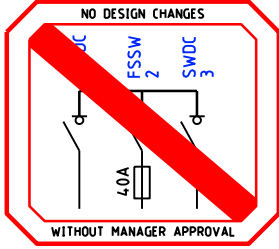
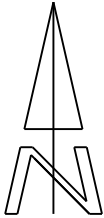


GOLDEN SAFETY RULES ARE INDICATIVE ONLY - ALWAYS PERFORM A DETAILED HAZARD ANALYSIS.



LEGEND	
LV-SL CABLES	
CN45 - 240mm2 (1x3c)	
CN44 - 185mm2 (1x3c)	
CN43 - 120mm2 (1x3c)	
CN42 - 25mm2 (1x3c)	
CN41 - 16mm2 SL (1c)	
40 C PILOT	
EXISTING LV CABLES (SIZE AND TYPE INDICATED)	
PILLARS / PITS / ETC	
MINI (WORKING END)	UMS PIT
UNIVERSAL	UTILITIES PIT
MINI	BGSP PIT
LINK	100/200AMP CUTOUT
CABLE MARKER U/G	CONDUIT / POLY PIPE
Serviced Uncleared De-energised Lot	
OH EQUIPMENT	
INTERMEDIATE	PTS
DOF	HV ISOLATOR
INLINE STRAIN	LV DISCONNECTOR
PTT	ISOL TX
AERIAL STAY	OUTRIGGER STAY
RECLOSER	GROUND STAY
LOAD BREAK SWITCH	SECTIONALISER
CAPACITOR	LV ABC KRONE
LBPTS	STREETLIGHT BOX
AERIAL CONDUCTORS AND POLES	
NEW POLE (ANY TYPE AS INDICATED)	
EXISTING POLE (ANY TYPE AS INDICATED)	
HV	LV
EXISTING AERIAL CONDUCTORS (SIZE AND TYPE INDICATED)	

ISSUED FOR CONSTRUCTION

EXTREME FIRE RISK AREA

Rev.	REVISIONS	DRN	DATE	FILE REFERENCE DETAILS
B	INSTALL NEW POLE TO AVOID ROCK IN CABLE ROUTE AS PER REV A	D.P.	10/21	MRWA CONDITIONAL AGREEMENT EDM# 56798880
A	ISSUED FOR CONSTRUCTION	M.S.	06/21	SHE ASSESSMENT FILTER EDM#: 56726717
				HAZARD MANAGEMENT REGISTER EDM#: 56727940

RESIDENTIAL SUPPLY UPGRADE  
43kVA MAXIMUM DEMAND SUPPLY  
LOT 71 (#1379) BROOKTON HWY, KARRAGULLEN  
NETWORK VOLTAGE - HV:22kV/ LV:415V  
DESIGN DRAWING

