

Erna Edie

From: no-reply.BUD@vector.co.nz
Sent: Tuesday, 6 March 2018 12:03 PM
To: Erna Edie
Subject: Vector Electricity Cable Location Enquiry for Sequence 6160443
Attachments: Elec Obs Plans T&C 2016.pdf; 1221890_6160443_e_2018-03-06T120213.pdf.pdf

THIS IS AN AUTOMATED EMAIL. PLEASE DO NOT REPLY.

Dear Erna Edie,

Thank you for enquiring about the location of Vector's underground electricity cables in the vicinity of your planned work site at 17 Renlee Place, Shelly Park, Auckland, 2014. To confirm, the type of work you are undertaking is Trenching.

We have found that there are **Low Voltage Electricity Cables** in the vicinity of your work site. [Click here](#) to go to our safety page from where you can download Vector's 'Guide to Working Safely'.

Important: Please refer to the documentation attached for information about digging in this location.

This response is for Vector's Electricity network only. We will respond separately by mail or phone if there are any Vector gas pipes, Vector Communication cables or Vector gas transmission pipes which may also be in the vicinity of your work site.

For any further enquiries, please contact Vector on 0508 248 967.

The information contained in this e-mail is confidential and may be legally privileged. If you have received it in error, you may not read, use, copy or disclose this email. If you are not the intended recipient, please let us know by reply e-mail immediately and then delete this email from your system. We shall not be responsible for any changes to, or interception of, this email or any attachment after it leaves our information systems.

We accept no responsibility for viruses or defects in this email or any attachments.



Underground Electricity Distribution Obstruction Plan Terms of Use

This information is supplied to you on the following terms and conditions:

This plan is provided for reference purposes and while care has been taken in its preparation, Vector Limited does not accept any liability whatsoever for its accuracy and completeness and does not make any representation or warranty, express or implied in relation to the same.

This plan indicates the approximate location of Vector underground **electricity** assets only. Separate enquiries should be made to other utilities for the location of their services.

Warning – in the case of a sub-transmission joint bay, there may be a number of cables and oil lines not shown on the plan.

A loop of cable may be in the ground at the base of any pole and its position may not be fully detailed on the plan.

Services cables to a property may be shown. Where customer service connections are shown, these indicate the position where the cable crosses the front boundary only.

Vector is continually altering and expanding its network meaning that the attached information may become out of date. The plan is valid only at the date of issue as other equipment may have been installed subsequently. It is essential that any plan used is current at the time of excavation. Without limiting the foregoing, where plans are more than 28 days old they should not be used; a new plan should be requested from Vector.

Measurements and depths shown on the plan are an indication only. A physical check of the items on the plan should be undertaken to verify their exact location and other details. All equipment is shown diagrammatically only. In order to avoid interpretation difficulties, use only the original plans which you must print in colour and a legible format.

Sub-transmission cables operate at higher voltages and are critical to the security of electricity supply over extensive areas. Damage to these cables is extremely hazardous and very expensive to repair. Anyone proposing work in the vicinity of these cables must contact Vector prior to commencing works. A Vector representative will meet with you onsite to discuss your obligations and the dangers of working around Vector assets, as well as to perform a standover service. **Two full working days' notice is required prior to any excavation in the vicinity of a sub-transmission cable.** If the standover is expected to take longer than one day, we will need more than two full working days' notice in order to reschedule other work.

Vector reminds you of your responsibilities under the Health and Safety at Work Act 2015, whereby you must establish the location of underground services before commencing excavation. **If you fail to do so, you will be held liable for any loss or damage that you may cause.**



Under no circumstances are you allowed to interfere with Vector's plant and equipment.

Your legal requirements

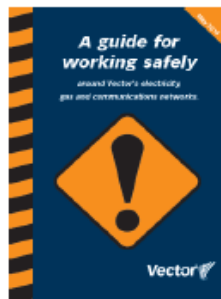
The Ministry of Business, Innovation and Employment (MBIE) has set down minimum safe work practices for carrying out any work near electricity, gas and communications networks. See their 'Guide for Safety with Underground Services' which is available online.

There are also government laws and regulations that specify safe working practices which must be followed. These include:

- Electricity Act 1992 and amendments.
- Health and Safety at Work Act 2015 and amendments.
- NZECP 34:2001 Electrical Safe Distances.

A guide for working safely

Please also ensure all contractors have read 'A Guide to Working Safely' - Vector's guide to safe working practices when working near electricity, gas and communications networks.



Please see the Vector website <http://www.vector.co.nz/safety/near-our-network> to download the latest version of this booklet and other safety information when working near our assets.

Key contact numbers



For underground obstruction plan requests (all areas), visit www.beforeudig.co.nz or call beforeUdig on **0508 248 967**.



