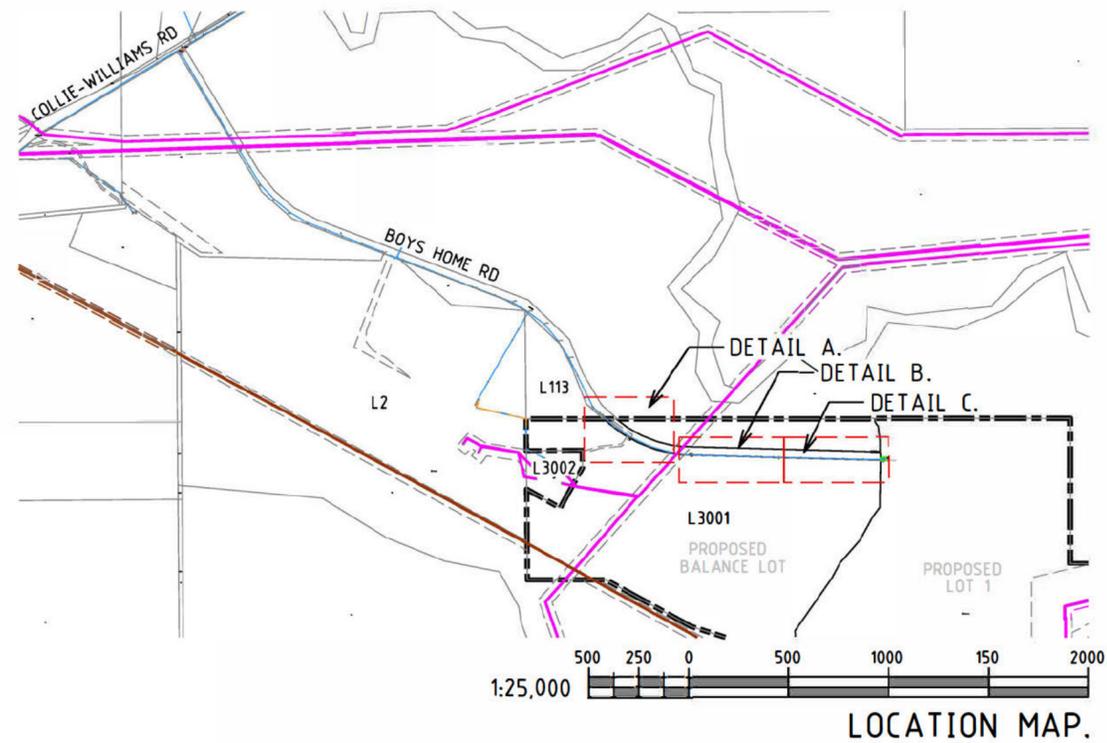
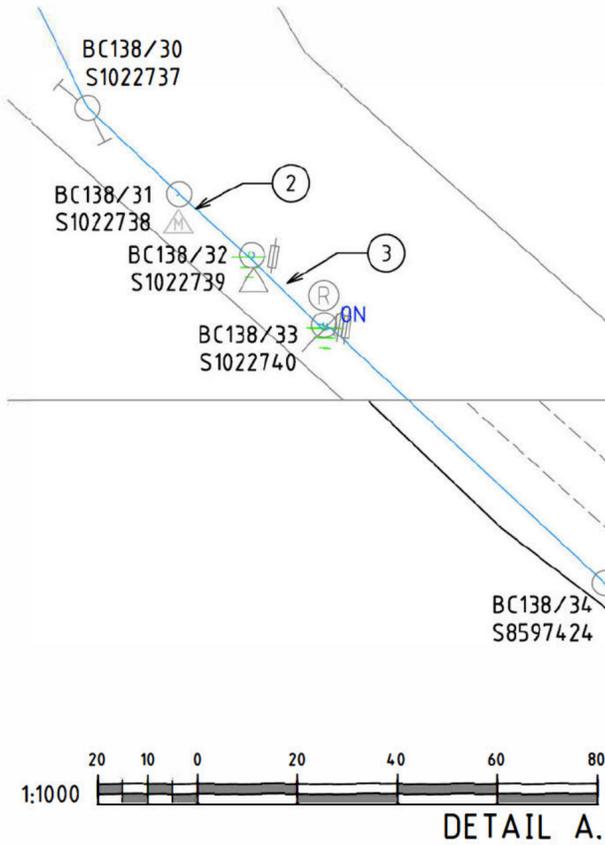


TO BE CONSTRUCTED DE-ENERGISED UNLESS RISK ASSESSED

ISSUED FOR CONSTRUCTION

HIGH FIRE RISK AREA



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.