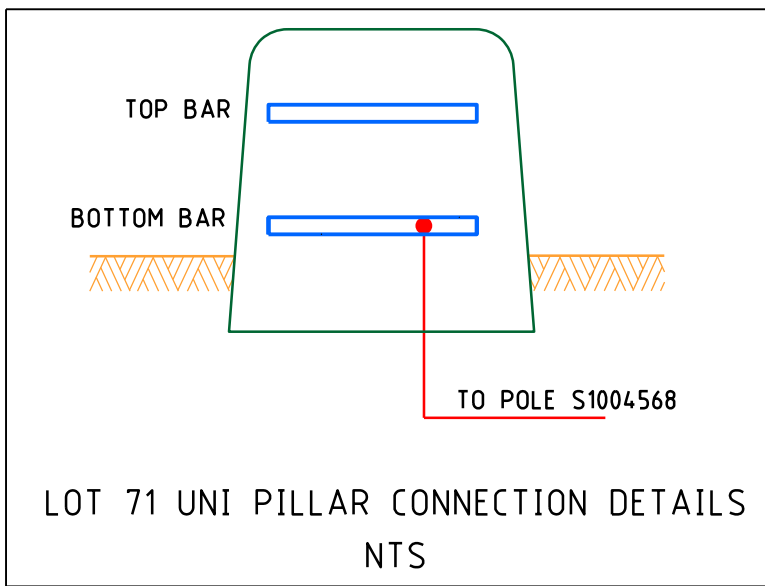
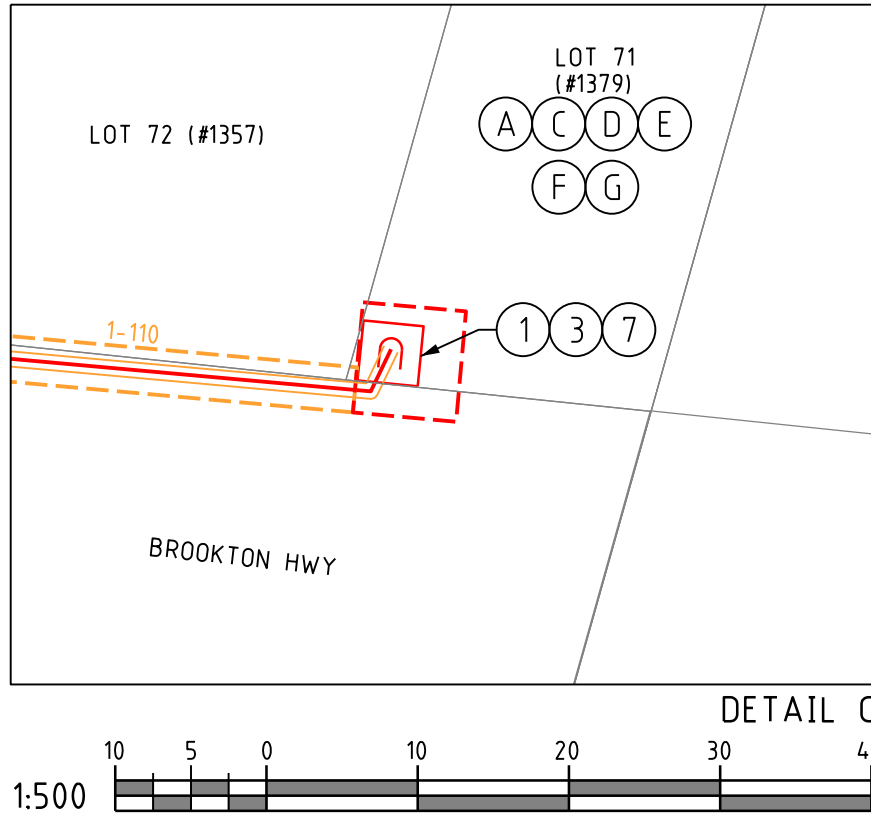