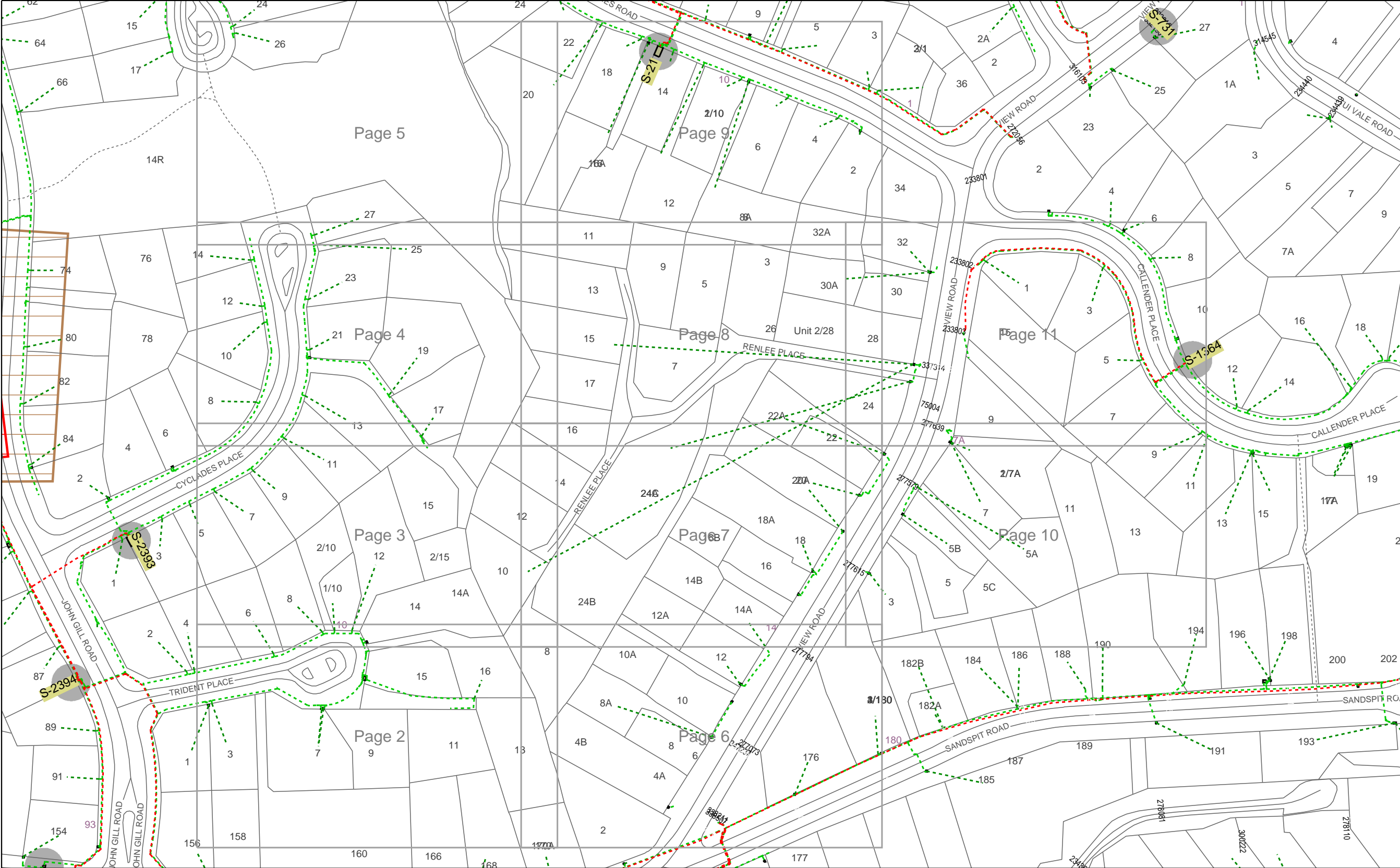
If you hit an electricity cable or overhead line please call us immediately on **0508 VECTOR** (0508 832 867).



If you hit any gas pipeline call the Fire Service first on **111**. If you hit a gas distribution pipe in the Auckland area call us on **0800 764 764**. If you hit a gas pipeline in the rest of the North Island call **FIRST GAS** on **0800 800 393**. If you hit a gas transmission pipeline call **FIRST GAS** on **0800 734 567**.



If you hit a communications cable (all areas) call us immediately on **0800 826 436** (select option 1)



CABLE COLOUR CODE
CABLES IN USE
110,000 - 22,000 volt subtransmission
22,000 volt
11,000 - 6,600 volt
400 volt
Streetlight
Pilot / Fibre Optic
CABLES NOT IN USE
110,000 - 22,000 volt subtransmission
22,000 volt
11,000 - 6,600 volt
400 volt
Streetlight
Pilot / Fibre Optic
JOINTS & SEALING ENDS
110,000 - 22,000 volt subtransmission
22,000 volt
11,000 - 6,600 volt
400 volt
Streetlight
Pilot / Fibre Optic
NOT IN USE

