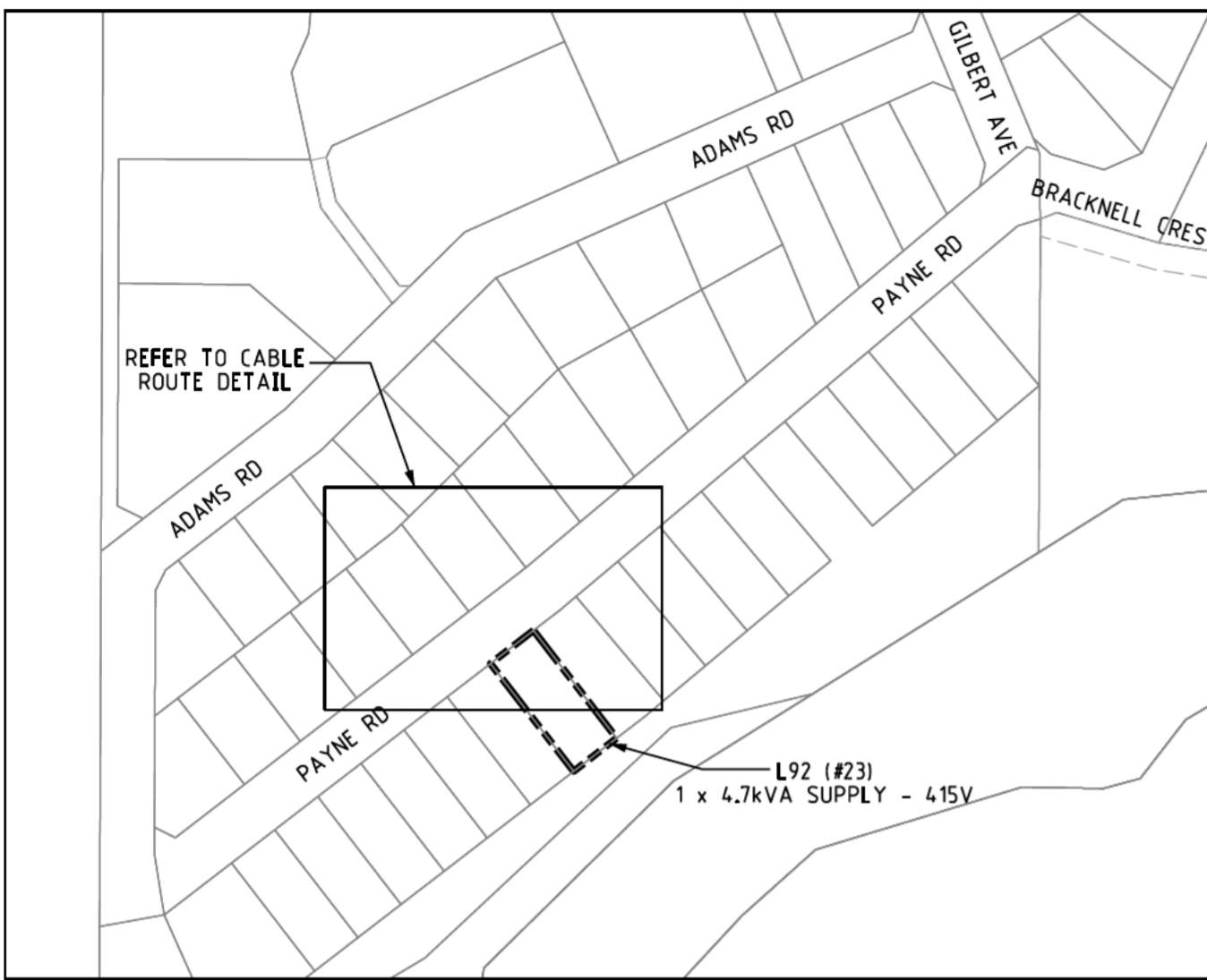
