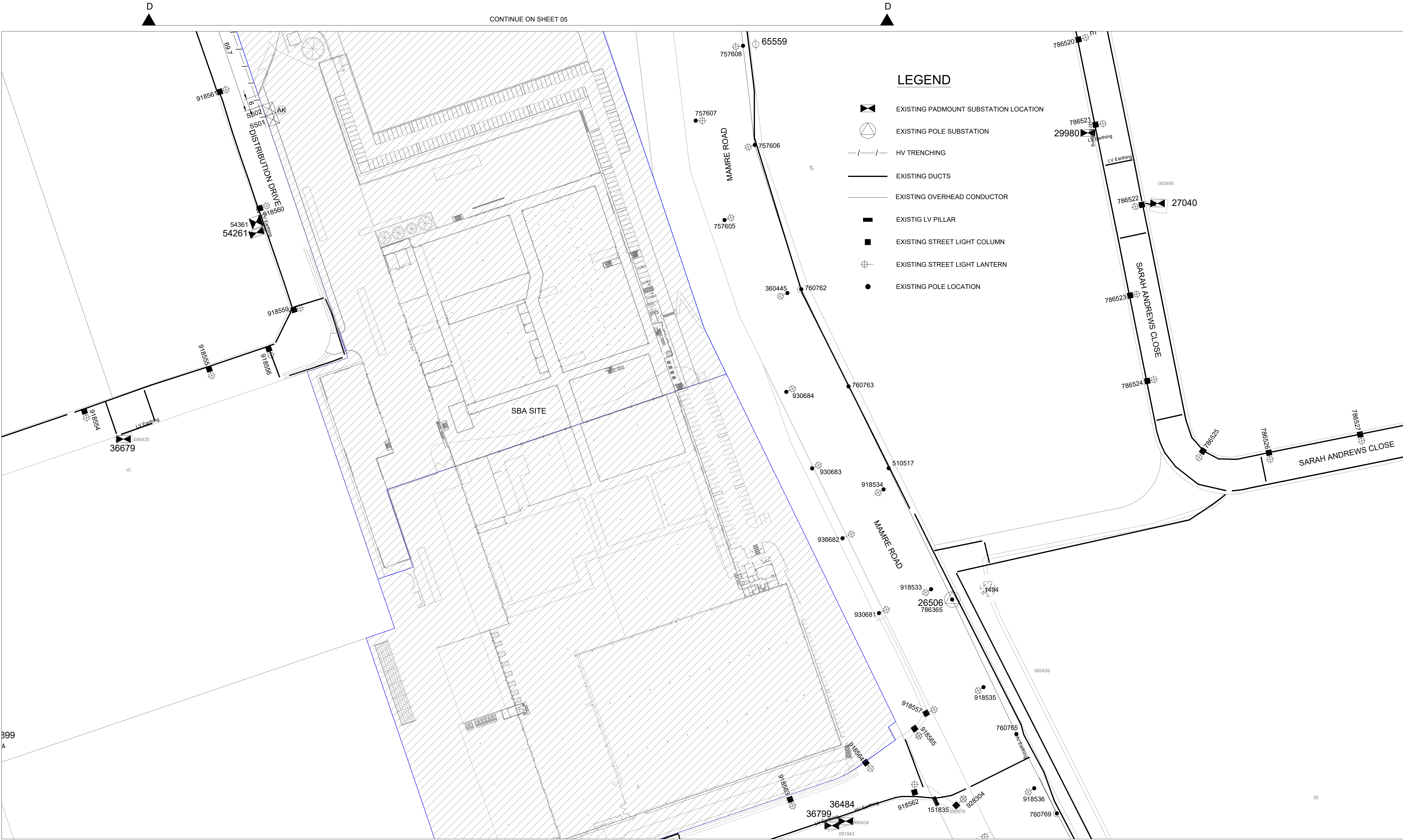
NEW HVC CONNECTION

A1

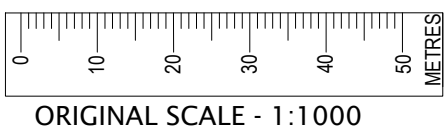
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A

SHEET No 5 OF 9 SHEETS



SITE PLAN - SHEET 2



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AMENDMENTS	ORIGINAL	ISSUE
A		01
DRAFT No.		

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REFERENCE DRAWING'S	

WORK ORDERS	
GENERAL	
OVERHEAD	
UNDERGROUND	
SUBSTATIONS	

CAP / SAMP No.	UIL5893
AM PROJ. No.	2020/00682/002
HV SWITCHING	
UBD/PENGUIN REF	
GIS MAP No	U73526
HV OP DIAGRAM	MAMRE E5
LOCAL GOV AREA	PENRITH CITY COUNCIL

ORIGINAL SCALE	N/A
DRAWN	O.B.
DATE	28/06/2021
CH'D	S.A.

DO NOT SCALE DIMENSIONS IN METRES	
DESIGN	O.B.

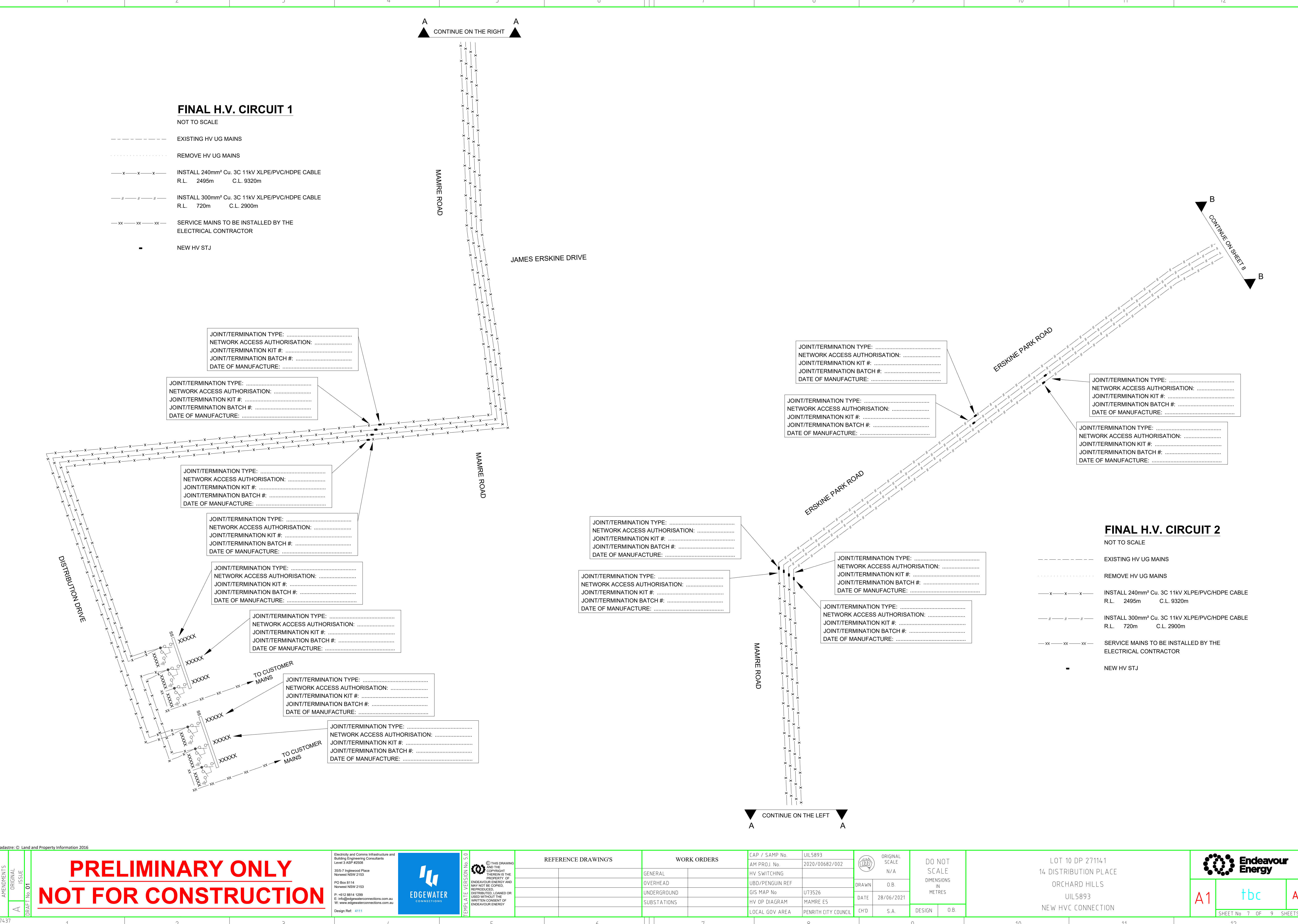
LOT 10 DP 271141
14 DISTRIBUTION PLACE
ORCHARD HILLS
UIL5893
NEW HVC CONNECTION

A1

tbc

A

SHEET No 6 OF 9 SHEETS



FINAL H.V. CIRCUIT 3

NOT TO SCALE

- EXISTING HV UG MAINS
- REMOVE HV UG MAINS
- INSTALL 240mm² Cu. 3C 11kV XLPE/PVC/HDPE CABLE
R.L. 2495m C.L. 9320m
- INSTALL 300mm² Cu. 3C 11kV XLPE/PVC/HDPE CABLE
R.L. 720m C.L. 2900m
- SERVICE MAINS TO BE INSTALLED BY THE ELECTRICAL CONTRACTOR
- NEW HV STJ

JOINT/TERMINATION TYPE:
NETWORK ACCESS AUTHORISATION:
JOINT/TERMINATION KIT #:
JOINT/TERMINATION BATCH #:
DATE OF MANUFACTURE:

JOINT/TERMINATION TYPE:
NETWORK ACCESS AUTHORISATION:
JOINT/TERMINATION KIT #:
JOINT/TERMINATION BATCH #:
DATE OF MANUFACTURE:

JOINT/TERMINATION TYPE:
NETWORK ACCESS AUTHORISATION:
JOINT/TERMINATION KIT #:
JOINT/TERMINATION BATCH #:
DATE OF MANUFACTURE:

JOINT/TERMINATION TYPE:
NETWORK ACCESS AUTHORISATION:
JOINT/TERMINATION KIT #:
JOINT/TERMINATION BATCH #:
DATE OF MANUFACTURE:

JOINT/TERMINATION TYPE:
NETWORK ACCESS AUTHORISATION:
JOINT/TERMINATION KIT #:
JOINT/TERMINATION BATCH #:
DATE OF MANUFACTURE:

JOINT/TERMINATION TYPE:
NETWORK ACCESS AUTHORISATION:
JOINT/TERMINATION KIT #:
JOINT/TERMINATION BATCH #:
DATE OF MANUFACTURE:

JOINT/TERMINATION TYPE:
NETWORK ACCESS AUTHORISATION:
JOINT/TERMINATION KIT #:
JOINT/TERMINATION BATCH #:
DATE OF MANUFACTURE:

JOINT/TERMINATION TYPE:
NETWORK ACCESS AUTHORISATION:
JOINT/TERMINATION KIT #:
JOINT/TERMINATION BATCH #:
DATE OF MANUFACTURE:

ENDEAVOUR ENERGY REQUIRES TO FUND COST TO DOUBLE CABLE EXISTING FEEDERS MM1222 AND MM1232 ON CB MM1222 IN ORDER TO MAKE CB MM1232 ON BUS SECTION 2A SPARE FOR CONNECTION OF FEEDER SNACK BRANDS NO.2

WORKS ASSOCIATED WITH CABLE TERMINATION IS CUSTOMER FUNDED NON-CONTESTABLE WORKS.

JOINT/TERMINATION TYPE:
NETWORK ACCESS AUTHORISATION:
JOINT/TERMINATION KIT #:
JOINT/TERMINATION BATCH #:
DATE OF MANUFACTURE:

ENDEAVOUR ENERGY REQUIRES TO FUND COST TO DOUBLE CABLE EXISTING FEEDERS MM1292 AND MM1282 ON CB MM1292 IN ORDER TO MAKE CB MM1282 ON BUS SECTION 2B SPARE FOR CONNECTION OF FEEDER SNACK BRANDS NO.3.

WORKS ASSOCIATED WITH CABLE TERMINATION IS CUSTOMER FUNDED NON-CONTESTABLE WORKS.

JOINT/TERMINATION TYPE:
NETWORK ACCESS AUTHORISATION:
JOINT/TERMINATION KIT #:
JOINT/TERMINATION BATCH #:
DATE OF MANUFACTURE:

JOINT/TERMINATION TYPE:
NETWORK ACCESS AUTHORISATION:
JOINT/TERMINATION KIT #:
JOINT/TERMINATION BATCH #:
DATE OF MANUFACTURE:

PREVIOUSLY LENORE LN EAST

NEW HV CABLE INSTALLED BY ASP/1 TO BE DOUBLE CABLE TERMINATED ON CB MM1282. WORKS ASSOCIATED WITH CABLE TERMINATION IS CUSTOMER FUNDED NON-CONTESTABLE WORKS.

PREVIOUSLY BLUESCOPE STEEL No2

NEW HV CABLE INSTALLED BY ASP/1 TO BE DOUBLE CABLE TERMINATED ON CB MM1232. WORKS ASSOCIATED WITH CABLE TERMINATION IS CUSTOMER FUNDED NON-CONTESTABLE WORKS.

JOINT/TERMINATION TYPE:
NETWORK ACCESS AUTHORISATION:
JOINT/TERMINATION KIT #:
JOINT/TERMINATION BATCH #:
DATE OF MANUFACTURE:

FINAL H.V. CIRCUIT 4

NOT TO SCALE

- EXISTING HV UG MAINS
- REMOVE HV UG MAINS
- INSTALL 240mm² Cu. 3C 11kV XLPE/PVC/HDPE CABLE
R.L. 2495m C.L. 9320m
- INSTALL 300mm² Cu. 3C 11kV XLPE/PVC/HDPE CABLE
R.L. 720m C.L. 2900m
- SERVICE MAINS TO BE INSTALLED BY THE ELECTRICAL CONTRACTOR
- NEW HV STJ

REFERENCE DRAWING'S		WORK ORDERS		CAP / SAMP No.	UIL5893
	GENERAL			AM PROJ. No.	2020/00682/002
	OVERHEAD			HV SWITCHING	
	UNDERGROUND			UBD/PENGUIN REF	
	SUBSTATIONS			GIS MAP No	U73526
				HV OP DIAGRAM	MAMRE E5
				LOCAL GOV AREA	PENRITH CITY COUNCIL

ORIGINAL SCALE	N/A
DRAWN	O.B.
DATE	28/06/2021
CH'D	S.A.
DESIGN	O.B.

