

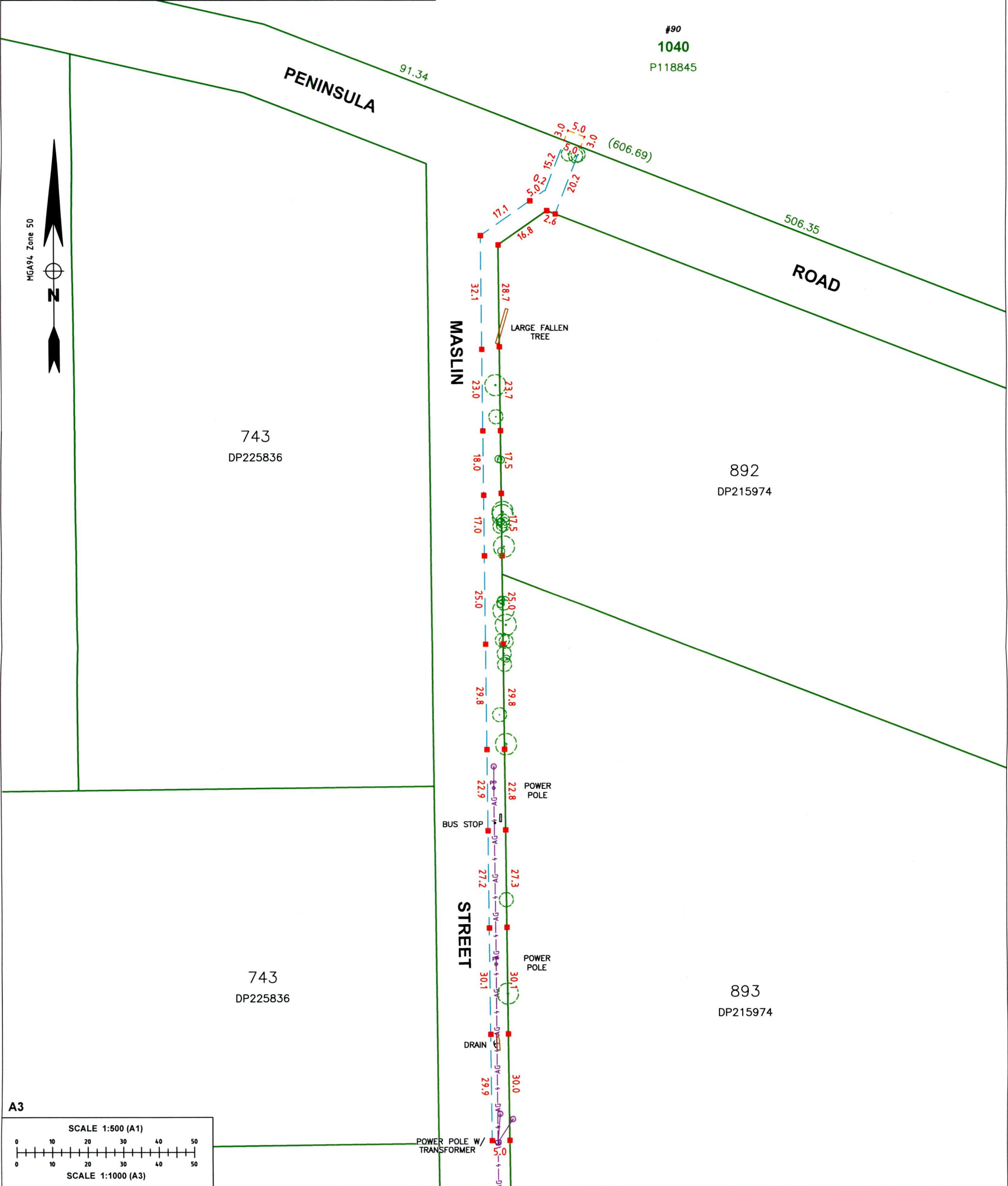