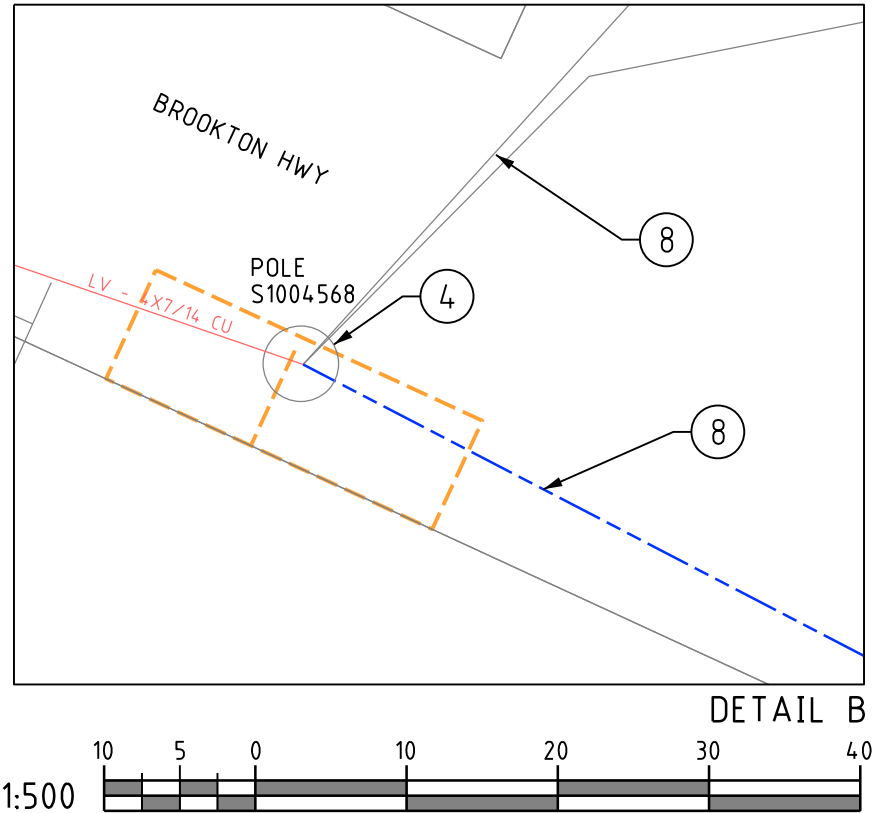
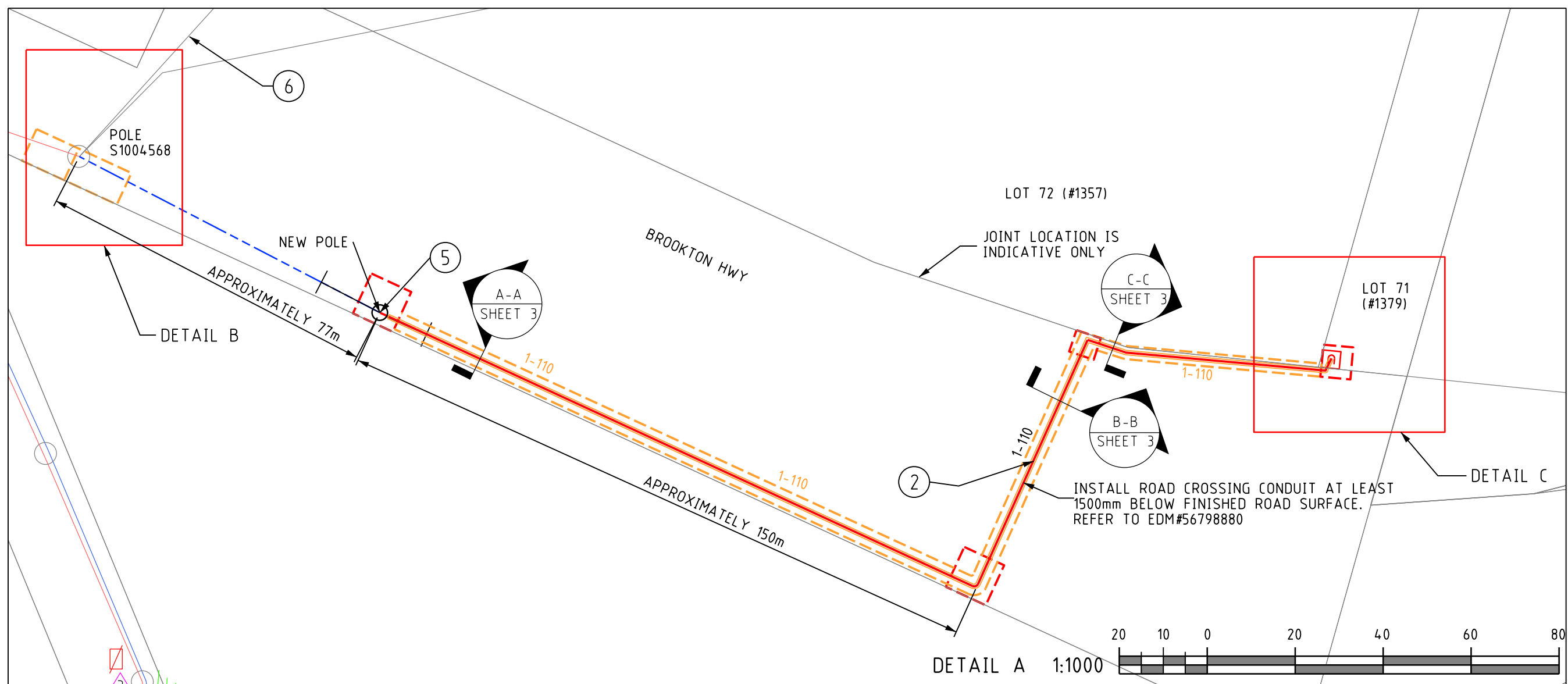


