PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV2018/960

Date: 10 December 2019

Queensland Government

Infrastructure Services Report

Maroochydore SP2, Dalton Drive Maroochydore Queensland, Stage 1

V171462

Prepared for
Maroochydore Spotlight Property 2 Pty Ltd
C/O Blueprint Group Australia Pty Ltd

13 September 2019

Cardno
Shaping the Future

Document Information

Prepared for	Maroochydore Spotlight Property 2 Pty Ltd C/O Blueprint Group Australia Pty Ltd
Project Name	Maroochydore SP2, Dalton Drive Maroochydore Queensland, Stage 1
File Reference	V171462- Infrastructure Service Report- V9_2019-09-13.docx
Job Reference	V171462
Date	13 September 2019

Contact Information

Cardno Victoria Pty Ltd
Trading as Cardno
ABN 47 106 610 913

Level 4
501 Swanston Street
Melbourne
Victoria 3000 Australia

Telephone: (03) 8415 7777
Facsimile: (03) 8415 7788
International: +61 3 8415 7777

victoria@cardno.com.au
www.cardno.com

Document Control

Version	Date	Author	Author Initials	Reviewer	Reviewer Initials
02	22/11/2017	Andi Davari	AD	Hugh McCormick	HMcC
03	27/08/2018	Elissa Hui	EH	Hugh McCormick	HMcC
04	30/08/2018	Elissa Hui	EH	Hugh McCormick	HMcC
05	22/10/2018	Elissa Hui	EH	Hugh McCormick	HMcC
06	22/03/2019	Elissa Hui	EH	Hugh McCormick	HMcC
07	29/03/2019	Elissa Hui	EH	Hugh McCormick	HMcC
08	11/09/2019	Jorge Cotrim	JC	Hugh McCormick	HMcC
09	13/09/2019	Jorge Cotrim	JC	Hugh McCormick	HMcC

Table of Contents

Appendices

Tables

Figures

1 Introduction

Cardno has been engaged by Maroochydore Spotlight Property 2 Pty Ltd C/O Blueprint Group Australia Pty Ltd to investigate the required infrastructure services for the proposed large format retail development including a Spotlight and other tenancies. Specifically, the development application is being sought for “A development permit for Material Change of Use – Showroom, Food & Drink Outlet, Market and Gymnasium”.

As a part of this investigation, we have reviewed existing services asset information and liaised with the relevant authorities regarding servicing and development planning strategies to cater for the development of this site.

This report summarises the outcomes of this investigation.

2 Site Description

The site has an area of 4.35 ha, of which approximately 2.25 ha of the southern portion will be developed as part of the Stage 1 development. The subject site is bounded by Dalton Drive to the west and south, residential townhouses to the south-east and the MCC PDA site (currently being developed by SunCentral Maroochydore Pty Ltd) to the north and north-east. The subject site is part of the Cornmeal Creek catchment.

The site is currently grassed and with relatively flat terrain. The Stage 1 development area generally slopes in a south-easterly direction towards Dalton Drive. The surface level of the Stage 1 development area ranges from approximately 3.0 mAHD to 4.0 mAHD.

Authority infrastructure services are located in Dalton Drive, including:

- Stormwater drainage in the south-east corner
- Sewerage connection in the south-east corner
- Water supply on the west side of the site, midway along Dalton Drive
- Electricity supply from underground HV cable network in Dalton Drive
- Communications service from NBN, Telstra and Optus in Dalton Drive.

Plans obtained from the relevant authorities have been included as Appendix A.

Figure 2-1 Site Location

Table 2-1 Site Identification Details

Item	Details
Applicant	Maroochydore Spotlight Property 2 Pty Ltd
Site Address	53-91 Dalton Drive, Maroochydore QLD 4558
Real Property Description	Lot 1 on SP202103
Area	4.35 ha
Planning Scheme	Maroochydore City Centre Priority Development Area Development Scheme
Zone	Principal Centre (CBD) Zone
Precinct	Precinct 8 – Dalton Drive
Development Proposal	The proposal seeks a Development Permit for a Material Change of Use for Showroom

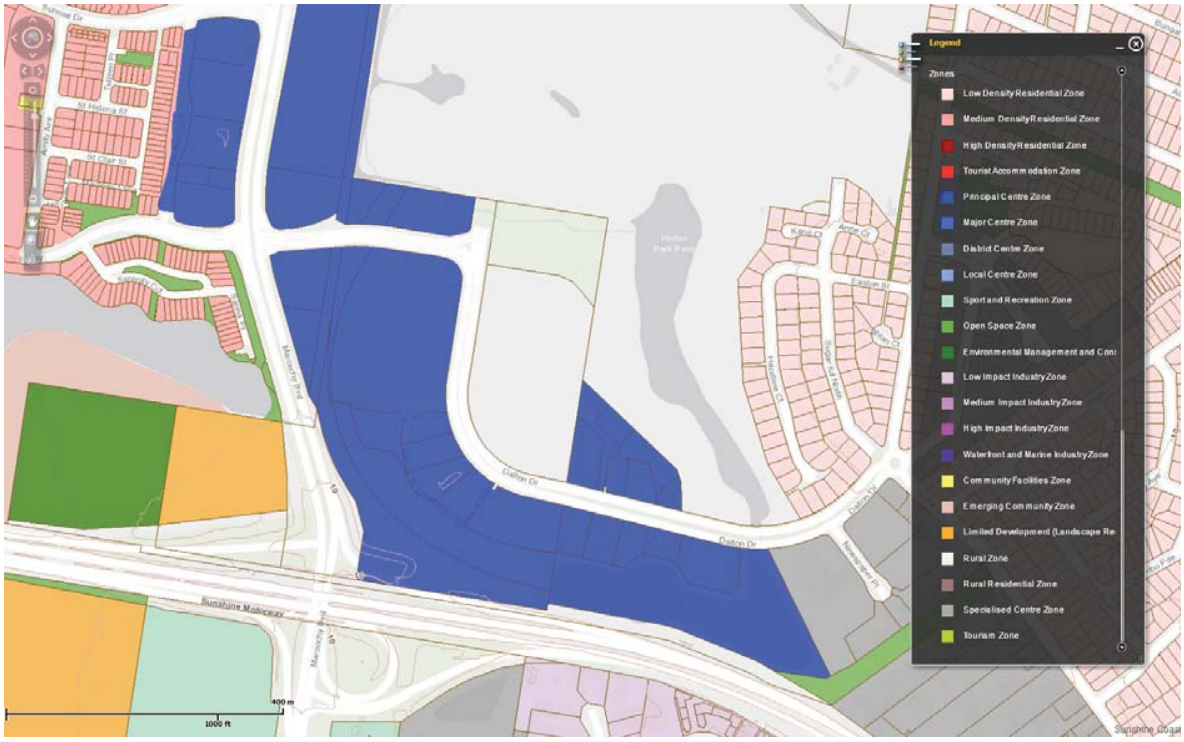


Figure 2-2 Site Zoning (Source: Sunshine Coast Planning Scheme)

3 Development Proposal

3.1 Summary

The proposed site development plan is shown in Figure 3-1. Stage 1 of the development consists of large format retail with associated car parking. During Stage 1 of the development, vacant lots on the northern boundaries will be retained. An access road to the south, connecting to Dalton Drive, will be provided during Stage 1. This access road will require modification of the existing stormwater network, which has an invert level of 1.65 mAHD. Therefore a new connection point for the neighbouring lots may be required, to ensure that this area can continue to freely drain. The roof area from the proposed building and the carpark area will be drained towards the south, replicating the existing catchment area draining towards this location.

Infrastructure service connections for stormwater, sewerage, water supply, electricity and communications will be from Dalton Drive. Proposed levels plans and drainage layouts are included in Appendix B.

3.2 Proposed Site Levels

The minimum floor level for the development in the Stormwater Management Plan is 4.20m.

The minimum floor level references the local site flooding, and this is controlled by the surface levels of Dalton Drive and the internal carpark for Stage 1. The surface levels in the carpark are controlled by fitting in with surrounding surface levels, providing sufficient flood immunity, an overland flow path for surface runoff in high rainfall events and enough grade through the car park.

The proposed floor levels are as follows:

- Stage 1 tenancies floor level is 4.20m and at-grade carpark grades from 3.50m in the carpark valley up to 4.10m on the northern side of the car park.
- Future northern development to be approximately 4.20m, to be confirmed when this area is developed and to provide protection to overland flow.

The approximate earthworks volumes for Stage 1 are as follows:

- Stage 1 cut volume approximately 1,500 cub.m
- Stage 1 fill volume approximately 7,400 cub.m.

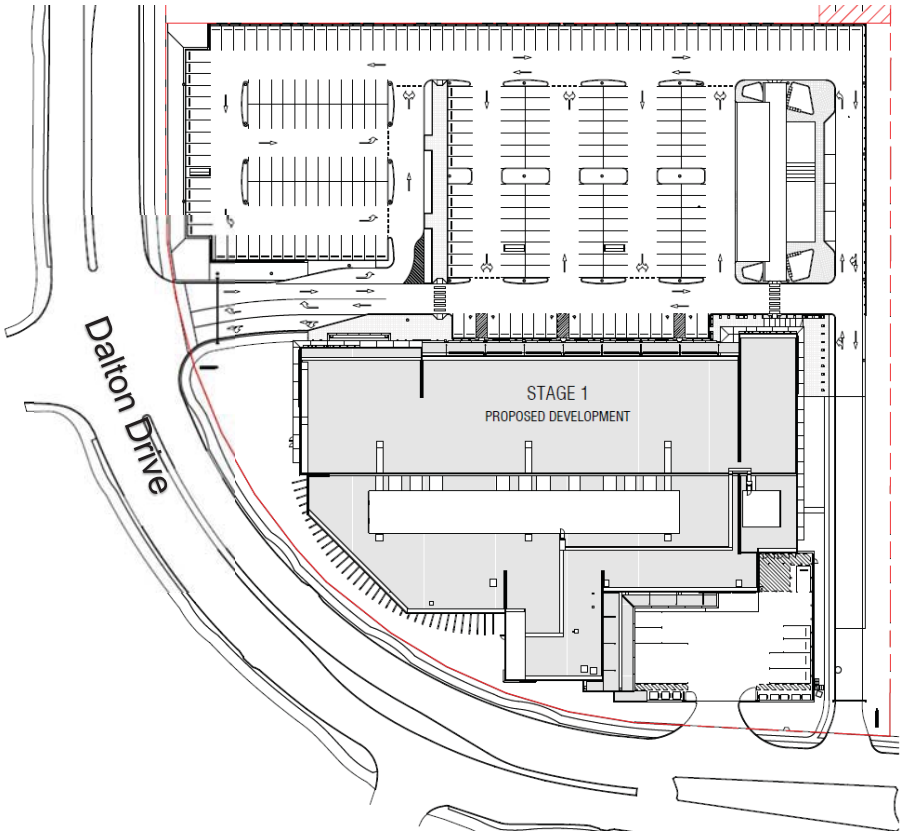


Figure 3-1 Proposed Development—Stage 1

4 Development Infrastructure

4.1 Drainage Infrastructure

The Sun Shine Coast Council is the responsible authority for drainage facilities for the site. The existing Stormwater infrastructure plan shows that there are stormwater networks in the north junction of Dalton Drive crossing to the south and west of the road and also stormwater pipe links are located in the south of the site in the Dalton Drive, feeding the private properties in the south east.

Cardno has prepared a Stormwater Management Plan report for this development, refer to this report for specific details on the stormwater requirements. The following summarises the preliminary findings.

The carpark area will have stormwater drainage directed towards the east and west, with the eastern side discharging into a proposed 525 mm RCP. This 525 mm RCP then connects into a 600 mm RCP, heading south before discharging into the existing council drainage located near the south-east corner of the property at Dalton Drive. The western carpark area will drain to the existing council drainage located to the south west on Dalton Drive.

The main building envelope will be split with 50% draining via a syphonic system to the 600 mm RCP located on the eastern boundary and 50% draining via a syphonic system to the council drainage system located to the south west on Dalton Drive. All stormwater will be treated by end of line treatment devices before discharge into the respective outlets.

The proposed development of Stage 1 has been shown through MUSIC modelling to satisfy the proposed stormwater quality requirements. The proposed stormwater treatment includes:

> Bio-retention gardens planted with trees on the southern boundary;

> 80kL rainwater tank used for toilet flushing and irrigation; and

> Stormwater360 Enviropod litter baskets on all field and kerb inlets.

The stormwater treatment required for the northern carpark area is proposed to be provided by Enviropod's and bio-retention basins located on the south east and south west corners of the Lot. Treated stormwater will then discharge into the proposed 525 mm RCP on the east and existing council drainage on the west. Approximately 50% of the main roof area on the southern section will drain to the western bio-retention system which will then discharge into council drainage on Dalton Drive. The other 50% will drain to a 80kL rainwater tank, assumed to be used for toilet flushing and irrigation. If the tank is full it will overflow into the eastern bio basin.