SYMBOL LEGEND
TUNNEL
DUCT BANK
FIBRE OPTIC DUCT
TRENCH
PILLAR
PIT
DISTRIBUTION SUBSTATION
POLES
LAMP
CESSPIT
MANHOLE
FIRE HYDRANT
DRAIN
FIBRE OPTIC PIT
EARTHWIRE & RODS
DUCT CROSS SECTIONS mm
25 50 80 100 150
200 250 300
WORK MANAGEMENT
IN PROGRESS
ON HOLD
PLANNED

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22kV, 33kV, 110kV SUB TRANSMISSION CABLES-SPECIAL CONDITIONS APPLY:
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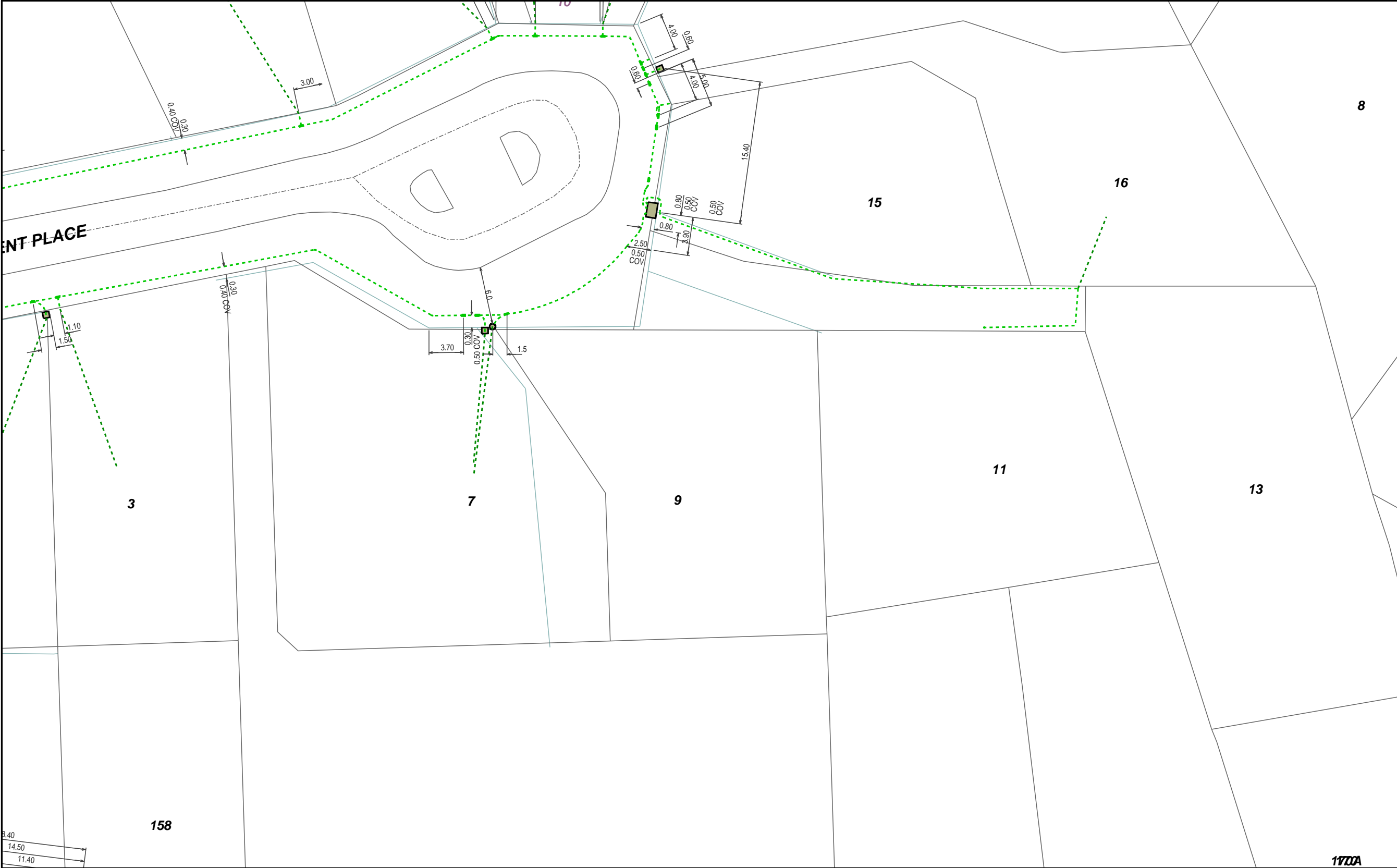
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Request Title:	
Company Name:	
Usage:	Request ID: 6160443
Request for:	No associated viewport
Customer Contact:	Printed by: swadmin
Phone:	Date printed: 6. March 2018
Client Reference:	Page: 1 of 11