DESIGNER: CUSTOMER CONNECTION DESIGN	DRAWING NUMBER
TEL: 13 10 87	
DATE: 06/21	SCALE: AS NOTED @ A2
GEO REF: Lat. - 32° 06'30.8" S Long. - 116° 07'46.4" E	
REV: B	ORIGINAL SIZE - A2

CONSULTANT CONTACT DETAILS  
COMPANY NAME: ELECTRICAL CONSULTANCY WA (ECWA)  
REFERENCE NO: ECWA21028  
CONTACT: MICHAEL ANILE TEL: 0439 988 739

CUSTOMER CONTACT DETAILS  
COMPANY NAME: RED GULLY FORGE PTY LTD  
CONTACT: MATTHEW & JILL SMAILES TEL: -

MP195753  
SHEET 1 OF 4



EXTREME FIRE RISK AREA

ISSUED FOR CONSTRUCTION

- ### CUSTOMER SCOPE OF WORKS
- A THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE WESTERN AUSTRALIAN SERVICE AND INSTALLATION REQUIREMENTS.
  - B PILLAR EXCLUSION ZONE TO BE PREPARED AS PER THE WESTERN AUSTRALIAN DISTRIBUTION CONNECTIONS MANUAL CLAUSE 12.5.3. THIS INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING:
    - 1. PEGGING THE PILLAR LOCATION AND ADJACENT BOUNDARY LOCATION PRIOR TO CONSTRUCTION.
    - 2. ONLY EASILY REMOVABLE SURFACE TREATMENT IS TO BE INSTALLED IN THIS AREA, SUCH AS BRICK PAVING.
    - 3. CLEAR OF ALL SERVICES.
    - 4. LOCATED 300mm ABOVE 100 YEAR FLOOD LEVEL AND NOT IN A PRECARIOUS POSITION.
  - C IF CLEARING IS REQUIRED FOR WESTERN POWER SCOPE OF WORKS, THE CUSTOMER MUST ARRANGE FOR THIS CLEARING AT CUSTOMER'S EXPENSE. ANY CLEARING MUST COMPLY WITH RELEVANT REGULATIONS AND LEGISLATION. SEE SHEET 4 FOR DETAILS.
  - D CUSTOMER MUST COMPLY WITH POWER QUALITY LIMITS AS PER SA/SNZ TS IEC 61000.3.5 AND WESTERN POWER TECHNICAL REQUIREMENTS.
  - E CUSTOMER IS RESPONSIBLE TO ARRANGE INSTALLATION OF NEW CONSUMER MAINS TO THE NEW POINT OF SUPPLY. MAX SIZE CONSUMER MAINS THAT CAN BE TERMINATED IS 35mm<sup>2</sup>/PHASE.
  - F CUSTOMER TO ENSURE THAT NEW MSB IS NOT MORE THAN 30m FROM NEW POINT OF SUPPLY.
  - G CUSTOMER TO REMOVE CUSTOMER POLE INCLUDING POLES ON LOT 72 AFTER COMPLETION OF WORKS.

- ### WESTERN POWER SCOPE OF WORKS
- 1 INSTALL NEW UNI PILLAR ON LOT 71 AS PER PILLAR EXCLUSION ZONE DETAIL.  
CU = LU11 x 1  
DCSH = U9
  - 2 INSTALL NEW 240mm<sup>2</sup> LV CABLE FROM NEW UNI PILLAR ON LOT 71 TO NEW 11m/6KN POLE. CONSTRUCTION CREW TO MARK JOINT LOCATION ON AS CONSTRUCTED DRAWING.  
CU = CN45 x 300m, CN54 x 4, CN73\_LVMAINS x 6, LU2 x 1
  - 3 TERMINATE NEW 240mm<sup>2</sup> LV CABLE TO UNI PILLAR AT LOT 71 AS PER LOT 71 UNI PILLAR CONNECTION DETAILS.  
CU = LU7 x 1
  - 4 REPLACE EXISTING LV TERMINATION WITH NEW LV INLINE CROSS ARM ON EXISTING POLE S100456. KEEP EXISTING GROUND STAY. INSTALL NEW GROUND STAY ON OTHER SIDE OF EXISTING STAY AT SAME DISTANCE FROM THE GROUND.  
CU: LV3 x 1, CN13 x 8, CN9 x 8, CN69 x 4, CN70 x 4.  
DCSH: L3
  - 5 INSTALL NEW 11m/6KN POLE APPROXIMATELY 77m EAST FROM EXISTING POLE S1004568 ON 2.7m POLE ALIGNMENT. INSTALL LV TERMINATION CROSS ARM. INSTALL GROUND STAY. TERMINATE NEW 240mm<sup>2</sup> LV CABLE TO LV BARE AT NEW POLE.  
CU = P06 x 1, LV5 x 1, CN13 x 4, ST1 x 1, LU6\_2400 x 1, LU6\_240U x 1  
DCSH = R13/3, L5, R14/1, U16-1
  - 6 INSTALL NEW 7 / 475 AAC CONDUCTORS FROM EXISTING POLE S1004568 TO NEW POLE.  
CU: CN36\_7/475 x 350m
  - 7 TERMINATE CUSTOMER CABLE IN CONJUNCTION WITH CUSTOMER'S ELECTRICIAN.
  - 8 DISCONNECT & REMOVE EXISTING CUSTOMER AERIAL SERVICE OF LOT 71 FROM POLE S1004568.
  - 9 RELOCATE EXISTING DIRECT METERING TO NEW CUSTOMER MSB.
  - 10 POSSESSION OF SITE CERTIFICATE IS TO BE REQUESTED, AND MAIN ROADS DOCUMENT D18#604587 'SEEKING APPROVAL TO UNDERTAKE WORKS WITHIN THE ROAD RESERVE' TO BE COMPLETED.
  - 11 CM TO COMPLY WITH MRWA CONDITIONAL AGREEMENT-REFER TO EDM#56798880
  - 12 ENVIRONMENTAL FILTER CHECKED.
- THE FOLLOWING ENVIRONMENTAL ISSUES HAVE BEEN IDENTIFIED FOR THIS PROJECT.
- 1. DECLARED RARE FLORA - PRIORITY FLORE WITH 350m BUFFER
  - 2. NATIVE VEGETATION REMAINING
  - 3. DECLARED RARE FLORA - WA HERBARIUM WITH 350m BUFFER
- PLEASE REFER TO THE SHEET 4 FOR MORE INFORMATION.