The eastern basin will be approximately 4 metres wide by 13 metres long. The filter width will be 4 metres wide with 1 in 1 batters. The filter depth will be 0.8 metres to allow for tree planting. The extended detention depth will be 200 mm. The western basin will be approximately 7 metres wide by 10 metres long. The filter width will be 7 metres wide with 1 in 3 batters. The filter depth will be 0.8 metres to allow for tree planting. The extended detention depth will be 200 mm. While two bio basins are proposed the exact number of bio basins, size and location is yet to be confirmed with the ultimate arrangement to be determined during detailed design.

An 80kL rainwater tank has been assumed to be used for toilet flushing and irrigation. Half of the available roof area has been assumed to be directed towards the rainwater tank. However, this should be increased if possible to improve the efficiency of the tank.

Litter baskets are assumed to be installed on all field and kerb inlets in order to remove litter and provide pre-treatment of flows entering the end of line treatment device.

4.2 Sewerage Reticulation

UnityWater is the responsible authority for the provision of sewerage reticulation facilities for the development. Sewerage connection is available at Dalton Drive on the south-east corner of site. The connection size is 150mm and the depth of the sewer will need to be confirmed, it is shown as -0.42m on the authority web data base. The sewer outfall is a 225mm pipe on the southern side of Dalton Drive and connects to a pump station to the east. The 150mm sewerage pipe is intended to serve the full lot and may need to be upgraded for the future development. Sewerage mains are shown as brown lines in Figure 4-1.

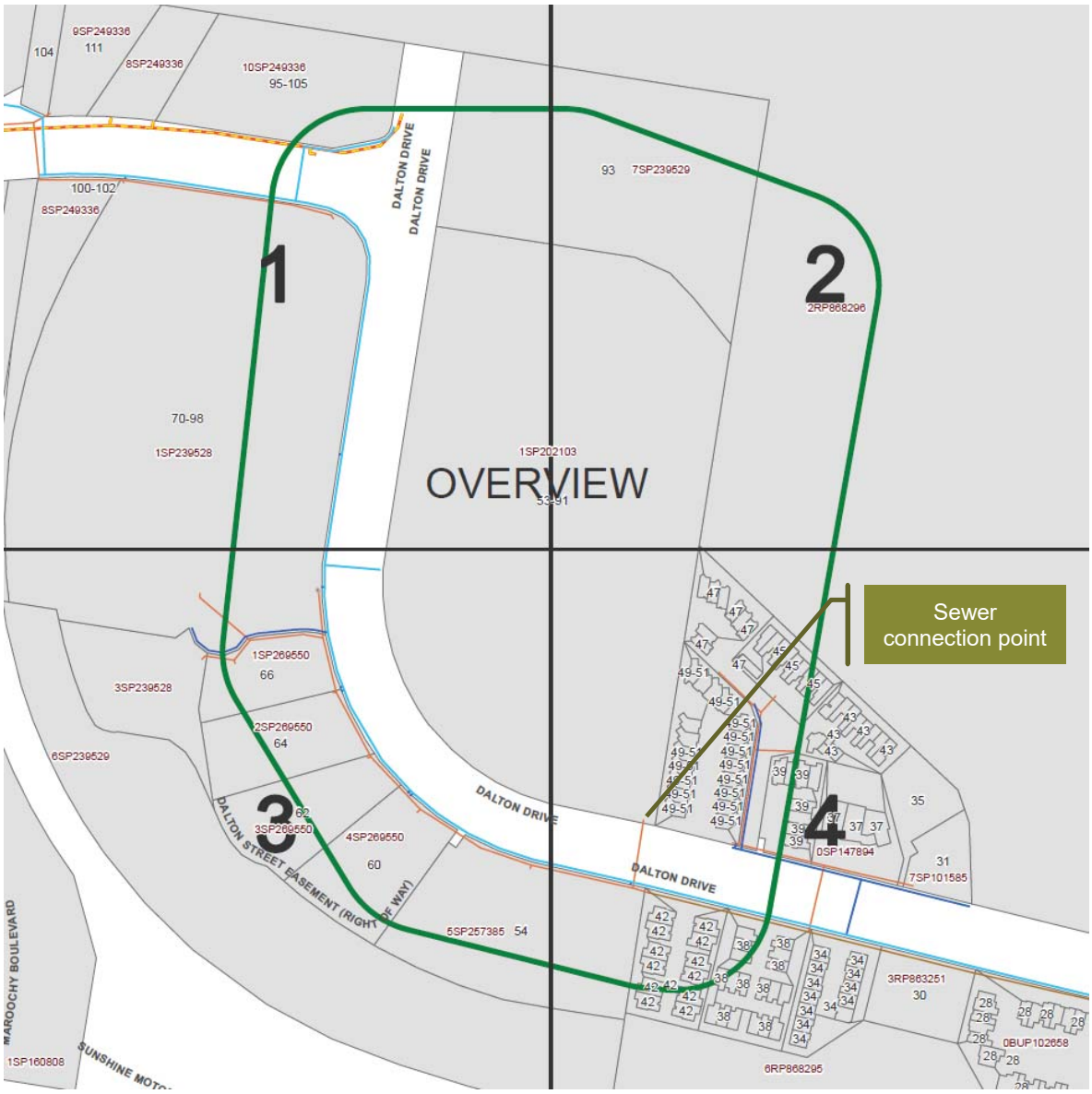


Figure 4-1 Sewer connection point.

4.3 Water Supply

UnityWater is the responsible authority for the provision of water supply reticulation facilities for the development. Authority asset plans indicate a connection point off Dalton Drive crossing to the site. The plan does not show the pipe diameter and existing pressure and flow information is not currently available. Water mains are shown as blue lines in Figure 4-2.

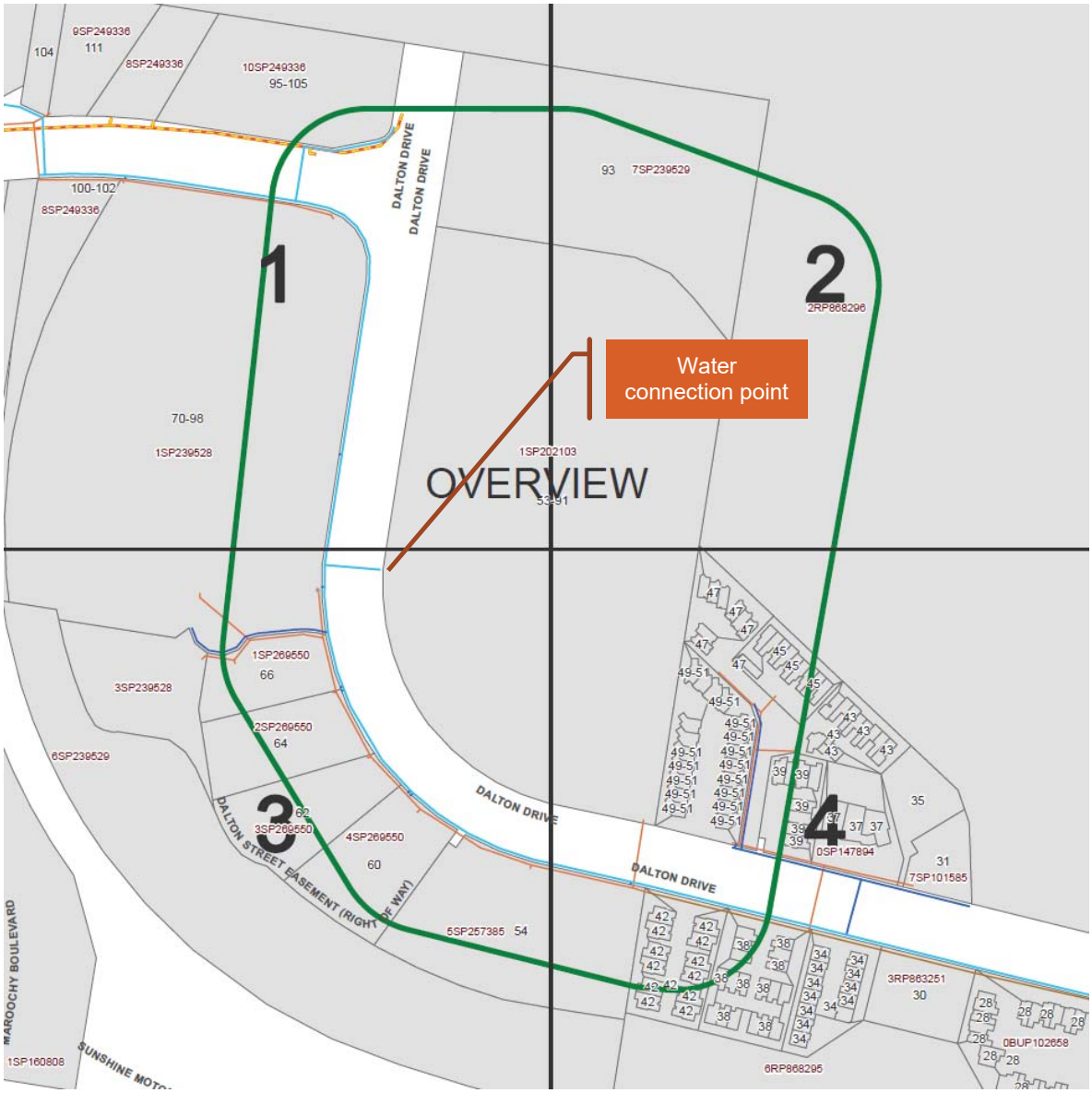


Figure 4-2 Water connection point.

4.4 Electricity Supply

Energex is the responsible authority for the provision of electricity supply facilities for the development. Authority asset information specifies underground high voltage cable running along Dalton Drive which is sufficient asset to provide supply to the development.

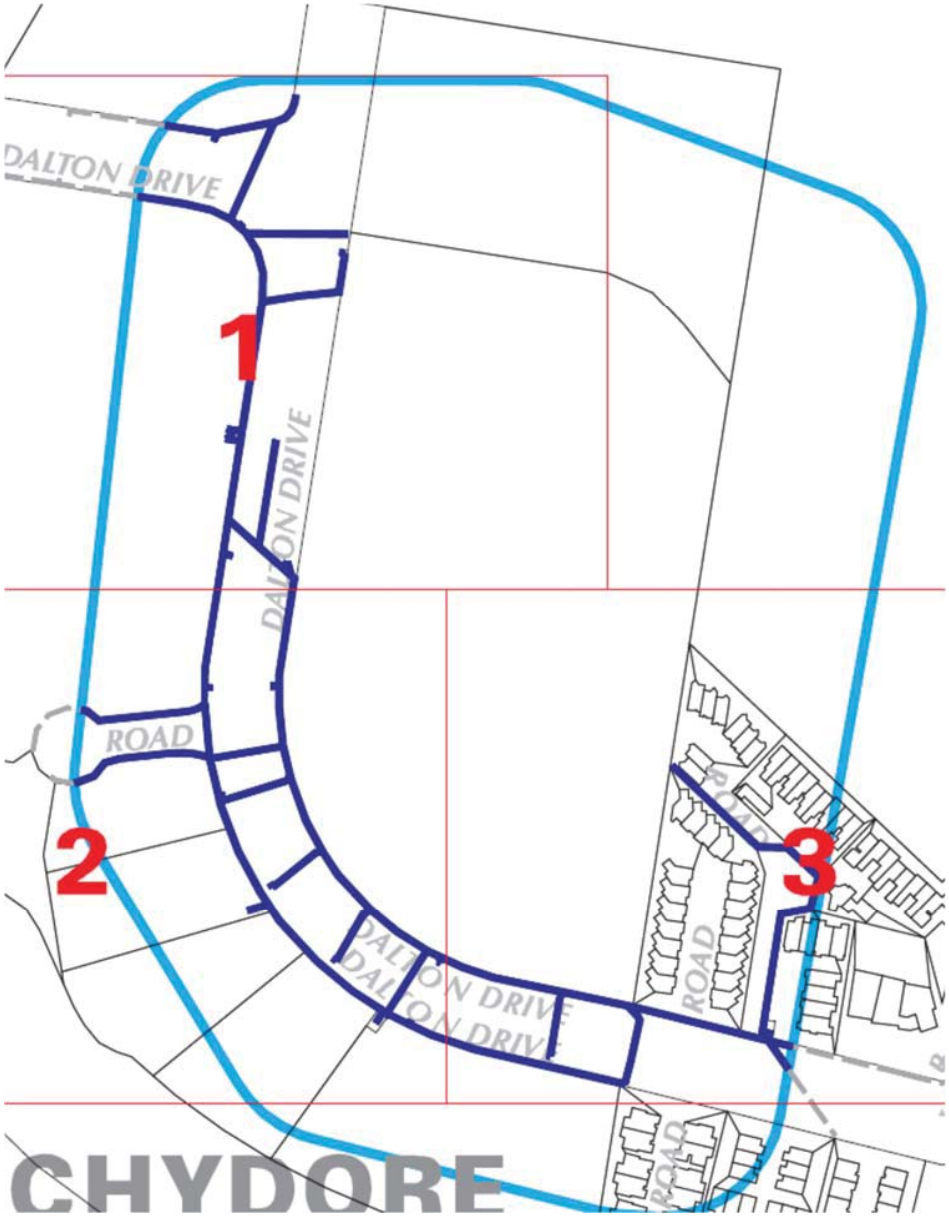


Figure 4-3 Energex HV underground cable plan.