A3 ELECTRICITY OBSTRUCTION PLAN



CABLE COLOUR CODE
CABLES IN USE
--- 110,000 - 22,000 volt subtransmission
--- 22,000 volt
--- 11,000 - 6,600 volt
--- 400 volt
--- Streetlight
--- Pilot / Fibre Optic
CABLES NOT IN USE
--- 110,000 - 22,000 volt subtransmission
--- 22,000 volt
--- 11,000 - 6,600 volt
--- 400 volt
--- Streetlight
--- Pilot / Fibre Optic
JOINTS & SEALING ENDS
■ 110,000 - 22,000 volt subtransmission
■ 22,000 volt
■ 11,000 - 6,600 volt
■ 400 volt
■ Streetlight
■ Pilot / Fibre Optic
● NOT IN USE

SYMBOL LEGEND
■■■■■■ TUNNEL
■ DUCT BANK
■ FIBRE OPTIC DUCT
--- TRENCH
■ PILLAR ● PIT
■ DISTRIBUTION SUBSTATION
POLES
○ ○ ○ ○ ○
○ LAMP
||| CESSPIT (M) MANHOLE
(FH) FIRE HYDRANT (D) DRAIN
■ FIBRE OPTIC PIT
●---● EARTHWIRE & RODS
DUCT CROSS SECTIONS mm
25 50 80 100 150
200 250 300
WORK MANAGEMENT
■■■■ IN PROGRESS ■■■■ ON HOLD
■■■■ PLANNED



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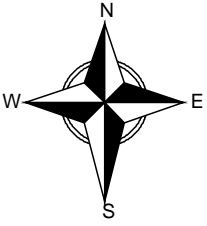
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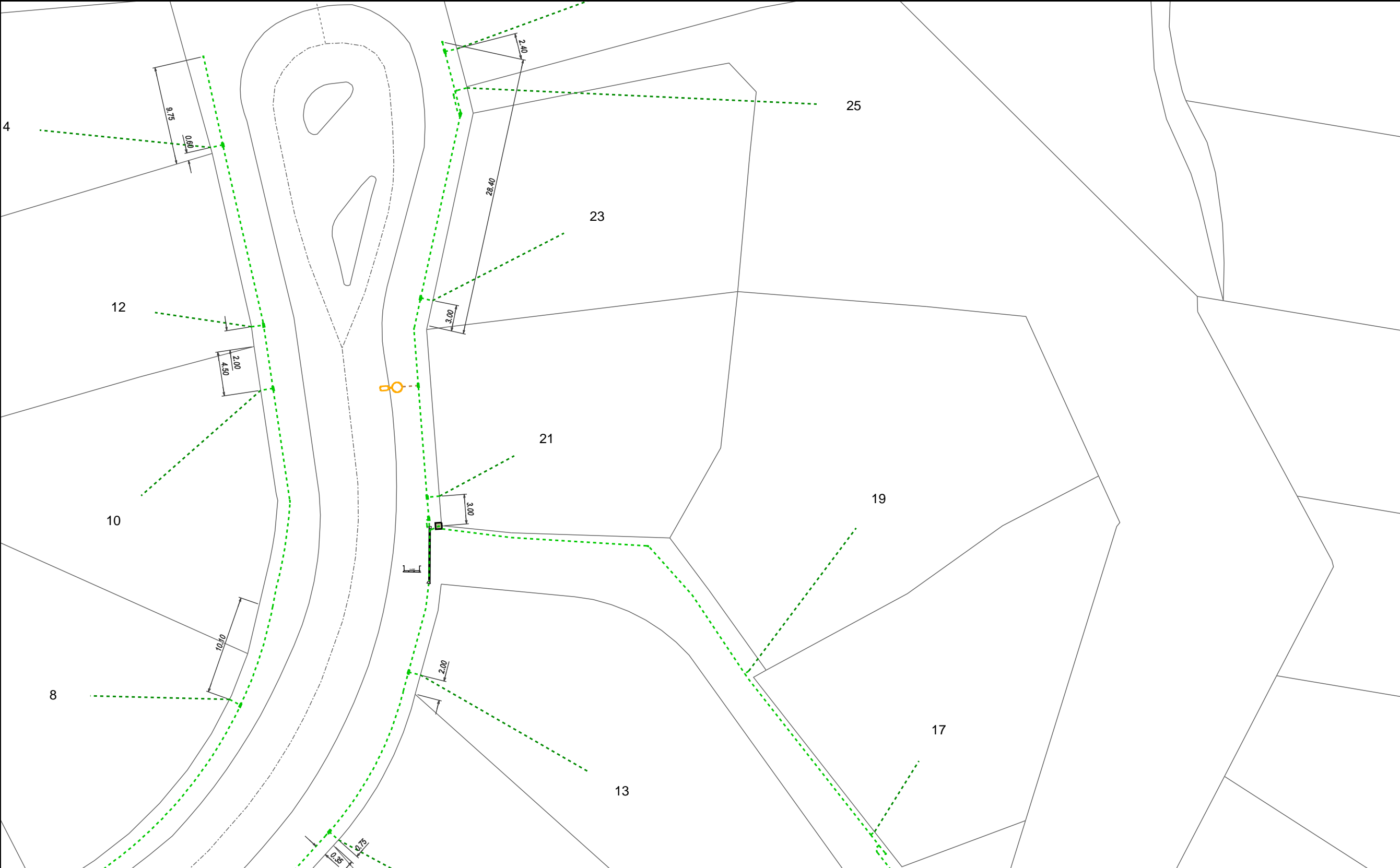
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Request Title:	
Company Name:	
Usage:	Request ID: 6160443
Request for:	Scale: 1:400
Customer Contact:	Printed by: swadmin
Phone:	Date printed: 6. March 2018
Client Reference:	Page: 2 of 11

