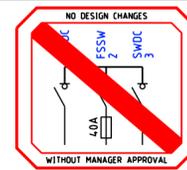
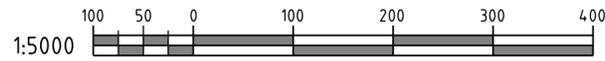
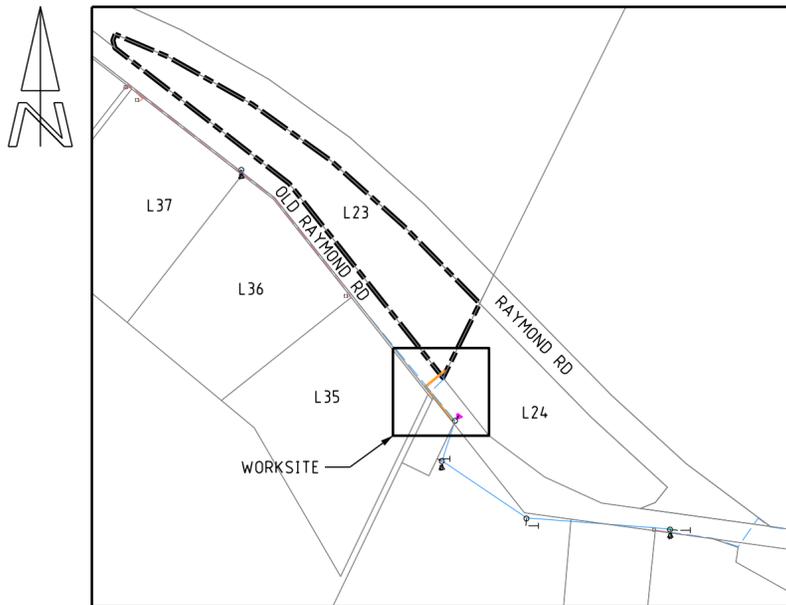


SAFETY - MAKE IT YOUR PRIMARY VALUE

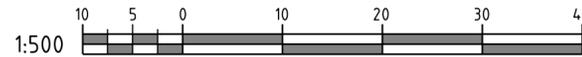
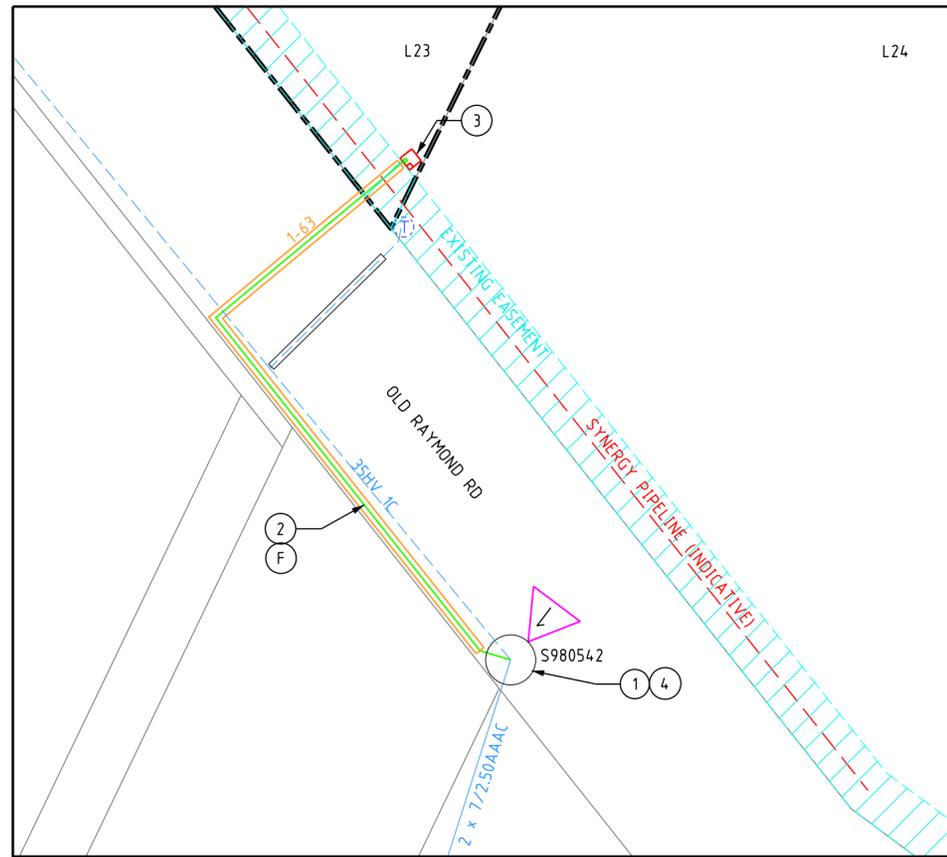
TO BE CONSTRUCTED DE-ENERGISED UNLESS RISK ASSESSED