4.5 Telecommunications

Telstra are the responsible authority for the provision of telecommunications facilities to the development. Asset information provided by Telstra indicates that there is a main cable network with four cable jointing pit running on East side of the Dalton Drive which is around the southwest boundary of the site.

NBN's records indicate that there is a NBN cable network on the west side of the Dalton Drive and crossing to the south side of the site to provide services for private properties.

Optus's plan discloses that there is an underground fibre optic telecommunications cable along the west side of the Dalton Drive.

It is expected that these authorities will extend supply infrastructure to the site from the development in accordance with standard industry practice.

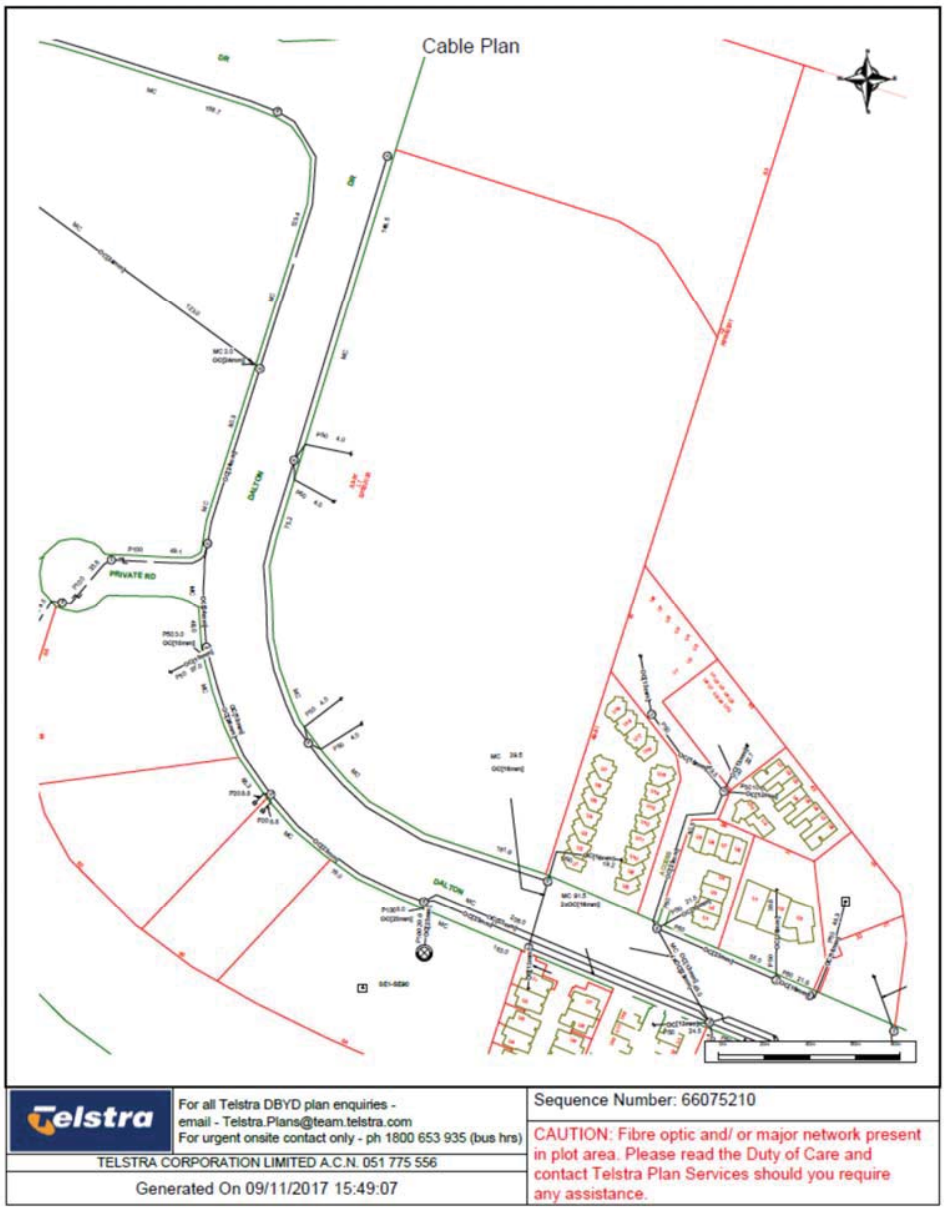


Figure 4-4 Telstra underground cable plan.

5 Summary

Our investigations have determined that the infrastructure required to cater for the development of the site can be readily provided within the framework of the infrastructure planning for the precinct by the relevant authorities.

Augmentation of the local reticulation infrastructure along Dalton Drive is viable and facilitating this will extend service capacity for the full development.

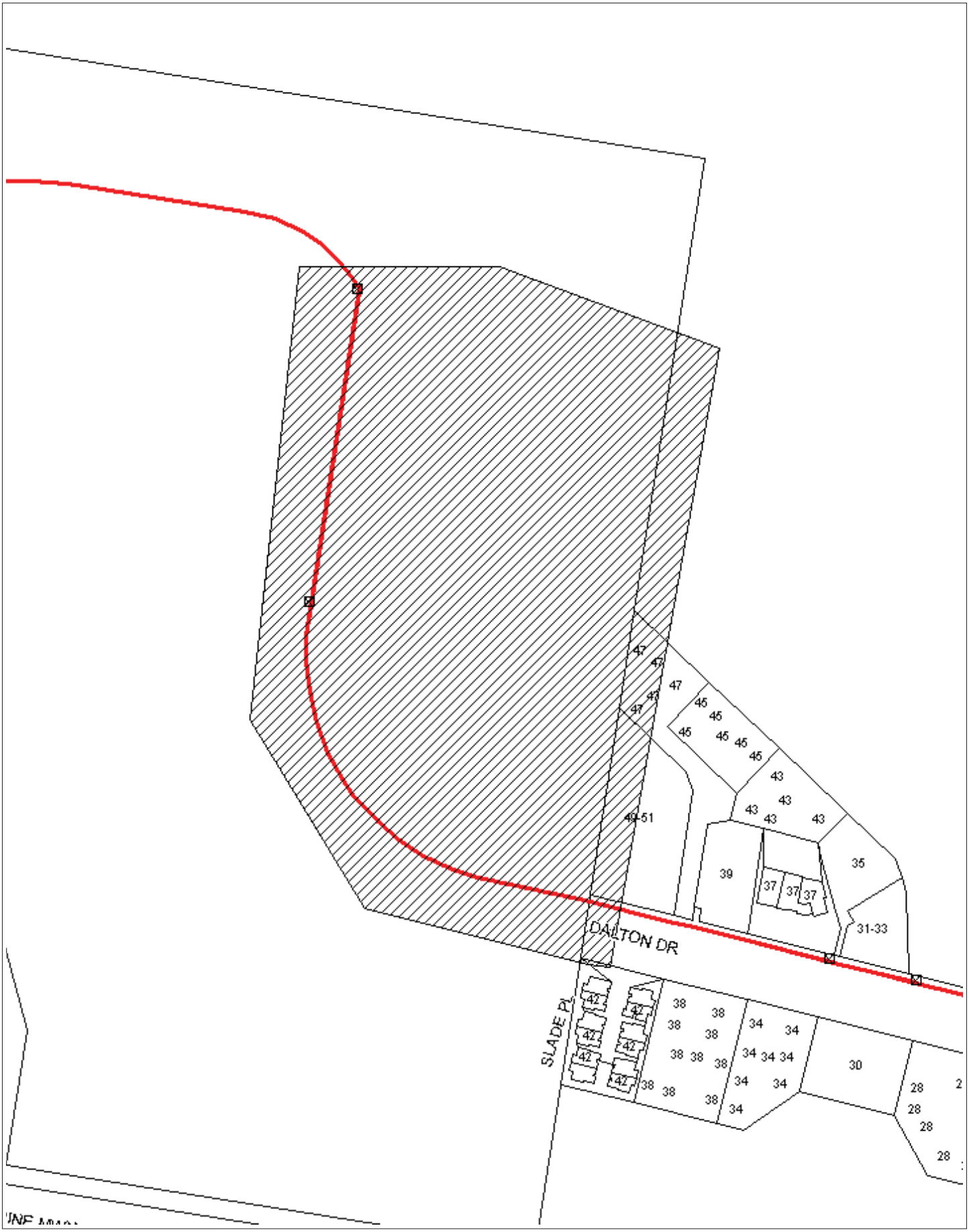
Fill volume in the order of 7,400 cub.m, is required in the formation of the carpark area.

Maroochydore SP2, Dalton Drive
Maroochydore Queensland, Stage 1

APPENDIX A

DBYD SERVICE AUTHORITY INFORMATION

Cardno
Shaping the Future



Sequence Number: 66075211

Date Generated: 09/11/2017

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

Indicative Plans

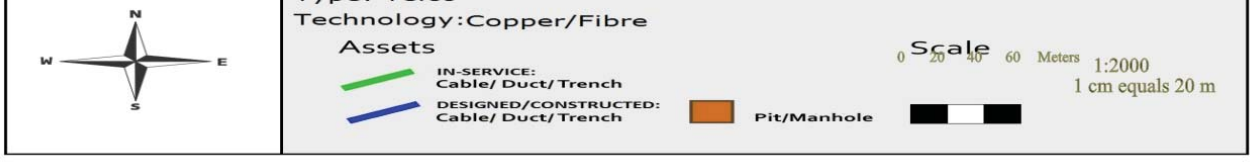
Issue Date:	09/11/2017
Location:	Dalton Drive,Maroochydore,QLD-4558