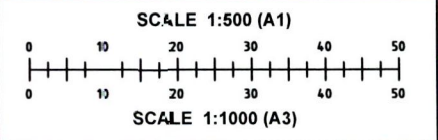
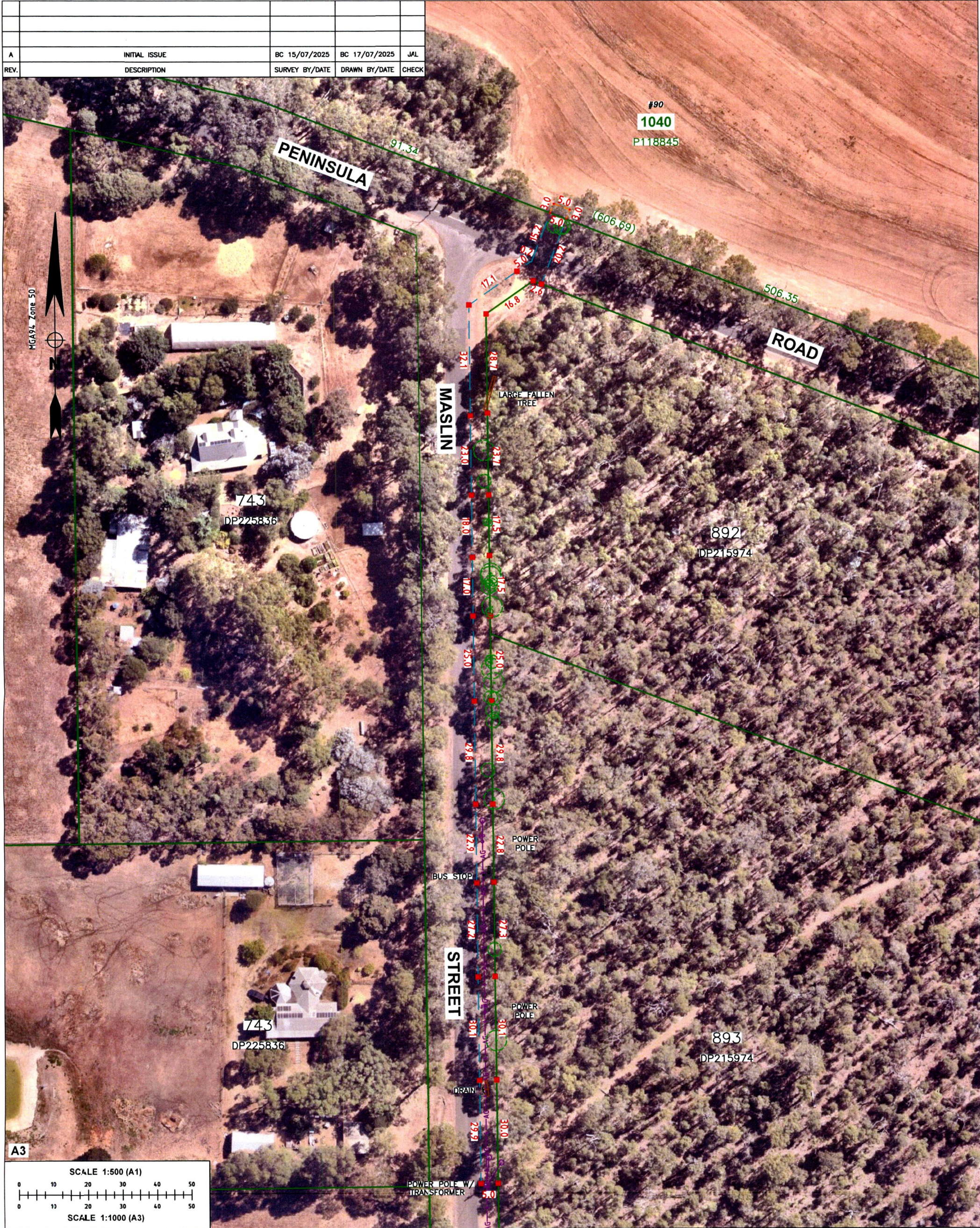