LEGEND

HV CABLES

- CN53 - 400mm² (3X1c)
- CN49 - 240mm² (3X1c)
- CN48 - 185mm² (3X1c)
- EXISTING HV CABLES (SIZE AND TYPE INDICATED)

OH EQUIPMENT

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

AERIAL CONDUCTORS AND POLES

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

WESTERN POWER SCOPE OF WORK

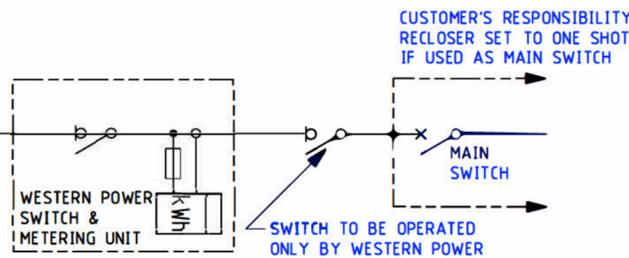
- CARRY OUT WORKS AS PER POLE SCHEDULE.
- REMOVE INSULATORS AND INSTALL TENSION JOINTS.
CU: CN17_19/325(*2)
- REMOVE EXISTING CUSTOMER AERIAL SERVICE BETWEEN POLES S1022739 & S1022740.
- TERMINATE CUSTOMER OVERHEAD CONDUCTORS.
- CM TO CHECK POLE LABELING AND CORRECT/UPDATE AS REQUIRED
- ENVIRONMENTAL 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(SHEET 3) FOR MORE INFORMATION.

POLE	POLE DESCRIPTION/NOTES	POLE DETAILS	CU	DCSH	EASTING MGA 94-50	NORTHING MGA 94-50
S1022738	REMOVE EXISTING HV METER AND ASSOCIATED HARDWARE.	EXISTING	-	H01	EXISTING	EXISTING
S1022739	REMOVE EXISTING 1PH TRANSFORMER AND ASSOCIATED HARDWARE. REMOVE EXISTING DOF.	EXISTING	-	H01	EXISTING	EXISTING
S1022740	REMOVE RECLOSER AND ASSOCIATED HARDWARE. PTS TO BE CLOSED.	EXISTING	-	H12-1	EXISTING	EXISTING
S8597424	EXISTING RDA POLE.	EXISTING	-	H07	EXISTING	EXISTING
S8597425	REPLACE EXISTING POLE. 3PH RDA WITH 1200 SPACING & RE. INSTALL GROUNDSTAY *2.	EXISTING	14m/8kN	H07, R14/1	EXISTING	EXISTING
S8597433	EXISTING RDA POLE.	EXISTING	-	H07	EXISTING	EXISTING
S8597437	DISASSEMBLE RAYCHEM LUGS, CLEAN AND FIT GF1592 CONNECTOR PLATE. GREASE AND REASSEMBLE.	EXISTING	NON CU: GF1592(*3)	H09-1	EXISTING	EXISTING