LOT 10 DP 271141
14 DISTRIBUTION PLACE
ORCHARD HILLS
UIL5893
NEW HVC CONNECTION



A1

tbc

A

SHEET No 8 OF 9 SHEETS

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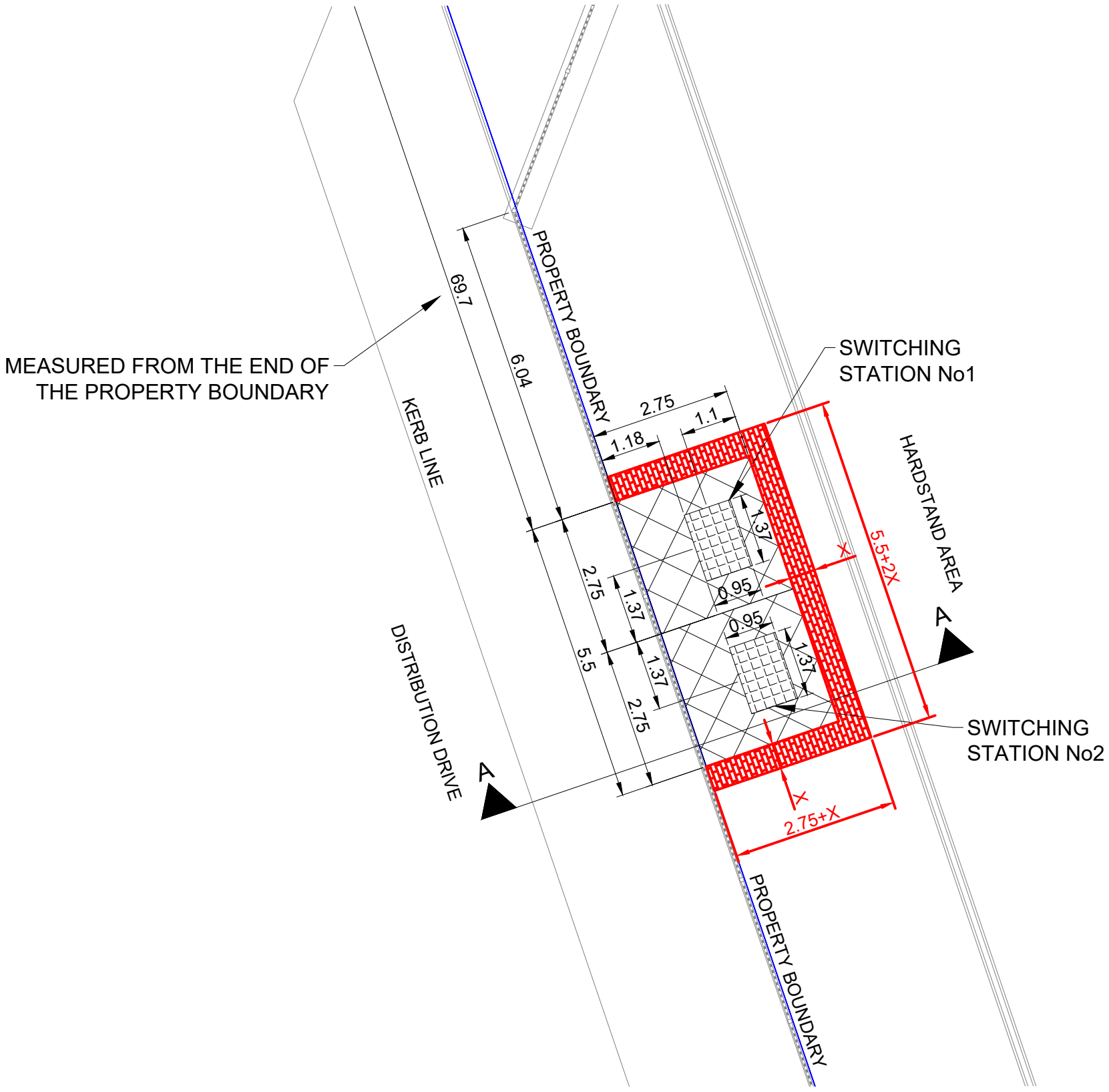
Electricity and Comm Infrastructure and Building Engineering Consultants
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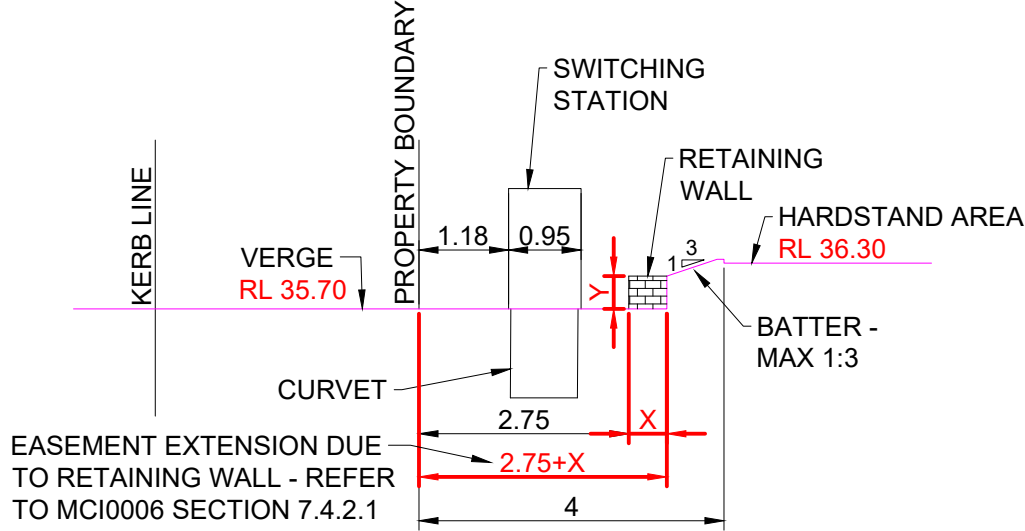
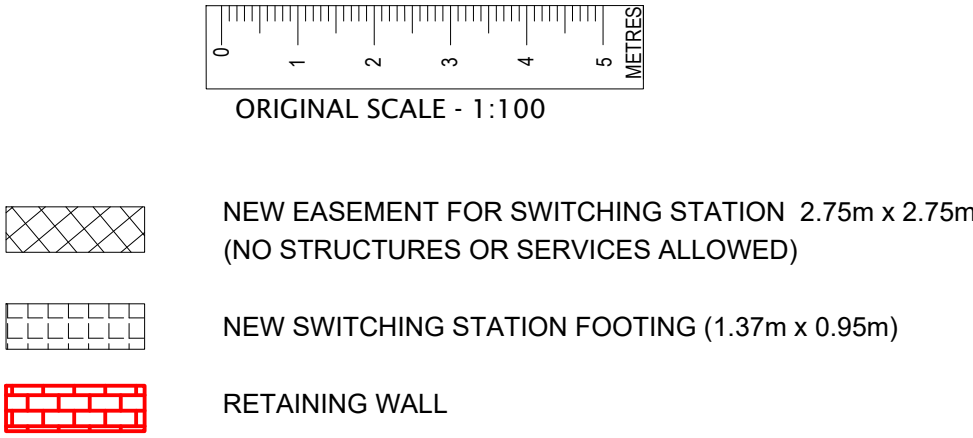
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DUCTING SCHEDULE					
ROUTE	CONFIGURATION		ROUTE LENGTH	EE REIMBURSEMENT CHARGES	EXISTING DUCT USAGE CHARGES
A - B	NEW EXISTING	EXISTING 6x125mm DUCT 4x HV CABLES IN 125mm DUCT NEW INSTALL 4x125mm DUCTS RUN 4x NEW HV CABLES IN 125mm DUCT	14m	NIL	NIL
B - C	NEW EXISTING	EXISTING UNDERBORE 6x125mm DUCT 4x HV CABLES IN 125mm DUCT NEW UNDERBORE INSTALL 6x125mm DUCTS RUN 4x NEW HV CABLES IN 125mm DUCT	280m	NIL	NIL
C - D	NEW EXISTING	EXISTING UNDERBORE 10x125mm DUCT 4x HV CABLES IN 125mm DUCT	142m	4x142m @\$23/m = \$13,064.00	NIL
D - E	NEW EXISTING	EXISTING 4x125mm DUCT 2x HV CABLES IN 125mm DUCT NEW INSTALL 2x125mm DUCTS RUN 2x NEW HV CABLES IN 125mm DUCT	30m	NIL	NIL
D - I	NEW EXISTING	NEW INSTALL 4x125mm DUCTS RUN 2x NEW HV CABLES IN 125mm DUCT	25m	NIL	NIL
E - F	NEW EXISTING	EXISTING 12x125mm DUCTS & 2x50mm DUCTS 3x HV CABLES IN 125mm DUCT NEW RUN 2x NEW HV CABLES IN 125mm DUCT	10m	2x10m @\$23/m = \$460.00	NIL
F - G	NEW EXISTING	EXISTING 6x125mm DUCTS & 2x50mm DUCTS 3x HV CABLES IN 125mm DUCT NEW RUN 2x NEW HV CABLES IN 125mm DUCT	75m	2x75m @\$23/m = \$3,450.00	NIL
G - H	NEW EXISTING	EXISTING 6x125mm DUCTS & 2x50mm DUCTS 3x HV CABLES IN 125mm DUCT 1x SL CABLES IN 50mm DUCT NEW RUN 2x NEW HV CABLES IN 125mm DUCT	38m	2x38m @\$23/m = \$1,748.00	NIL
H - N	NEW EXISTING	EXISTING ROAD CROSSING 6x125mm DUCTS & 2x50mm DUCTS NEW RUN 2x NEW HV CABLES IN 125mm DUCT	29m	2x29m @\$23/m = \$1,334.00	NIL
I - J	NEW EXISTING	EXISTING 6x125mm DUCTS & 2x50mm DUCTS 2x HV CABLES IN 125mm DUCT NEW RUN 2x NEW HV CABLES IN 125mm DUCT	110m	2x110m @\$23/m = \$5,060.00	NIL
J - K	NEW EXISTING	EXISTING 6x125mm DUCTS & 2x50mm DUCTS 3x HV CABLES IN 125mm DUCT 1x HV CABLE DIRECT BURIED 1x SL CABLES IN 50mm DUCT NEW RUN 2x NEW HV CABLES IN 125mm DUCT	7m	2x7m @\$23/m = \$322.00	NIL
K - L	NEW EXISTING	EXISTING ROAD CROSSING 6x125mm DUCTS & 2x50mm DUCTS 2x HV CABLES IN 125mm DUCT NEW RUN 2x NEW HV CABLES IN 125mm DUCT	29m	2x29m @\$23/m = \$1,334.00	NIL
L - M	NEW EXISTING	EXISTING 8x125mm DUCTS & 2x50mm DUCTS 7x HV CABLES IN 125mm DUCT 1x SL CABLES IN 50mm DUCT NEW UNDERBORE INSTALL 2x125mm DUCTS RUN 2x NEW HV CABLES IN 125mm DUCT	13m	NIL	NIL
M - N	NEW EXISTING	EXISTING 8x125mm DUCTS & 2x50mm DUCTS 6x HV CABLES IN 125mm DUCT 1x SL CABLES IN 50mm DUCT NEW UNDERBORE INSTALL 2x125mm DUCTS RUN 2x NEW HV CABLES IN 125mm DUCT	49m	NIL	NIL
N - O	NEW EXISTING	EXISTING 8x125mm DUCTS & 2x50mm DUCTS 6x HV CABLES IN 125mm DUCT 1x SL CABLES IN 50mm DUCT NEW UNDERBORE INSTALL 4x125mm DUCTS RUN 4x NEW HV CABLES IN 125mm DUCT	17m	NIL	NIL
O - P	NEW EXISTING	EXISTING 8x125mm DUCTS & 2x50mm DUCTS 6x HV CABLES IN 125mm DUCT 1x SL CABLES IN 50mm DUCT NEW UNDERBORE INSTALL 4x125mm DUCTS RUN 4x NEW HV CABLES IN 125mm DUCT	64m	NIL	NIL
P - Q	NEW EXISTING	EXISTING 8x125mm DUCTS & 2x50mm DUCTS 5x HV CABLES IN 125mm DUCT 1x SL CABLES IN 50mm DUCT NEW UNDERBORE INSTALL 4x125mm DUCTS RUN 4x NEW HV CABLES IN 125mm DUCT	430m	NIL	NIL
Q - R	NEW EXISTING	NEW UNDERBORE ROAD CROSSING INSTALL 6x125mm DUCTS RUN 4x NEW HV CABLES IN 125mm DUCT	42m	NIL	NIL

DUCTING SCHEDULE					
ROUTE	CONFIGURATION		ROUTE LENGTH	EE REIMBURSEMENT CHARGES	EXISTING DUCT USAGE CHARGES
R - S	NEW EXISTING	EXISTING 8x125mm DUCTS & 2x50mm DUCTS 6x HV CABLES IN 125mm DUCT 1x SL CABLES IN 50mm DUCT NEW UNDERBORE INSTALL 4x125mm DUCTS RUN 4x NEW HV CABLES IN 125mm DUCT	127m	NIL	NIL
S - T	NEW EXISTING	EXISTING 8x125mm DUCTS & 2x50mm DUCTS 5x HV CABLES IN 125mm DUCT 2x SL CABLES IN 50mm DUCT NEW UNDERBORE INSTALL 4x125mm DUCTS RUN 4x NEW HV CABLES IN 125mm DUCT	84m	NIL	NIL
T - U	NEW EXISTING	NEW UNDERBORE ROAD CROSSING INSTALL 6x125mm DUCTS RUN 4x NEW HV CABLES IN 125mm DUCT	37m	NIL	NIL
U - V	NEW EXISTING	EXISTING 6x125mm DUCTS & 2x50mm DUCTS 1x SL CABLES IN 50mm DUCT NEW RUN 4x NEW HV CABLES IN 125mm DUCT	465m	4x465m @\$23/m = \$42,780.00	NIL
V - W	NEW EXISTING	NEW INSTALL 6x125mm DUCTS RUN 4x NEW HV CABLES IN 125mm DUCT	62m	NIL	NIL
W - X	NEW EXISTING	EXISTING 1x50mm DUCTS NEW INSTALL 6x125mm DUCTS RUN 4x NEW HV CABLES IN 125mm DUCT	35m	NIL	NIL
X - Z	NEW EXISTING	EXISTING UNDERBORE 2x50mm DUCTS 1x SL CABLES IN 50mm DUCT NEW UNDERBORE INSTALL 6x125mm DUCTS RUN 4x NEW HV CABLES IN 125mm DUCT	88m	NIL	NIL
Z - AA	NEW EXISTING	EXISTING 1x50mm DUCTS NEW INSTALL 6x125mm DUCTS RUN 4x NEW HV CABLES IN 125mm DUCT	71m	NIL	NIL
AA - AB	NEW EXISTING	EXISTING 1x50mm DUCTS 1x SL CABLES IN 50mm DUCT NEW UNDERBORE UNDER BUS STOP INSTALL 6x125mm DUCTS RUN 4x NEW HV CABLES IN 125mm DUCT	7m	NIL	NIL
AB - AC	NEW EXISTING	EXISTING 1x50mm DUCTS NEW INSTALL 6x125mm DUCTS RUN 4x NEW HV CABLES IN 125mm DUCT	23m	NIL	NIL
AC - AD	NEW EXISTING	EXISTING 4x125mm DUCT 1x HV CABLES IN 125mm DUCT NEW INSTALL 3x125mm DUCTS RUN 4x NEW HV CABLES IN 125mm DUCT	64m	2x64m @\$23/m = \$2,944.00	NIL
AD - AE	NEW EXISTING	EXISTING 4x125mm DUCT 1x HV CABLES IN 125mm DUCT NEW UNDERBORE UNDER LANDSCAPE INSTALL 4x125mm DUCTS RUN 4x NEW HV CABLES IN 125mm DUCT	41m	NIL	NIL
AE - AF	NEW EXISTING	EXISTING 4x125mm DUCT 1x HV CABLES IN 125mm DUCT NEW INSTALL 3x125mm DUCTS RUN 4x NEW HV CABLES IN 125mm DUCT	257m	2x257m @\$23/m = \$11,822.00	NIL
AF - AG	NEW EXISTING	NEW UNDERBORE ROAD CROSSING INSTALL 6x125mm DUCTS RUN 4x NEW HV CABLES IN 125mm DUCT	71m	NIL	NIL
AG - AH	NEW EXISTING	EXISTING 5x125mm DUCTS & 2x50mm DUCTS 3x HV CABLES IN 125mm DUCT 1x HV CABLE DIRECT BURIED NEW INSTALL 4x125mm DUCTS RUN 4x NEW HV CABLES IN 125mm DUCT	52m	NIL	NIL
AH - AI	NEW EXISTING	EXISTING UNDERBORE ROAD CROSSING 6x125mm DUCT 2x HV CABLES IN 125mm DUCT NEW UNDERBORE ROAD CROSSING INSTALL 2x125mm DUCTS RUN 4x NEW HV CABLES IN 125mm DUCT	38m	2x38m @\$23/m = \$1,748.00	NIL
AI - AJ	NEW EXISTING	EXISTING 4x125mm DUCT 2x HV CABLES IN 125mm DUCT NEW INSTALL 4x125mm DUCTS RUN 4x NEW HV CABLES IN 125mm DUCT	237m	NIL	NIL
AJ - AK	NEW EXISTING	NEW INSTALL 6x125mm DUCTS RUN 4x NEW HV CABLES IN 125mm DUCT	68m	NIL	NIL
TOTAL				3742m @\$23/m = \$86,066.00	NIL



SWITCHING STATIONS EASEMENT AND RESTRICTION DIAGRAM



CROSS-SECTION A-A

To: Mr Matthew Mishevski
Phone: Not Supplied
Fax: Not Supplied
Email: mmishevski@hhconsult.com.au

Dial before you dig Job #:	21855071	 DIAL BEFORE YOU DIG www.1100.com.au
Sequence #	111079809	
Issue Date:	22/06/2021	
Location:	Distribution Dr. , Orchard Hills , NSW , 2748	

Indicative Plans

1	6	11	16
2	7	12	17
3	8	13	18
4	9	14	19
5	10	15	20

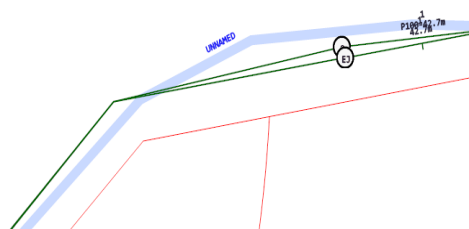


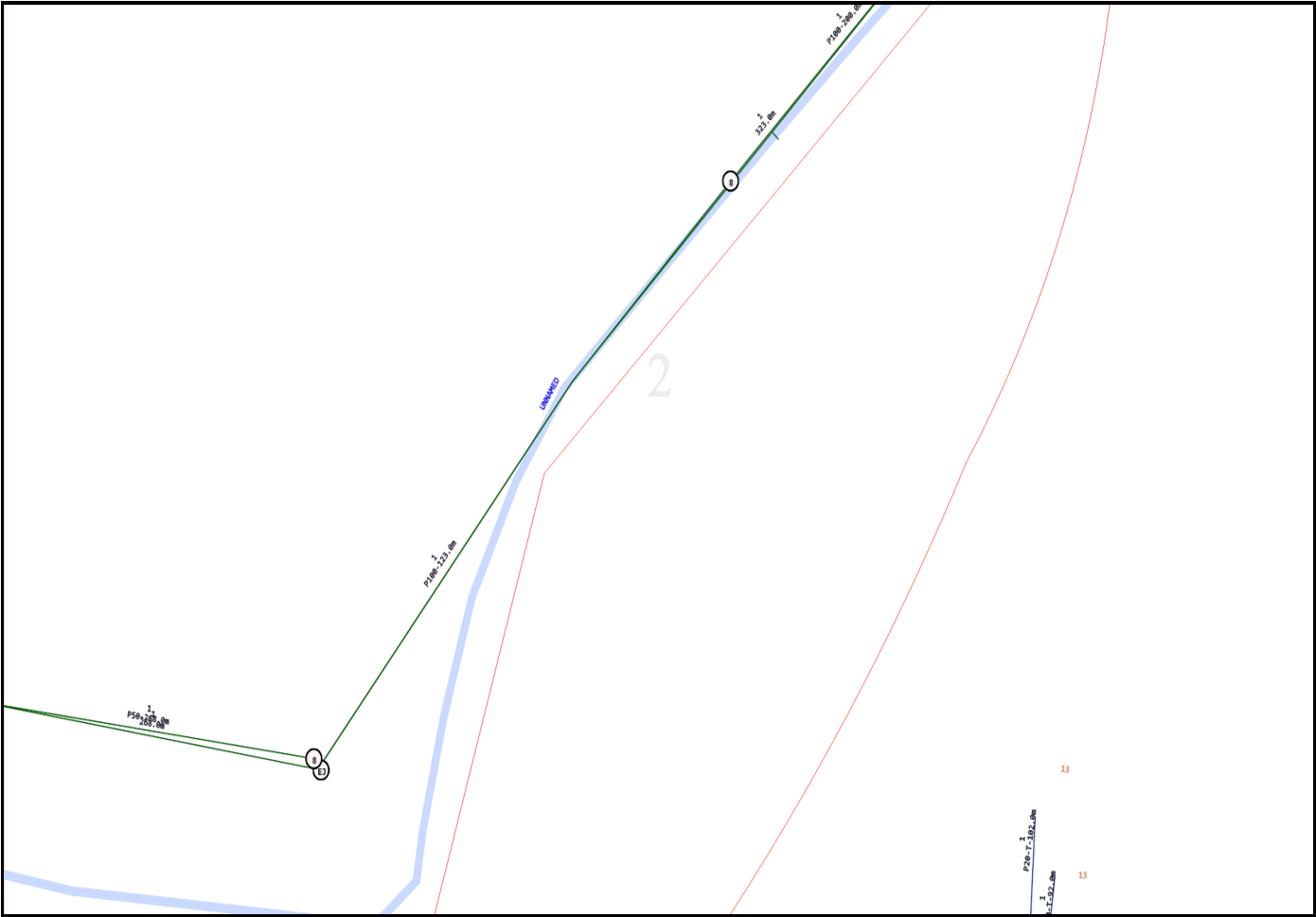
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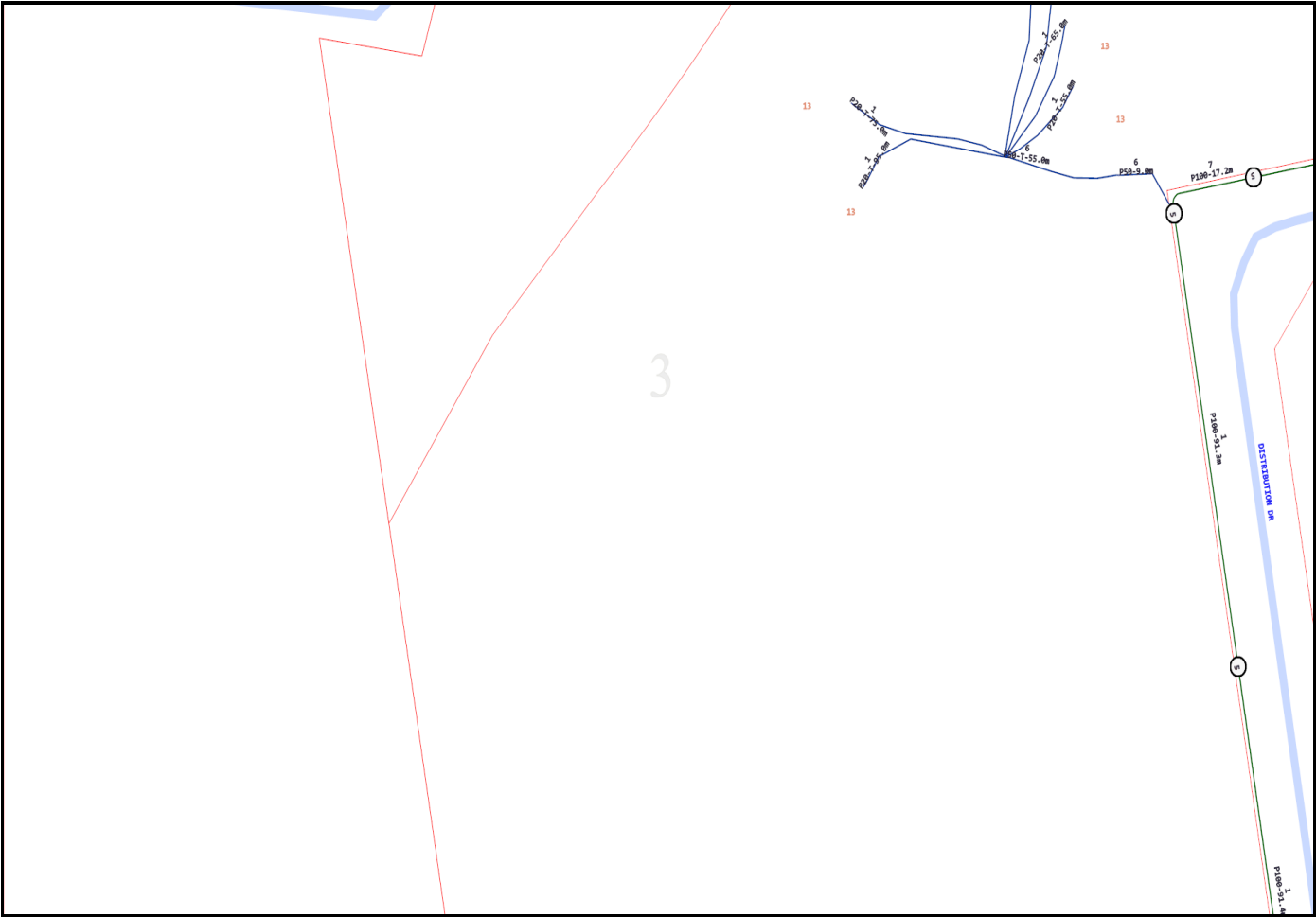