A	INITIAL ISSUE	BC 15/07/2025	BC 17/07/2025	JAL
REV.	DESCRIPTION	SURVEY BY/DATE	DRAWN BY/DATE	CHECK



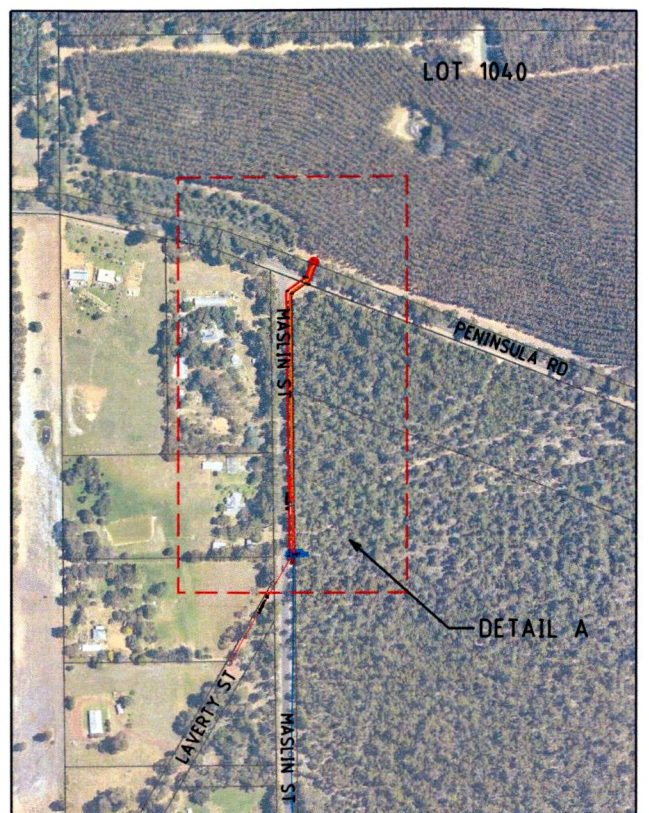
<div><div>LIPID SURVEYS</div><div>LICENSED LAND SURVEYORS ENGINEERING & CONSTRUCTION MINING & 3D DRONE SURVEYS WWW.LPDSURVEYS.COM.AU</div></div>	<div>CLIENT TREVOR EWEN</div> <div>TITLE TRANSFORMER & CLEARING ZONE MARKING MASLIN STREET & PENINSULA ROAD BRIDGETOWN</div>	<div>LOCAL AUTHORITY: SHIRE OF BRIDGETOWN-GREENBUSHES</div> <div>12d FILE: PENINSULA RD N90 - PLAN</div> <div>JOB No. PLAN TYPE DWG# REV 25:1242 - MISC - 001 - A</div>	<div>HORIZONTAL DATUM MGA94 Zone 50 (SSM 87NW16T) VERTICAL DATUM N/A</div> <div>CONTOUR INT N/A</div> <div>SHEET # 1 OF 2</div>
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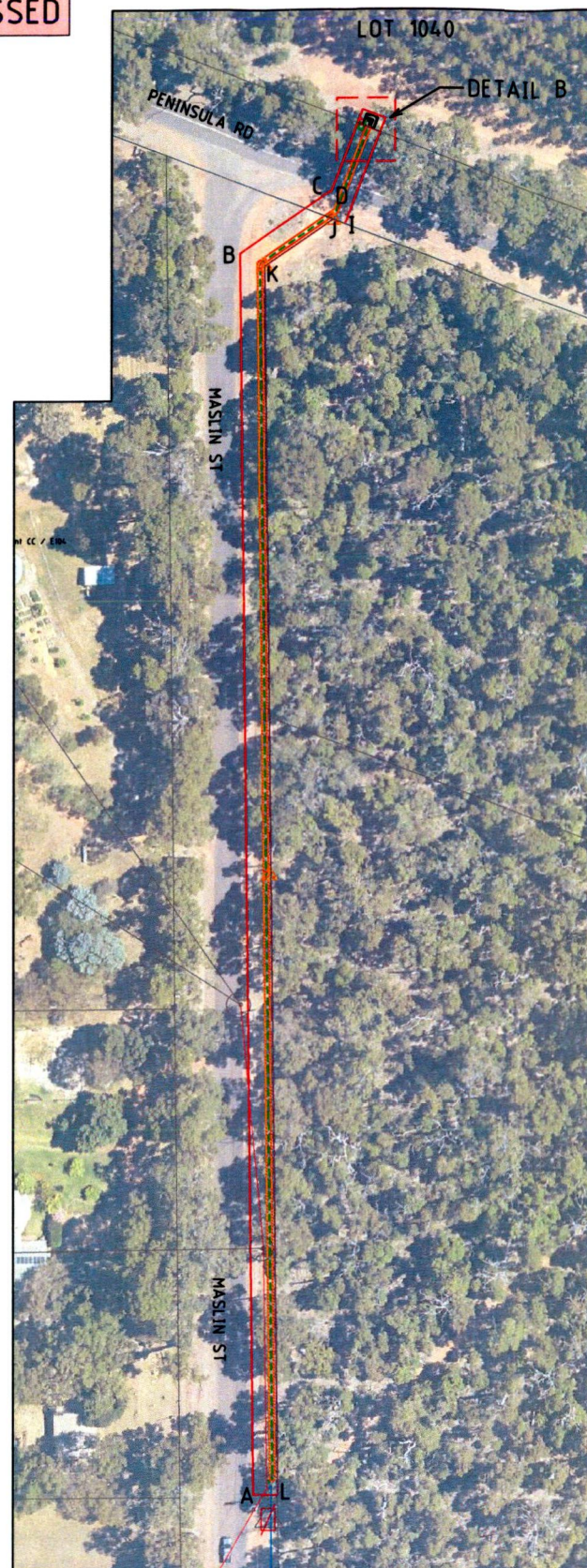
TO BE CONSTRUCTED DE-ENERGISED UNLESS RISK ASSESSED