DIAL BEFORE YOU DIG www.1100.com.au

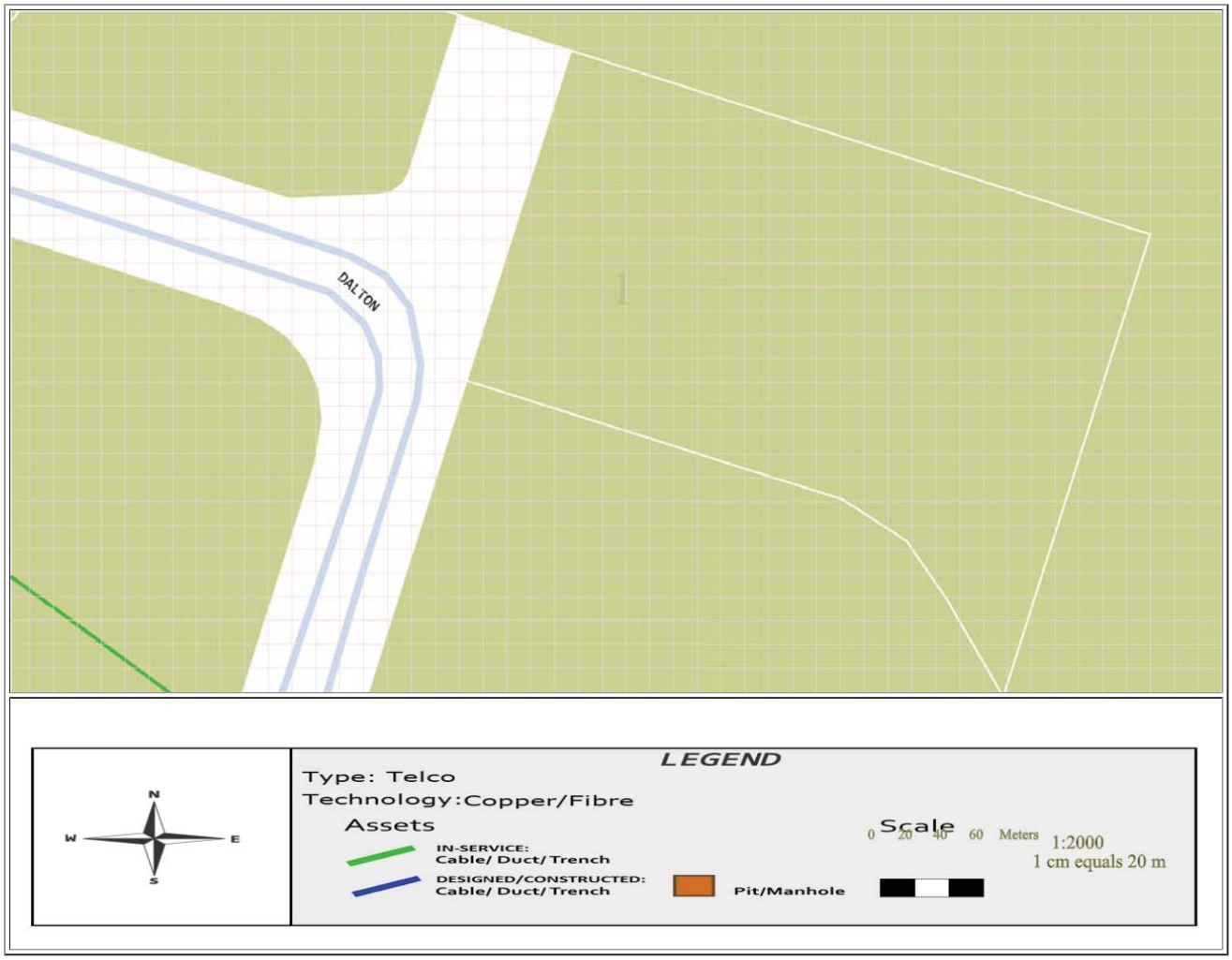
1

2

3

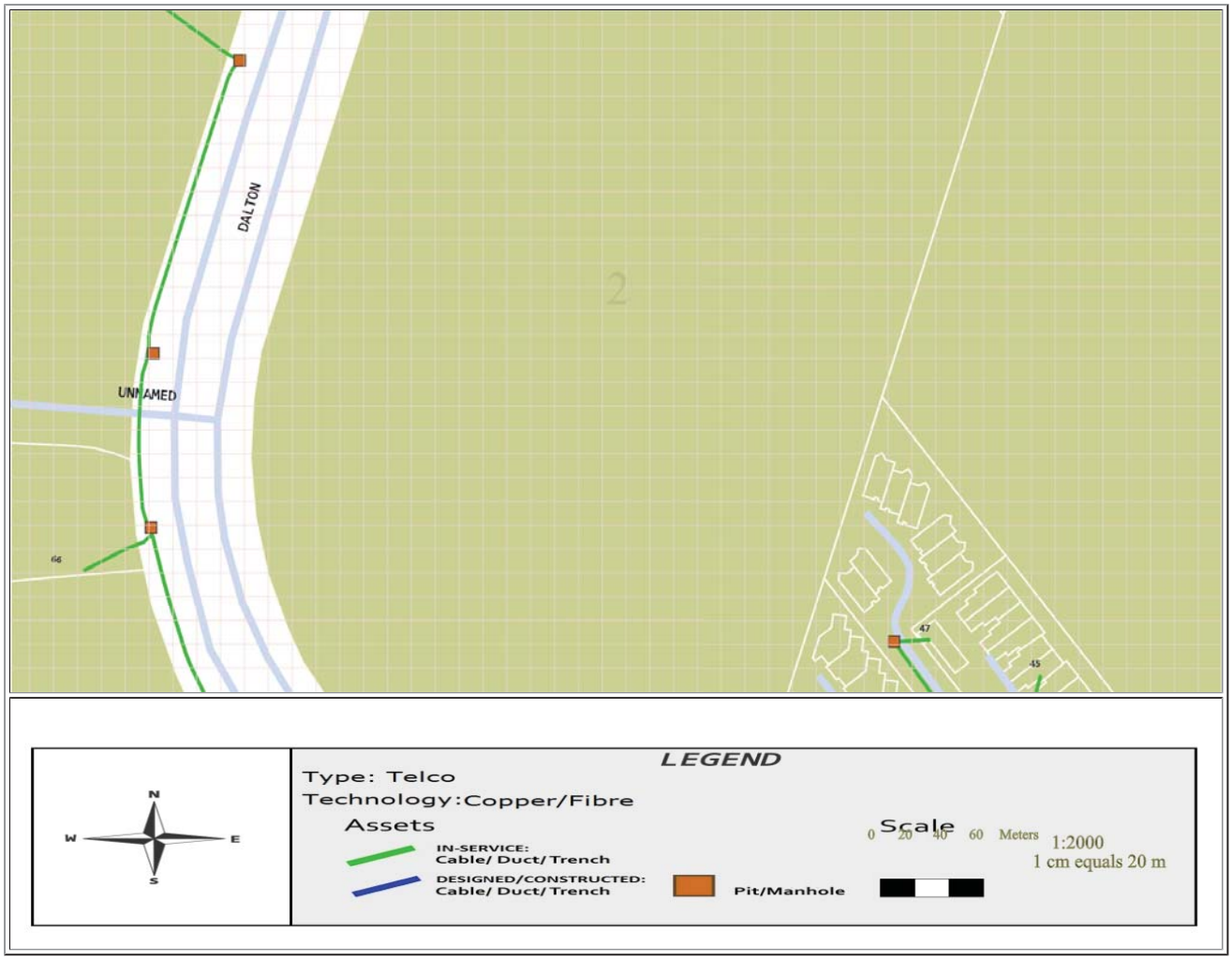


Email info@nbn.com.au Web nbn.com.au

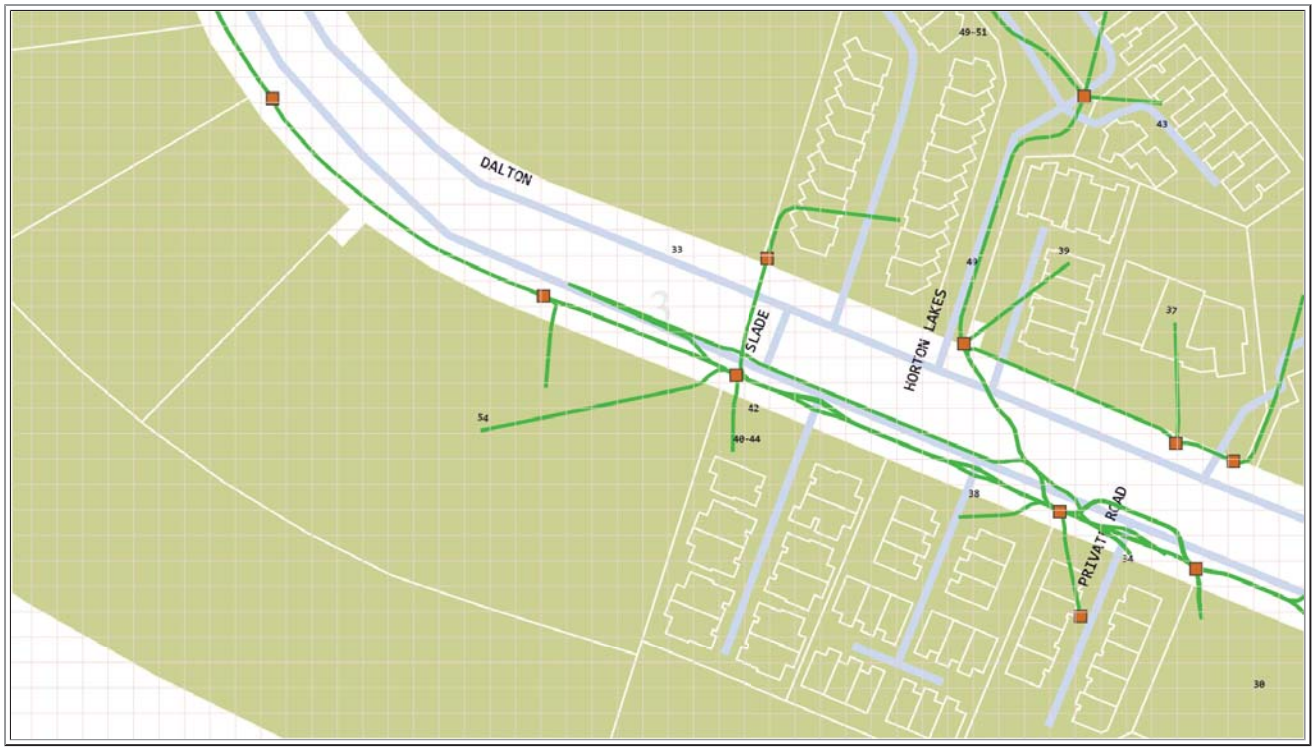


Level 11, 100 Arthur Street, North Sydney NSW 2060

Email info@nbn.com.au Web nbn.com.au



Email info@nbn.com.au Web nbn.com.au



Emergency Contacts

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

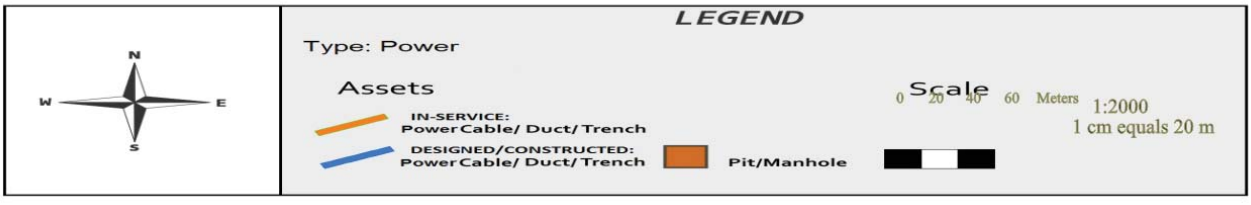
Indicative Plans

Issue Date:	09/11/2017
Location:	Dalton Drive,Maroochydore,QLD-4558

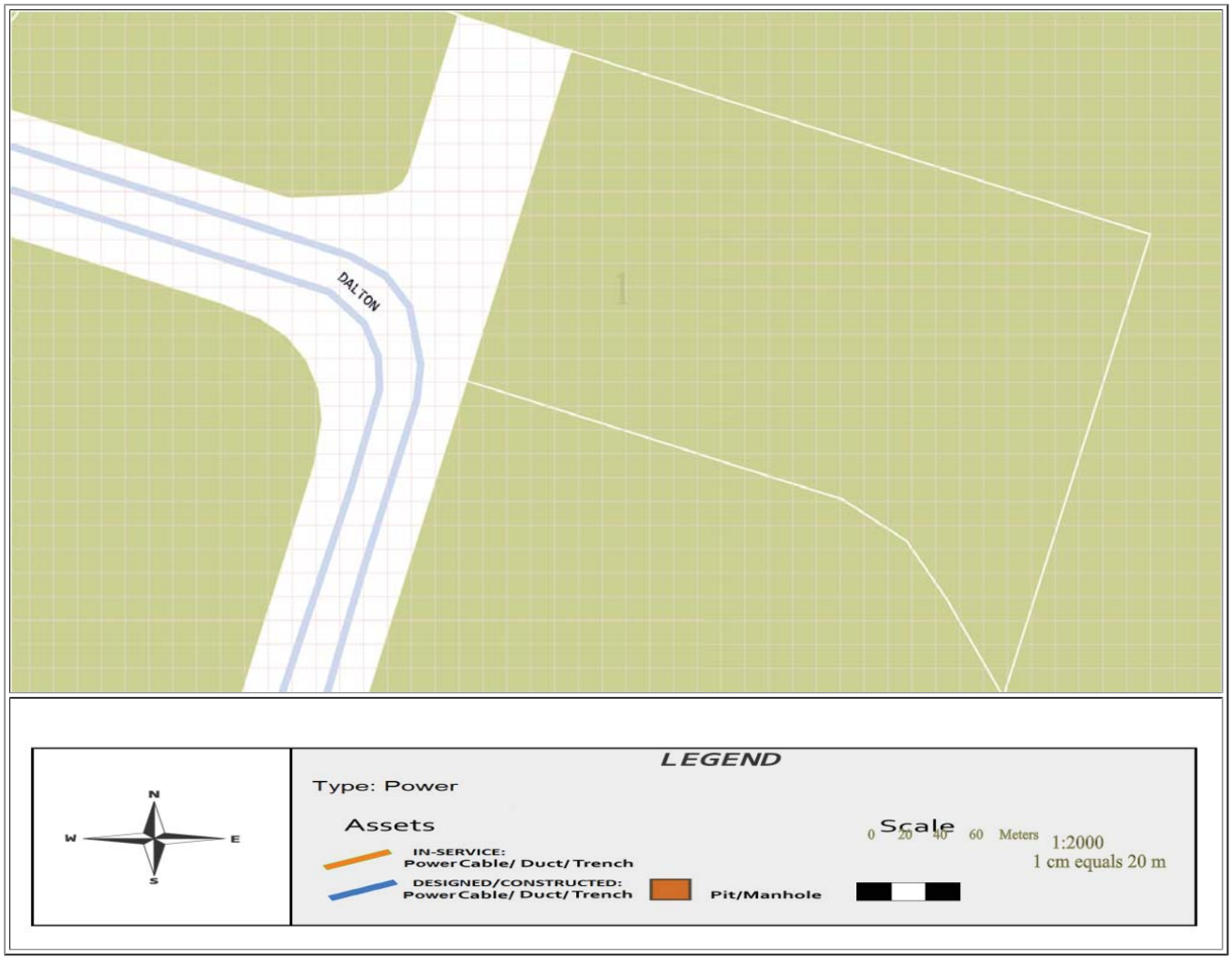
1

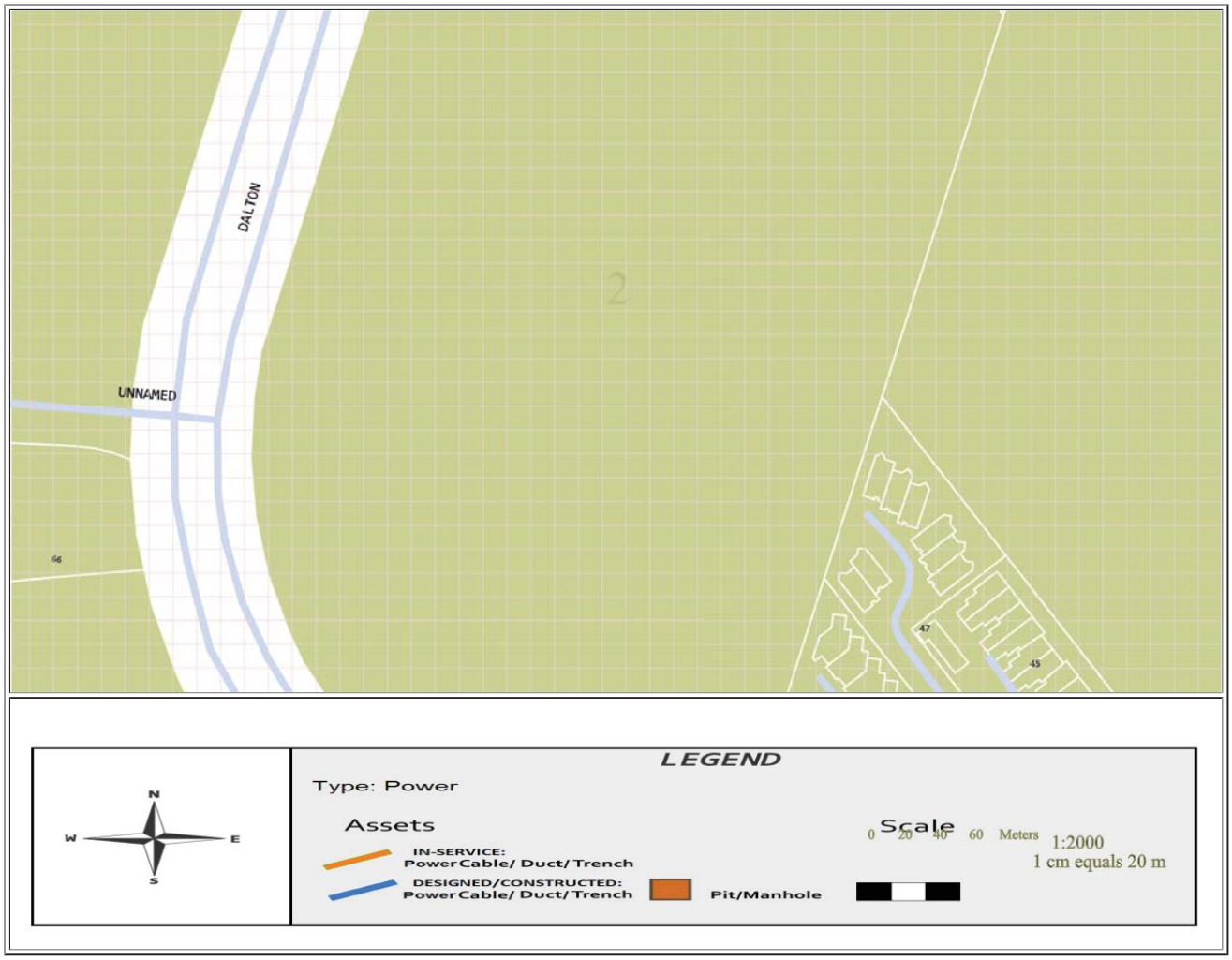
2

3



Email info@nbn.com.au Web nbn.com.au