CUSTOMER SCOPE OF WORK

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE WESTERN AUSTRALIAN SERVICE AND INSTALLATION REQUIREMENTS.
- THIS DESIGN IS INTENDED TO BE CONSTRUCTED DE-ENERGISED. YOUR ELECTRICITY SUPPLY MAY NOT BE AVAILABLE DURING THIS TIME
- WESTERN POWER MUST RECEIVE A HV SUBMISSION FROM THE CUSTOMER AND APPROVE THE NETWORK CONNECTION PRIOR TO INSTALLATION OF THE CUSTOMER'S EQUIPMENT. AS PER WAER CLAUSE 7 AND THE WESTERN AUSTRALIAN SERVICE AND INSTALLATION REQUIREMENTS CLAUSE 13.7.2.
- THE CUSTOMER'S EQUIPMENT MUST BE RATED FOR 22,000 VOLTS, WHICH IS THE HV DISTRIBUTION VOLTAGE IN THIS AREA. THE CUSTOMER'S INSTALLATION MUST BE DESIGNED TO WITHSTAND WITHOUT DAMAGE THE MAXIMUM CURRENTS WHICH MAY FLOW THROUGH IT UNDER FAULT CONDITIONS AS PER THE WESTERN AUSTRALIAN SERVICE AND INSTALLATION REQUIREMENTS CLAUSE 10.6.2.
- THE CUSTOMER MUST MEET THE REQUIREMENTS OF THE WESTERN AUSTRALIAN SERVICE AND INSTALLATION REQUIREMENTS CLAUSE 11.6.4.6 - ADDITIONAL REQUIREMENTS FOR HIGH VOLTAGE CONNECTIONS.
- CUSTOMER IS RESPONSIBLE TO ARRANGE ANY REQUIRED VEGETATION CLEARING & OBTAIN ANY REQUIRED PERMITS. ALL RELEVANT PERMITS SHALL BE SIGNED BY THE WESTERN POWER CONSTRUCTION MANAGER PRIOR TO WORK COMMENCING. SEE SHEET 03 FOR DETAILS.
- CUSTOMER ELECTRICAL CONTRACTOR IS TO SUPPLY SUITABLE TERMINATION MATERIALS AND MAKE CONNECTION TO THE CUSTOMER'S HV SWITCHGEAR.

CONSULTANT CONTACT DETAILS
COMPANY NAME: UNDERGROUND POWER DEVELOPMENT

CUSTOMER CONTACT DETAILS
COMPANY NAME: WESTERN AUSTRALIAN LAND AUTHORITY

CRITICAL RISK MANAGEMENT

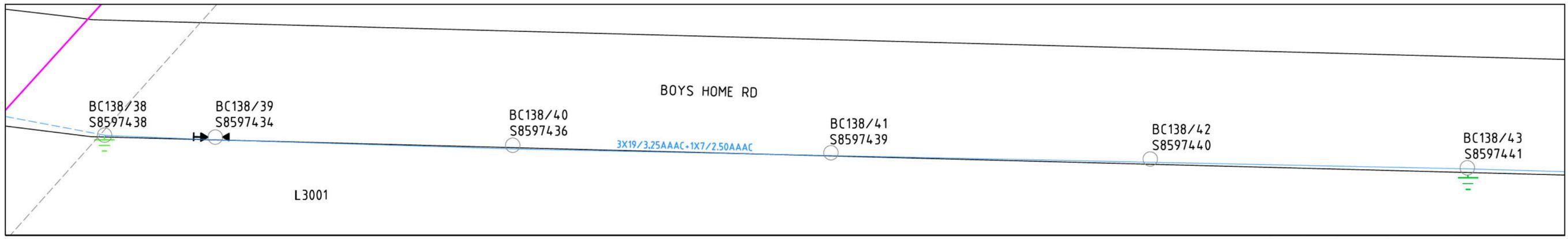
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ASSET RELOCATION
WPC TO AQUIRE POLES & ASSOCIATED HARDWARE.
BOYS HOME RD, COLLIE, WA 6225
NETWORK VOLTAGE: 22kV / 415V

westernpower
DRAWING NUMBER
SP052541
SHEET 01 OF 03
DATE: 06/25 SCALE: AS NOTED @ A2
GEO REF: Lat. - 33°19'51" S Long. - 116°14'36" E
W.A.P.C. APPLICATION No: 201055 REV: A ORIGINAL SIZE - A2