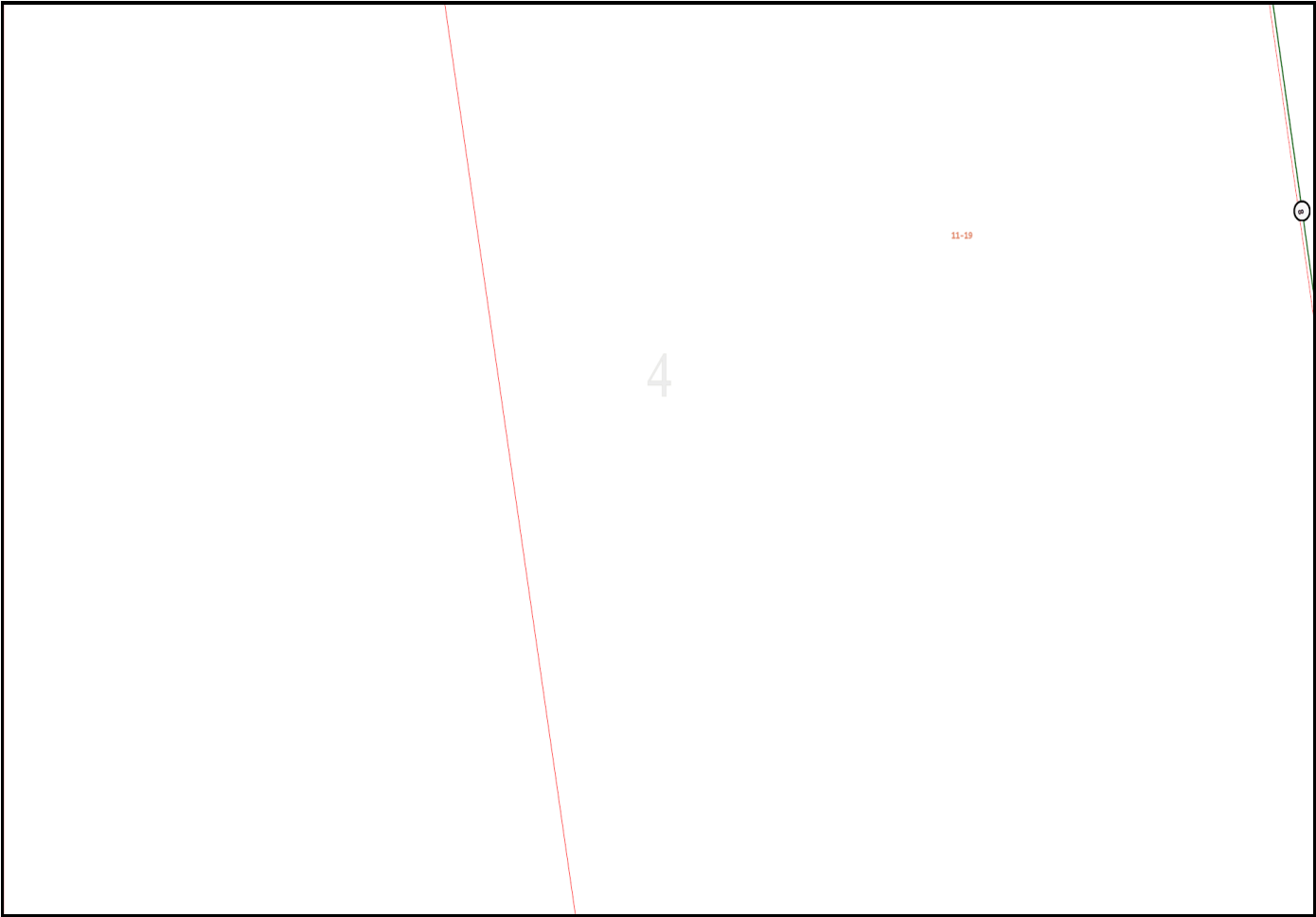
	Parcel and the location
	Pit with size "5"
	Power Pit with size "2E". Valid PIT Size: e.g. 2E, 5E, 6E, 8E, 9E, E, null.
	Manhole
	Pillar
	Cable count of trench is 2. One "Other size" PVC conduit (PO) owned by Telstra (-T-), between pits of sizes, "5" and "9" are 25.0m apart. One 40mm PVC conduit (P40)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

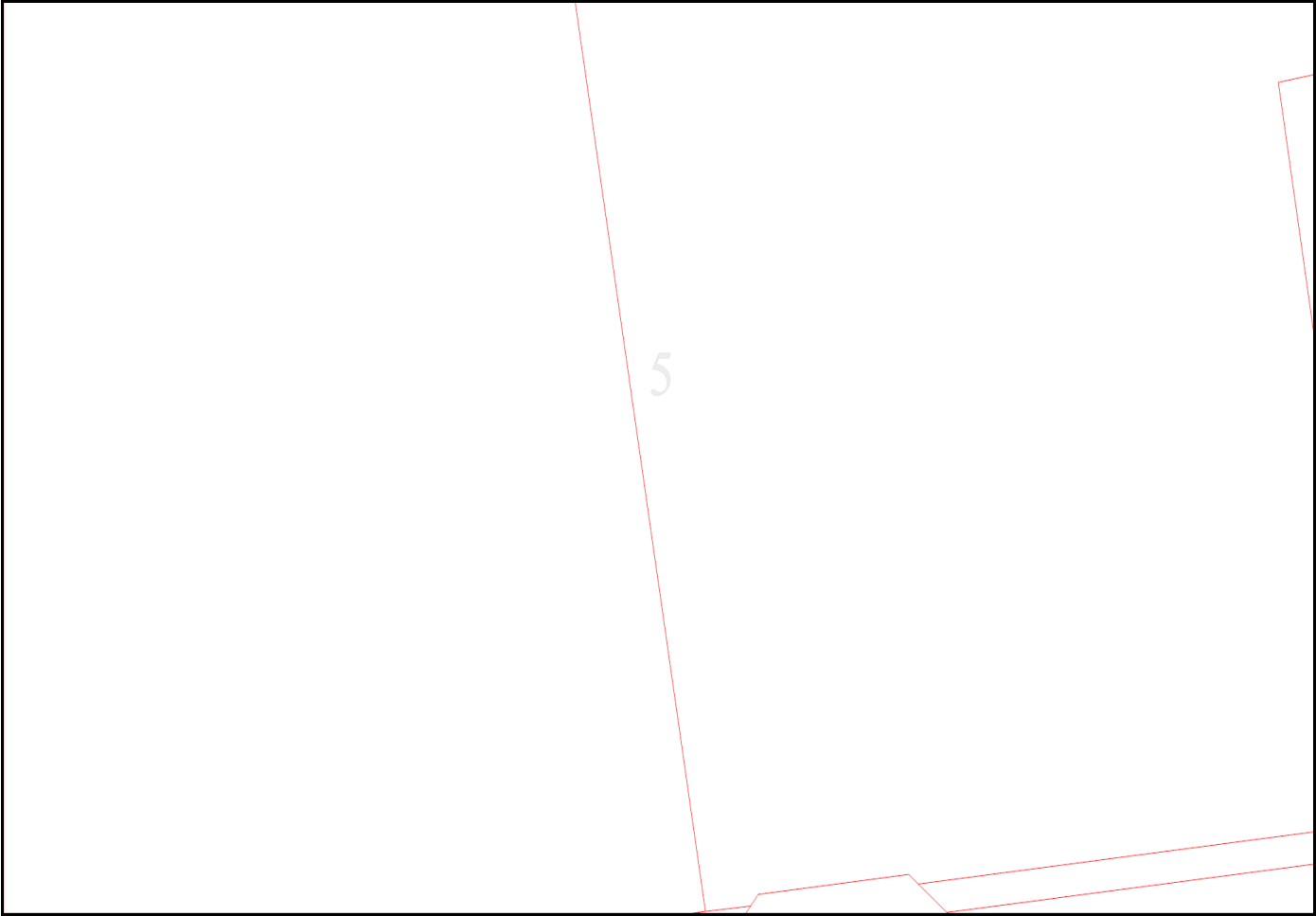
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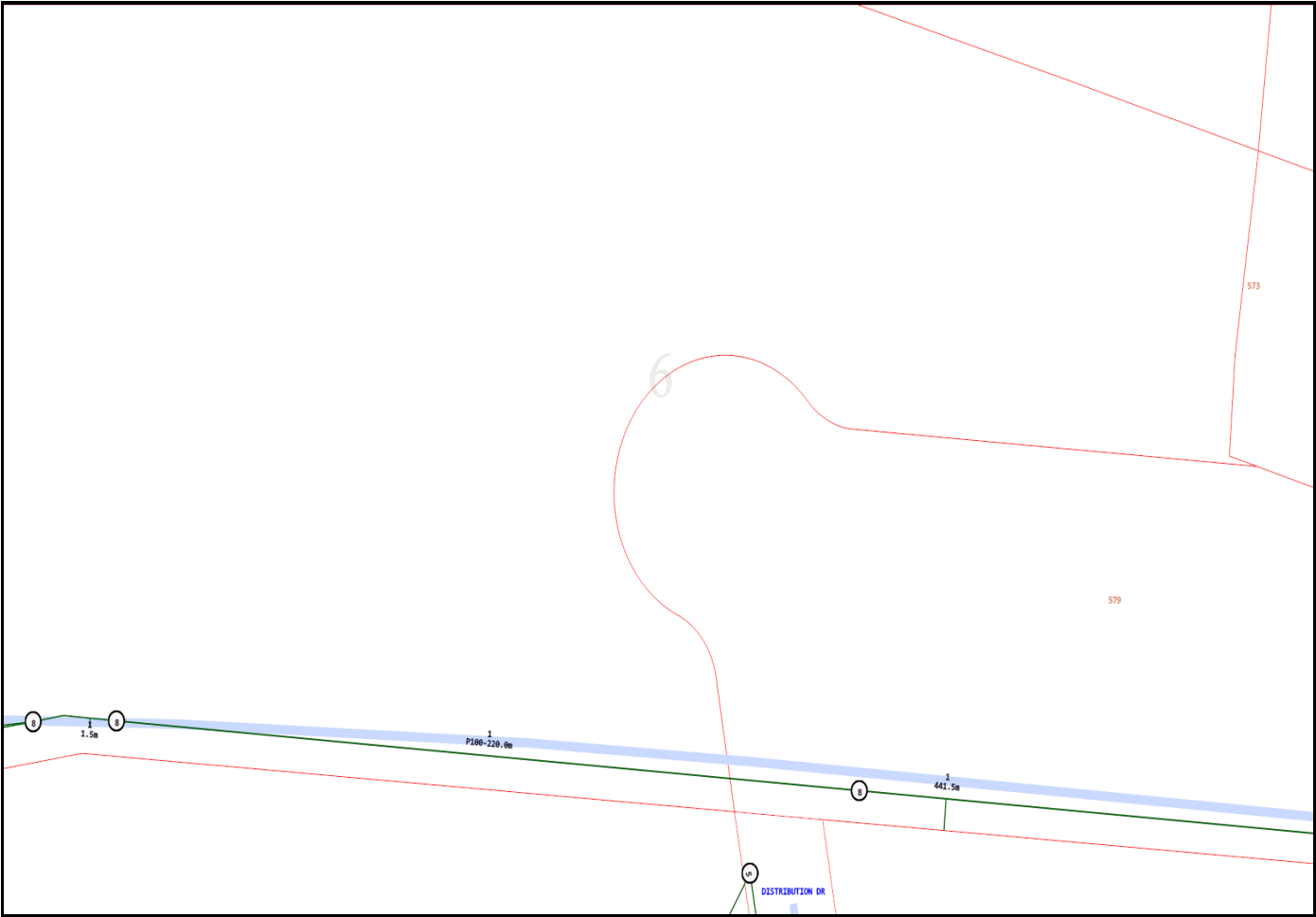