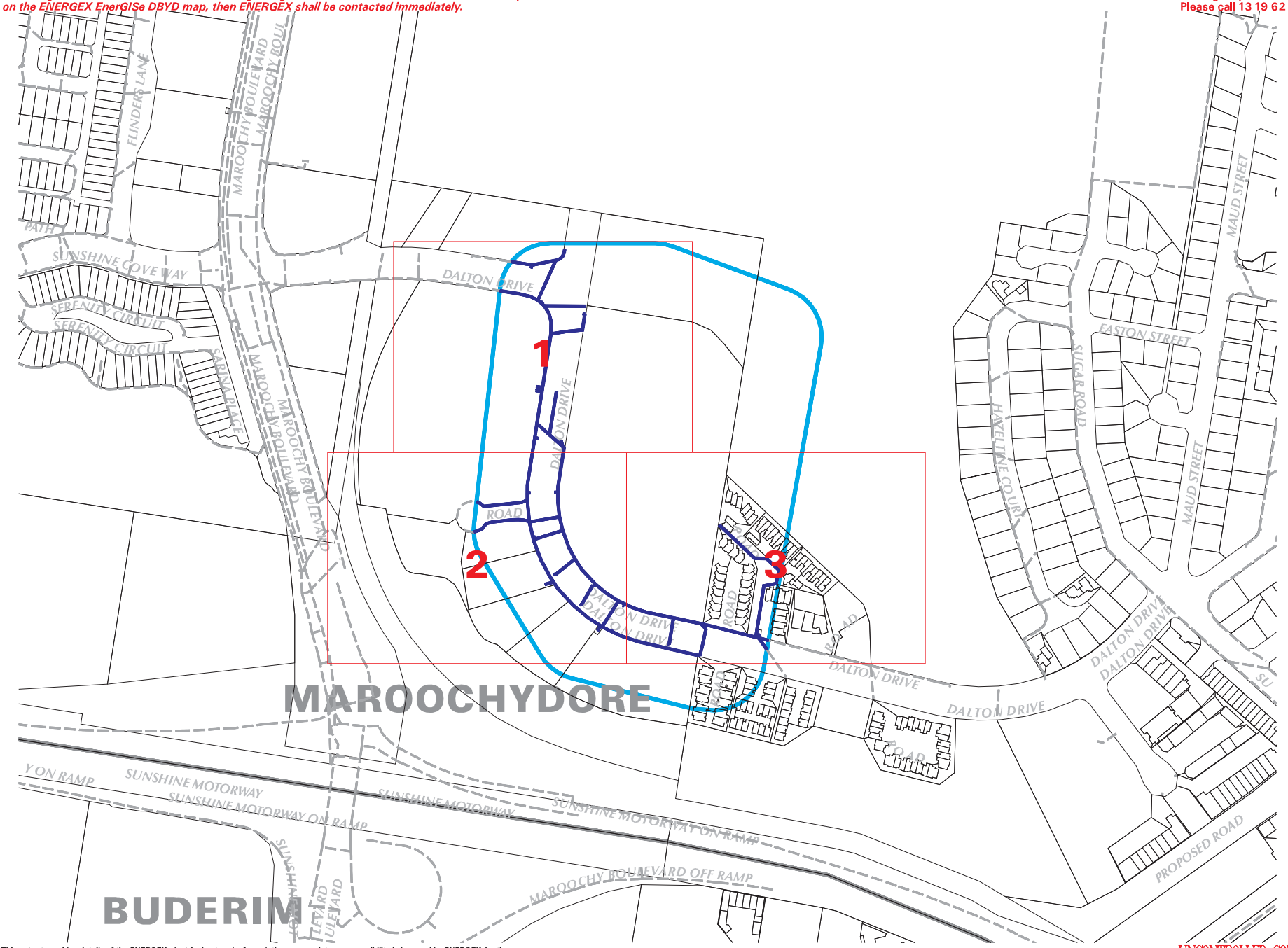


Level 11, 100 Arthur Street, North Sydney NSW 2060

Email info@nbn.com.au Web nbn.com.au

Emergency Contacts

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



energex

EnerGISe
DBYD

Date: 09 Nov 17 Time: 14.43.58
Requested By: DBYD

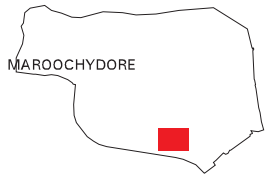
NOT TO SCALE

0 100m

Enquiry No: 66075209
KEY MAP

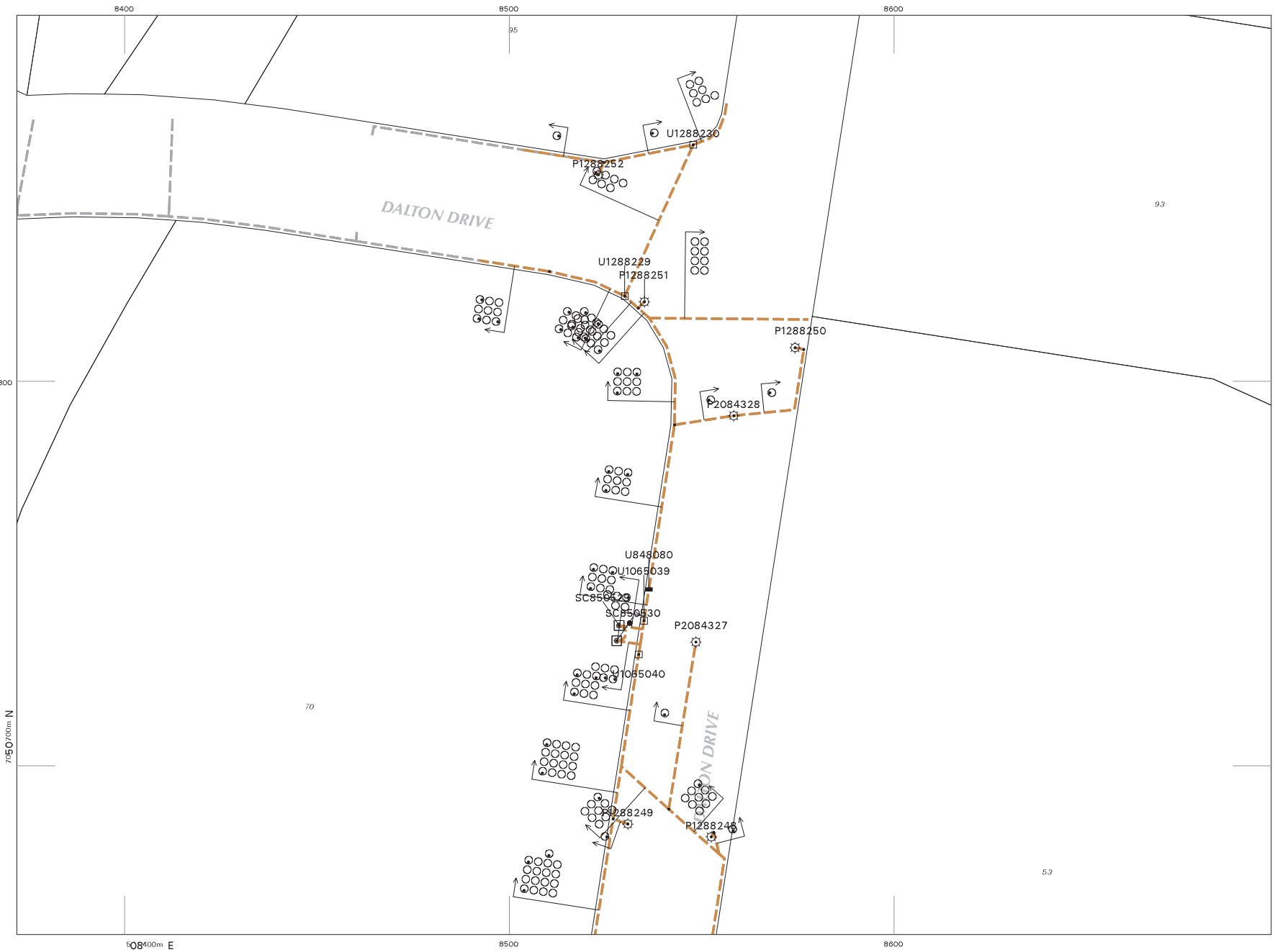
Enquiry Area

LOCALITY DIAGRAM



All underground cables shall be treated as being energised. Where a cable is located that is not represented on the ENERGEX EnerGISe DBYD map, then ENERGEX shall be contacted immediately.