1:5000
LOCATION MAP.



1:50
DETAIL B.



1:1000
DETAIL A.

VEGETATION INSTRUCTION

WITH REGARD TO YOUR REQUESTED WORKS, IT HAS BEEN IDENTIFIED BY WESTERN POWER THAT CLEARING OR POTENTIAL CLEARING IS REQUIRED TO FACILITATE THE CONNECTION. BEING A CUSTOMER-FUNDED PROJECT, THE CUSTOMER IS RESPONSIBLE FOR OBTAINING ALL NECESSARY CLEARING APPROVALS PRIOR TO THE COMMENCEMENT OF WORKS. YOU CAN ENGAGE AN ENVIRONMENTAL CONSULTANCY TO ASSIST WITH THIS.

THE DEPARTMENT OF WATER AND ENVIRONMENTAL REGULATION (DWER) ADMINISTERS THE CLEARING PROVISIONS OF THE ENVIRONMENTAL PROTECTION ACT 1986 (EP ACT). UNDER THE EP ACT, A CLEARING PERMIT IS REQUIRED TO AUTHORISE CLEARING OF NATIVE VEGETATION UNLESS A VALID EXEMPTION APPLIES OR DWER IDENTIFIES THAT A CLEARING PERMIT IS NOT REQUIRED VIA THE FORMAL CLEARING REFERRAL PROCESS. WHILE CLEARING PERMIT APPLICATIONS ATTRACT FEES, YOU DO NOT HAVE TO PAY A FEE TO SUBMIT A REFERRAL. WHEN APPLYING TO DWER ENSURE THAT THE FOLLOWING WORDING IS INCLUDED IN THE RELEVANT FORMS:

"ALL OTHER CONSTRAINTS HAVE BEEN CONSIDERED AND CLEARING WAS DEEMED THE MOST SIGNIFICANT IMPACT. METHODS TO AVOID AND MINIMISE CLEARING CONSIDERED DURING THE DESIGN PHASE INCLUDED:

1. PLACEMENT OF LAYDOWN AREAS, TURNAROUNDS ETC. IN PREVIOUSLY CLEARED LAND
2. UTILISATION OF EXISTING ACCESS TRACKS WHERE POSSIBLE
3. RESTRICTION OF WORKS TO EXISTING MAINTENANCE ZONE WHERE POSSIBLE
4. UTILISATION OF PRUNING INSTEAD OF CLEARING WHERE POSSIBLE
5. UTILISATION OF FARMER'S PADDOCKS AND PREVIOUSLY CLEARED AREAS WHERE POSSIBLE
6. UNDERGROUNDING OF CABLES AND DRILLING INSTEAD OF TRENCHING
7. SELECTION OF JOINT AND ENTRY/EXIT HOLE LOCATIONS TO AVOID CLEARING OF (HIGH VALUE) VEGETATION
8. HELICOPTER INSTALLATION INSTEAD OF GROUND WORK
9. EARLY AND CONTINUAL ENGAGEMENT WITH WESTERN POWER ENVIRONMENT TEAM TO HIGHLIGHT PROPOSED RISKS AND AVOID WHERE POSSIBLE
10. USING LARGER LINE SPANS THAT CAN SPAN OVER VEGETATION
11. USING STRUCTURES WITH SMALLER FOOTPRINTS
12. IMPLEMENTING LOWER IMPACT CLEARING METHODOLOGIES, FOR EXAMPLE HAND CLEARING INSTEAD OF MECHANICAL CLEARING"

REFER TO <https://www.wa.gov.au/service/environment/environment-information-services/clearing-permits> FOR FURTHER INFORMATION ON CLEARING APPROVAL REQUIREMENTS. 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@dwer.wa.gov.au.