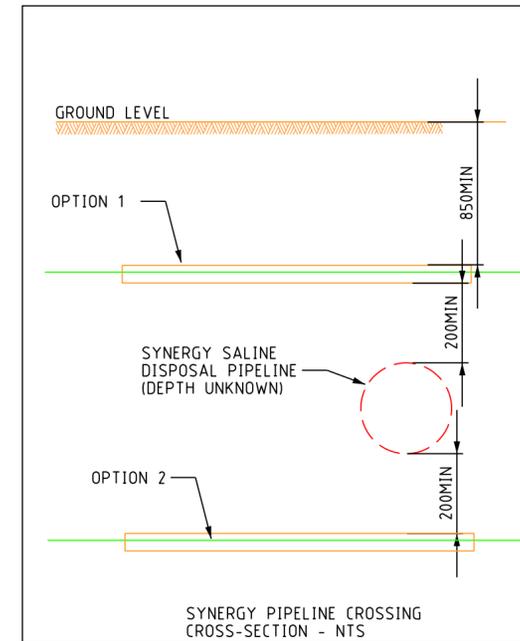
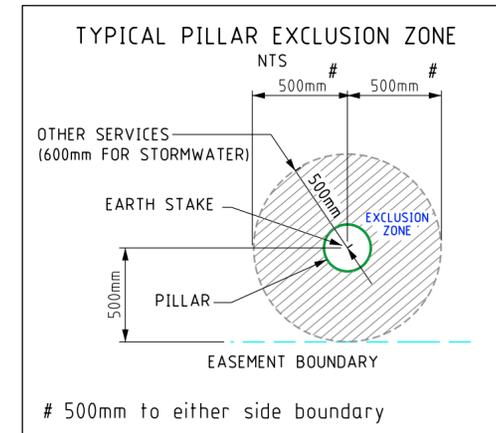
CRITICAL RISK MANAGEMENT



LOCATION DETAIL



WORKSITE DETAIL



LEGEND

HV CABLES

CN53 - 400mm ² (3X1c)	---
CN49 - 240mm ² (3X1c)	---
CN48 - 185mm ² (3X1c)	---
CN50 - 95mm ² (3X1c)	---
CN51 - 50mm ² (3X1c)	---
CN51 - 50mm ² (1c)	---
CN46 - 35mm ² (3X1c)	---
CN47 - 35mm ² (1c)	---
EXISTING HV CABLES (SIZE AND TYPE INDICATED)	---

LV-SL CABLES

CN45 - 240mm ² (1x3c)	---
CN44 - 185mm ² (1x3c)	---
CN43 - 120mm ² (1x3c)	---
CN42 - 25mm ² (1x3c)	---
CN41 - 16mm ² 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 CUTOUT
CABLE MARKER U/G	CONDUIT / POLY PIPE
Build Serviced Uncleared De-energised Lot	