For Emergency Situations Please call 13 19 62



energex

EnerGISe

DBYD

Date: 09 Nov 17 Time: 14.44.13
Requested By: DBYD

SCALE 1:1000

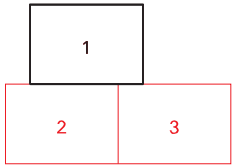
20 0 20m

Enquiry No: 66075209

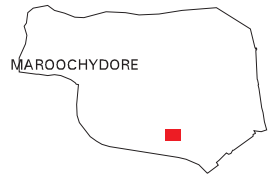
STRIP No: 1

- Ground Transformer
- Cubicle Transformer
- Ring Main Unit
- Metering Unit
- Link Pillar
- Service Pillar
- Junction Pillar
- Pit
- Cable Joint
- Cable Termination
- Cable Marker
- Street Light Pole
- Earth
- Works Order Polygon
- Cable Voltage Less Than 33kV
- Cable Voltage 33kV or Higher
- Direct-Lay Cable
- Conduit
- Multi-Section Duct
- Trench
- Cable Tray
- Tunnel

INDEX TO SHEETS



LOCALITY DIAGRAM

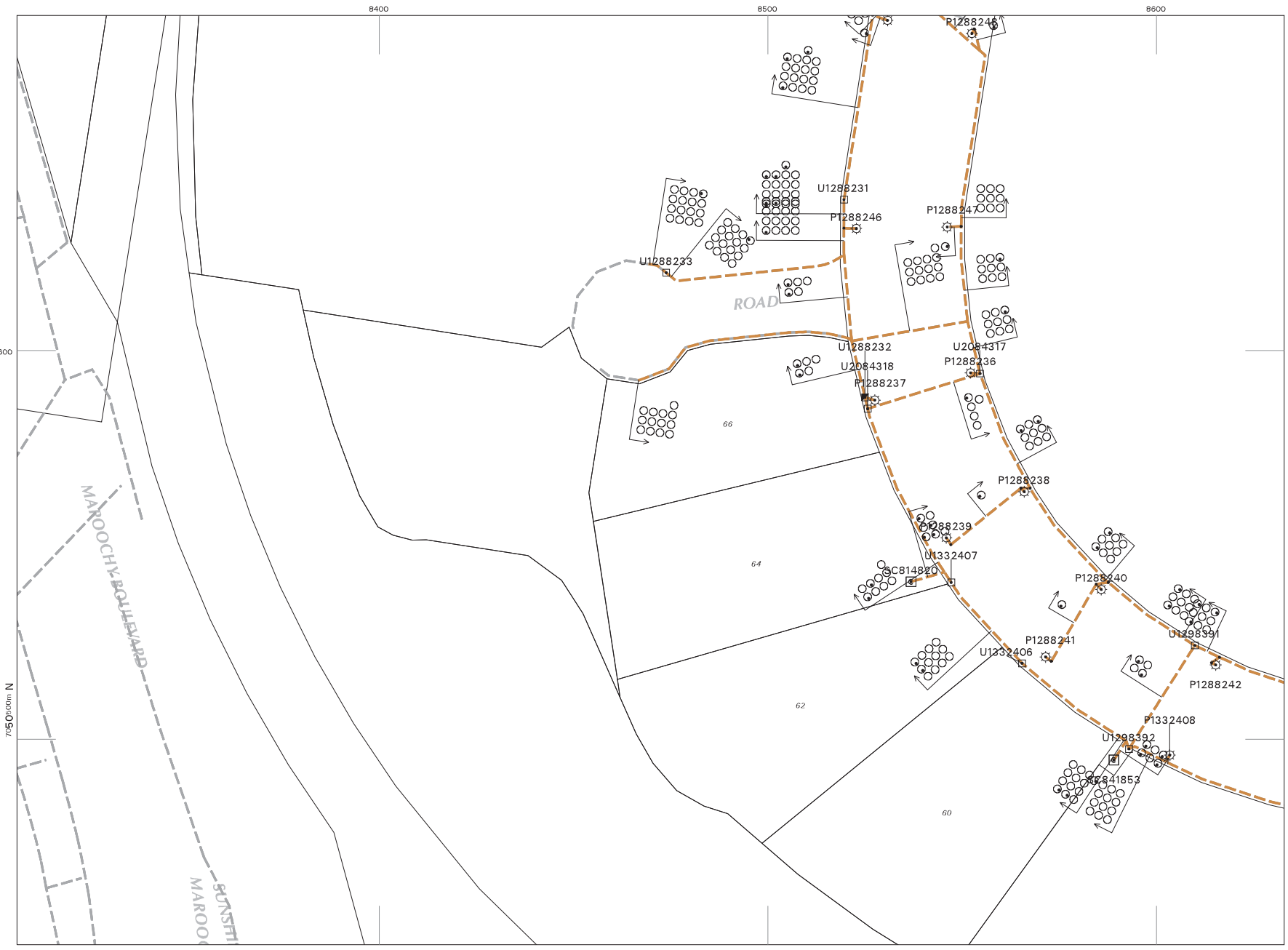


This output provides details of the ENERGEX electrical network. As variations may exist no responsibility is incurred by ENERGEX for the accuracy or completeness of the information provided. Exact positions of cables and electrical connectivity should be confirmed on site.

UNCONTROLLED COPY

All underground cables shall be treated as being energised. Where a cable is located that is not represented on the ENERGEX EnerGISe DBYD map, then ENERGEX shall be contacted immediately.

For Emergency Situations Please call 13 19 62



energex

EnerGISe

DBYD

Date: 09 Nov 17 Time: 14.44.45
Requested By: DBYD

SCALE 1:1000

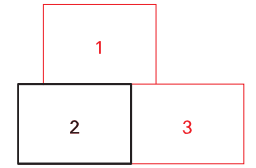
20 0 20m

Enquiry No: 66075209

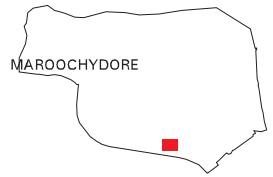
STRIP No: 2

- Ground Transformer
- Cubicle Transformer
- Ring Main Unit
- Metering Unit
- Link Pillar
- Service Pillar
- Junction Pillar
- Pit
- Cable Joint
- Cable Termination
- Cable Marker
- Street Light Pole
- Earth
- Works Order Polygon
- Cable Voltage Less Than 33kV
- Cable Voltage 33kV or Higher
- Direct-Lay Cable
- Conduit
- Multi-Section Duct
- Trench
- Cable Tray
- Tunnel

INDEX TO SHEETS



LOCALITY DIAGRAM



PAPER SIZE A3 Map has been designed to be reproduced in colour

All underground cables shall be treated as being energised. Where a cable is located that is not represented on the ENERGEX EnerGISe DBYD map, then ENERGEX shall be contacted immediatelv.

For Emergency Situations Please call 13 19 62

This output provides details of the ENERGEX electrical network. As variations may exist no responsibility is incurred by ENERGEX for the accuracy or completeness of the information provided. Exact positions of cables and electrical connectivity should be confirmed on site.

UNCONTROLLED COPY

energex

EnerGISe

DBYD

Date: 09 Nov 17 Time: 14.45.25
Requested By: DBYD

SCALE 1:1000

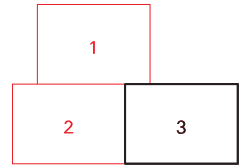
20 0 20m

Enquiry No: 66075209

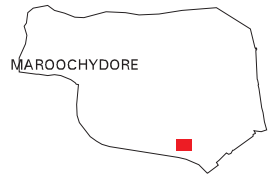
STRIP No: 3

- Ground Transformer
- Cubicle Transformer
- Ring Main Unit
- Metering Unit
- Link Pillar
- Service Pillar
- Junction Pillar
- Pit
- Cable Joint
- Cable Termination
- Cable Marker
- Street Light Pole
- Earth
- Works Order Polygon
- Cable Voltage Less Than 33kV
- Cable Voltage 33kV or Higher
- Direct-Lay Cable
- Conduit
- Multi-Section Duct
- Trench
- Cable Tray
- Tunnel

INDEX TO SHEETS



LOCALITY DIAGRAM



PAPER SIZE A3 Map has been designed to be reproduced in colour

Sunshine Coast Council - Dial Before You Dig

NOTE
In emergency situations please call
Sunshine Coast Council
(07) 5475 7272

This plan expires 30 days from Sunshine Coast Council's 'Printed On' date.

SUNSHINE COAST COUNCIL
STORMWATER, ELECTRICAL AND COMMUNICATION INFRASTRUCTURE LOCATION

Printed on: Friday, 10 November 2017

Asset Information Services
Cnr. Currie and Bury Streets, Nambour QLD 4560
Locked Bag 72, Sunshine Coast Mail Centre QLD 4560
Enquiries: Tel (07) 5475 8545
Email: dbyd@sunshinecoast.qld.gov.au

N
W E
S

Disclaimer

Legend

Stormwater Pit

- CatchPit
- EndCap
- FieldInlet
- Manhole
- Stormwater End Structure
- Stormwater Quality Device

Stormwater Pipe

- Allotment
- Box
- Pipe

Stormwater Culvert

- Box Culvert
- Pipe Culvert
- Stormwater Misc Infrastructure
- Stormwater Open Drain
- Stormwater Water Quality Area

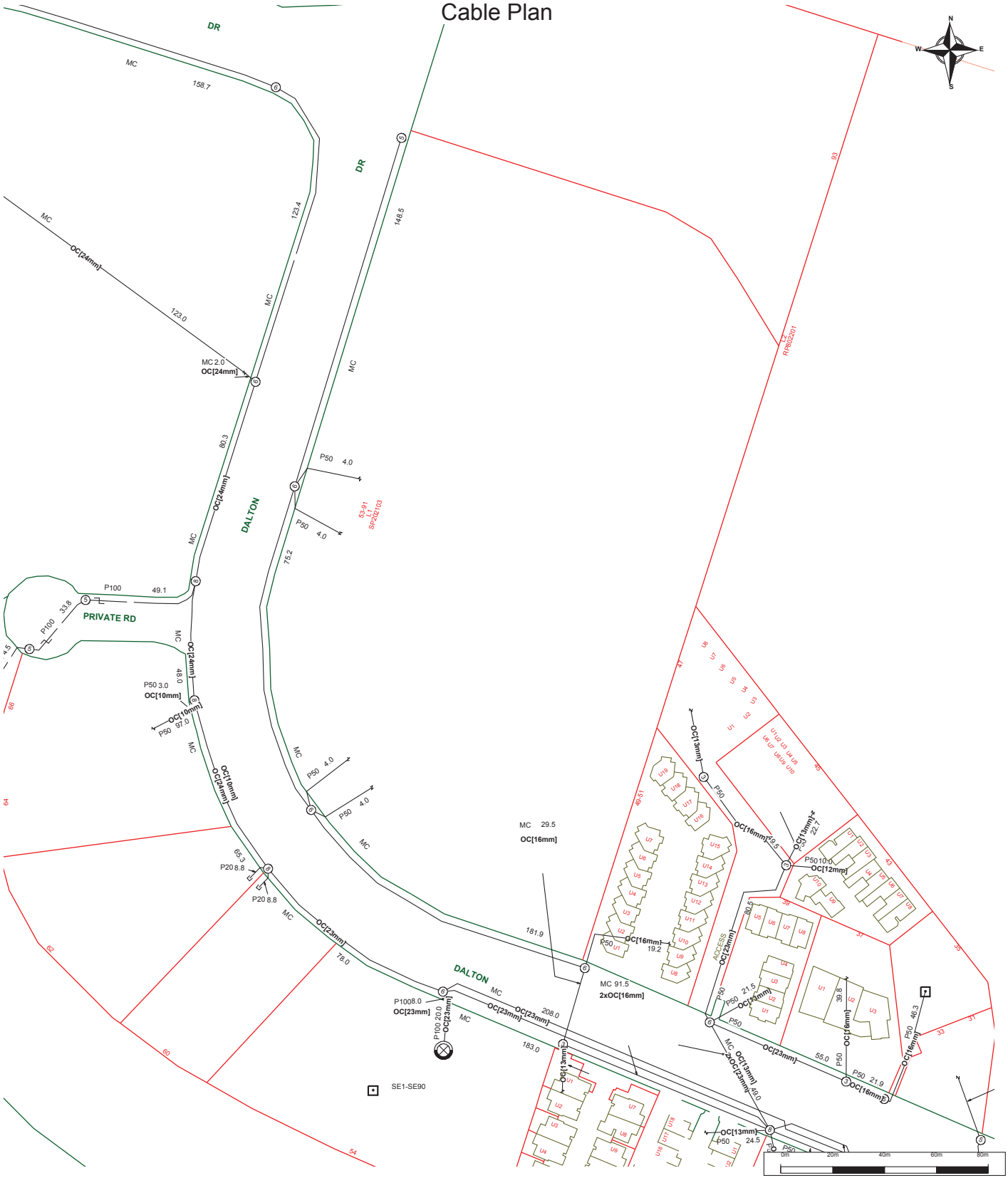
SCC TeleComm Network

- SCC TeleComm Network
- SCC Traffic Counter Area

SCC Electrical Infrastructure

- SCC Electrical Infrastructure

Cable Plan



For all Telstra DBYD plan enquiries -
email - Telstra.Plans@team.telstra.com
For urgent onsite contact only - ph 1800 653 935 (bus hrs)