DETAIL A OF 1476m² IS THE AREA IN WHICH A CLEARING PERMIT IS REQUIRED, WHICH WILL ALLOW FOR THE WORKS TO PROCEED. THE AREA THAT IS DEFINED IS THE OPERATIONAL POTENTIAL IMPACT OF PERFORMING THE CONSTRUCTION WORKS. THIS PERMIT ALLOWS FOR INADVERTENT DESTRUCTION OF VEGETATION AND IS NOT REQUIRED BY THE LANDOWNER TO CLEAR PRIOR TO WORKS PROCEEDING.

DETAIL B IS THE AREA WITHIN DETAIL A IN WHICH YOU WILL HAVE TO ARRANGE TO CLEAR/REMOVE ALL VEGETATION AND PREPARE THE SITE AS SPECIFIED IN THE DESIGN DRAWING ON SHEET 1.

THE IDENTIFIED CLEARING (OR POTENTIAL OF) REQUIRED RUNS ACROSS MULTIPLE LAND TENURES. THE PROPONENTS AFFECTED ARE IDENTIFIED IN RED IN THE SITE LOCATION PLAN. DWER REQUIRES THAT WRITTEN APPROVAL TO CLEAR FROM THE LANDOWNER OR LAND MANAGER (E.G. LGA, FARMER) BE PROVIDED AS PART OF A CLEARING PERMIT REFERRAL OR APPLICATION.

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 THE WESTERN POWER SCOPING SPECIALIST/CONSTRUCTION MANAGER WITH A COPY OF ONE OF THE FOLLOWING AS SOON AS PRACTICABLE FOR REVIEW AND SUITABILITY CONFIRMATION:

- A CLEARING PERMIT; OR
- A REFERRAL DETERMINATION NOTICE ISSUED BY DWER CONFIRMING A CLEARING PERMIT IS NOT REQUIRED; OR
- WRITTEN DETAILS OF A RELEVANT CLEARING PERMIT EXEMPTION AND SUPPORTING DOCUMENTS (INCLUDING ANY REGULATOR CORRESPONDENCE).

FURTHER RELEVANT AND SUPPORTING INFORMATION IS AVAILABLE VIA DWER'S WEBSITE. IF YOU HAVE ANY QUESTIONS ABOUT WESTERN POWER'S REQUIREMENTS, PLEASE CONTACT YOUR ALLOCATED DESIGNER.

VEGETATION PERMIT ONLY COORDINATES

REFERENCE	LOCATION	
	EASTING	NORTHING
A	417364.306	6243271.509
B	417361.345	6243526.541
C	417379.519	6243539.174
D	417379.799	6243539.066
F	417386.301	6243555.962
G	417390.967	6243554.166
I	417382.669	6243532.604
J	417380.196	6243533.556
K	417366.375	6243523.948
L	417369.306	6243271.567

VEGETATION PERMIT ONLY AREA

MGA94 Z50 COORDINATE SYSTEM
TOTAL AREA 1476m²

VEGETATION CLEARING COORDINATES

REFERENCE	LOCATION	
	EASTING	NORTHING
E	417385.224	6243553.162
F	417386.301	6243555.962
G	417390.967	6243554.166
H	417389.890	6243551.366

VEGETATION CLEARING AREA

MGA94 Z50 COORDINATE SYSTEM
TOTAL AREA 15m²

LEGEND

HV CABLES

CN47 - 35mm² (1c)
EXISTING HV CABLES
(SIZE AND TYPE INDICATED)

LV-SL CABLES

CN45 - 240mm² (1c3c)
CN42 - 25mm² (1c3c)
CN41 - 16mm² SL (1c)
EXISTING LV CABLES
(SIZE AND TYPE INDICATED)

OH EQUIPMENT

○ INTERMEDIATE PTS
○ DOF HV ISOLATOR
○ INLINE STRAIN LV DISCONNECTOR
○ PTT ISOL TX
○ AERIAL STAY OUTRIGGER STAY
○ LV ABC KRONE GROUND STAY