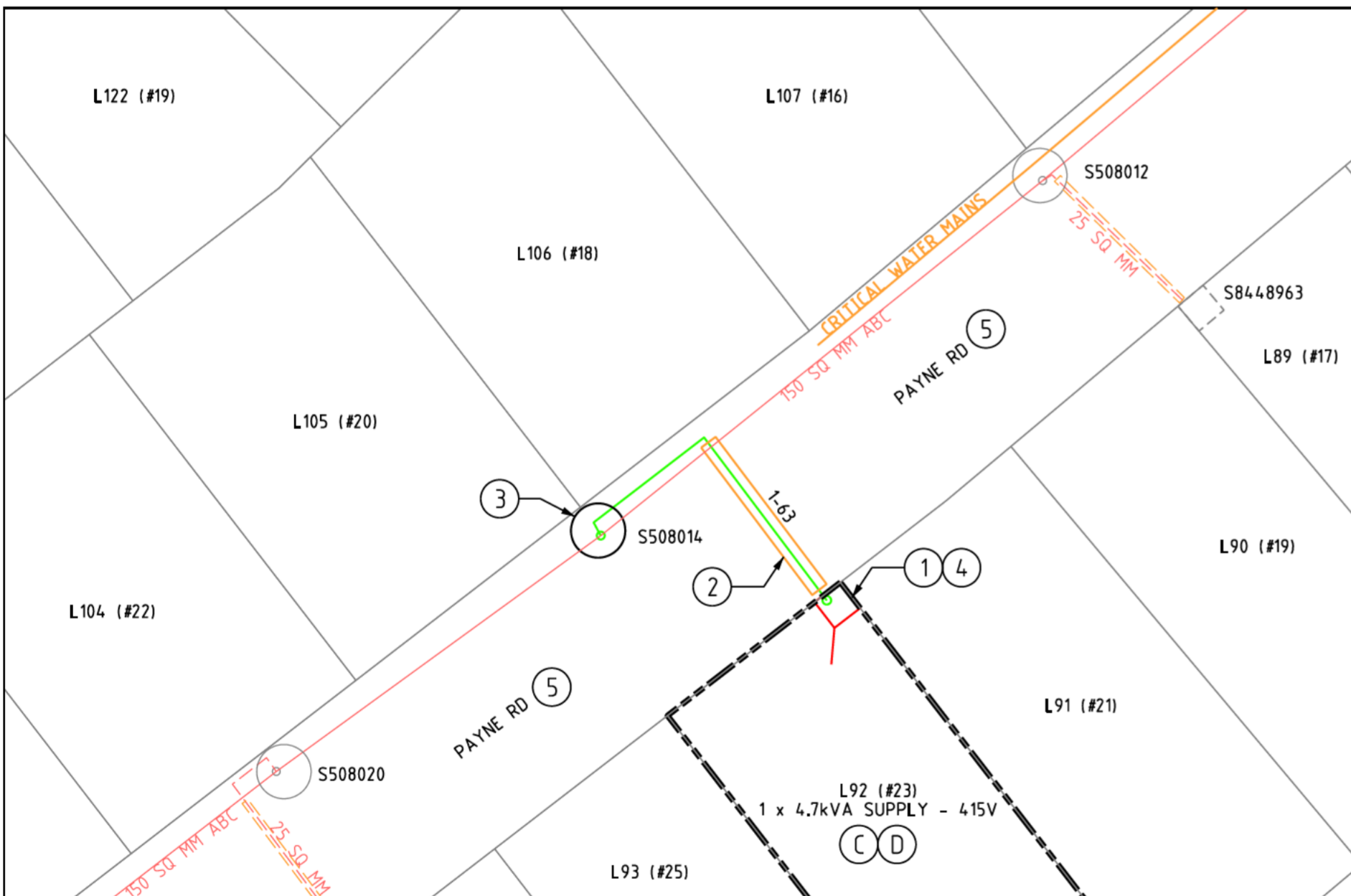