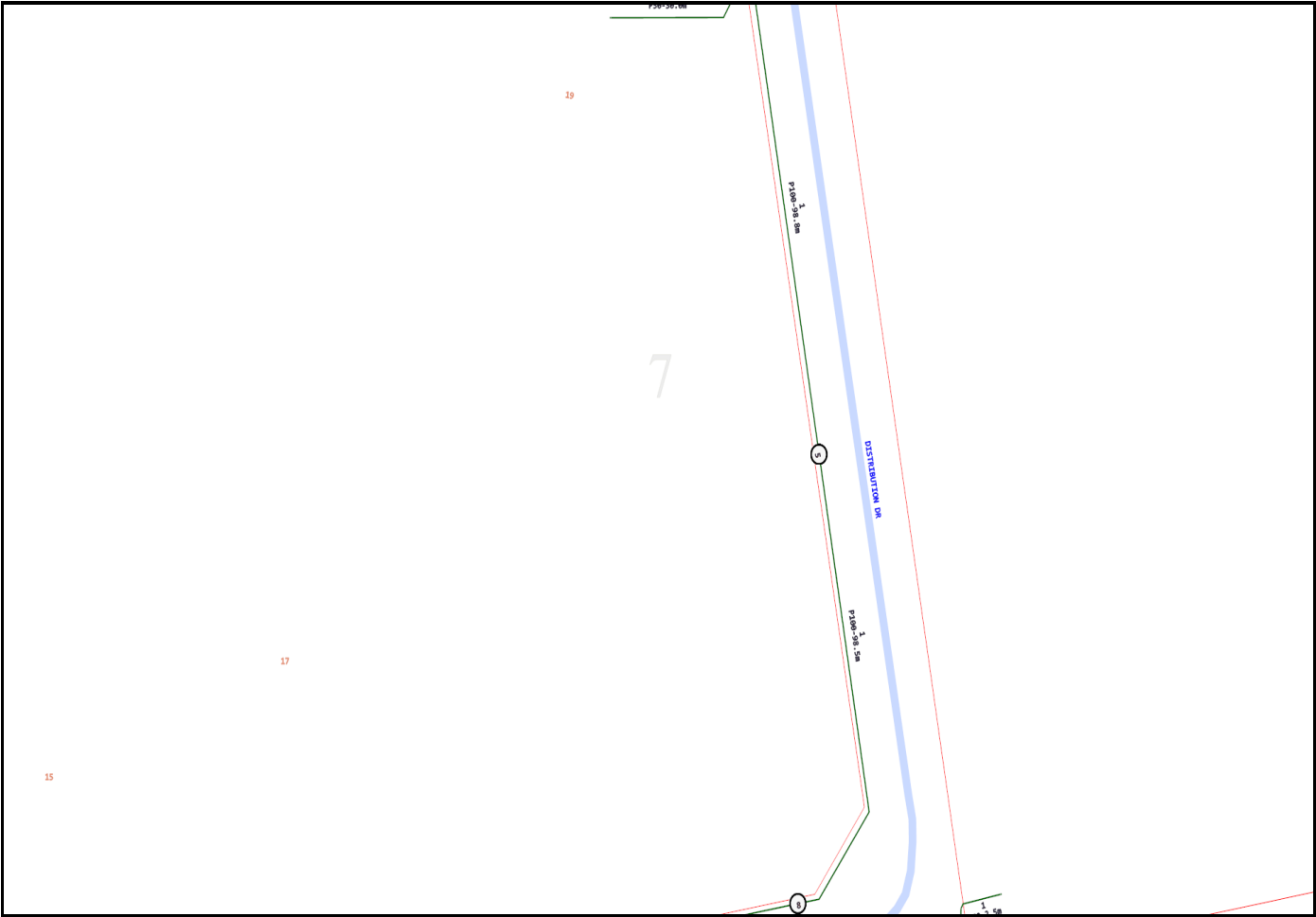


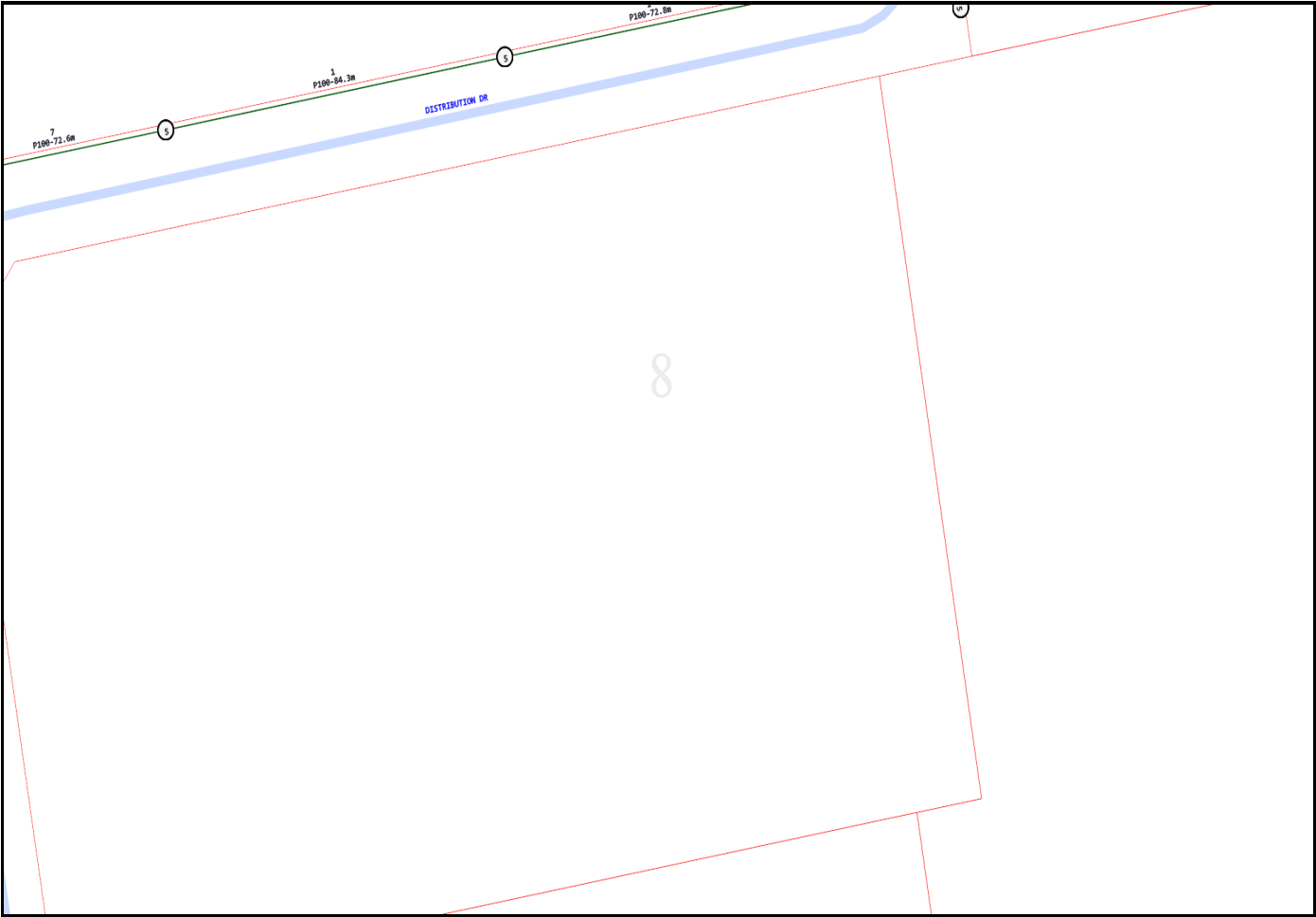


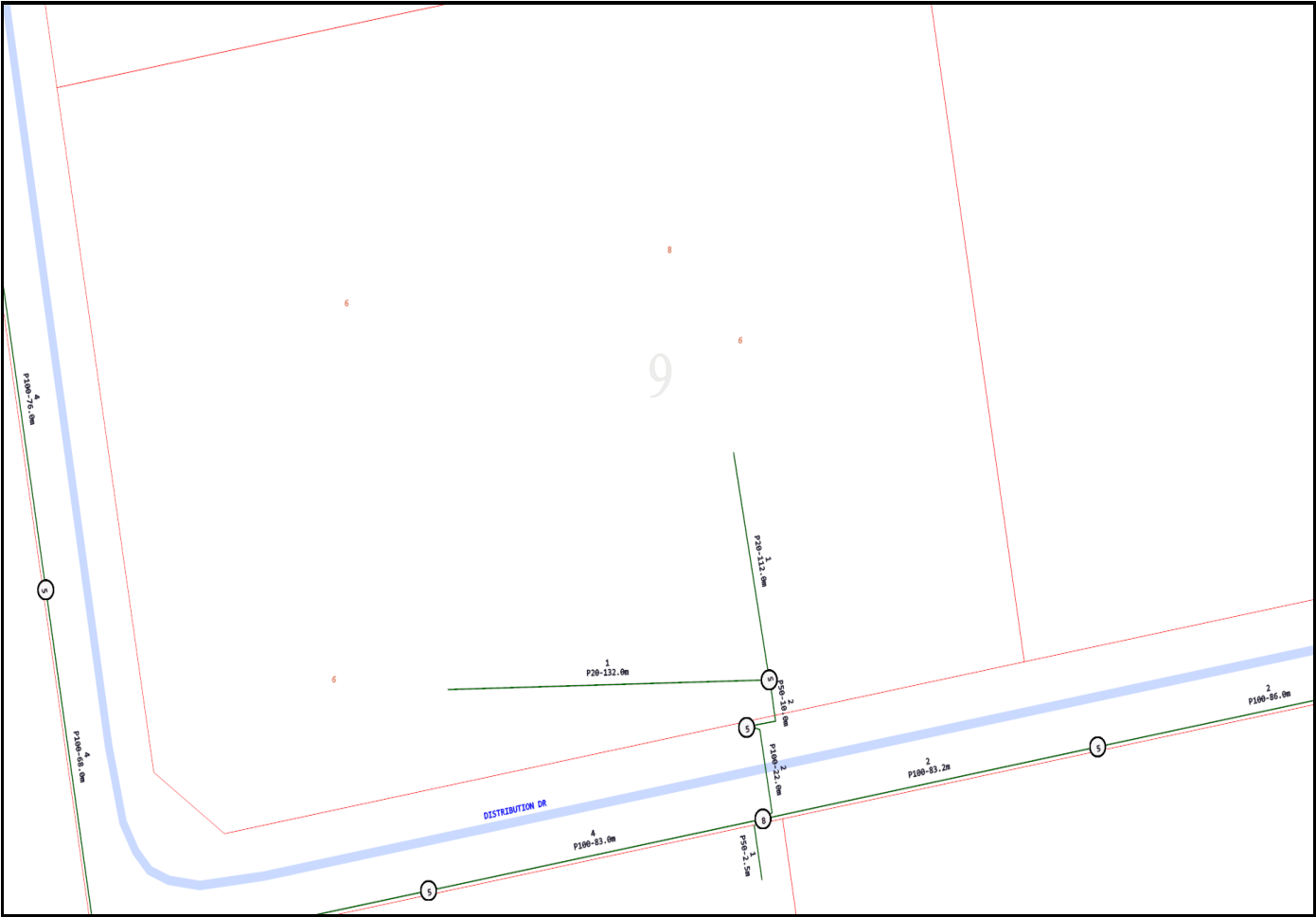


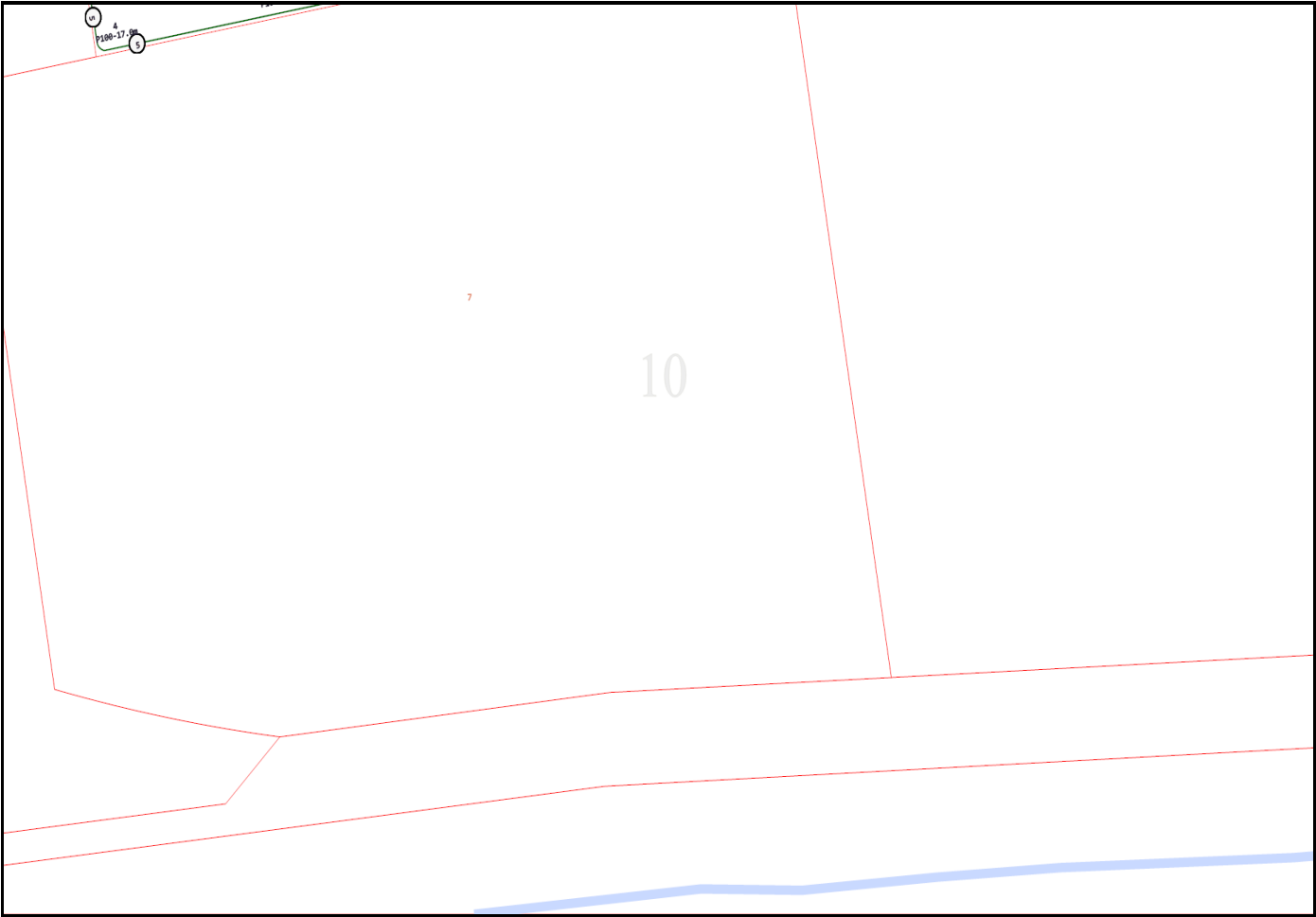


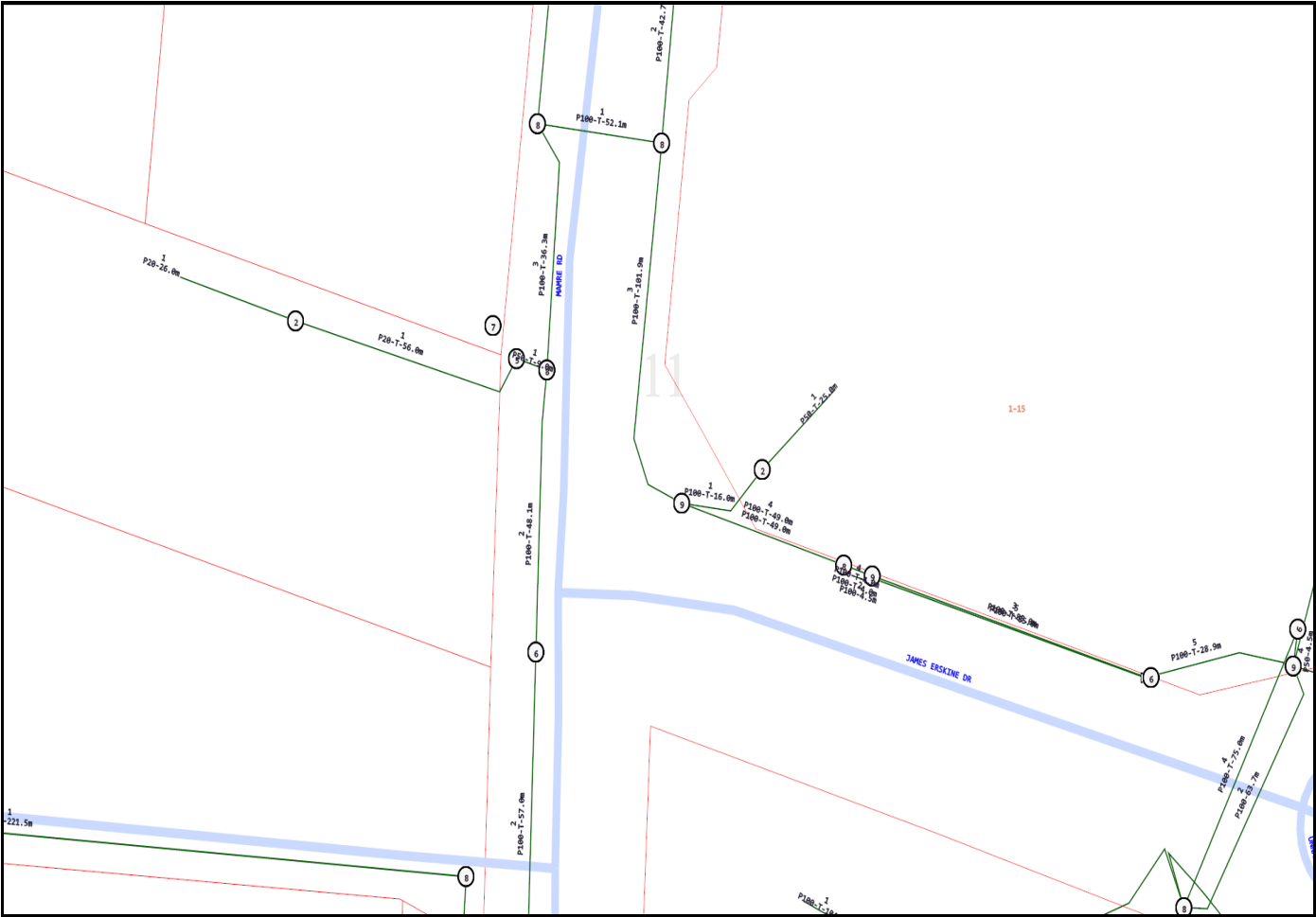


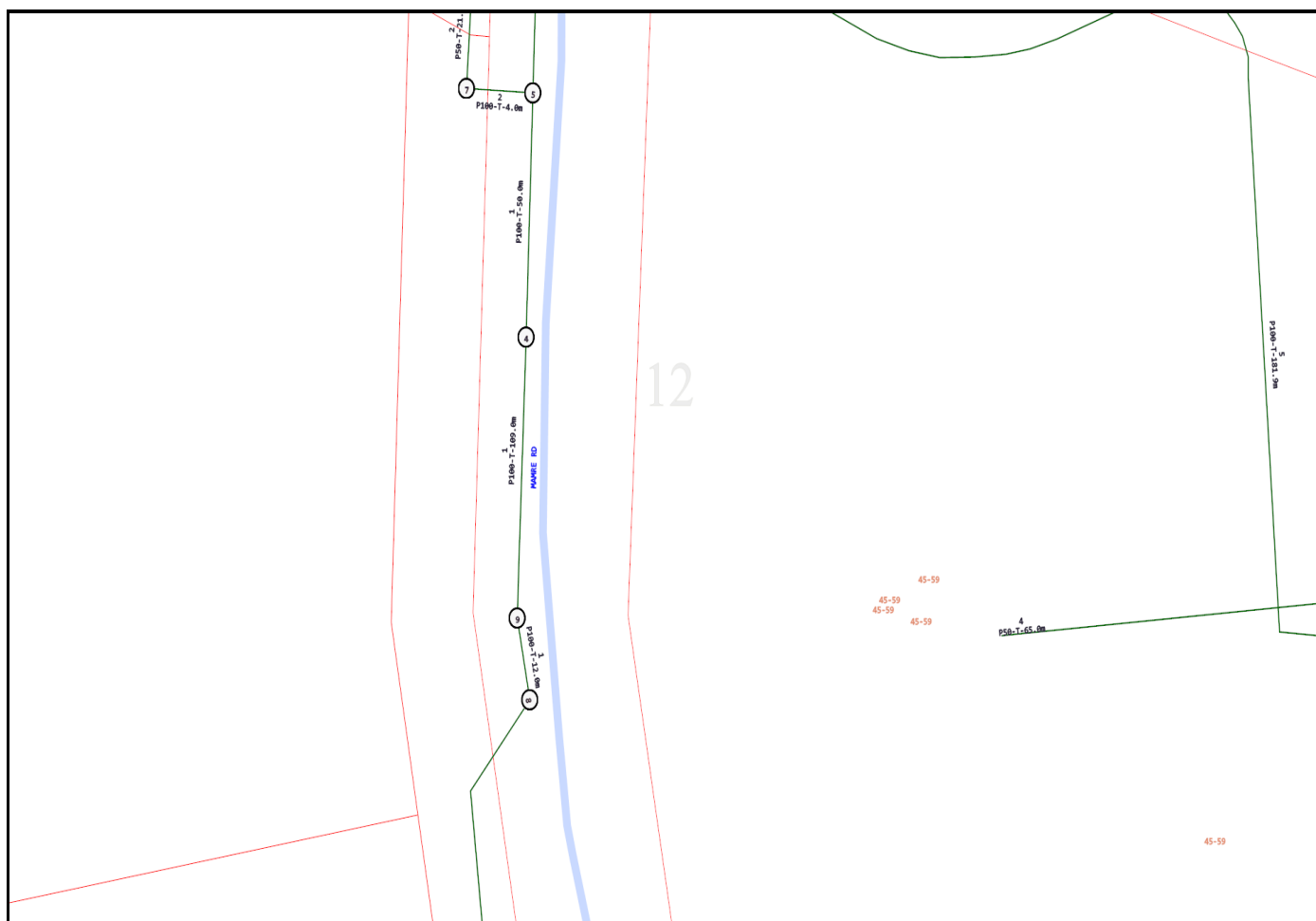








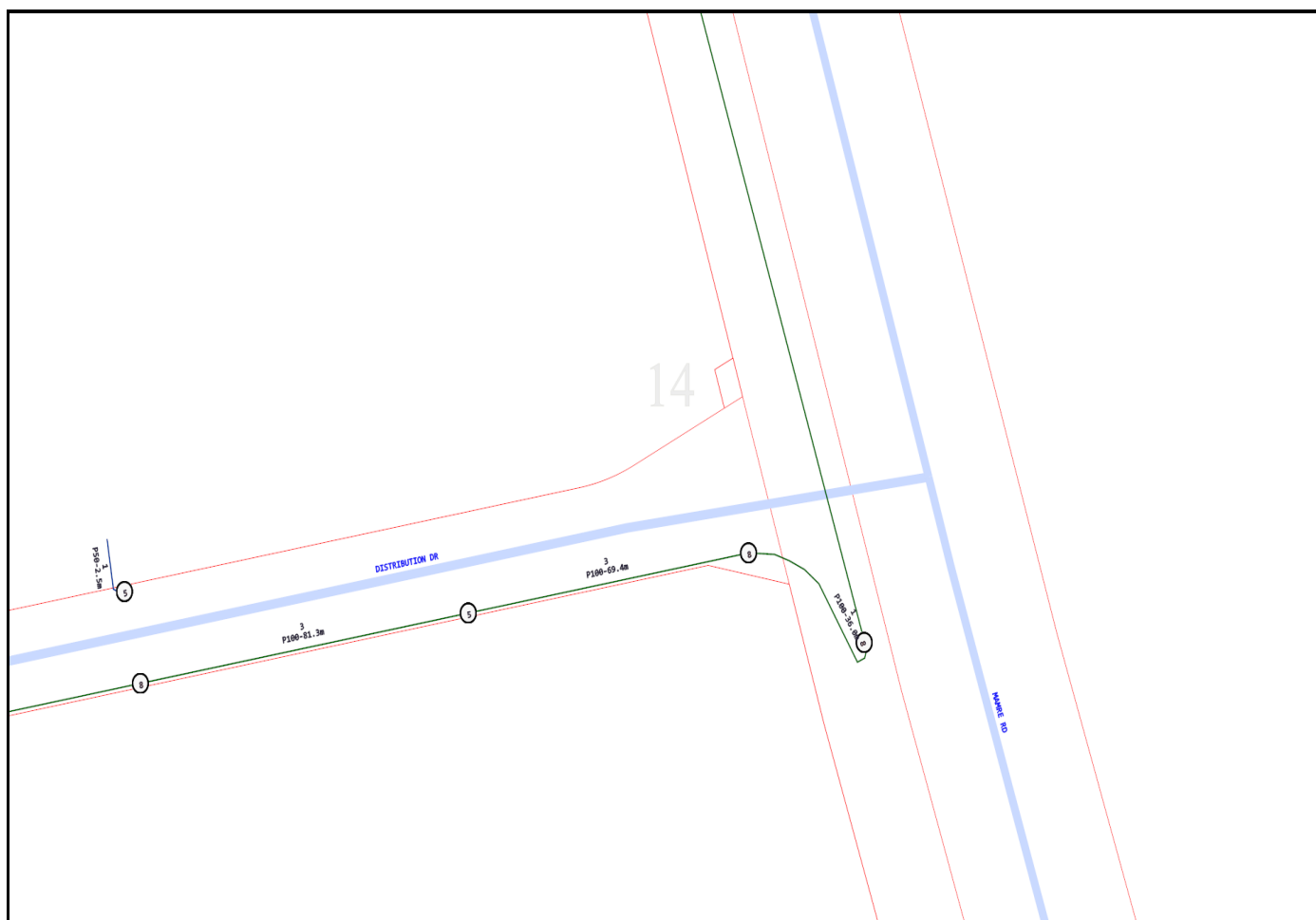


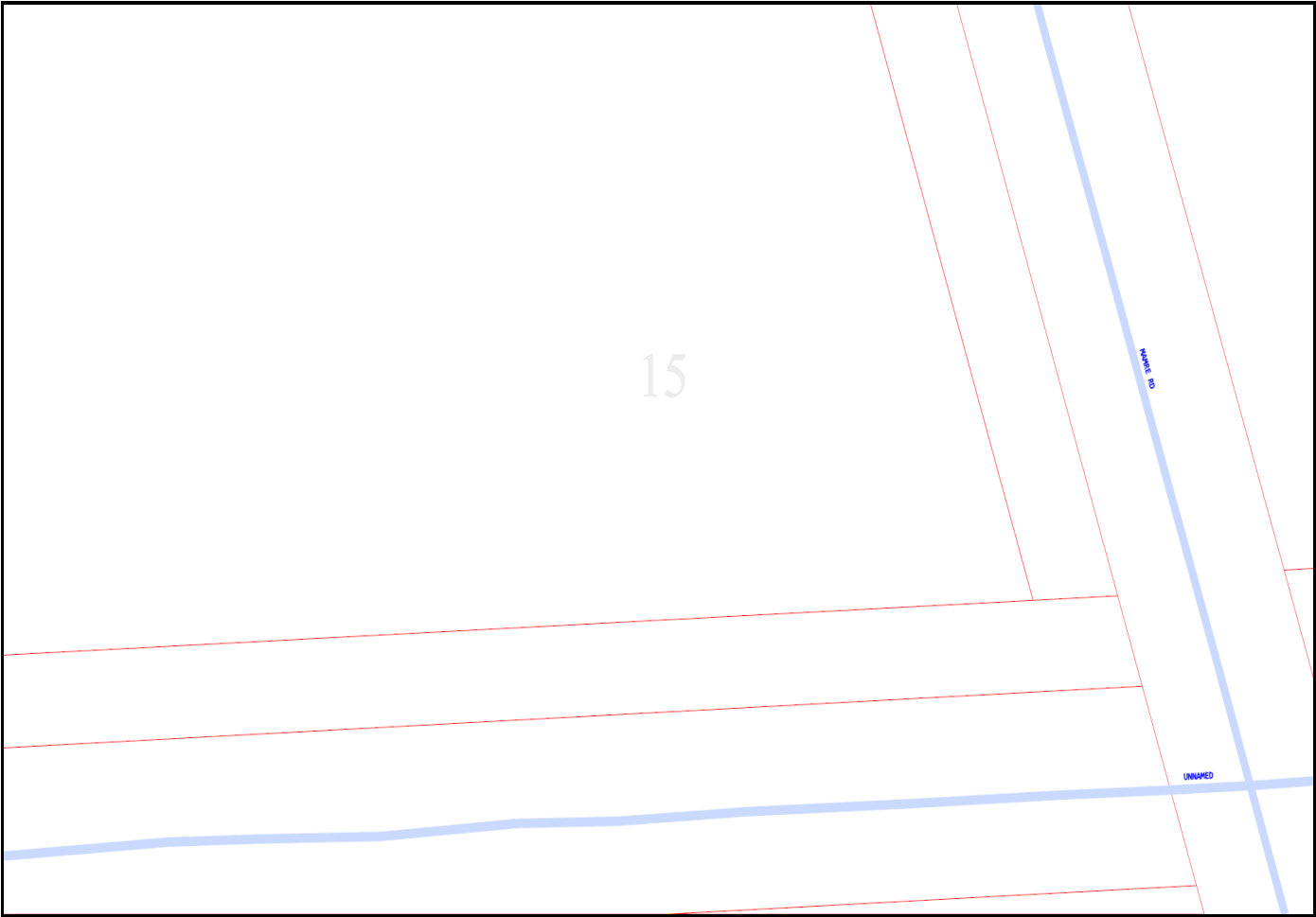


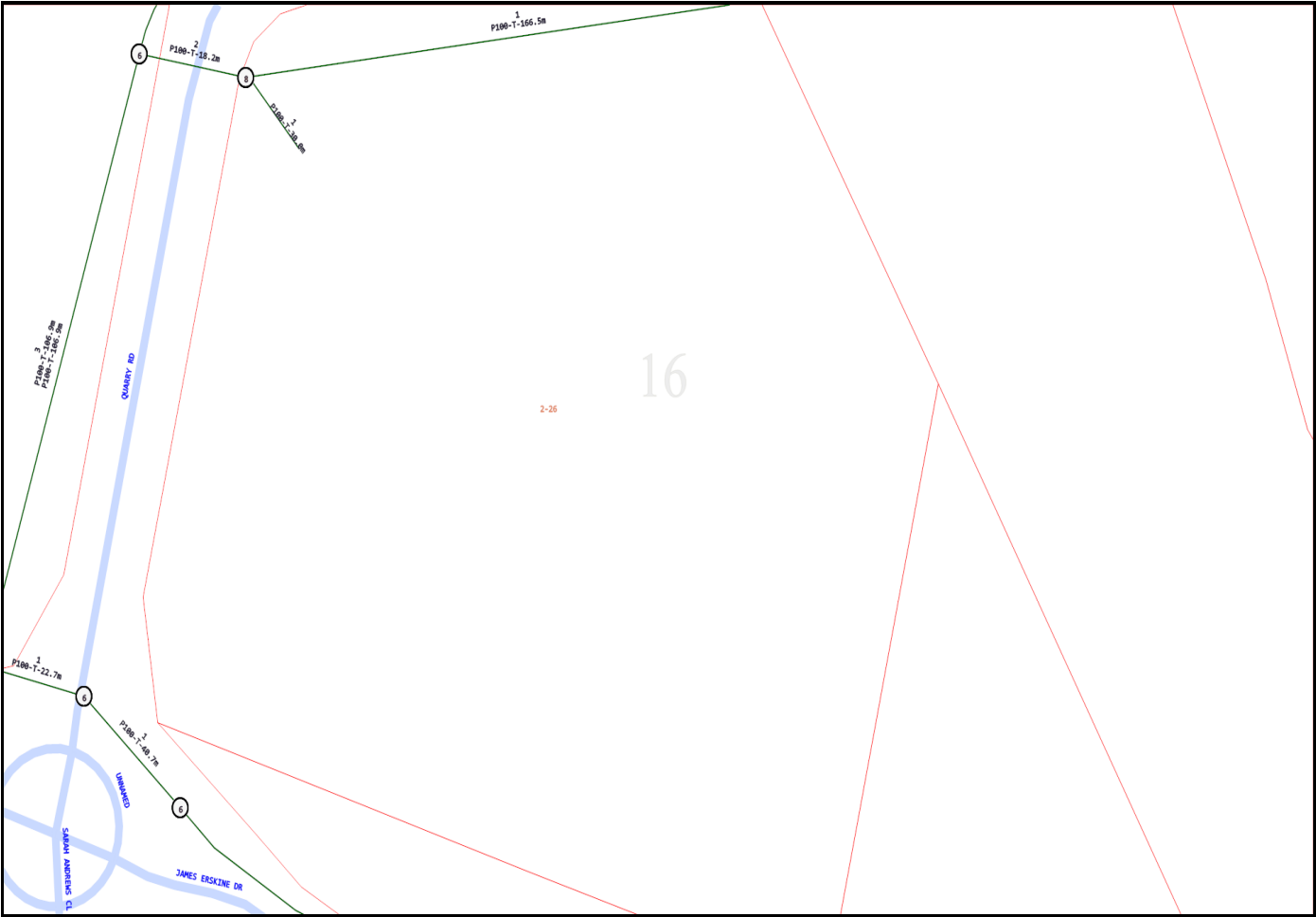
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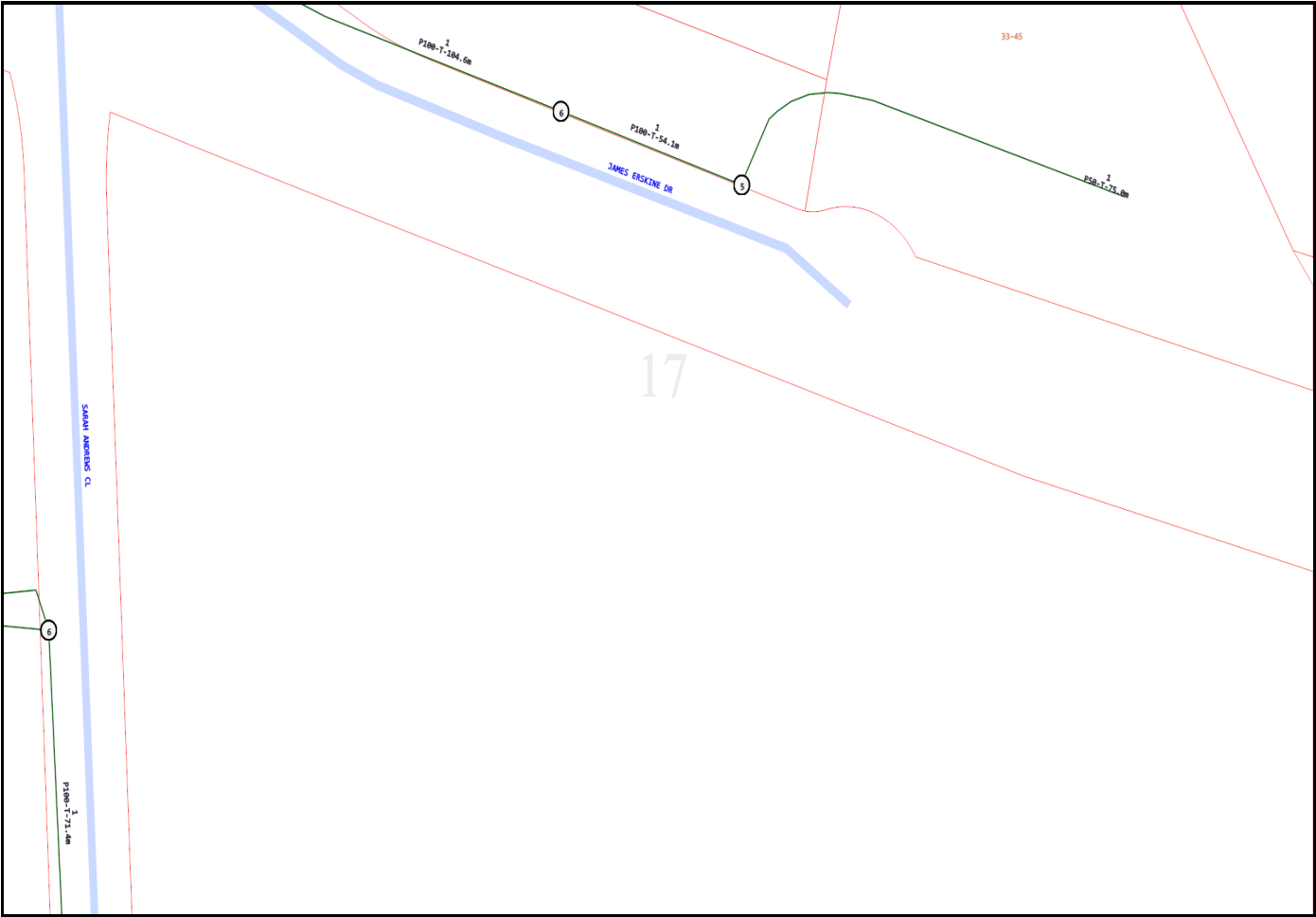
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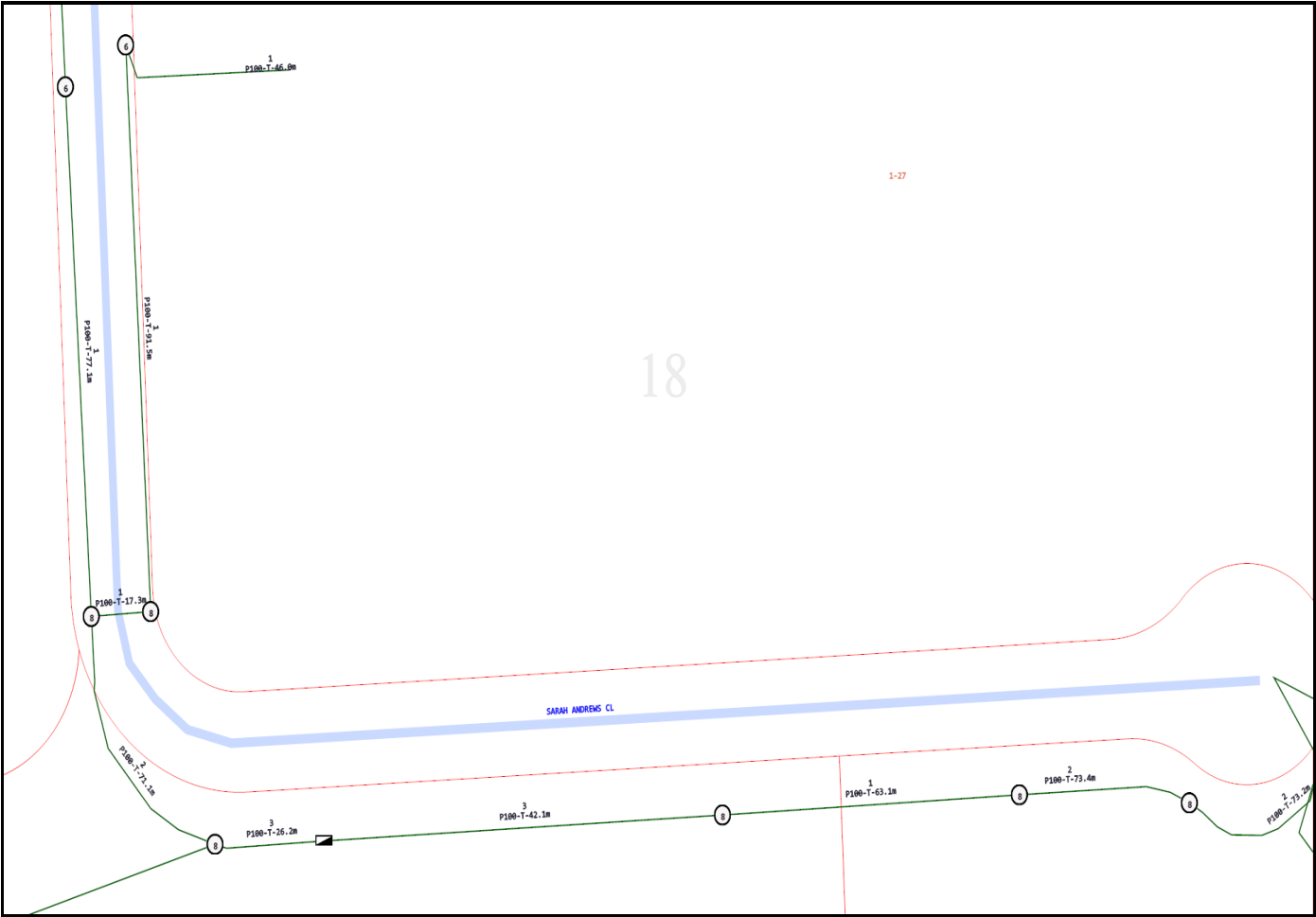
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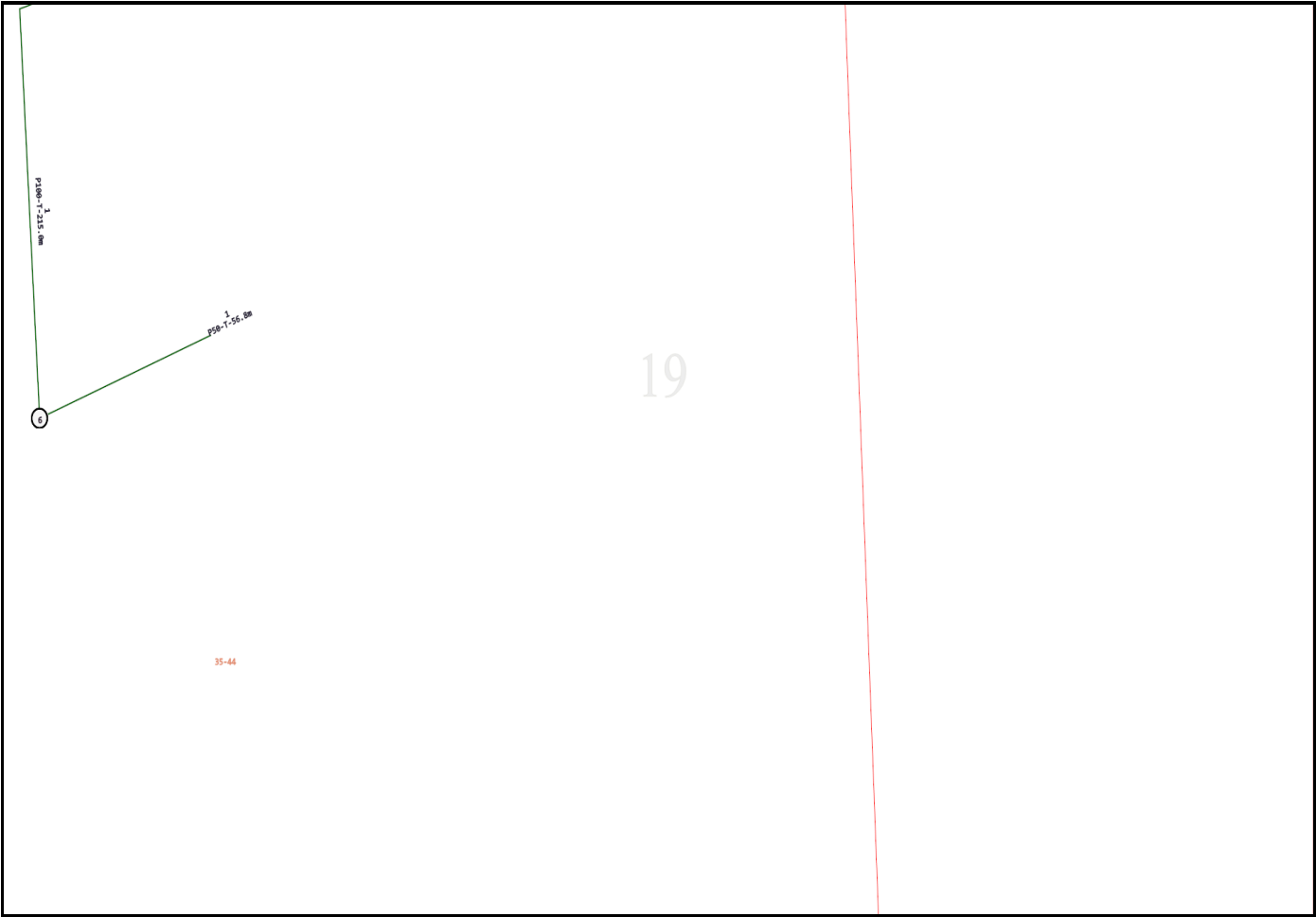


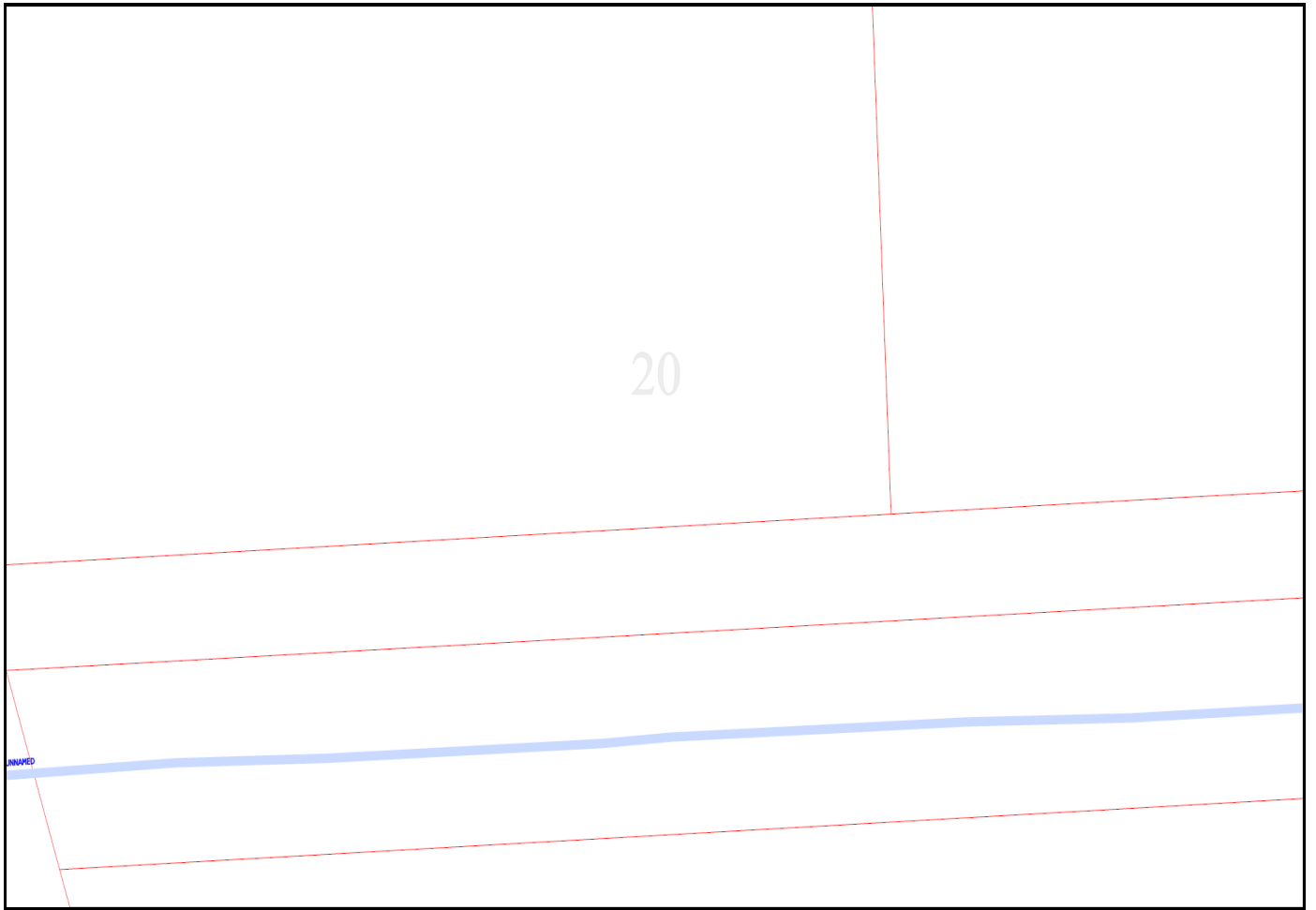












Emergency Contacts

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

To: Mr Matthew Mishevski
Phone: Not Supplied
Fax: Not Supplied
Email: mmishevski@hhconsult.com.au

Dial before you dig Job #:	21855071	 DIAL BEFORE YOU DIG www.1100.com.au
Sequence #	111079809	
Issue Date:	22/06/2021	
Location:	Distribution Dr. , Orchard Hills , NSW , 2748	

Information

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

nbn™ Assets	Search Results
Communications	Asset identified
Electricity	No assets

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

Location of nbn™ Underground Assets

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

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

Facilities during any activities you carry out on site).