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

CUSTOMER CONTACT DETAILS

COMPANY NAME:
CONTACT: TREVOR EWEN TEL: 0423 722 065

NEW LV SUPPLY

NEW 240V, 1PH, 4.7kVA DADMD LV SUPPLY

LOT 1040, PENINSULA RD, BRIDGETOWN, WA 6255

NETWORK VOLTAGE: 12.7kV / 240V

DESIGNER: TREVOR PEARCE
DESIGN TEAM: CCS DESIGN TEAM D
EMAIL: ccs.design@westernpower.com.au
TEL: 13 10 87
DATE: 01/25 SCALE: AS NOTED @ A2
GEO REF: Lat. - 33°56'41" S
Long. - 116°06'28" E

westernpower

DRAWING NUMBER

SP052020

SHEET 02 OF 02

REV: A ORIGINAL SIZE - A2

SHE ASSESSMENT DM#: 71160913
EPR ASSESSMENT DM#: 71165008
DBYD DM#: 71165499

HAZARD MANAGEMENT REGISTER DM#: 70842194

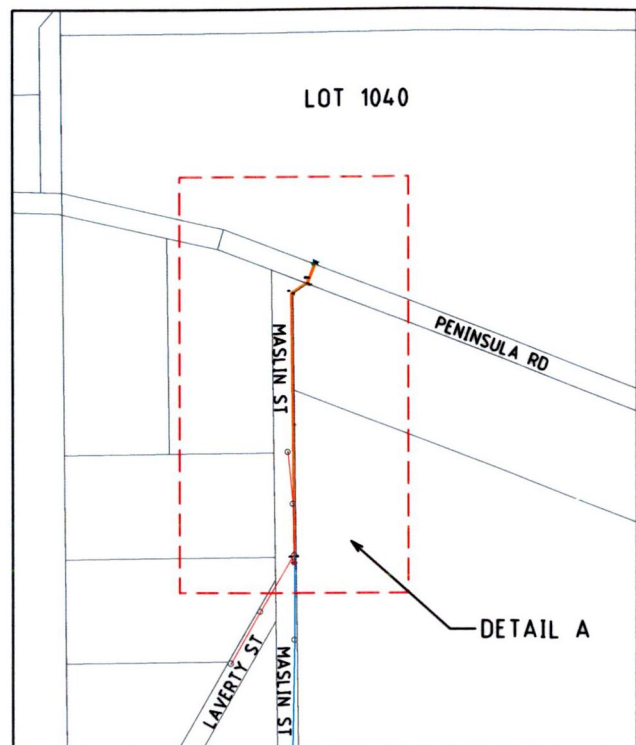
FILE REFERENCE DETAILS

A ISSUED FOR CONSTRUCTION

REVISIONS

T.P. 01/25
DRN DATE

TO BE CONSTRUCTED DE-ENERGISED UNLESS RISK ASSESSED



LOCATION MAP.

WESTERN POWER SCOPE OF WORK

1. INSTALL 25kVA 12.7kV SUBSTATION TO DSM-3-25 AS NOTED ON DRAWING. INSTALL OIL CONTAINMENT PANEL AND POST WITH RAILWAY BALLAST/FLAME TRAP IN ACCORDANCE WITH WASIR CLAUSE 14.6.5, AND DRAWING DSPM-4-02.
CU: HU31_R25/22, HU75, HU77
2. INSTALL PILLAR AS PER ZONE EXCLUSION DETAIL (WASIR CL. 12.5.3).
CU: LU10 DCSH: U08-04
3. INSTALL 1PH 35HV CABLE FROM NEW TRANSFORMER TO POLE S980629.
CU: CN47x310m
4. TERMINATE 1PH 35HV CABLE TO TRANSFORMER.
5. TERMINATE 1PH 35HV CABLE TO POLE S980629.
CU: HU57 DCSH: H47-4
6. INSTALL 25LV CABLE FROM PILLAR TO NEW TRANSFORMER.
CU: CN42x10m
7. TERMINATE 25LV CABLE TO PILLAR.
CU: DCSH: U08-04
8. TERMINATE 25LV CABLE TO TRANSFORMER.
CU: DCSH: R29
9. ENVIRONMENTAL FILTER CHECKED

THE FOLLOWING ENVIRONMENTAL ISSUES HAVE BEEN IDENTIFIED FOR THIS PROJECT. ALL RELEVANT PERMITS / PROCEDURES MUST BE OBTAINED / ADHERED TO:

1. NATIVE VEGETATION REMAINING. (NO NATIVE VEGETATION MAY BE CLEARED OR DAMAGED WITHOUT A PERMIT).

PLEASE REFER TO THE CLEARING DRAWING FOR MORE INFORMATION.