TO BE CONSTRUCTED DE-ENERGISED UNLESS RISK ASSESSED



SITE LOCATION PLAN 1:2500



CABLE ROUTE DETAIL 1:500

NO NATIVE VEGETATION MAY BE DISTURBED WITHOUT A PERMIT OR OUTSIDE OF THE PERMIT AREA. IF IN DOUBT, PLEASE CONTACT THE RELEVANT MANAGER WHO WILL CONTACT WESTERN POWER ENVIRONMENTAL TEAM.
PLEASE NOTE: HEAVY PENALTIES MAY APPLY TO INDIVIDUALS AND BUSINESSES FOR DAMAGE TO NATIVE VEGETATION WITHOUT A PERMIT.

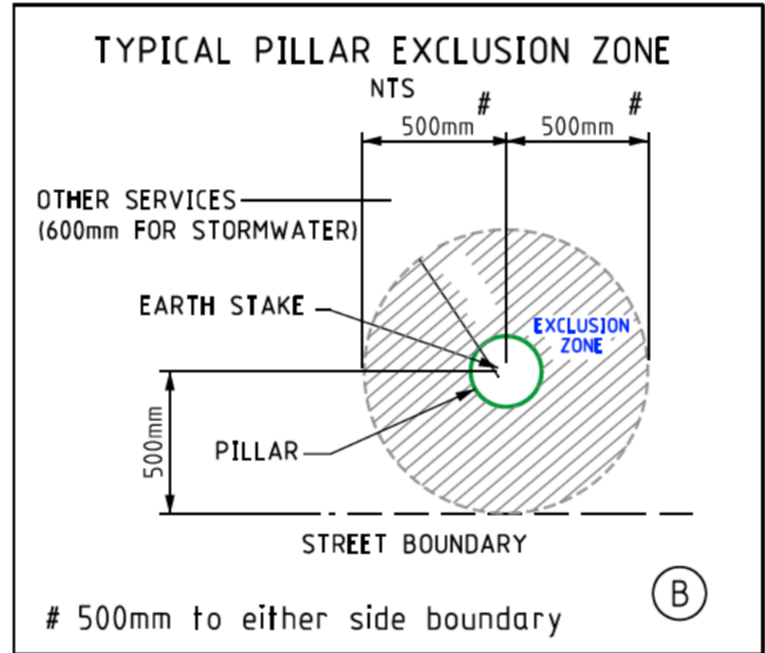
WESTERN POWER SCOPE OF WORK

- INSTALL NEW MINI PILLAR ON LOT 92 AS PER ZONE EXCLUSION DETAIL (WASIR CL. 12.5.3) AND CABLE ROUTE DETAIL.
CU: LU10 x 1
DCSH: U08-04
 - INSTALL NEW 25LV CABLE FROM NEW MINI PILLAR ON LOT 92 TO EXISTING POLE S508014.
CU: CN42 x 45m, CN73_LV25 x 3, CN54 x 4
 - AT POLE S508014, REPLACE EXISTING POLE WITH NEW 9.5m/5kN POLE IN THE SAME LOCATION. INSTALL LV ABC INTERMEDIATE. REPLACE/REATTACH EXISTING OVERHEAD CUSTOMER SERVICE WIRES. TERMINATE NEW 25LV CABLE TO EXISTING POLE S508014.
CU: PO2_R x 1, AB1_150 x 1, LV8_1P x 3, CN68_150/35 x 2, CN75 x 1, LU50_25/1500 x 1, LU50_25/1500 x 1
DCSH: U18, R13-3, R8/3
 - TERMINATE NEW 25LV CABLE TO NEW MINI PILLAR ON LOT 92.
 - ENVIRONMENTAL FILTER CHECKED
- PLEASE REFER TO THE ENVIRONMENTAL ADVICE (EDM#68940266) FOR MORE INFORMATION.