A3 ELECTRICITY OBSTRUCTION PLAN





CABLE COLOUR CODE
CABLES IN USE
110,000 - 22,000 volt subtransmission
22,000 volt
11,000 - 6,600 volt
400 volt
Streetlight
Pilot / Fibre Optic
CABLES NOT IN USE
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22,000 volt
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FIBRE OPTIC DUCT
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CESSPIT
MANHOLE
FIRE HYDRANT
DRAIN
FIBRE OPTIC PIT
EARTHWIRE & RODS

DUCT CROSS SECTIONS mm
25 50 80 100 150
200 250 300

WORK MANAGEMENT
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ON HOLD
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Request for:

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Customer Contact:

Printed by: swadmin

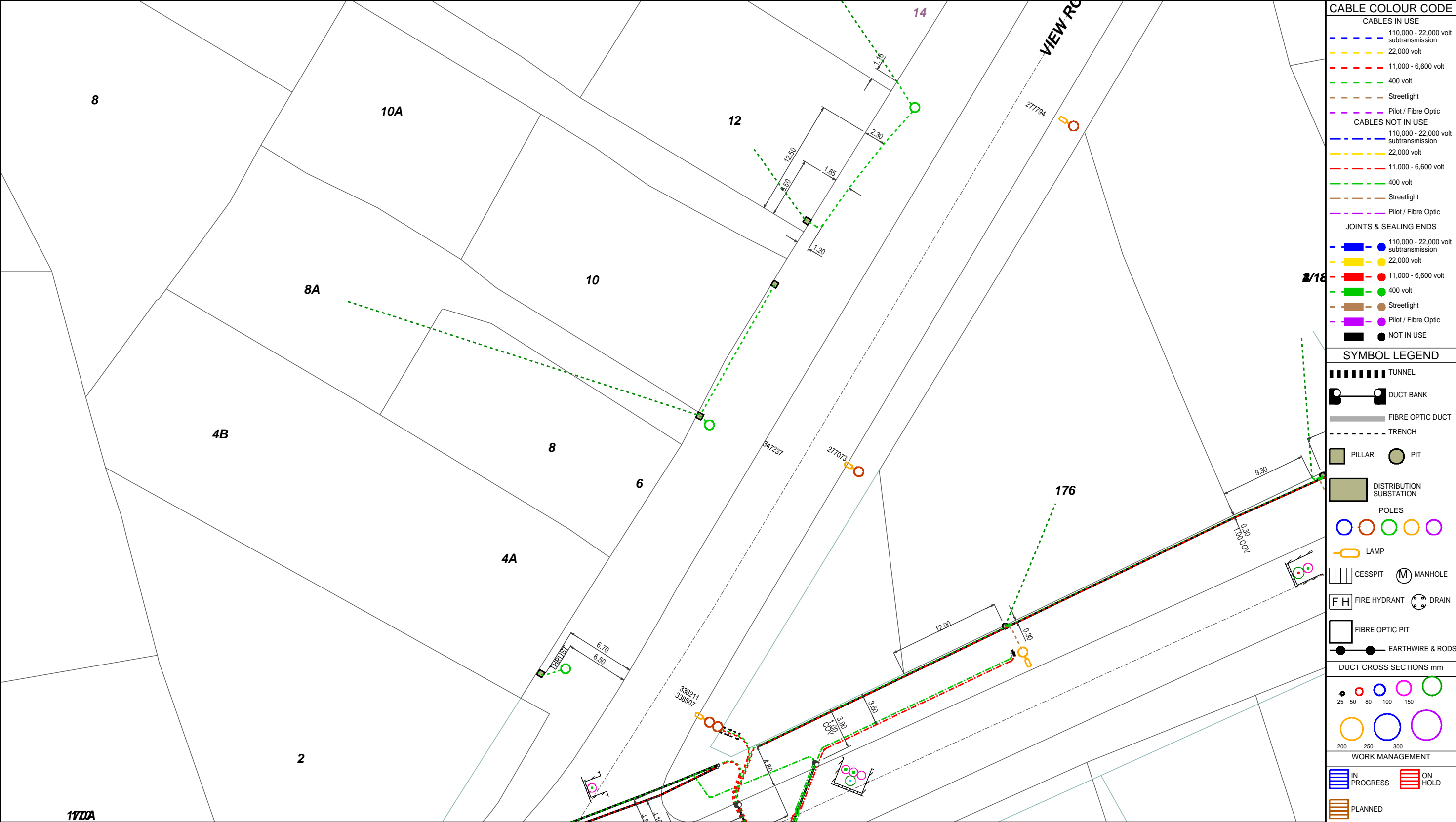
Phone:

Date printed: 6. March 2018

Client Reference:

Page: 4 of 11

A3 ELECTRICITY OBSTRUCTION PLAN



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110,000 - 22,000 volt subtransmission
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WORK MANAGEMENT
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PLANNED

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Customer Contact:

Phone:

Client Reference:

Request ID: 6160443

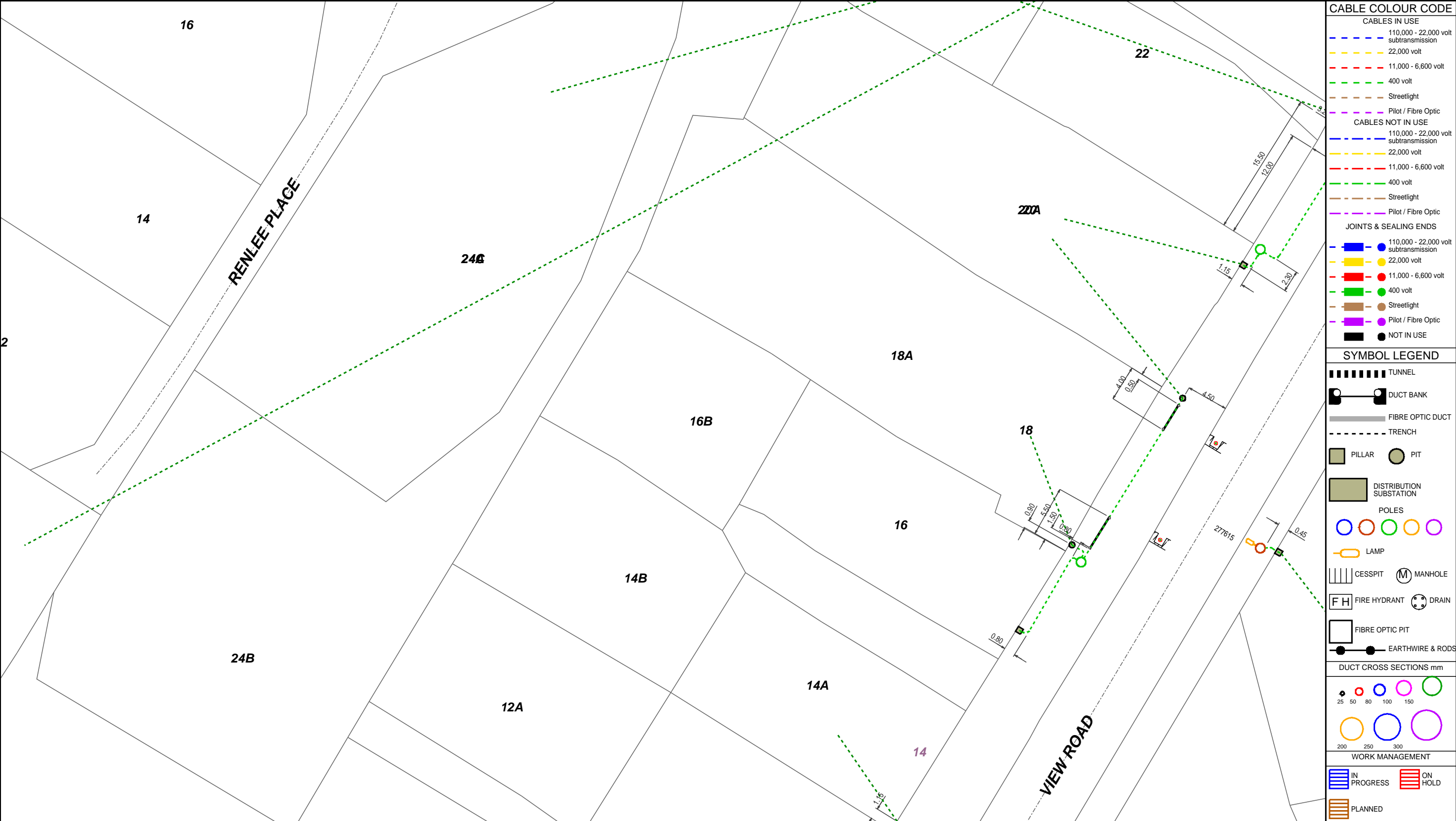
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Date printed: 6. March 2018