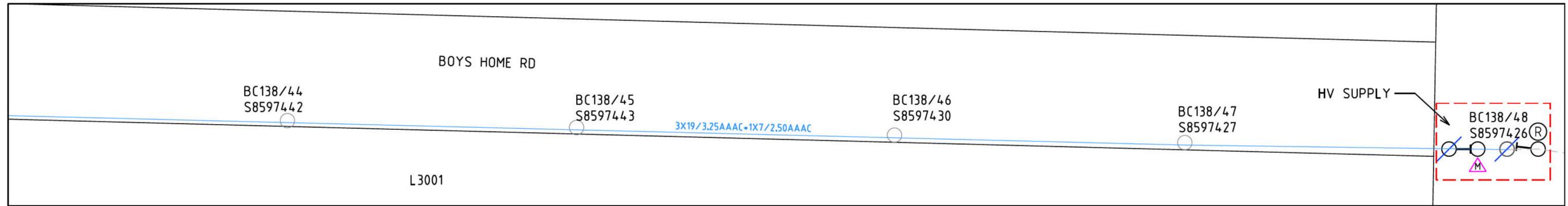
Rev.	REVISIONS	DRN	DATE	FILE REFERENCE DETAILS
A	ISSUED FOR CONSTRUCTION	T.P.	06/25	HAZARD MANAGEMENT REGISTER.

TO BE CONSTRUCTED DE-ENERGISED UNLESS RISK ASSESSED



ISSUED FOR CONSTRUCTION

DETAIL B.

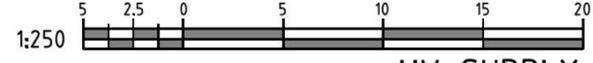
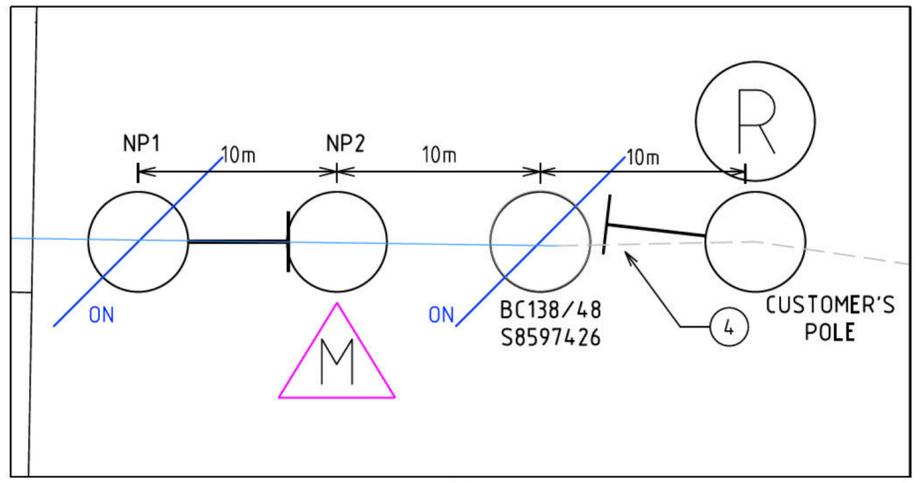


DETAIL C.

HIGH FIRE RISK AREA

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.

LEGEND	
HV CABLES	
CN53 - 400mm ² (3X1c)	
CN49 - 240mm ² (3X1c)	
CN48 - 185mm ² (3X1c)	
EXISTING HV CABLES (SIZE AND TYPE INDICATED)	
OH EQUIPMENT	
	INTERMEDIATE
	DOF
	INLINE STRAIN
	PTT
	AERIAL STAY
	RECLOSER
	LBPTS
	PTS
	HV ISOLATOR
	LV DISCONNECTOR
	ISOL TX
	OUTRIGGER STAY
	GROUND STAY
	LV ABC KRONE
AERIAL CONDUCTORS AND POLES	
	NEW POLE (ANY TYPE AS INDICATED)
	EXISTING POLE (ANY TYPE AS INDICATED)
	EXISTING AERIAL CONDUCTORS (SIZE AND TYPE INDICATED)
	EXISTING AERIAL CONDUCTORS (SIZE AND TYPE INDICATED)



HV SUPPLY.