CUSTOMER SCOPE OF WORK

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE WESTERN AUSTRALIAN SERVICE AND INSTALLATION REQUIREMENTS.
- 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:
 - PEGGING THE PILLAR LOCATION AND ADJACENT BOUNDARY LOCATION PRIOR TO CONSTRUCTION.
 - ONLY EASILY REMOVABLE SURFACE TREATMENT IS TO BE INSTALLED IN THIS AREA, SUCH AS BRICK PAVING.
 - CLEAR OF ALL SERVICES INCLUDING CONTAMINATED SOIL, ASBESTOS ETC.
 - 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 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.
- ACID SULFATE SOILS & DEWATERING
THE ASS RISK FOR THE PROJECT AREA IS UNKNOWN. A MODERATE TO LOW RISK OF ASS OCCURRING HAS BEEN INFERRED FOR THE PROJECT AREA, DUE TO THE PROXIMITY TO POTENTIAL PASS MAPPED BY DWR AND CSIRO. DEPTH TO GROUNDWATER IS UNKNOWN FOR THIS LOCATION.
IT IS UNDERSTOOD THAT THE SCOPE OF WORK WILL NOT REQUIRE EXCAVATION OF MORE THAN 100M3 OR DEWATERING, THEREFORE, ACID SULFATE SOILS WILL NOT REQUIRE MANAGEMENT. IF THIS ASSUMPTION IS INCORRECT AND THE VOLUME OF EXCAVATED SOIL WILL BE GREATER THAN 100M3, OR THE DEPTH TO GROUNDWATER ON SITE IS LESS THAN 1.5M, FURTHER INVESTIGATIONS WILL BE REQUIRED TO DETERMINE THE LEVEL OF MANAGEMENT NECESSARY. IN THIS CASE, THE CUSTOMER WILL BE RESPONSIBLE FOR PROVIDING A DEWATERING AND ACID SULFATE SOIL MANAGEMENT PLAN TO WESTERN POWER FOR REVIEW. ALL EXCAVATIONS SHOULD BE BACKFILLED WITHIN 18 HOURS.
- FAUNA
HABITAT IN THE AREA MAY BE SUITABLE FOR THE THREE THREATENED BLACK COCKATOO SPECIES. ADDITIONAL TWO DBCA RECORDS OF THREATENED BIRDS OCCUR WITHIN 500 M OF THE PROJECT AREA.
A FAUNA SPOTTER MAY NEED TO BE PRESENT FOR CLEARING ACTIVITIES. THE CUSTOMER SHALL UNDERTAKE SURVEYS AND IF REQUIRED OBTAIN RELEVANT APPROVALS. ALL SURVEYS AND APPROVALS SHALL BE PROVIDED TO WP FOR RECORDKEEPING AND REVIEW.
- FLORA
THREATENED OR PRIORITY FLORA MAY BE PRESENT. NEAREST RECORDS OF THREATENED FLORA OCCUR 500 M SOUTHWEST OF THE PROJECT AREA.
THE CUSTOMER SHALL UNDERTAKE SURVEYS AND IF REQUIRED OBTAIN RELEVANT APPROVALS. ALL SURVEYS AND APPROVALS SHALL BE PROVIDED TO WP FOR RECORDKEEPING AND REVIEW.
- VEGETATION
CLEARING OF NATIVE VEGETATION IS REQUIRED FOR THE PROPOSED CABLE ROUTE.
BEING A CUSTOMER FUNDED PROJECT, THE CUSTOMER IS RESPONSIBLE FOR OBTAINING ALL NECESSARY CLEARING APPROVALS AND, PRIOR TO WESTERN POWER COMMENCING WORKS, THE CUSTOMER IS REQUIRED TO PROVIDE A COPY OF EITHER:
A CLEARING PERMIT ISSUED IN THE CUSTOMER'S NAME; OR
A REFERRAL DETERMINATION NOTICE ISSUED BY DWR CONFIRMING A CLEARING PERMIT IS NOT REQUIRED BY THE CUSTOMER; OR
WRITTEN DETAILS OF A RELEVANT CLEARING PERMIT EXEMPTION AND SUPPORTING DOCUMENTS (REGULATOR CORRESPONDENCE/LANDOWNER EXEMPTION CLEARING LETTER EDM 46147597)
THIS ALSO INCLUDES RELEVANT DEVELOPMENT APPROVALS FOR THE WORKS (I.E. BUILDING APPROVALS FOR A STRUCTURE THAT REQUIRES CLEARING TO CONSTRUCT). APPROVALS / EXEMPTIONS CAN BE SENT TO THE SECT ENVIRONMENT TEAM VIA ENVIRONMENT@WESTERNPOWER.COM.AU FOR REVIEW AND SUITABILITY CONFIRMATION. ALLOW 10 BUSINESS DAYS FOR ENVIRONMENT TEAM TO REVIEW.
TO ENABLE THE CUSTOMER TO OBTAIN CLEARING APPROVALS, WESTERN POWER MUST PROVIDE THE CUSTOMER WITH A DRAWING SHEET OF THE VEGETATION CLEARING REQUIRED (VEGETATION CLEARING REQUIREMENTS TEMPLATE EDM 50997884) AND ANY PHOTOS OR GIS SHAPEFILES, SHOWING THE EXACT LOCATION(S) WHERE CLEARING IS REQUIRED.
REFER TO CLEARING PERMIT WORK INSTRUCTION (EDM 43938228) FOR FURTHER DETAILS.