Page: 6 of 11

A3 ELECTRICITY OBSTRUCTION PLAN



CABLE COLOUR CODE

CABLES IN USE

110,000 - 22,000 volt subtransmission

22,000 volt

11,000 - 6,600 volt

400 volt

Streetlight

Pilot / Fibre Optic

CABLES NOT IN USE

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22,000 volt

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DUCT BANK

FIBRE OPTIC DUCT

TRENCH

PILLAR

PIT

DISTRIBUTION SUBSTATION

POLES

LAMP

CESSPIT

MANHOLE

FIRE HYDRANT

DRAIN

FIBRE OPTIC PIT

EARTHWIRE & RODS

DUCT CROSS SECTIONS mm

25

50

80

100

150

200

250

300

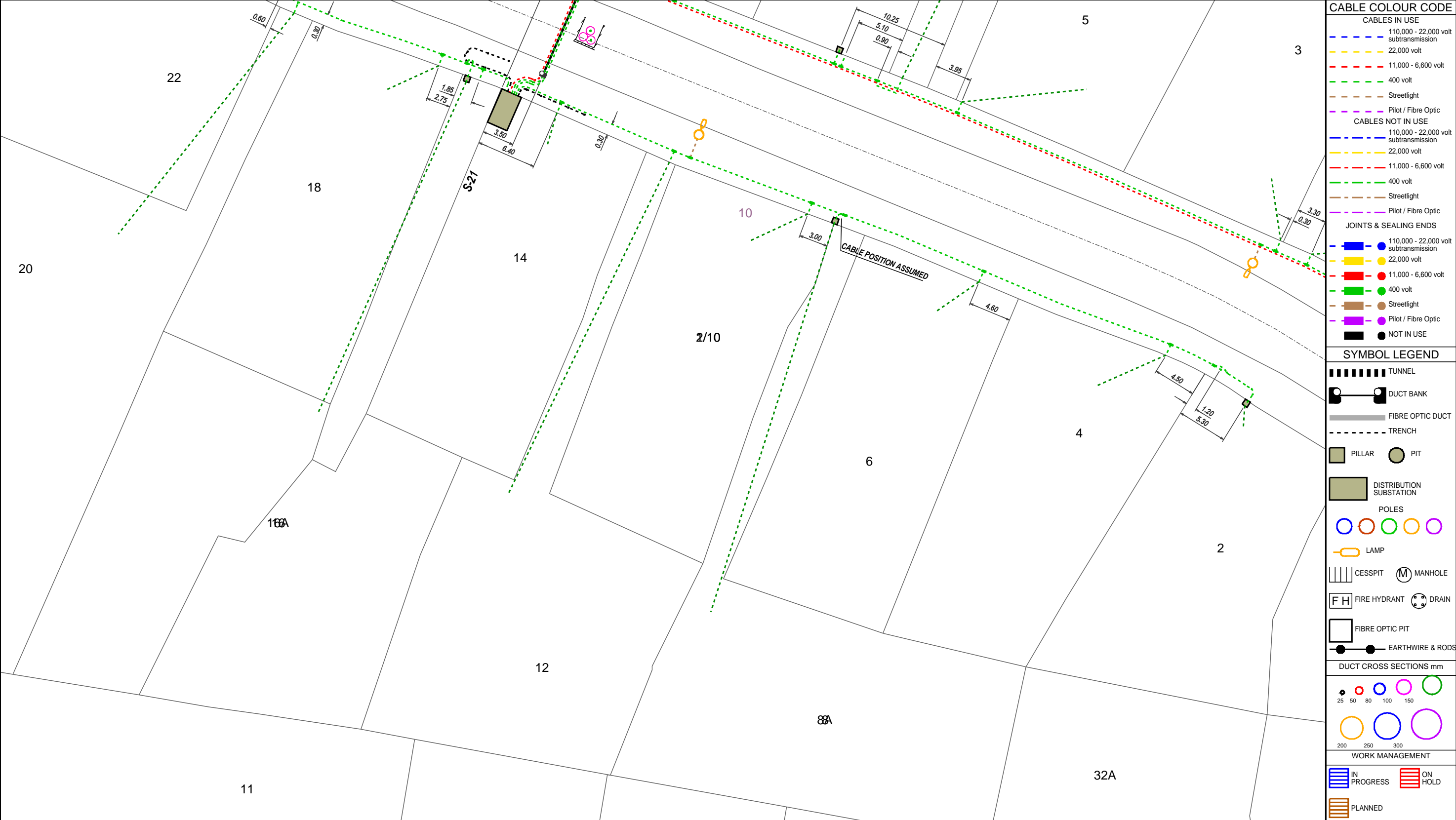
WORK MANAGEMENT


IN PROGRESS

ON HOLD

PLANNED

	22kV, 33kV, 110kV SUB TRANSMISSION CABLES-SPECIAL CONDITIONS APPLY: Vector Limited provides a free standover service that requires 2 working days notice. Hand digging is required when excavating within 1 metre of the cable. Replacement trench backfill material must be the same as that removed and it must be replaced to the same level of compaction. Refer to attached covering letter for additional information.	Title:	A3 ELECTRICITY OBSTRUCTION PLAN												