TELSTRA CORPORATION LIMITED A.C.N. 051 775 556

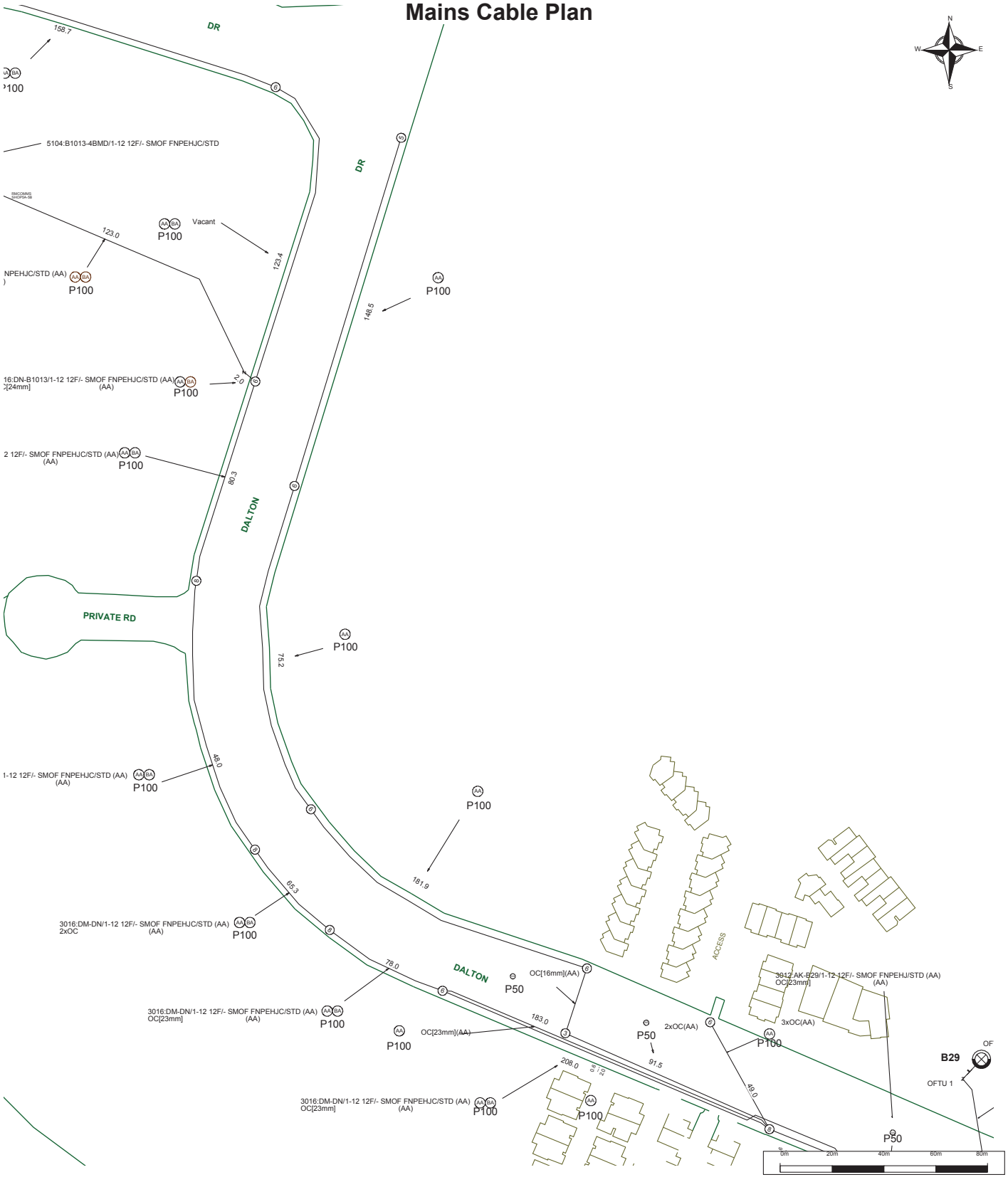
Generated On 09/11/2017 15:49:07

Sequence Number: 66075210

CAUTION: Fibre optic and/ or major network present in plot area. Please read the Duty of Care and contact Telstra Plan Services should you require any assistance.

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

Mains Cable Plan



For all Telstra DBYD plan enquiries -
email - Telstra.Plans@team.telstra.com
For urgent onsite contact only - ph 1800 653 935 (bus hrs)

TELSTRA CORPORATION LIMITED A.C.N. 051 775 556

Generated On 09/11/2017 15:49:09

Sequence Number: 66075210

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.

LEGEND

IT'S HOW WE CONNECT

For more info contact a Telstra Accredited Locater or Telstra Plan Services 1800 653 935

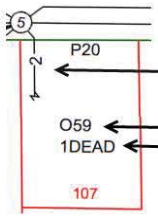
Exchange
(major cable present)

Footway access chamber
(can vary from 1-lid to 12-lid)

Pillar/cabinet
(above the ground / free standing)

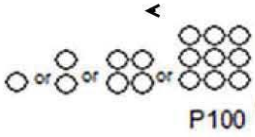
Above ground complex equipment housing (eg RIM)
Please Note: This equipment is powered by 240V electricity.

OC **other carrier**

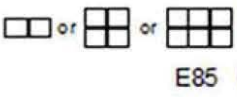


2 pair lead-in to property from pit in street

O59 **1 pair working (pair ID 059)**
1DEAD **1 pair dead (i.e. spare, not connected)**



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



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

Some examples of conduit type and size:
A - Asbestos cement, P - PVC / plastic, C - Concrete, GI - Galvanised iron, E - Earthenware.
Conduit sizes *nominally* range from 20mm to 100mm.

P50	50mm PVC conduit
P100	100mm PVC conduit
A100	100mm asbestos cement conduit
E 85	85mm square earthenware conduit

Cable jointing pit
(number indicating pit type)

Elevated cable joint
(above ground joint on buried cable)

Telstra Plant in shared utility trench

Aerial Cable
(above ground)

Aerial Cable
(attached to joint use pole e.g. power)

Direct buried cable

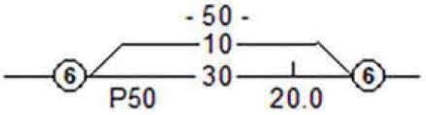
M **Marker post installed**

TR **Buried transponder**

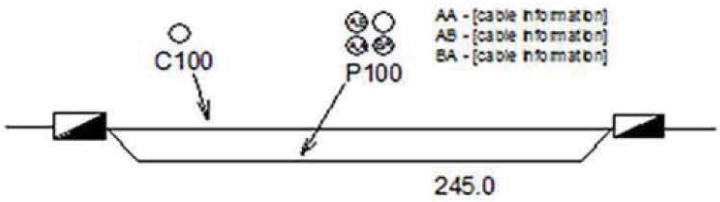
MT **Marker, transponder**

SMOF **Optical fibre cable direct buried**

Some examples of how to read Telstra plans:



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



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

WARNING: Telstra plans and location information conform to Quality Level 'D' of the Australian Standard AS 5488 - Classification of Subsurface Utility Information. As such, Telstra supplied location information is indicative only. Spatial accuracy is not applicable to Quality Level D. Refer to AS 5488 for further details. Telstra does not warrant or hold out that its plans are accurate and accepts no responsibility for any inaccuracy shown on the plans. FURTHER ON SITE INVESTIGATION IS REQUIRED TO VALIDATE THE EXACT LOCATION OF TELSTRA PLANT PRIOR TO COMMENCING CONSTRUCTION WORK. A plant location service is an essential part of the process to validate the exact location of Telstra assets and to ensure the asset is protected during construction works. The exact position of Telstra assets can only be validated by physically exposing it. Telstra will seek compensation for damages caused to its property and losses caused to Telstra and its customers.

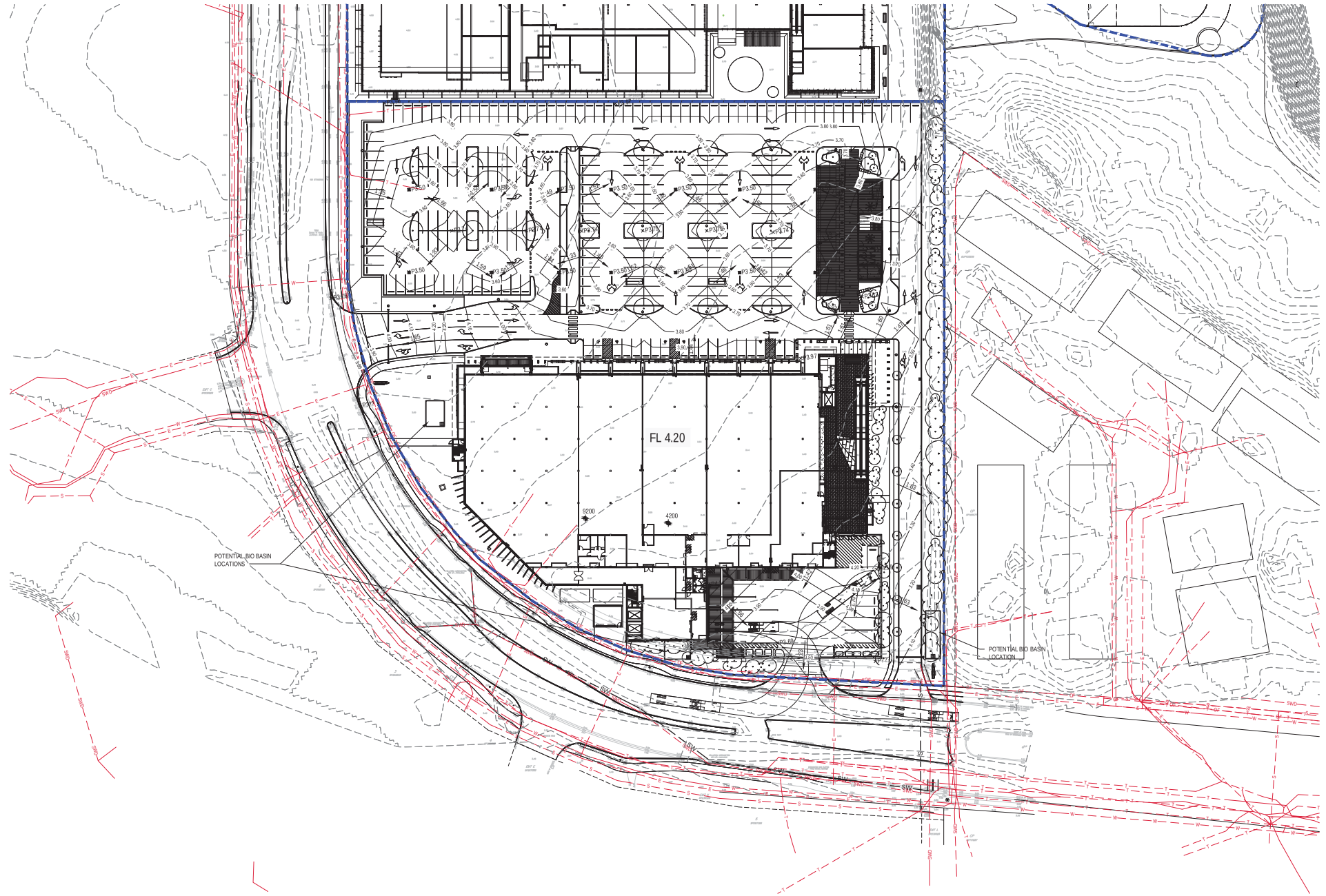
Maroochydore SP2, Dalton Drive
Maroochydore Queensland, Stage 1

APPENDIX B

PROPOSED DEVELOPMENT PLANS

Cardno
Shaping the Future

FOR CONTINUATION REFER V171462-CI-SK003



LEGEND

PSM	PERMANENT SURVEY MARK
TBM	TEMPORARY BENCH MARK
BH DTR DTT	BOREHOLE LOCATION DEPTH TO REFUSAL AND DEPTH TO TERMINATION
	PROPOSED FINISHED SURFACE CONTOUR
	EXISTING SURFACE CONTOUR
	FALL OF ALLOTMENT
XES48.00	EXISTING SURFACE LEVEL
XFS48.00	FINISHED SURFACE LEVEL
XBL48.00	BULK EARTHWORK LEVEL
XFL48.00	FINISHED FLOOR LEVEL
	PROPOSED BATTER
	EXISTING FEATURES TO BE REMOVED
	SEDIMENTATION FENCE
SWD	EXISTING STORMWATER DRAIN, PIT, DIAMETER AND DRAINAGE INVERT LEVEL
SWD	PROPOSED STORMWATER DRAIN, PIT, DIAMETER AND DRAINAGE INVERT LEVEL
	PROPOSED PIT AND PIT NUMBER
	EXISTING PIT
P/O AG	PROPOSED AGRICULTURAL DRAIN WITH FLUSH OUT RISER
	PROPOSED SWALE DRAIN
S	EXISTING SEWER
E	EXISTING ELECTRICITY
OF	EXISTING FIBRE OPTIC
T	EXISTING TELECOM
W	EXISTING WATER

CONTRACTOR TO VERIFY EXISTING SERVICES CONNECTION LEVELS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES MUST BE IMMEDIATELY IDENTIFIED AND THE SUPERINTENDENT NOTIFIED PRIOR TO CONSTRUCTION COMMENCING.