CRITICAL WATER MAINS IN VICINITY OF WORKS
ISSUED FOR CONSTRUCTION

CONSULTANT CONTACT DETAILS
COMPANY NAME: N/A
REFERENCE NO: N/A
CONTACT: LIZ HARRIS
TEL: 0409 685 323

LEGEND

SCHEME BDY.	---
RETAINING WALL	---
RESTRICTED ZONE	---
EASEMENT	---

HV CABLES

CN53 - 400mm2 (3X1c)	---
CN49 - 240mm2 (3X1c)	---
CN48 - 185mm2 (3X1c)	---
CN50 - 95mm2 (3X1c)	---
CN51 - 50mm2 (3X1c)	---
CN51 - 50mm2 (1c)	---
CN46 - 35mm2 (3X1c)	---
CN47 - 35mm2 (1c)	---
EXISTING HV CABLES (SIZE AND TYPE INDICATED)	---

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)	---

STREET LIGHTS

EXISTING	EXISTING
POLE BRACKET	POLE BRACKET
SINGLE OUTREACH	SINGLE OUTREACH
DOUBLE OUTREACH	DOUBLE OUTREACH
4-WAY	4-WAY

- ALPHA CHARACTER DENOTES STREET LIGHT TYPE. REFER STREET LIGHT SCHEDULE FOR POLE & LUMINAIRE DETAILS.

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
Service/Unservice/De-energised Lot	

TRANSFORMER EXISTING SWITCHGEAR

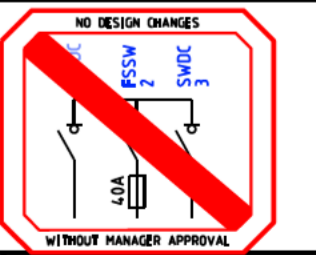
TRANSFORMER	EXISTING	SWITCHGEAR
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AERIAL CONDUCTORS AND POLES

NEW POLE (ANY TYPE AS INDICATED)	
EXISTING POLE (ANY TYPE AS INDICATED)	
HV LV	EXISTING AERIAL CONDUCTORS (SIZE AND TYPE INDICATED)

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



Rev.	ISSUED FOR CONSTRUCTION	REVISIONS	DRN	DATE	HAZARD MANAGEMENT REGISTER DM#: 68790319	FILE REFERENCE DETAILS
A	ISSUED FOR CONSTRUCTION		A.D.	06/24		

NEW RESIDENTIAL SUPPLY
1 x 4.7kVA SUPPLY - NETWORK VOLTAGE: 22kV/415V
L92, 23 PAYNE RD, DENMARK 6333
DESIGN DRAWING

DESIGNER: CUSTOMER CONNECTION DESIGN	westernpower
DESIGN TEAM: [REDACTED]	DRAWING NUMBER
EMAIL: [REDACTED]	SP051044
TEL: 13 10 87	SHEET 01 OF 01
DATE: 06/24	SCALE: AS NOTED @ A2
GEO REF: Lat. - 34°59'13" S Long. - 117°20'42" E	REV: A ORIGINAL SIZE - A2

LOCATION OF WORKS:
SEE SHEET 1 FOR SCOPE OF WORKS



DETAIL A
CLEARING PERMIT AND CLEARING REQUIRED DETAIL



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 RISK. 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. EARLY AND CONTINUAL ENGAGEMENT WITH WESTERN POWER ENVIRONMENT TEAM TO HIGHLIGHT PROPOSED RISKS AND AVOID WHERE POSSIBLE
9. USING LARGER LINE SPANS THAT CAN SPAN OVER VEGETATION
10. USING STRUCTURES WITH SMALLER FOOTPRINTS
11. 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 IDENTIFIES THE AREA FOR WHICH CLEARING APPROVALS WILL NEED TO BE OBTAINED AND 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 OF 2.

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.