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

Notes:

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

Referral Conditions

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

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

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

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

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

Thank You,

nbn DBYD

Date: 22/06/2021

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Date: 22/06/2021

Enquirer Name: Mr Matthew Mishevski
Enquirer Address: Suite 2/01, 828 Pacific Highway
Email: mmishevski@hhconsult.com.au
Phone: 0411785579

Dear Mr Matthew Mishevski

The following is our response on behalf of each of the TPG carriers (listed below) to your Dial Before You Dig enquiry – Sequence 111079803. It is provided to you on a confidential basis under the following conditions and must be shredded or securely disposed of after use.

Assets Affected:

Carriers (each a "TPG carrier") and assets affected:

PIPE Networks

Location: Distribution Dr.

According to our records, the underground assets in the vicinity of the location stated in your enquiry are **AFFECTED**. Please read the below information and disclaimers in addition to the any attached plans provided prior to any construction activities.

IMPORTANT INFORMATION

- The information provided is valid for 30 days from the date of this response. If your work site area changes or your construction activity is beyond 30 days please contact Dial Before You Dig on 1100 or www.1100.com.au to re-submit a new enquiry.
- Due to the nature of underground assets and the age of some assets and records, our plans are indicative of the general location only and may not show all assets in the location. You should not solely rely on these plans when undertaking construction works. It is also inaccurate to assume depth or that underground network conduit and cables follow straight lines, and careful on-site investigations are essential to locate an asset's exact position prior to excavation. It is your responsibility to locate and confirm the exact location of our infrastructure using non-destructive techniques. We make no warranty or guarantee that our plans are complete, current or error free, and to the maximum extent permitted by law we exclude all liability to you, your employees, agents and contractors for any loss, damage or claim arising out of or in connection with using our plans.
- Please note that some of our conduits carry electrical cables and gas pipes. Please exercise extreme care when working within the vicinity of these conduit and take into account the minimum clearance distances under Duty Of Care below.
- You (and your employee and contractors) must not open, move, interfere, alter or relocate any of our assets without our prior approval.
- **Note** It is a criminal offence under the *Criminal Code Act 1995 (Cth)* to tamper or interfere with communication facilities owned by a carrier. Heavy penalties may apply for breach of this prohibition, and any damages suffered, or costs incurred by us as a result of such unauthorised works may be claimed against you.

DAMAGE

- You must report immediately any damage to our network on **1800 786 306** (24hrs). We will hold you liable and seek compensation for any loss or damage to our network, our property and our customers that is caused by or arises out of your activities.

DUTY OF CARE

You have a duty of care to carefully locate, validate and protect our assets when carrying out works near our infrastructure. For construction activities that may impact on or interfere with our network, you will need to call us on **1800 786 306** to discuss a suitable engineering solution, lead time and cost involved. The below precautions must be taken when working in the vicinity of our network:

- Contact us on **1800 786 306** to discuss and obtain relevant information and plans on our infrastructure in a particular location if the information provided in this response is insufficient.
- Physically locate and mark on-site our network infrastructure using non-destructive techniques i.e. pot holing or hand digging every 5 metres prior to commencing any construction activities. Assets located must be marked to AS5488 standard. **NO CONSTRUCTION WORK IS ALLOWED UNTIL THIS STEP IS COMPLETED.** You must use an approved telecommunications accredited locator, or we can provide a locator for you at your expense. If we provide you with a locator, and this locator attended the site and is proven to be grossly negligent in physically locating and marking our infrastructure, then to the extent any TPG carrier is liable for this locator's negligence, acts and omissions, the total liability aggregated for all TPG carriers is limited, at our option, to attend the site and re-mark the infrastructure or to pay for a third party to re-mark the infrastructure.
- If you require us to locate or monitor our infrastructure, please allow five business days' notice for us to respond.
- Ensure all information, including our network requirements and any associated plans provided by us are kept confidential and remain on-site throughout your construction works.

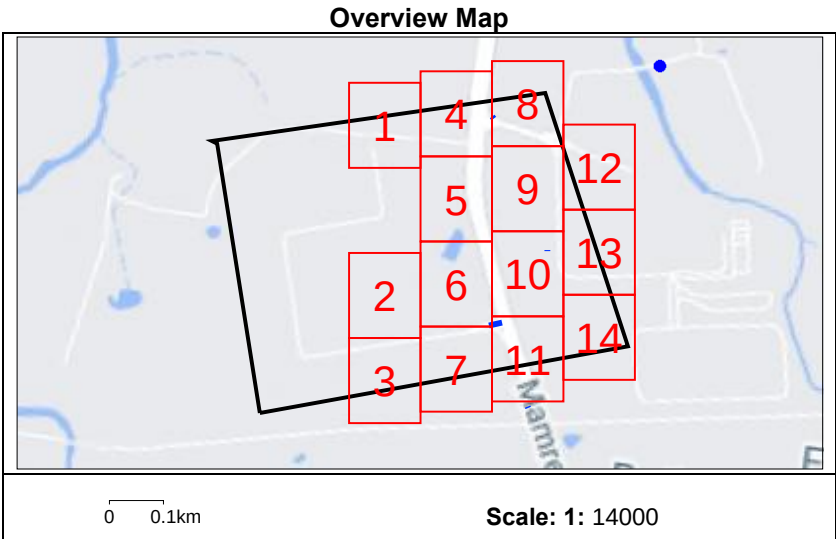
- Use suitably qualified and supervised professionals, particularly if you are working near assets that contain electricity cables or gas pipes.
- Ensure the below minimum clearance distances between the construction activities and the actual location of our assets are met. If you need clearance distances 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 Dial Before You Dig to respond to your Dial Before You Dig 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 Dial Before You Dig 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 Corporation Limited

1

Enquiry Number: 111079803

Map Sheet: 1

Scale: 1: 750

0 0.008km



LEGEND

DBYD Work Area



AAPT/PowerTel Pit



AAPT/PowerTel Duct



DDA Pit



DDA Duct



Agile/Adam Pit



Agile/Adam Duct



TransACT Pit



TransACT Duct



SOUL Pattinson Telecoms Pit



SOUL Pattinson Telecoms Duct



PIPE Networks Pit



PIPE Networks Duct



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2

Enquiry Number: 111079803

Map Sheet: 2

Scale: 1: 750

0 0.008km



LEGEND

DBYD Work Area



AAPT/PowerTel Pit



AAPT/PowerTel Duct



DDA Pit



DDA Duct



Agile/Adam Pit



Agile/Adam Duct



TransACT Pit



TransACT Duct



SOUL Pattinson Telecoms Pit



SOUL Pattinson Telecoms Duct



PIPE Networks Pit



PIPE Networks Duct



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Enquiry Number: 111079803

Map Sheet: 3

Scale: 1: 750

00.008km

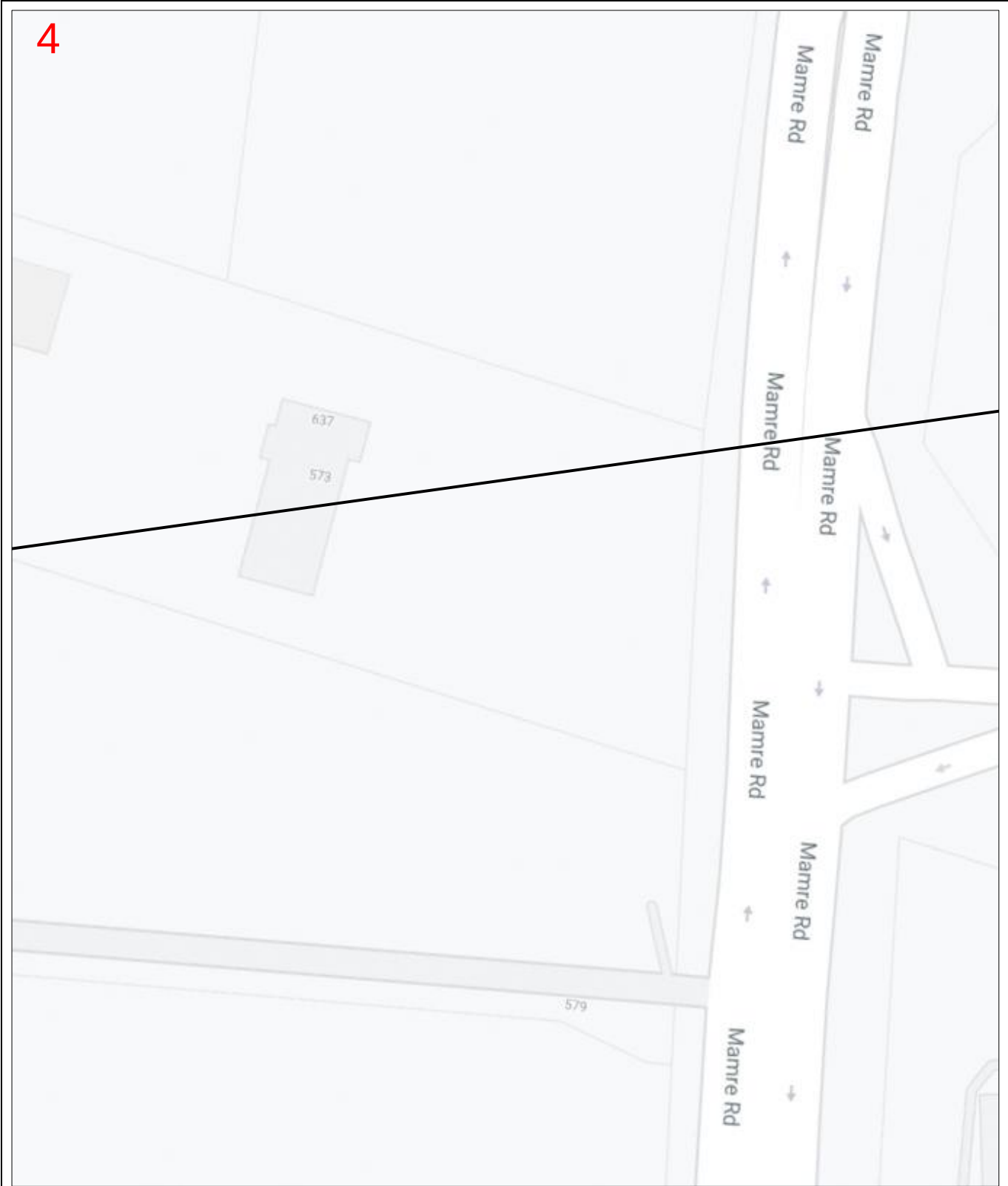
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LEGEND

DBYD 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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Enquiry Number: 111079803