0 10 20m
SCALE 1:500 @A1

NORTH

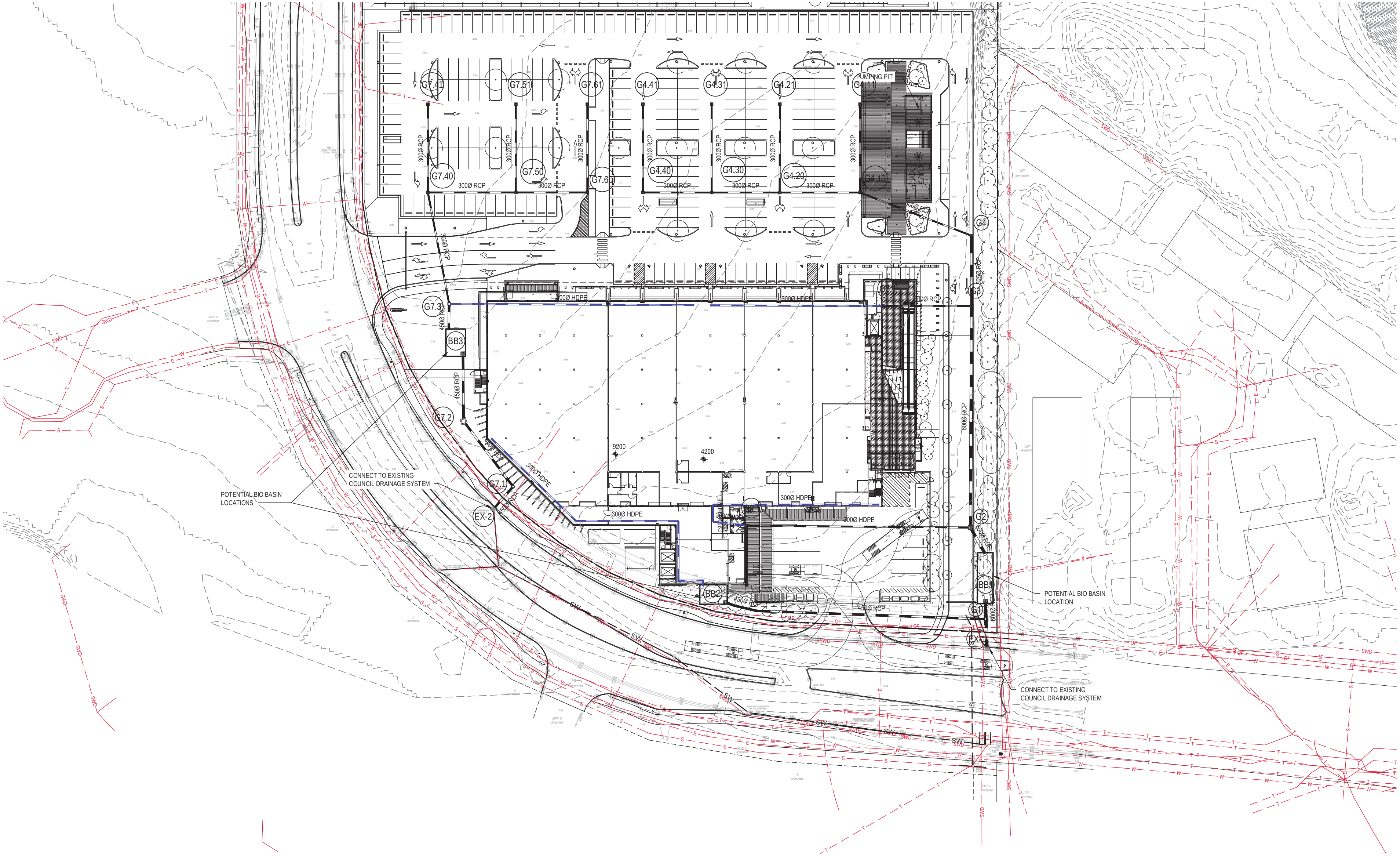
Cardno®
Shaping the Future
Cardno Victoria Pty Ltd | ABN 47 106 610 913
Level 4, 501 Swanston Street
Melbourne VIC 3000
Tel: 03 8415 7777 Fax: 03 8415 7788
Web: www.cardno.com.au

BLUEPRINT AUSTRALIA
PROPOSED LEVELS PLAN
GROUND FLOOR
SHEET 2 OF 2

Date	Scale	Size
13.09.2019	1:500	A1

Drawing Number	Revision
V171462-CI-SK004	10

FOR CONTINUATION REFER V171462-CI-SK007



LEGEND

IL48.00 225Ø SWD	EXISTING STORMWATER DRAIN, PIT, DIAMETER AND DRAINAGE INVERT LEVEL
IL48.00 225Ø	PROPOSED STORMWATER DRAIN, PIT, DIAMETER AND DRAINAGE INVERT LEVEL
IL48.00 225Ø	PROPOSED SYPHONIC DRAIN, PIT, DIAMETER AND DRAINAGE INVERT LEVEL
②	PROPOSED PIT AND PIT NUMBER
	EXISTING PIT
>	PROPOSED SWALE DRAIN
S	EXISTING SEWER
E	EXISTING ELECTRICITY
OF	EXISTING FIBRE OPTIC
T	EXISTING TELECOM
W	EXISTING WATER

CONTRACTOR TO VERIFY EXISTING SERVICES CONNECTION LEVELS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES MUST BE IMMEDIATELY IDENTIFIED AND THE SUPERINTENDENT NOTIFIED PRIOR TO CONSTRUCTION COMMENCING.

0 10 20m
SCALE 1:500 @A1

NORTH

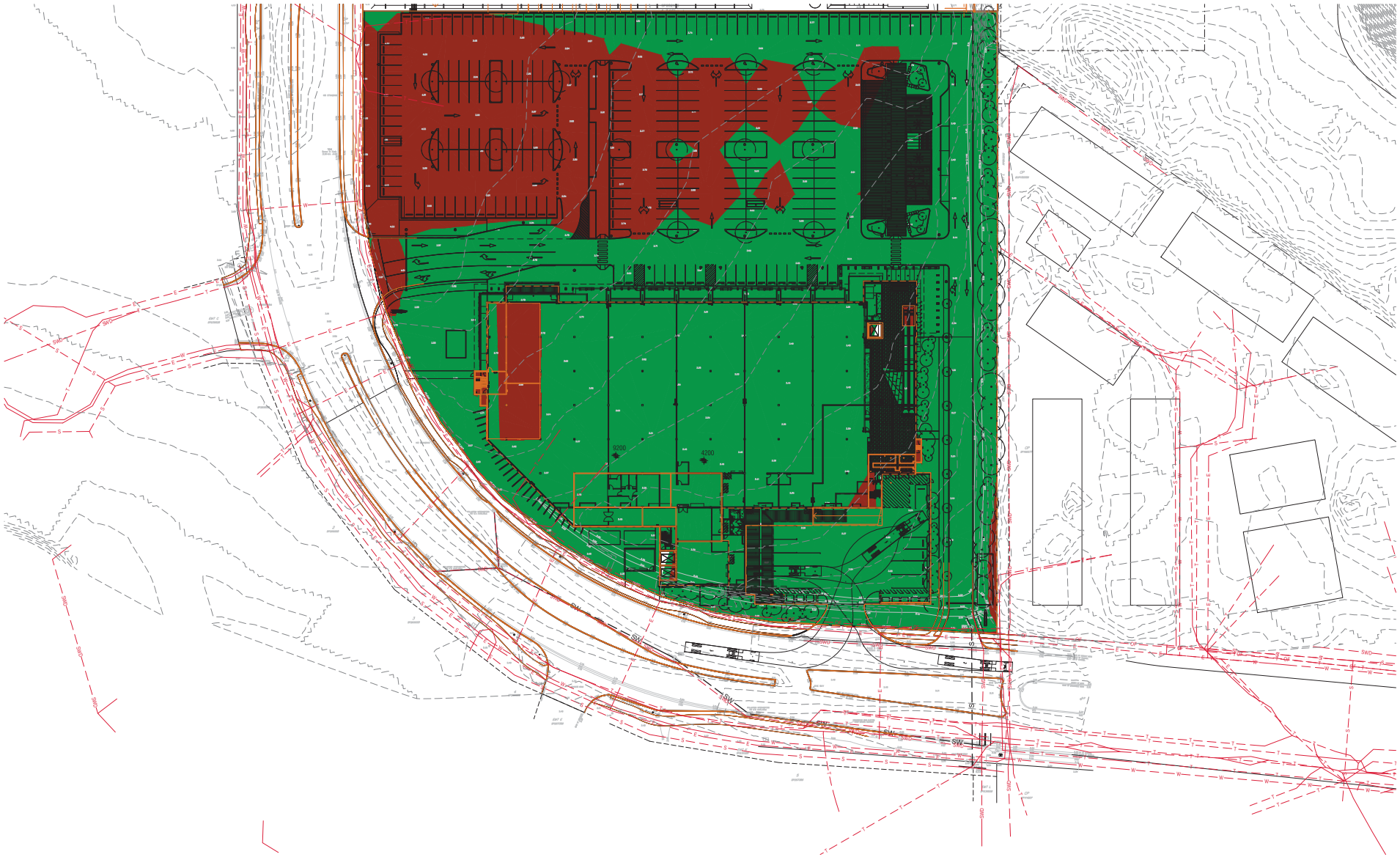
Cardno Shaping the Future
Cardno Victoria Pty Ltd | ABN 47 106 610 913
Level 4, 501 Swanston Street
Melbourne VIC 3000
Tel: 03 8415 7777 Fax: 03 8415 7788
Web: www.cardno.com.au

BLUEPRINT AUSTRALIA
PROPOSED DRAINAGE PLAN
SHEET 2 OF 2

Date	Scale	Size
13.09.2019	1:500	A1

Drawing Number	Revision
V171462-CI-SK008	9

DATE PLOTTED: 13 September 2019 12:07 PM BY : JORGE COTRIM
XREF's: XR-V171462-CI-BASE; XR-V171462-CI-SURV; XR-V171462-CI-SERV; XR-V171462-CI-ARCH; XR-V171462-CI-ARCH-BSMT; XR-V171462-CI-SURV-Original; V171462-C3D-DRAINAGE; XR-V171462-CI-ARCH-GRND; XR-V171462-CI-ARCH-LEV1
CAD File: M:\2017\1001_1500\V171462_Maroochydore_SPG\Civil\Drafting\Sketches\V171462-CI-SK007-SK008.dwg



LEVELS TABLE				
No.	FROM DEPTH (m)	TO DEPTH (m)	COLOUR	DEPTH RANGE VOLUME
1	-3.88	0.00		1499.89m³
2	0.00	2.79		7393.72m³

Cardno Victoria Pty Ltd | ABN 47 106 610 913
Level 4, 501 Swanston Street
Melbourne VIC 3000
Tel: 03 8415 7777 Fax: 03 8415 7788
Web: www.cardno.com.au

BLUEPRINT AUSTRALIA
BULK EARTHWORKS PLAN
STAGE 1

Date	Scale	Size
13.09.2019	1:500	A1

Drawing Number: V171462-CI-SK100
Revision: 3

DATE PLOTTED: 13 September 2019 3:21 PM BY: JORGE COTRINA
XREFs: XR-V171462-CI-BASE; XR-V171462-CI-SURV; XR-V171462-CI-SERV; XR-V171462-CI-ARCH; XR-V171462-CI-ARCH-BSMT; XR-V171462-CI-SURV-Original; XR-V171462-CI-ARCH-GRND; XR-V171462-CI-ARCH-LEV1
CAD File: M:\2017\1001_1500\V171462_Mannochmore_SPG\Civil\Drafting\Sketches\V171462-CI-SK100.dwg