CRITICAL RISK MANAGEMENT

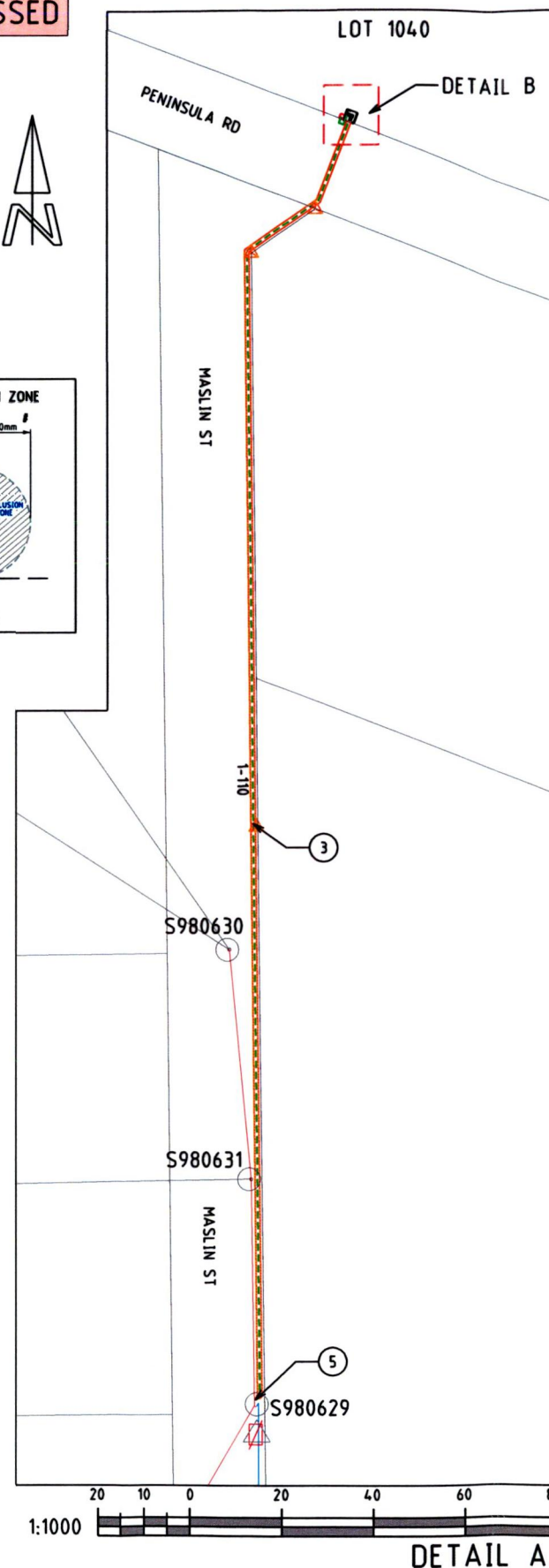
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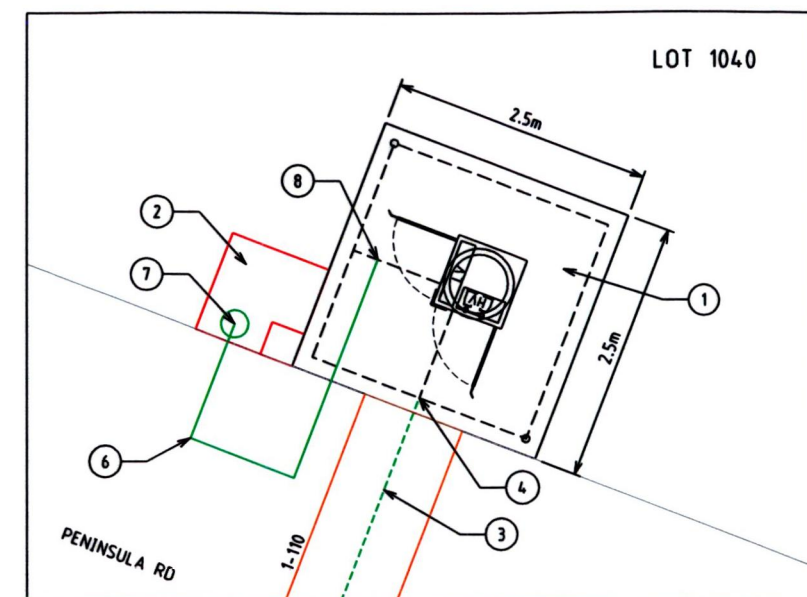
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Rev.	ISSUED FOR CONSTRUCTION	T.P.	01/25
	REVISIONS	DRN	DATE

FILE REFERENCE DETAILS



DETAIL A.