Map Sheet: 4

Scale: 1: 750

00.008km

N

LEGEND

DBYD Work Area

AAPT/PowerTel Pit

AAPT/PowerTel Duct

DDA Pit

DDA Duct

Agile/Adam Pit

Agile/Adam Duct

TransACT Pit

TransACT Duct

SOUL Pattinson Telecoms Pit

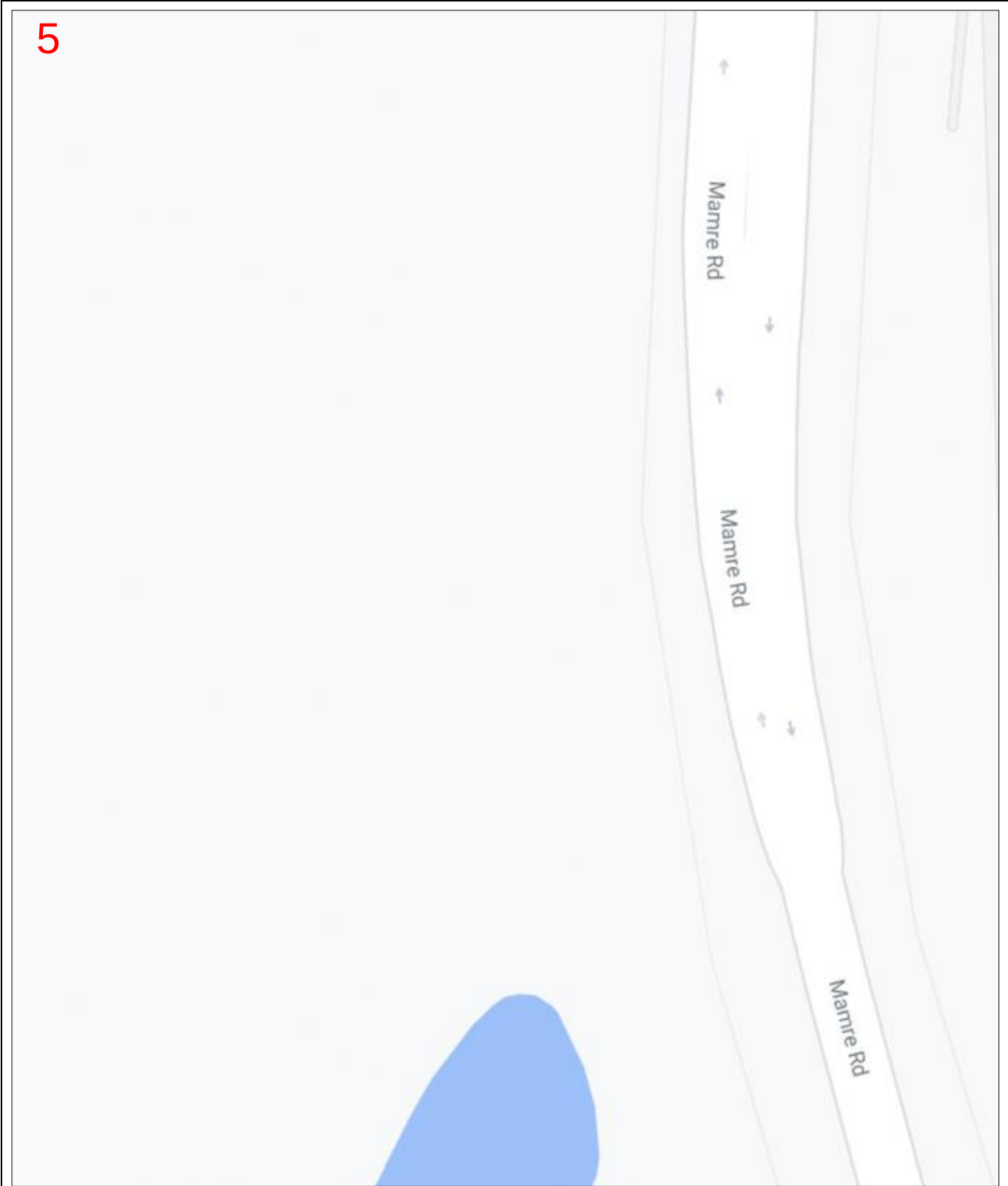
SOUL Pattinson Telecoms Duct

PIPE Networks Pit

PIPE Networks Duct

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Page 6



Enquiry Number: 111079803

Map Sheet: 5

Scale: 1: 750

00.008km

N

LEGEND

DBYD Work Area

AAPT/PowerTel Pit

AAPT/PowerTel Duct

DDA Pit

DDA Duct

Agile/Adam Pit

Agile/Adam Duct

TransACT Pit

TransACT Duct

SOUL Pattinson Telecoms Pit

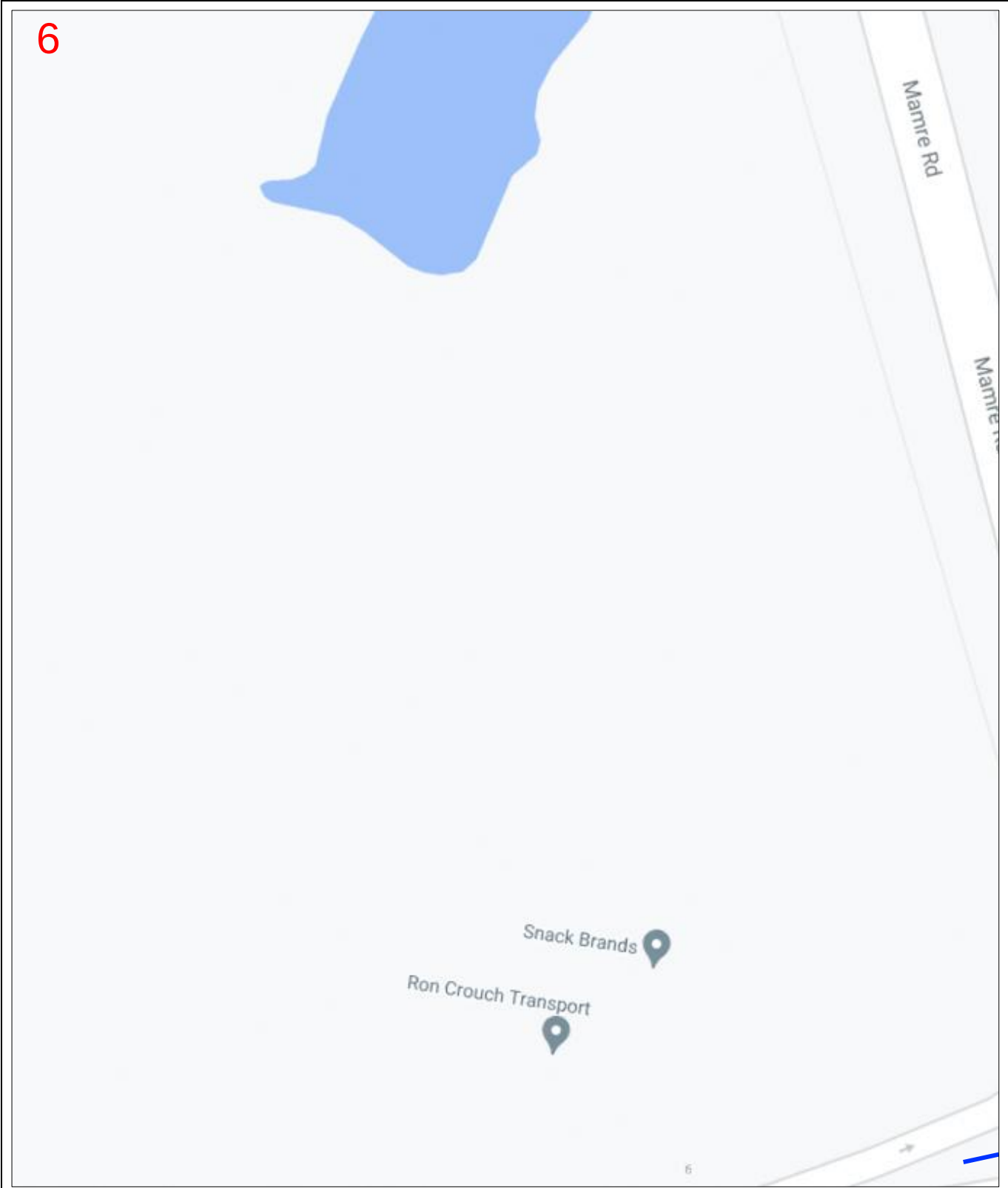
SOUL Pattinson Telecoms Duct

PIPE Networks Pit

PIPE Networks Duct

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Page 7



Enquiry Number: 111079803

Map Sheet: 6

Scale: 1: 750

00.008km

N

LEGEND

DBYD Work Area

AAPT/PowerTel Pit

AAPT/PowerTel Duct

DDA Pit

DDA Duct

Agile/Adam Pit

Agile/Adam Duct

TransACT Pit

TransACT Duct

SOUL Pattinson Telecoms Pit

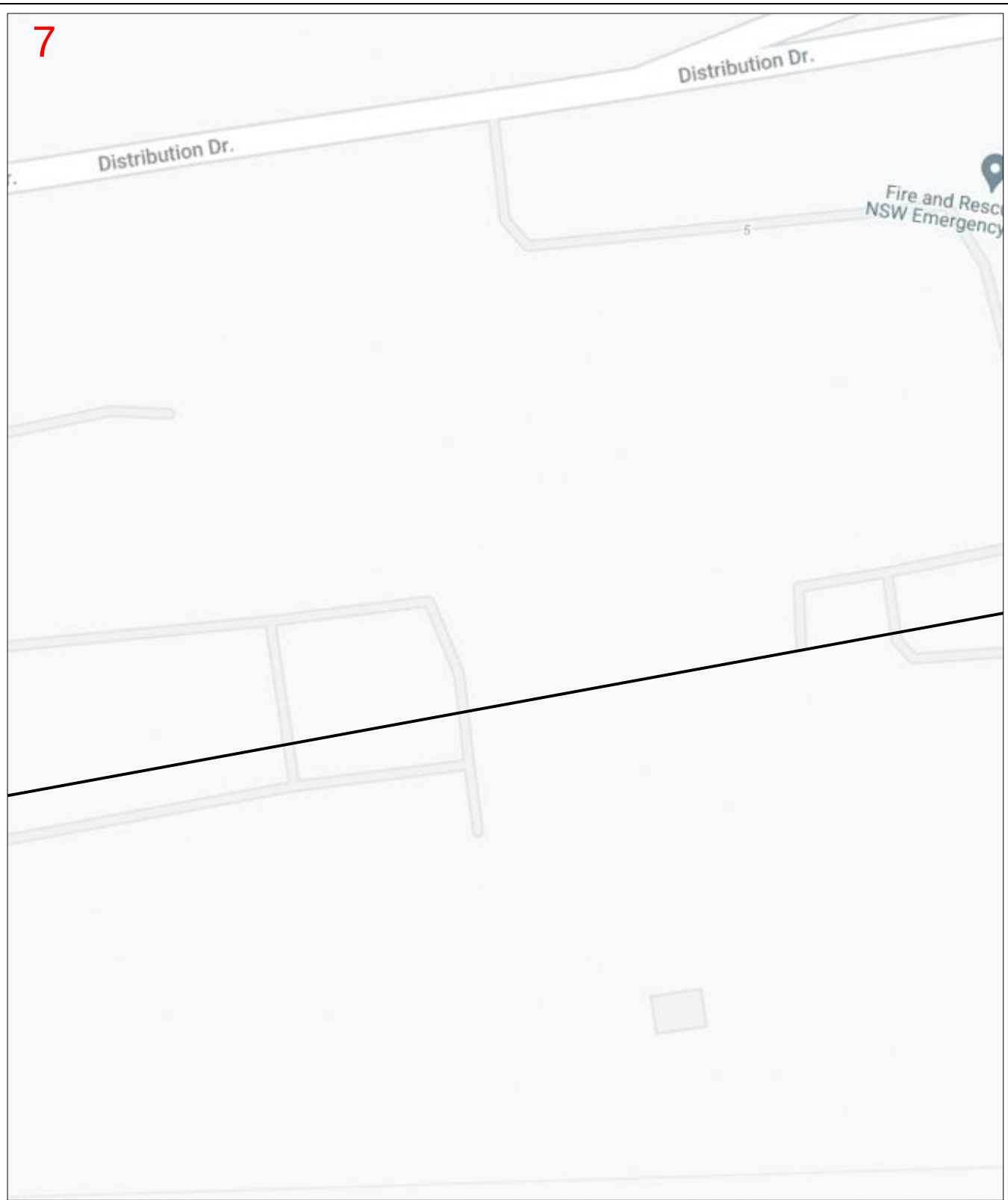
SOUL Pattinson Telecoms Duct

PIPE Networks Pit

PIPE Networks Duct

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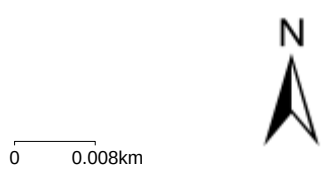
Page 8



Enquiry Number: 111079803

Map Sheet: 7

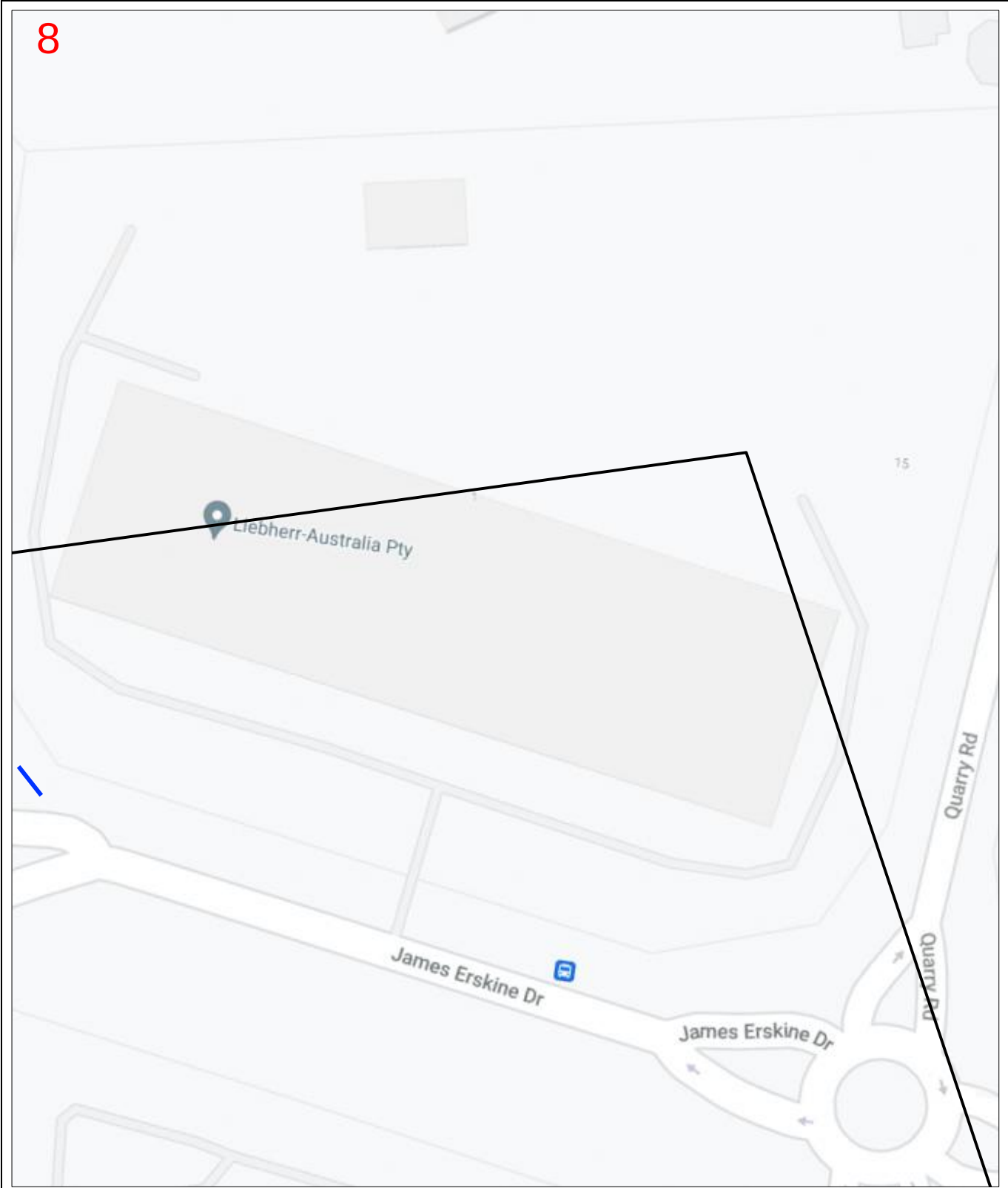
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LEGEND

DBYD 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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Enquiry Number: 111079803

Map Sheet: 8

Scale: 1: 750

00.008km

N

LEGEND

DBYD Work Area

AAPT/PowerTel Pit

AAPT/PowerTel Duct

DDA Pit

DDA Duct

Agile/Adam Pit

Agile/Adam Duct

TransACT Pit

TransACT Duct

SOUL Pattinson Telecoms Pit

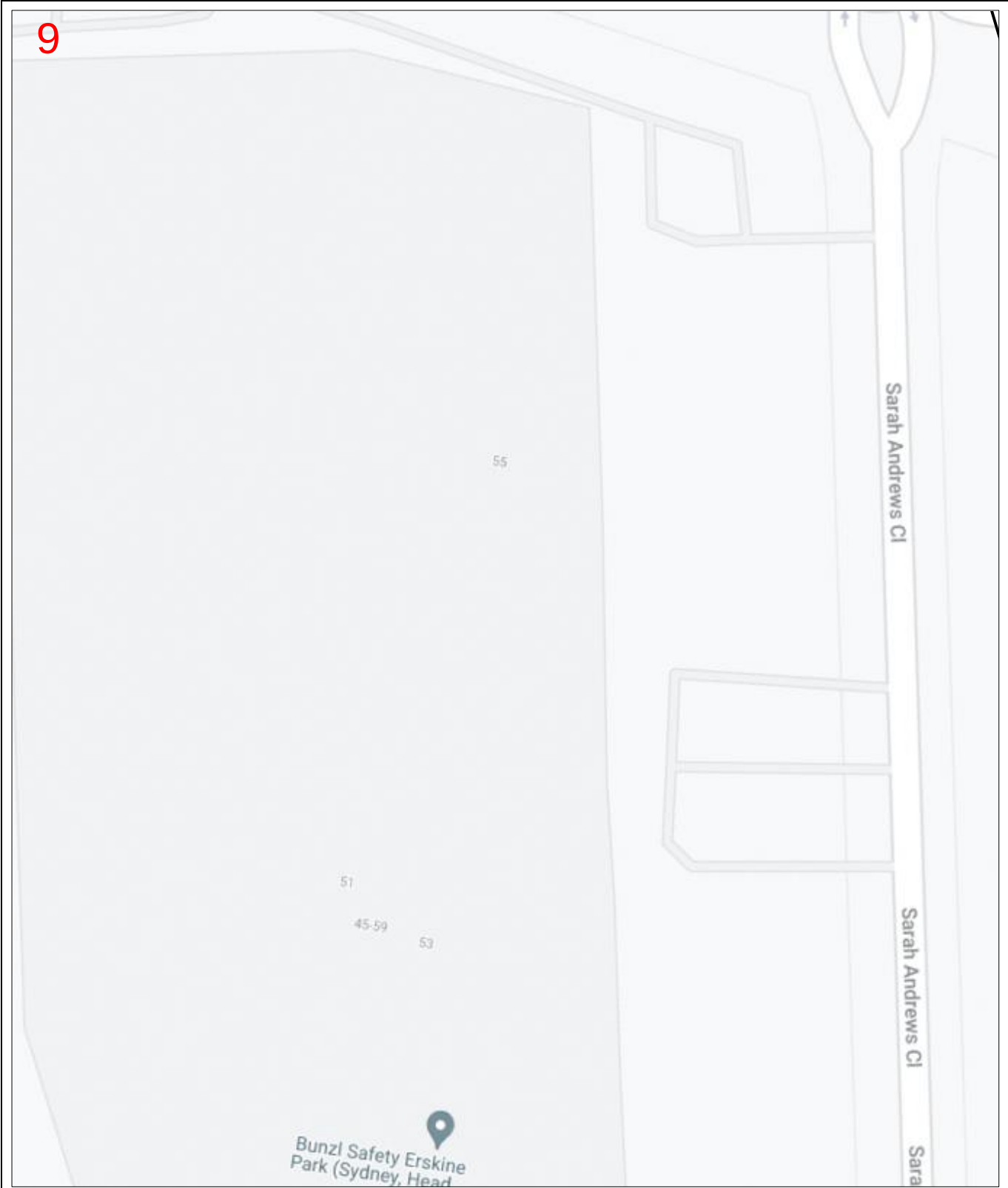
SOUL Pattinson Telecoms Duct

PIPE Networks Pit

PIPE Networks Duct

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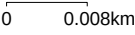
Page 10



Enquiry Number: 111079803

Map Sheet: 9

Scale: 1: 750

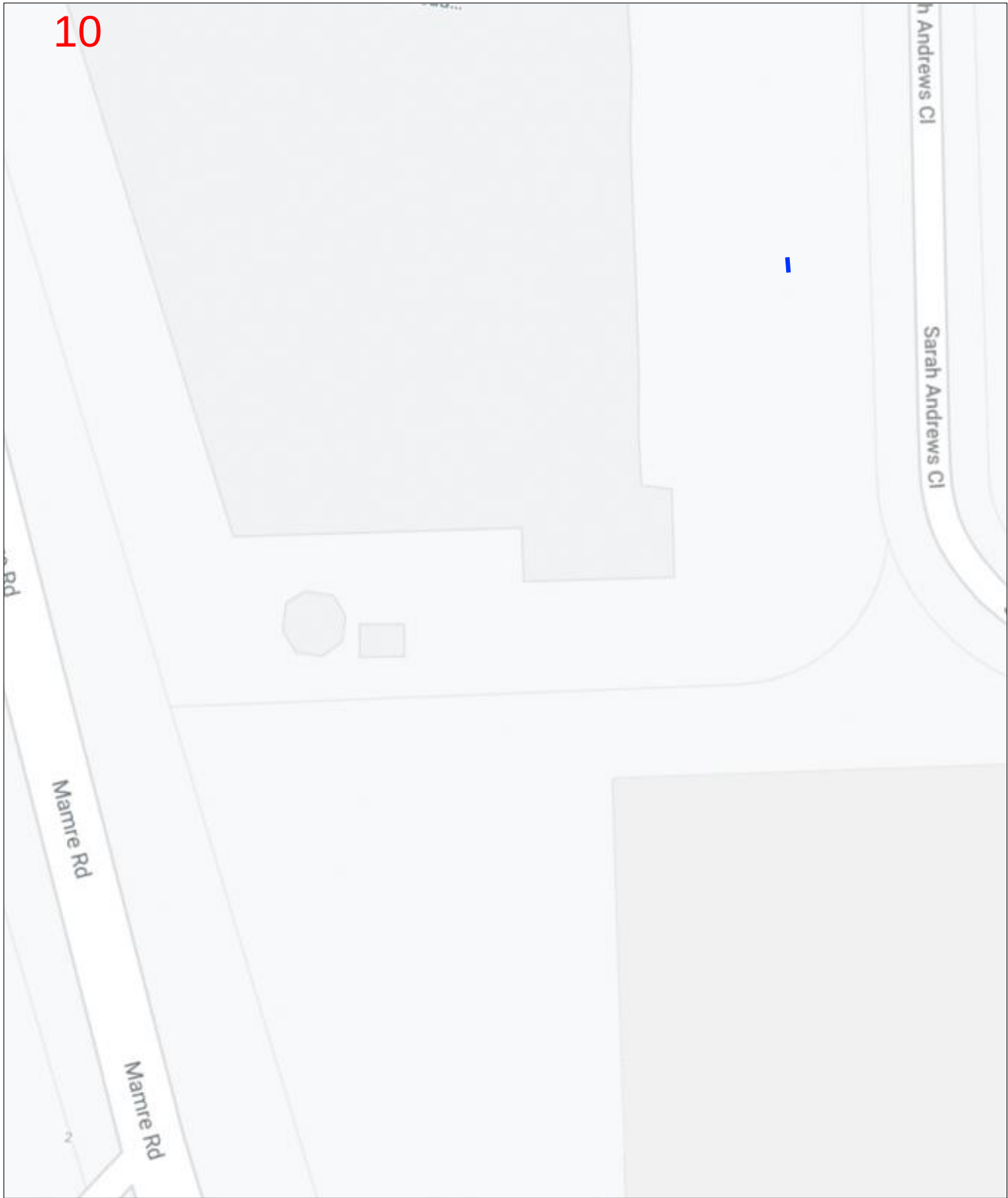


LEGEND

DBYD 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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Enquiry Number: 111079803

Map Sheet: 10

Scale: 1: 750

0 0.008km



LEGEND

DBYD Work Area



AAPT/PowerTel Pit



AAPT/PowerTel Duct



DDA Pit



DDA Duct



Agile/Adam Pit



Agile/Adam Duct



TransACT Pit



TransACT Duct



SOUL Pattinson Telecoms Pit



SOUL Pattinson Telecoms Duct



PIPE Networks Pit



PIPE Networks Duct



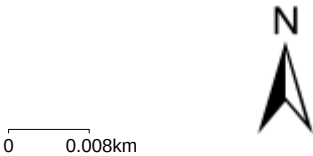
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Enquiry Number: 111079803

Map Sheet: 11

Scale: 1: 750



LEGEND

DBYD 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	

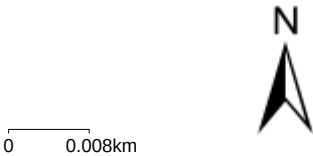
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Enquiry Number: 111079803

Map Sheet: 12

Scale: 1: 750



LEGEND

DBYD 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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13