POLE	POLE DESCRIPTION/NOTES	POLE DETAILS	CU	DCSH	EASTING MGA 94-60	NORTHING MGA 94-60
S8597438	DISASSEMBLE RAYCHEM LUGS, CLEAN AND FIT GF1592 CONNECTOR PLATE. GREASE AND REASSEMBLE.	EXISTING	NON-CU, GF1592(3)	H09-1	EXISTING	EXISTING
S8597434	REPLACE EXISTING POLE. 3PH HV INLINE STRAIN WITH RE. INSTALL GROUNDSTAY.	11m/6kN	POE_R_HV9_3H, RE3_7250AA(2), CN1_19/325(6), CN9_19/325AA(3), CN9_7250AA, CN2_19/325(3), ST1_19/275W	H05-1	EXISTING	EXISTING
S8597439	REPLACE EXISTING POLE. 3PH HV INTERMEDIATE WITH RE.	12.5m/6kN	POE_R_HV1_3HS, RE1_CN18_19/325A(3), CN18_7250AA	H01-1	EXISTING	EXISTING
S8597439	REPLACE EXISTING POLE. 3PH HV INTERMEDIATE WITH RE.	11m/6kN	POE_R_HV1_3HS, RE1_CN18_19/325A(3), CN18_7250AA	H01-1	EXISTING	EXISTING
S8597440	REPLACE EXISTING POLE. 3PH HV INTERMEDIATE WITH RE.	11m/6kN	POE_R_HV1_3HS, RE1_CN18_19/325A(3), CN18_7250AA	H01-1	EXISTING	EXISTING
S8597441	REPLACE EXISTING POLE. 3PH HV INTERMEDIATE WITH RE. INSTALL DOWN EARTH.	11m/6kN	POE_R_HV1_3HS, RE1_CN18_19/325A(3), CN18_7250AA, HV34_N	H01-1	EXISTING	EXISTING
S8597442	REPLACE EXISTING POLE. 3PH HV INTERMEDIATE WITH RE.	11m/6kN	POE_R_HV1_3HS, RE1_CN18_19/325A(3), CN18_7250AA	H01-1	EXISTING	EXISTING
S8597443	REPLACE EXISTING POLE. 3PH HV INTERMEDIATE WITH RE.	11m/6kN	POE_R_HV1_3HS, RE1_CN18_19/325A(3), CN18_7250AA	H01-1	EXISTING	EXISTING
S8597430	REPLACE EXISTING POLE. 3PH HV INTERMEDIATE WITH RE.	11m/6kN	POE_R_HV1_3HS, RE1_CN18_19/325A(3), CN18_7250AA	H01-1	EXISTING	EXISTING
S8597427	REPLACE EXISTING POLE. 3PH HV INTERMEDIATE WITH RE.	11m/6kN	POE_R_HV1_3HS, RE1_CN18_19/325A(3), CN18_7250AA	H01-1	EXISTING	EXISTING
NP1	INSTALL NEW POLE. INSTALL. POLE TOP SWITCH. INSTALL GROUNDSTAY.	11m/6kN	POE_R_HV19_CN1_19/325(6), CN11_19/325(6), RE3_7250AA(2), S11_19/275W	H12, R14	430323.89	6311757.83
NP2	INSTALL NEW POLE. INSTALL. POLE MOUNTED HV METERING.	11m/6kN	POE_R_HV1_3HS, RE1_CN18_19/325A(3), CN18_7250AA, TX7_22, CN1_19/325(6), CN9_19/325AA(6), HM1_M	H21	430333.84	6311757.83
S8597426	REPLACE EXISTING POLE. INSTALL POLE TOP SWITCH. CUSTOMER'S RECLOSER POLE. RECLOSER TO BE SET TO ONE SHOT. POLE TO BE INSTALLED BY CUSTOMER.	11m/6kN	POE_R_HV19_CN1_19/325(6), CN11_19/325(3), RE3_7250AA(2)	H12	EXISTING	EXISTING