#### CUSTOMER CONTACT DETAILS

COMPANY NAME: RED GULLY FORGE PTY LTD

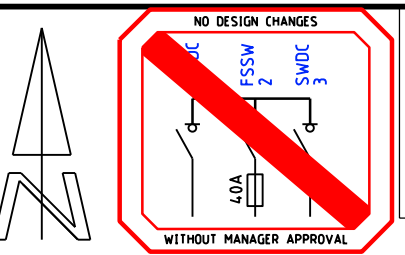
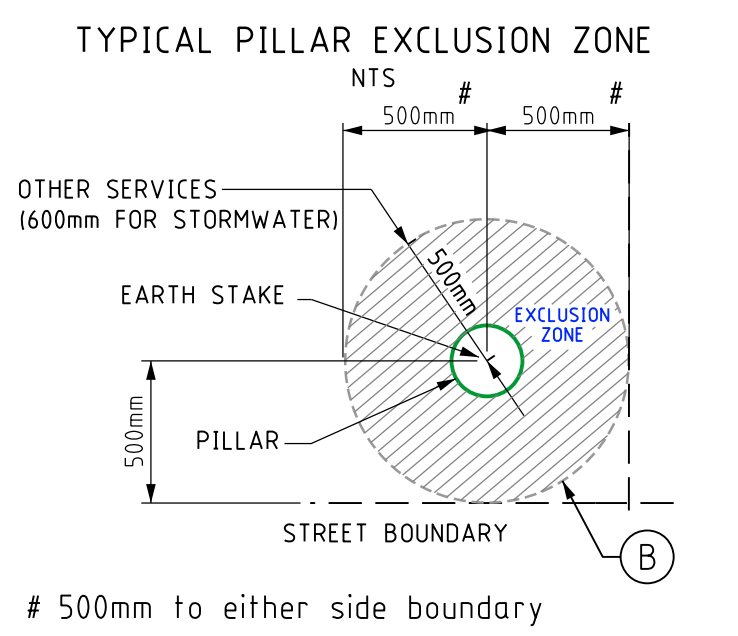
CONTACT: MATTHEW & JILL SMAILES TEL: -

#### CONSULTANT CONTACT DETAILS

COMPANY NAME: ELECTRICAL CONSULTANCY WA (ECWA)

REFERENCE NO: ECWA21028

CONTACT: MICHAEL ANILE TEL: 0439 988 739



LEGEND	
LV-SL CABLES	
CN45 - 240mm <sup>2</sup> (1x3c)	
CN44 - 185mm <sup>2</sup> (1x3c)	
CN43 - 120mm <sup>2</sup> (1x3c)	
CN42 - 25mm <sup>2</sup> (1x3c)	
CN41 - 16mm <sup>2</sup> SL (1c)	
40 C PILOT	
EXISTING LV CABLES (SIZE AND TYPE INDICATED)	
PILLARS / PITS / ETC	
MINI (WORKING END)	UMS PIT
UNIVERSAL	UTILITIES PIT
MINI	BGSP PIT
LINK	100/200AMP CUTOFF
CABLE MARKER U/G	CONDUIT / POLY PIPE
Green	Serviced Uncleared De-energised Lot
OH EQUIPMENT	
INTERMEDIATE	PTS
DOF	HV ISOLATOR
INLINE STRAIN	LV DISCONNECTOR
PTT	ISOL TX
AERIAL STAY	OUTRIGGER STAY
RECLOSER	GROUND STAY
LOAD BREAK SWITCH	SECTIONALISER
CAPACITOR	LV ABC KRONE
LBPTS	STREETLIGHT BOX
AERIAL CONDUCTORS AND POLES	
NEW POLE (ANY TYPE AS INDICATED)	
EXISTING POLE (ANY TYPE AS INDICATED)	
HV	EXISTING AERIAL CONDUCTORS (SIZE AND TYPE INDICATED)
LV	