Sarah Andrews Cl

Sarah Andrews Cl

Sarah Andrews Cl

Enquiry Number: 111079803

Map Sheet: 13

Scale: 1: 750

0 0.008km



LEGEND

DBYD Work Area



AAPT/PowerTel Pit



AAPT/PowerTel Duct



DDA Pit



DDA Duct



Agile/Adam Pit



Agile/Adam Duct



TransACT Pit



TransACT Duct



SOUL Pattinson Telecoms Pit



SOUL Pattinson Telecoms Duct



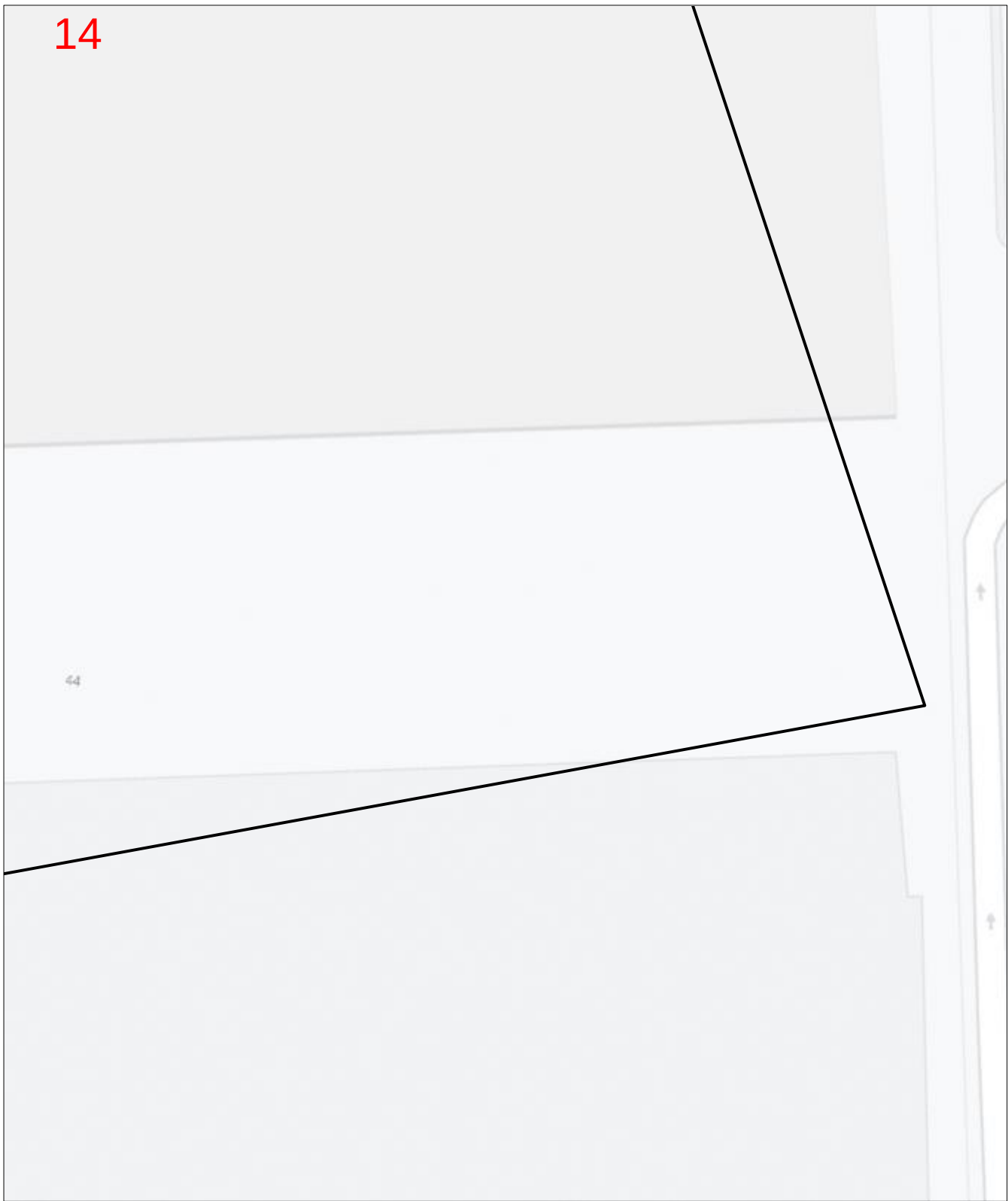
PIPE Networks Pit



PIPE Networks Duct



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Enquiry Number: 111079803

Map Sheet: 14

Scale: 1: 750

0 0.008km



LEGEND

DBYD Work Area



AAPT/PowerTel Pit



AAPT/PowerTel Duct



DDA Pit



DDA Duct



Agile/Adam Pit



Agile/Adam Duct



TransACT Pit



TransACT Duct



SOUL Pattinson Telecoms Pit



SOUL Pattinson Telecoms Duct



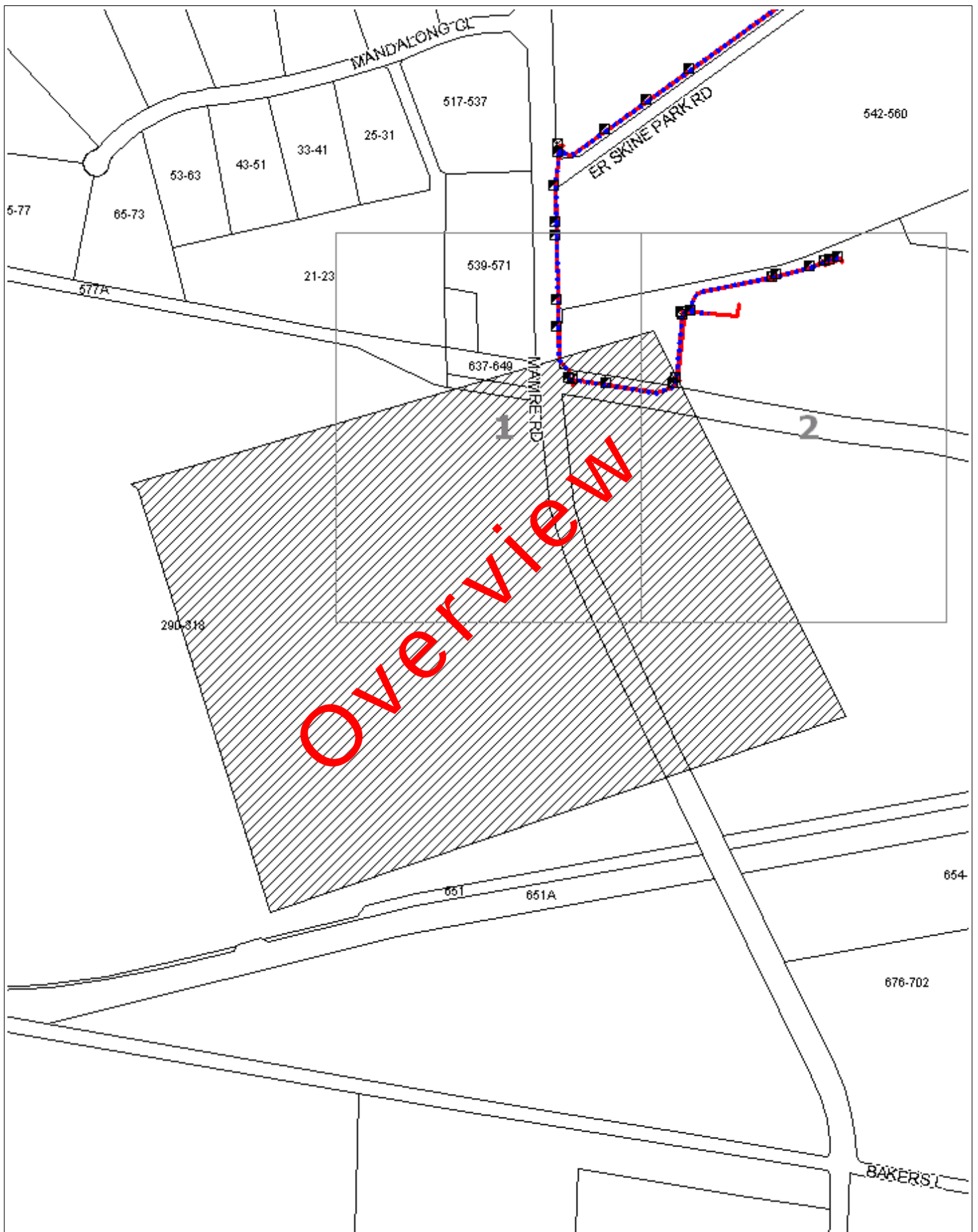
PIPE Networks Pit



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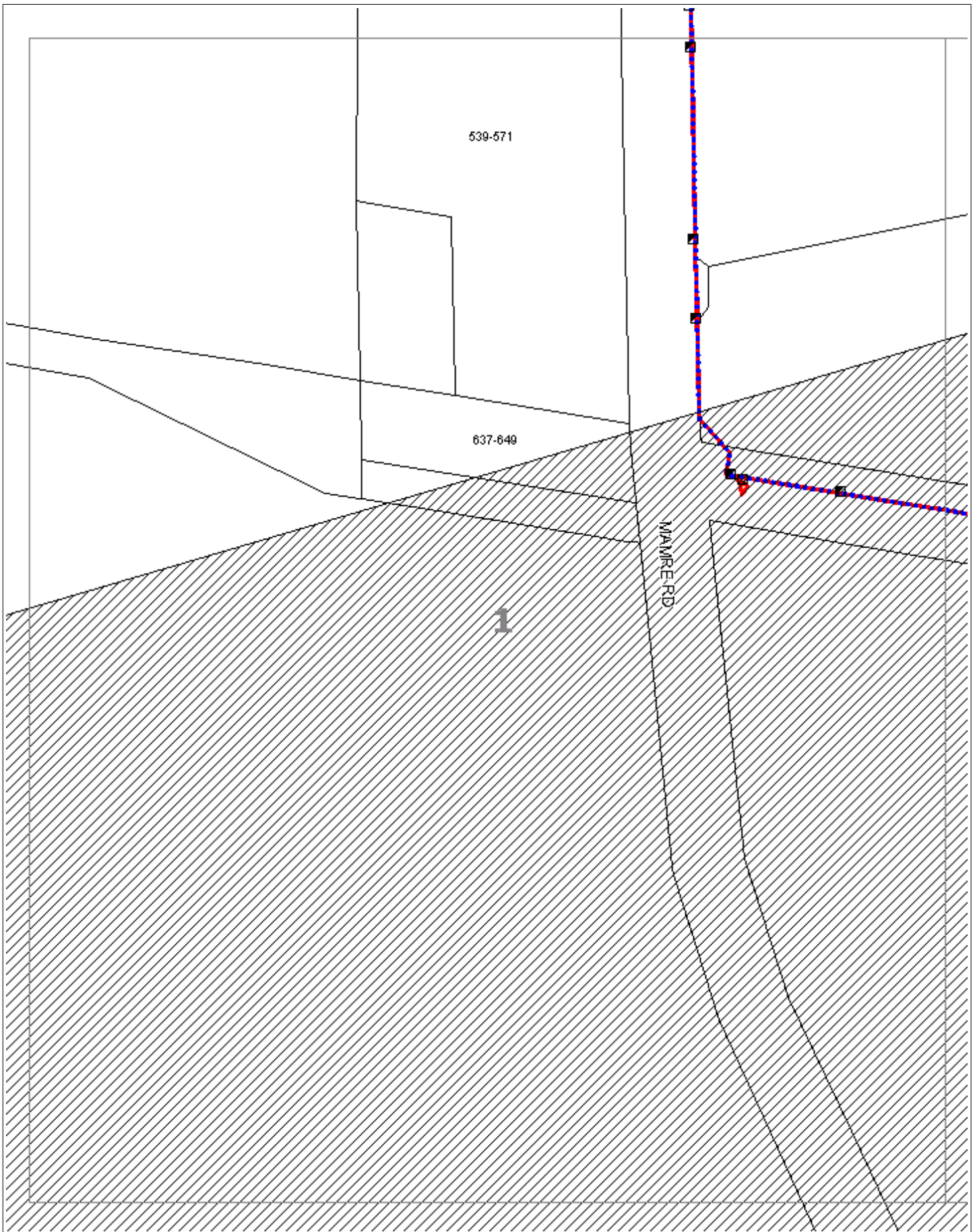
Sequence Number: 111079806

Date Generated: 22/06/2021



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





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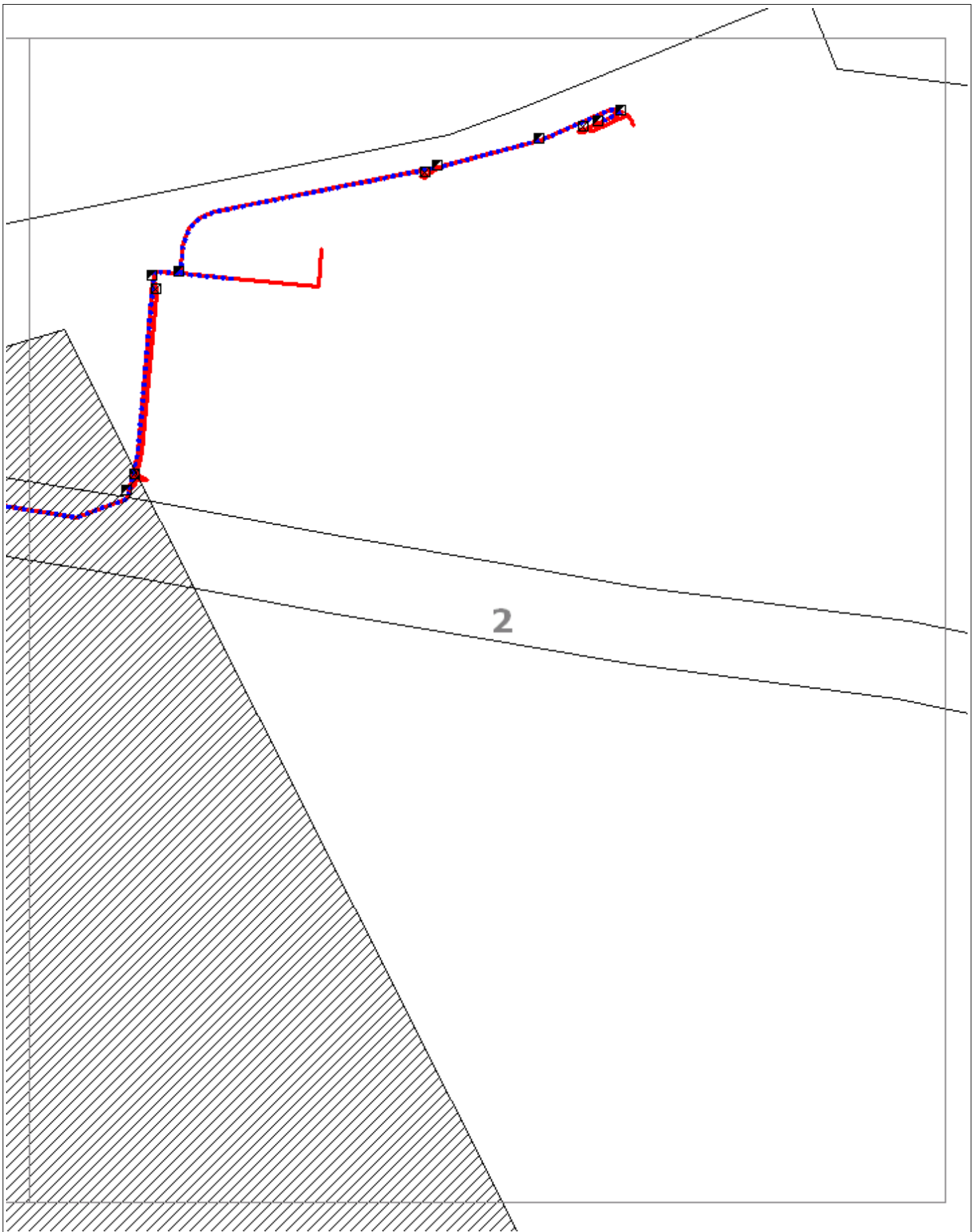
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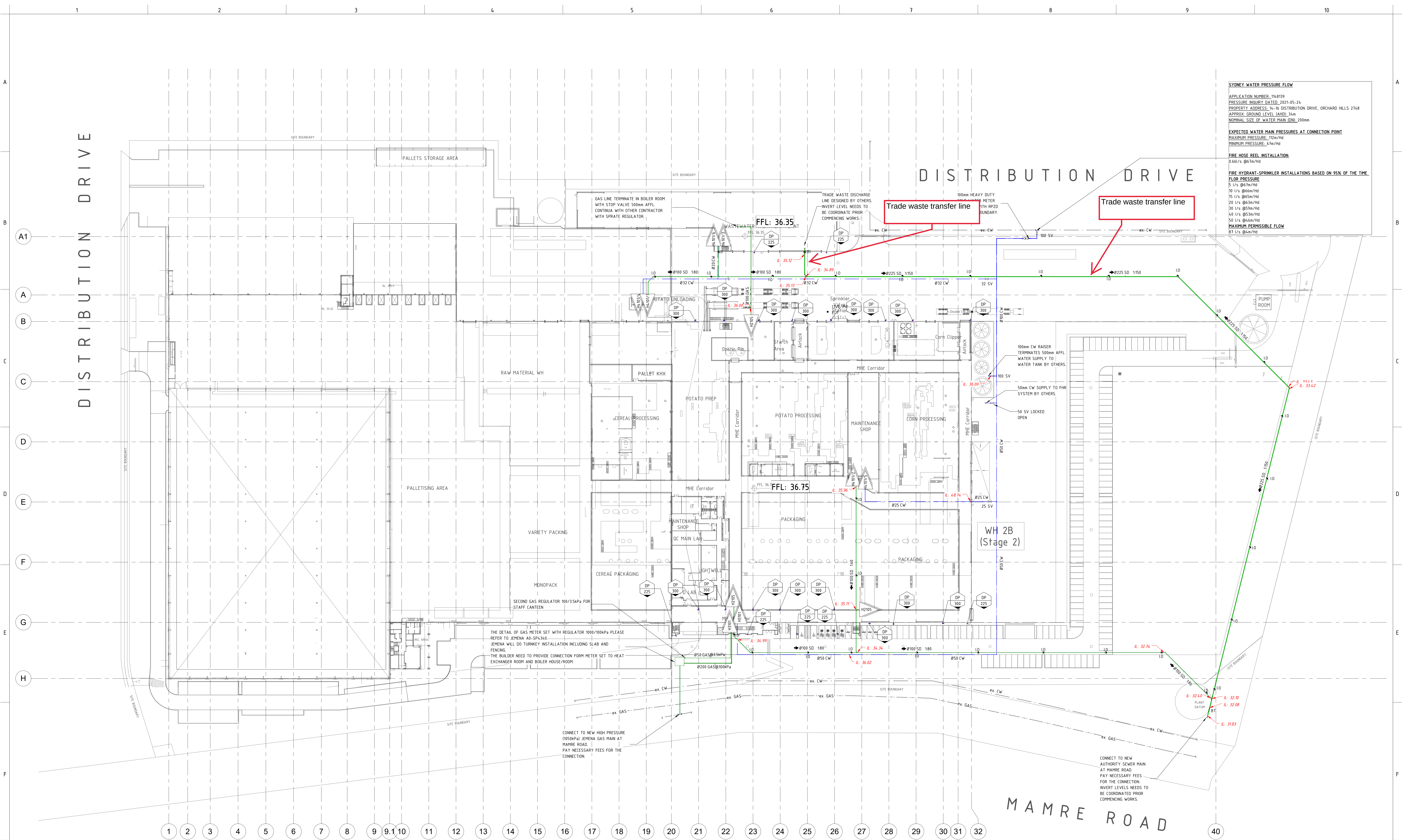
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SYDNEY WATER PRESSURE FLOW
APPLICATION NUMBER: 1164139
PRESSURE INQUIRY DATED: 2021-05-24
PROPERTY ADDRESS: 14-16 DISTRIBUTION DRIVE, ORCHARD HILLS 2748
APPROX. GROUND LEVEL (AHD): 34m
NOMINAL SIZE OF WATER MAIN (DN): 200mm

EXPECTED WATER MAIN PRESSURES AT CONNECTION POINT
MAXIMUM PRESSURE: 112m/Hd
MINIMUM PRESSURE: 67m/Hd

FIRE HOSE REEL INSTALLATION:
0.66l/s @67m/Hd

FIRE HYDRANT-SPRINKLER INSTALLATIONS BASED ON 95% OF THE TIME
FLOOR PRESSURE
5 l/s @67m/Hd
10 l/s @66m/Hd
15 l/s @65m/Hd
20 l/s @63m/Hd
30 l/s @59m/Hd
40 l/s @53m/Hd
50 l/s @46m/Hd
MAXIMUM PERMISSIBLE FLOW
87 l/s @4m/Hd

DATE	AMENDMENT	INIT	REV	DATE	AMENDMENT	INIT	REV
16.07.21	PRELIMINARY ISSUE	JC	1				
23.07.21	TENDER ISSUE	LS	2				

DATE	SCALE	DESIGNED	CHECKED	VS
JUNE 2020	1 : 500	JC	JC	VS
21141				

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DATE	SCALE	DESIGNED	CHECKED	VS
JUNE 2020	1 : 500	JC	JC	VS
21141				

STRUCTURAL

MECHANICAL

ELECTRICAL

CIVIL

CLIENT

snackbrands
AUSTRALIA

OWNER

TMX
Invent tomorrow

PROJECT

SNACK BRANDS HORIZON
685-649 MAMRE ROAD
ORCHARD HILLS, NSW 2748

ARCHITECT

hla
architects

SPARKS+PARTNERS
CONSULTING ENGINEERS
HYDRAULIC / CIVIL / FIRE

Level 1, 91 George Street | Paramatta | NSW 2150
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FPA
FEDERAL PROFESSIONAL ASSOCIATION
CORPORATE MEMBER

DNV-GL
100 ISO 9001

HCAA

DRAWING TITLE

HYDRAULIC SERVICES
SITE PLAN

DATE

JUNE 2020

PROJECT No

21141

DRAWING No

H2101

2