CRITICAL RISK MANAGEMENT

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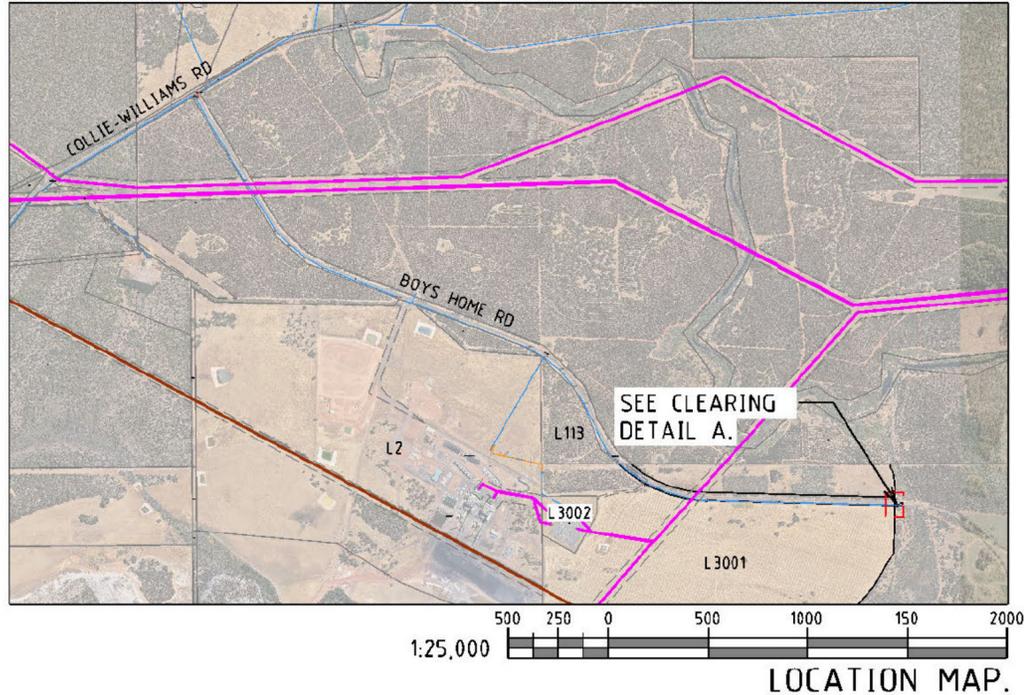
CONSULTANT CONTACT DETAILS	
COMPANY NAME: UNDERGROUND POWER DEVELOPMENT	
[Redacted]	
CUSTOMER CONTACT DETAILS	
COMPANY NAME: WESTERN AUSTRALIAN LAND AUTHORITY	
[Redacted]	

Rev.	REVISIONS	DRN	DATE	FILE REFERENCE DETAILS
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ASSET RELOCATION
WPC TO AQUIRE POLES & ASSOCIATED HARDWARE.
BOYS HOME RD, COLLIE, WA 6225
NETWORK VOLTAGE: 22kV / 415V

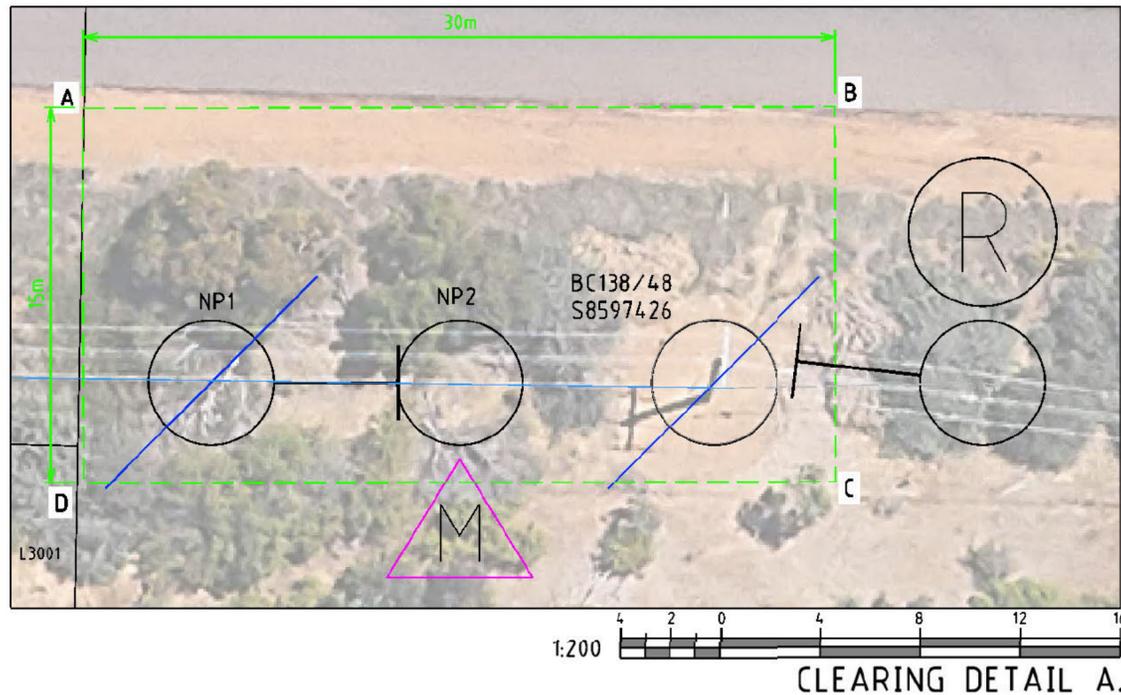
westernpower
DRAWING NUMBER
SP052541
SHEET 02 OF 03
DATE: 06/25 SCALE: AS NOTED @ A2
GEO REF: Lat. - 33°19'51" S Long. - 116°14'36" E
W.A.P.C. APPLICATION No: 201055 REV: A ORIGINAL SIZE - A2