DETAIL B.

CUSTOMER SCOPE OF WORK

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE WESTERN AUSTRALIAN SERVICE AND INSTALLATION REQUIREMENTS.
- SUBSTATION SITE WILL BE PREPARED AS PER THE WESTERN AUSTRALIAN SERVICE AND INSTALLATION REQUIREMENTS CLAUSE 14.4.6. THIS INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING:
 1. PEGGING, COMPACTION AND LEVELLING. A COMPACTION CERTIFICATE IS REQUIRED.
 2. LOCATED 500mm ABOVE 100 YEAR FLOOD LEVEL AND NOT IN A PRECARIOUS POSITION.
 3. CLEAR OF ALL SERVICES INCLUDING ENCROACHMENT.
 4. CLEAN SAND FILL TO A DEPTH OF 152mm. EXCAVATIONS GREATER THAN 15m TO BE IN ACCORDANCE WITH THE EXCAVATION CODE OF PRACTICE.
- PILLAR EXCLUSION ZONE TO BE PREPARED AS PER THE WESTERN AUSTRALIAN SERVICE AND INSTALLATION REQUIREMENTS 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 INCLUDING CONTAMINATED SOIL, ASBESTOS ETC.
 4. LOCATED 300mm ABOVE 100 YEAR FLOOD LEVEL AND NOT IN A PRECARIOUS POSITION.
- CUSTOMER IS RESPONSIBLE TO ARRANGE FOR WESTERN POWER ELECTRICAL CONTRACTOR SERVICE REQUEST OR AN APPROPRIATELY ACCREDITED ELECTRICAL CONTRACTOR TO INSTALL DIRECT METERING IN THE SWITCHBOARD PRIOR TO SUPPLY BEING ENERGISED.
- CUSTOMER MUST COMPLY WITH POWER QUALITY LIMITS AS PER AS/NZS TS IEC 61000.3.5 AND WESTERN POWER TECHNICAL REQUIREMENTS.
- CUSTOMER IS RESPONSIBLE TO ARRANGE FOR WESTERN POWER ELECTRICAL SERVICE REQUEST OR AN APPROPRIATELY ACCREDITED ELECTRICAL CONTRACTOR TO TERMINATE ALL CONSUMER MAINS TO THE MINI-PILLAR BACK BLOCKS. MAX SIZE CONSUMER MAINS THAT CAN BE TERMINATED IS 35mm²/PHASE.
- CUSTOMER IS RESPONSIBLE TO ARRANGE ANY REQUIRED VEGETATION CLEARING & OBTAIN ANY REQUIRED PERMITS. ALL RELEVANT PERMITS SHALL BE SIGHTED BY THE WESTERN POWER CONSTRUCTION MANAGER PRIOR TO WORK COMMENCING.
- NO BUILDINGS ALLOWED WITHIN 4m OF THE SUBSTATION UNLESS 2 HOUR FIRE RATED.
CUSTOMER TO CONTACT WESTERN POWER PROPERTY SPECIALIST AT conveyancing@westernpower.com.au TO ARRANGE THE PREPARATION AND REGISTRATION OF THE REQUIRED 129BA RESTRICTIVE COVENANT.

TELECOMS CABLES
IN VICINITY OF WORKS

WATER CORPORATION PIPES
IN VICINITY OF WORKS

CUSTOMER CONTACT DETAILS

COMPANY NAME:
CONTACT: TREVOR EWEN
TEL: 0423 722 065

DESIGNER: TREVOR PEARCE
DESIGN TEAM: CCS DESIGN TEAM D
EMAIL: ccs.design@westernpower.com.au
TEL: 13 10 87
DATE: 01/25
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LOT 1040, PENINSULA RD, BRIDGETOWN, WA 6255
NETWORK VOLTAGE: 12.7kV / 240V