Rev.	REVISIONS	DRN	DATE	FILE REFERENCE DETAILS
B	INSTALL NEW POLE TO AVOID ROCK IN CABLE ROUTE AS PER REV A	D.P.	10/21	MRWA CONDITIONAL AGREEMENT EDM# 56798880
A	ISSUED FOR CONSTRUCTION	M.S.	06/21	SHE ASSESSMENT FILTER EDM#: 56726717
				HAZARD MANAGEMENT REGISTER EDM#: 56727940

## RESIDENTIAL SUPPLY UPGRADE

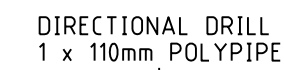
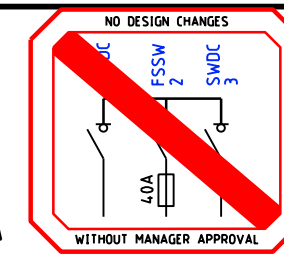
### 43kVA MAXIMUM DEMAND SUPPLY


LOT 71 (#1379) BROOKTON HWY, KARRAGULLEN

NETWORK VOLTAGE - HV:22kV/ LV:415V

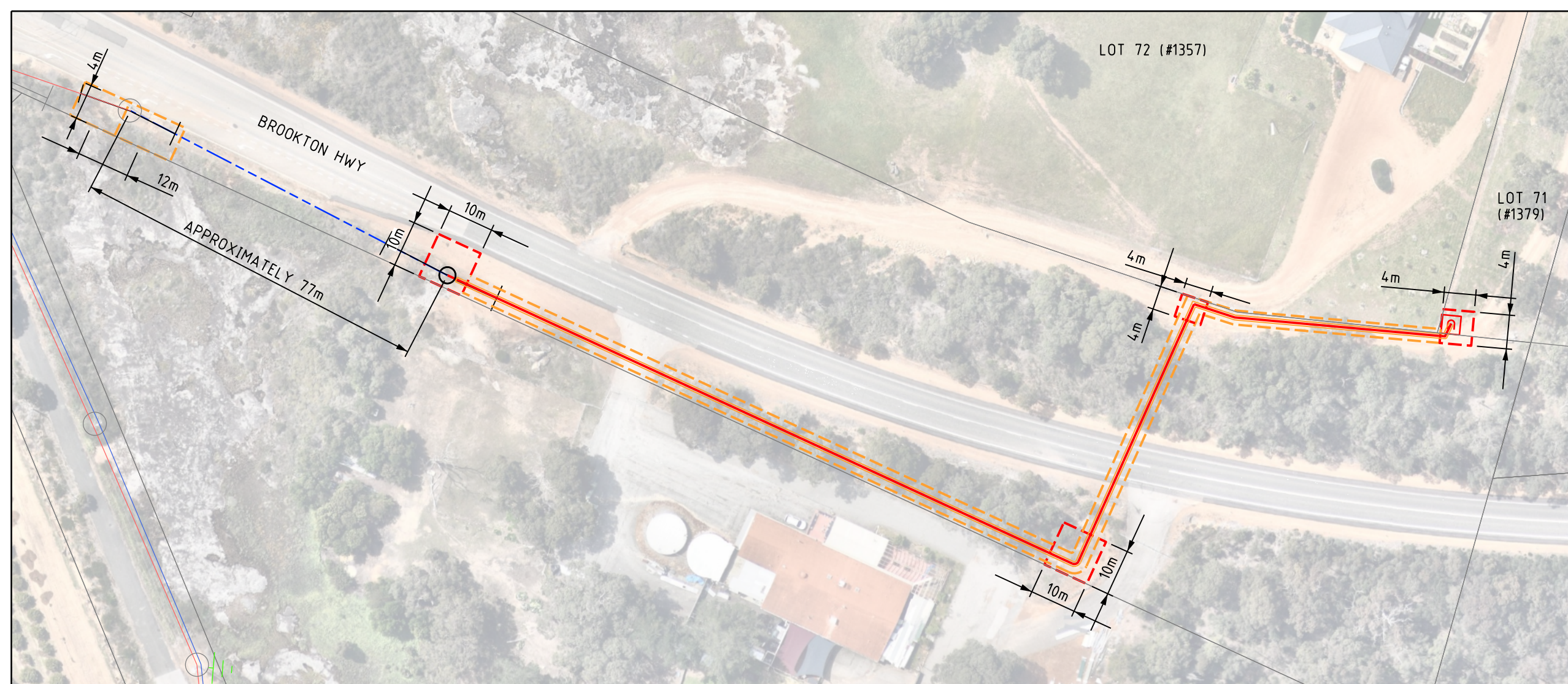
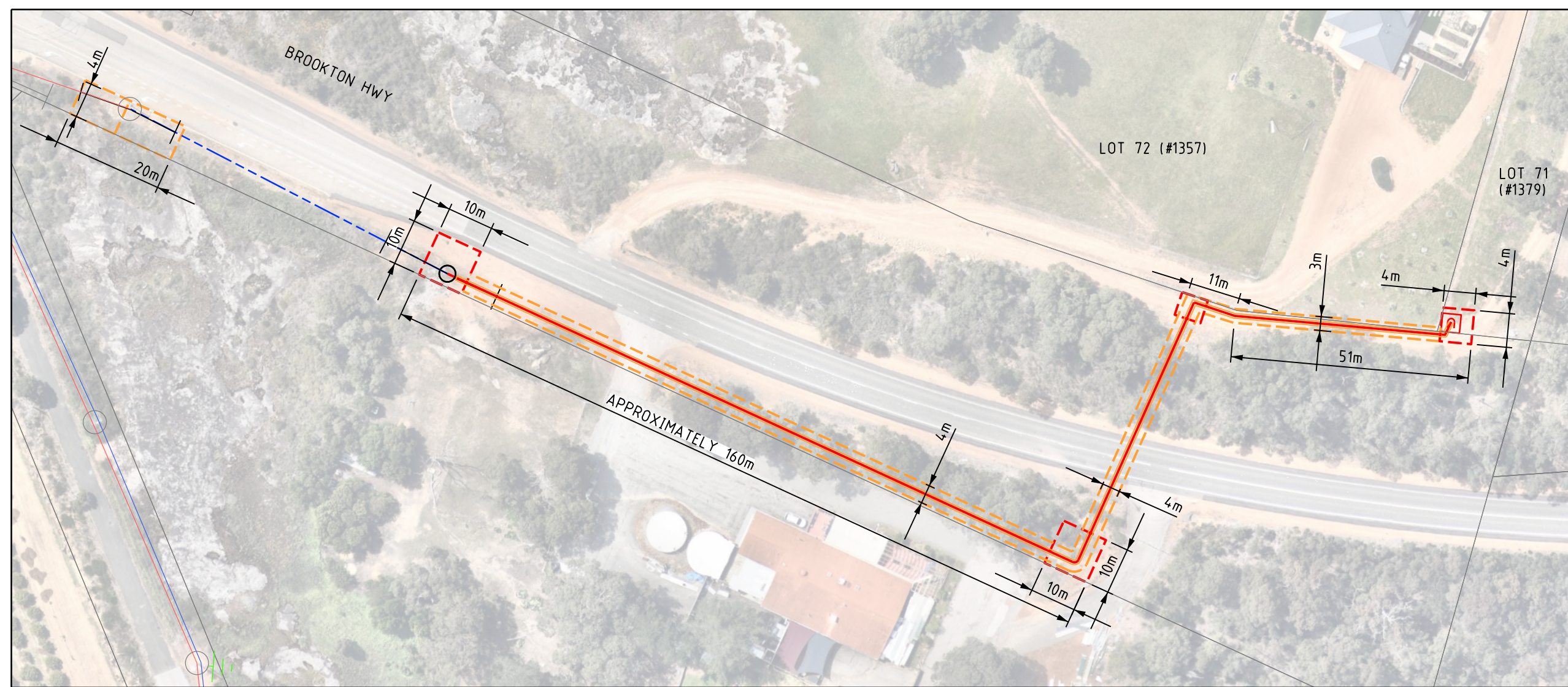
DESIGN DRAWING