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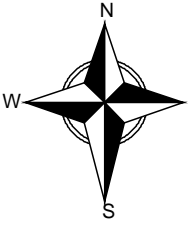
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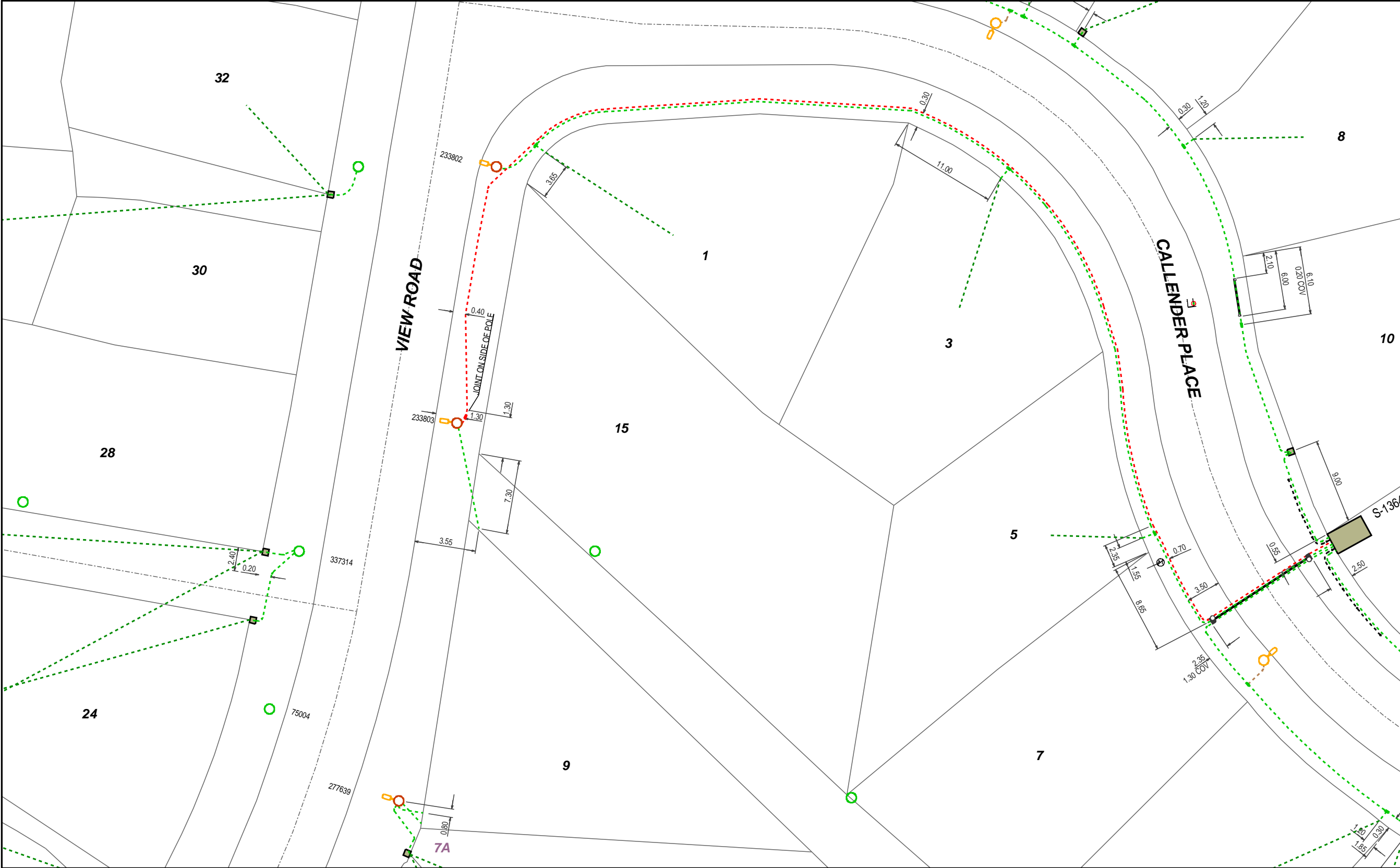
Printed by: swadmin

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Page: 9 of 11

A3 ELECTRICITY OBSTRUCTION PLAN





CABLE COLOUR CODE
CABLES IN USE
--- 110,000 - 22,000 volt subtransmission
--- 22,000 volt
--- 11,000 - 6,600 volt
--- 400 volt
--- Streetlight
--- Pilot / Fibre Optic
CABLES NOT IN USE
--- 110,000 - 22,000 volt subtransmission
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JOINTS & SEALING ENDS
● 110,000 - 22,000 volt subtransmission
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● 11,000 - 6,600 volt
● 400 volt
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SYMBOL LEGEND
■■■■■■ TUNNEL
□ □ DUCT BANK
— FIBRE OPTIC DUCT
- - - TRENCH
■ PILLAR ● PIT
■ DISTRIBUTION SUBSTATION
POLES
○ ○ ○ ○ ○
— LAMP
|||| CESSPIT (M) MANHOLE
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DUCT CROSS SECTIONS mm
25 50 80 100 150
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■■■■ PLANNED