POINT ID	CLEARING AREA	SURVEY PEG LOCATION	
		EASTING	NORTHING
A	AREA 1	531454.048	6128346.748
B	AREA 1	531467.963	6128357.529
C	AREA 1	531470.902	6128353.665
D	AREA 1	531457.249	6128343.036
E	AREA 2	531476.177	6128339.254
F	AREA 2	531480.211	6128342.210
G	AREA 2	531483.396	6128338.604
H	AREA 2	531483.039	6128335.208



LEGEND	
SCHEME BDY.	---
RETAINING WALL	=====
RESTRICTED ZONE	-----
EASEMENT	-----
HV CABLES	
CN53 - 400mm ² (3X1c)	-----
CN49 - 240mm ² (3X1c)	-----
CN48 - 185mm ² (3X1c)	-----
CN50 - 95mm ² (3X1c)	-----
CN51 - 50mm ² (3X1c)	-----
CN5 - 50mm ² (1c)	-----
CN44 - 35mm ² (3X1c)	-----
CN47 - 35mm ² (1c)	-----
EXISTING HV CABLES (SIZE AND TYPE INDICATED)	-----
LV-SL CABLES	
CN45 - 240mm ² (1c)	-----
CN4 - 185mm ² (1c)	-----
CN3 - 120mm ² (1c)	-----
CN2 - 75mm ² (1c)	-----
CN1 - 40mm ² SL (1c)	-----
4.0 C. PILOT	-----
EXISTING LV CABLES (SIZE AND TYPE INDICATED)	-----
STREET LIGHTS	
POLE BRACKET	○
SINGLE OUTREACH	○
DOUBLE OUTREACH	○
L-WAY	○
EXISTING	
POLE BRACKET	○
SINGLE OUTREACH	○
DOUBLE OUTREACH	○
L-WAY	○
# - ALPHA CHARACTER DENOTES STREET LIGHT TYPE, REFER STREET LIGHT SCHEDULE FOR POLE & LUMINAIRE DETAILS.	
PILLARS / PITS / ETC	
MNI (WORKING END)	⊗
UNIVERSAL	⊗
MNI	⊗
LINK	⊗
CABLE MARKER U/G	⊗
CONDUIT / POLY PIPE	⊗
UTILITIES PIT	⊗
BOSP PIT	⊗
100/200AMP CUTOUT	⊗
Service/Unservice/De-energised Lot	⊗
TRANSFORMER EXISTING SWITCHGEAR	
TRANSFORMER	⊗
EXISTING	⊗
SWITCHGEAR	⊗
AERIAL CONDUCTORS AND POLES	
NEW POLE (ANY TYPE AS INDICATED)	○
EXISTING POLE (ANY TYPE AS INDICATED)	○
EXISTING AERIAL CONDUCTORS (SIZE AND TYPE INDICATED)	---
OH EQUIPMENT	
INTERMEDIATE	○
DOP	○
INLINE STRAIN	○
PTT	○
AERIAL STAY	○
RECLOSER	○
LOAD BREAK SWITCH	○
CAPACITOR	○
LBPTS	○
PTS	○
HV ISOLATOR	○
LV DISCONNECTOR	○
ISOL TX	○
OUTRIGGER STAY	○
GROUND STAY	○
SECTIONALISER	○
LV ABC KRONE	○
STREETLIGHT BDX	○

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH SHEET 1 OF 2

NO NATIVE VEGETATION MAY BE DISTURBED WITHOUT A PERMIT OR OUTSIDE OF THE PERMIT AREA. IF IN DOUBT, PLEASE CONTACT THE RELEVANT MANAGER WHO WILL CONTACT WESTERN POWER ENVIRONMENTAL TEAM.

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

ISSUED FOR CONSTRUCTION

NEW RESIDENTIAL SUPPLY
1 x 4.7kVA SUPPLY - NETWORK VOLTAGE: 22kV/415V
L92, 23 PAYNE RD, DENMARK 6333
DESIGN DRAWING

DESIGNER: CUSTOMER CONNECTION DESIGN	
DESIGN TEAM: [REDACTED]	DRAWING NUMBER
EMAIL: [REDACTED]	SP051044
TEL: 13 10 87	SHEET 02 OF 02
DATE: 06/24	SCALE: AS NOTED @ A1
GEO REF: Lat. - 34°59'13" S Long. - 117°20'42" E	REV: A ORIGINAL SIZE - A1

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