TO BE CONSTRUCTED DE-ENERGISED UNLESS RISK ASSESSED



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



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.

CLEARING DETAIL A OF 450m² IS THE AREA IN WHICH A CLEARING PERMIT IS REQUIRED AND WHICH YOU WILL HAVE TO ARRANGE TO CLEAR/REMOVE ALL VEGETATION. THIS WHICH WILL ALLOW FOR THE WORKS TO PROCEED. THE AREA THAT IS DEFINED IS THE OPERATIONAL POTENTIAL IMPACT OF PERFORMING THE CONSTRUCTION WORKS.

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.

LEGEND

HV CABLES

- CN53 - 400mm² (3X1c) [Symbol]
- CN49 - 240mm² (3X1c) [Symbol]
- CN48 - 185mm² (3X1c) [Symbol]

EXISTING HV CABLES (SIZE AND TYPE INDICATED)

OH EQUIPMENT

- INTERMEDIATE [Symbol]
- DOF [Symbol]
- INLINE STRAIN [Symbol]
- PTT [Symbol]
- AERIAL STAY [Symbol]
- RECLOSER [Symbol]
- LBPTS [Symbol]
- PTS [Symbol]
- HV ISOLATOR [Symbol]
- LV DISCONNECTOR [Symbol]
- ISOL TX [Symbol]
- OUTRIGGER STAY [Symbol]
- GROUND STAY [Symbol]
- LV ABC KRONE [Symbol]

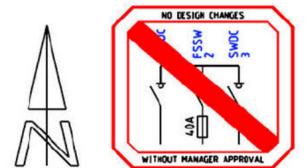
AERIAL CONDUCTORS AND POLES

- NEW POLE (ANY TYPE AS INDICATED) [Symbol]
- EXISTING POLE (ANY TYPE AS INDICATED) [Symbol]
- EXISTING AERIAL CONDUCTORS (SIZE AND TYPE INDICATED) [Symbol]

VEGETATION CLEARING COORDINATES

REFERENCE	LOCATION	
	EASTING	NORTHING
A	430318.754	6311768.796
B	430348.871	6311768.859
C	430348.903	6311753.859
D	430318.785	6311753.796

VEGETATION CLEARING AREA
MGA94 Z50 COORDINATE SYSTEM
TOTAL AREA 450m²



HIGH FIRE RISK AREA

CONSULTANT CONTACT DETAILS
COMPANY NAME: UNDERGROUND POWER DEVELOPMENT

CUSTOMER CONTACT DETAILS
COMPANY NAME: WESTERN AUSTRALIAN LAND AUTHORITY

CRITICAL RISK MANAGEMENT

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				

ASSET RELOCATION
WPC TO AQUIRE POLES & ASSOCIATED HARDWARE.
BOYS HOME RD, COLLIE, WA 6225
VEGETATION CLEARING REQUIREMENTS

DATE: 06/25 SCALE: AS NOTED @ A2
GEO REF: Lat. - 33°19'51" S
Long. - 116°14'36" E
W.A.P.C. APPLICATION No: 201055

westernpower
DRAWING NUMBER
SP052541
SHEET 03 OF 03
REV: A ORIGINAL SIZE - A2

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