DESIGNER: CUSTOMER CONNECTION DESIGN	DRAWING NUMBER
TEL: 13 10 87	
DATE: 06/21	SCALE: AS NOTED @ A2
GEO REF: Lat. - 32° 06'30.8" S	
Long. - 116° 07'46.4" E	
REV: B	ORIGINAL SIZE - A2



 <b>westernpower</b>		
DESIGNER: CUSTOMER CONNECTION DESIGN		DRAWING NUMBER
TEL: 13 10 87		<b>MP195753</b>  SHEET 3 OF 4
DATE: 06/21	SCALE: AS NOTED @ A2	
GEO REF: Lat. - 32° 06'30.8" S Long. - 116° 07'46.4" E		
		REV: B ORIGINAL SIZE - A2





## VEGETATION INSTRUCTION

With regard to your requested works, it has been identified by Western Power that the clearing or potential clearing is required to facilitate the connection.

The Department of Water and Environmental Regulation (DWER) administers the clearing provisions of the Environmental Protection Act 1986 (EP Act). Under the EP Act, clearing of native vegetation is an offence unless it is done under the authority of a clearing permit or an exemption applies. Note there are some circumstances where exemptions are granted. Advice on relevant exemptions can be obtained via DWER's Guide 1 - Exemptions and regulations for clearing native vegetation and clarification can be sought via emailing DWER directly via [info@dwere.wa.gov.au](mailto:info@dwere.wa.gov.au).

Detail A shows the area of 1183m<sup>2</sup> which a clearing permit is required, which will allow for the works to proceed. The area is defined as the operational potential impact in performing the works. The permit allows for inadvertent destruction of vegetation but is not required to be cleared by the customer prior to works commencing.

Detail B is the area within Detail A in which customer will have to arrange to be cleared/removed of any vegetation and prepare the site prior to works commencing as specified in the design drawing sheet 2 of 4.

To assist in the above task, when the clearing is to be across multiple properties, which are third party to yourself, including road reserve, Western Power recommends that a Purpose Permit (Form C2) be submitted to DWER (found via [www.dwer.wa.gov.au](http://www.dwer.wa.gov.au) under the clearing permit tab). Please attach this sheet which should contain the relevant information to fill out the form. The application cost for a Purpose Permit starts from \$2400 subject to the permit area required. You will also be required to obtain approval from the relevant land owners/LGA. Typically a response may take up to 60 working days dependant on the environmental impact.

Please note that DWER may identify that the clearing has significant impacts and there may be additional requirements before or after DWER issue a clearing permit that may impact the delivery date. These may include flora or fauna survey requirements and hygiene management plans.

Please ensure you provide Western Power with a copy of the signed clearing permit to the construction manager as soon as practicable for review and suitability confirmation. Further relevant and supporting information is available via DWER's website. If you have any questions, please contact your allocated designer.



THIS DRAWING IS TO BE READ IN  
CONJUNCTION WITH SHEET 1-3

NO NATIVE VEGETATION MAY BE DISTURBED WITHOUT A PERMIT.

PLEASE NOTE: HEAVY PENALTIES MAY APPLY TO INDIVIDUALS AND BUSINESSES FOR DAMAGE TO NATIVE VEGETATION WITHOUT A PERMIT.

					MRWA CONDITIONAL AGREEMENT EDM# 56798880
B	INSTALL NEW POLE TO AVOID ROCK IN CABLE ROUTE AS PER REV A	D.P.	10/21	SHE ASSESSMENT FILTER EDM#: 5672617	
A	ISSUED FOR CONSTRUCTION	M.S.	06/21	HAZARD MANAGEMENT REGISTER EDM#: 56727940	
Rev.	REVISIONS	DRN	DATE	FILE REFERENCE DETAILS	

## RESIDENTIAL SUPPLY UPGRADE

43kVA MAXIMUM DEMAND SUPPLY

LOT 71 (#1379) BROOKTON HWY, KARRAGULLEN

NETWORK VOLTAGE - HV:22kV/ LV:415V

VEGETATION CLEARING REQUIREMENTS



DESIGNER: CUSTOMER CONNECTION DESIGN		DRAWING NUMBER	
TEL: 13 10 87		MP195753	
DATE: 06/21	SCALE: AS NOTED @ A2		
GEO REF: Lat. - 32° 06'30.8" S Long. - 116° 07'46.4" E		SHEET 4 OF 4	
		REV: B	ORIGINAL SIZE - A2