TRANSFORMER **EXISTING** **SWITCHGEAR**

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)	---

WESTERN POWER SCOPE OF WORK

1. REPLACE POLE S980542 WITH 1PH HV TERM POLE. RECONNECT EXISTING 35HV 1C CABLE TO POLE. INSTALL NEW 25KVA TRANSFORMER ON POLE.
CU: P06, HV30, CN1, RE3, HU57, CN9 x 2, CN70, TX5
DCSH: H47-4 NO DOFS
2. INSTALL 25LV CABLE FROM POLE S980542 TO PILLAR SITE ON LOT 23. CROSS OVER OR UNDER SYNERGY PIPELINE AS SHOWN IN SYNERGY PIPELINE CROSSING DETAIL. MARK ON AS-CON THE INSTALLED OPTION.
CU: CN42 x 85m, CN54 x 2, CN73 x 2
3. INSTALL MINI PILLAR ON LOT 23 AS PER PILLAR EXCLUSION ZONE DETAIL. TERMINATE 25LV CABLE TO PILLAR.
CU: LU10
NON-CU: CR0324
DCSH: U08-4
4. TERMINATE 25LV CABLE TO NEW TX ON POLE S980542.
CU: LU61
DCSH: U19/3
5. ENVIRONMENTAL FILTER CHECKED BY THE DESIGNER. THE FOLLOWING ENVIRONMENTAL LAYERS HAVE BEEN IDENTIFIED:
 - NATIVE VEGETATION REMAINING
 - ACID SULPHATE SOILS
 - POTENTIALLY WET AREAS

CUSTOMER SCOPE OF WORK

- 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 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.
 4. LOCATED 300mm ABOVE 100 YEAR FLOOD LEVEL AND NOT IN A PRECARIOUS POSITION.
- C. CUSTOMER MUST COMPLY WITH POWER QUALITY LIMITS AS PER AS61000.3.6 AND WESTERN POWER TECHNICAL REQUIREMENTS.
- D. CUSTOMERS ELECTRICAL CONTRACTOR TO ARRANGE THE TERMINATION OF ALL CONSUMER MAINS TO THE PILLAR BACK BLOCKS. MAX SIZE CONSUMER MAINS THAT CAN BE TERMINATED IS 35mm²/PHASE.
- E. CUSTOMER 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.
- F. CUSTOMER TO PROVIDE A VEGETATION PERMIT AND COMPLETE ANY CLEARING REQUESTED BY THE WESTERN POWER CONSTRUCTION MANAGER PRIOR TO CONSTRUCTION COMMENCING. REFER TO SHEET 2 FOR ADDITIONAL INFORMATION.

SYNERGY PIPELINE IN VICINITY OF WORKS

TELECOMS IN VICINITY OF WORKS

NO NATIVE VEGETATION MAY BE DISTURBED WITHOUT A PERMIT. IF IN DOUBT PLEASE CONTACT THE RELEVANT MANAGER WHO WILL CONTACT WESTERN POWER ENVIRONMENTAL OPERATIONS TO ARRANGE A PERMIT.

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

ISSUED FOR CONSTRUCTION

CUSTOMER CONTACT DETAILS
 COMPANY NAME:
 CONTACT: JOSHUA LAING TEL: 0432293789

Rev.	REVISIONS	DRN	DATE	FILE REFERENCE DETAILS
A	ISSUED FOR CONSTRUCTION	D.I	03/25	HAZARD MANAGEMENT REGISTER EDM#71540719

NEW RESIDENTIAL SUPPLY
 SUPPLY 5KVA DADMD @ 240V
 LOT 23 OLD RAYMOND RD, ROELANDS
 NETWORK VOLTAGE: 22kV / 415V

DESIGNER:	DYLAN IWACH
DESIGN TEAM:	CCS DESIGN TEAM D
EMAIL:	CCS.DESIGN.D@WESTERNPOWER.COM.AU
TEL:	13 10 87
DATE:	03/25
SCALE:	AS SHOWN @ A2
GEO REF:	Lat. - 33°17'46.599" S Long. - 115°48'49.372" E

westernpower

DRAWING NUMBER

SP052272

SHEET 01 OF 02

REV: A ORIGINAL SIZE - A2



PERMIT DETAIL - 1:250

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 372m² 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. CLEARING IS ONLY REQUIRED BY THE LANDOWNER WHERE REQUESTED BY THE WESTERN POWER CONSTRUCTION MANAGER

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.

ID	EASTING	NORTHING
A	389566.96	6315185.54
B	389563.04	6315182.43
C	389540.13	6315211.31
D	389539.17	6315209.3
E	389528.73	6315222.47
F	389545.78	6315236.54
G	389548.89	6315232.62
H	389537.26	6315222.98

Rev.	REVISIONS	DRN	DATE	FILE REFERENCE DETAILS
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NEW RESIDENTIAL SUPPLY
SUPPLY 5KVA DADMD @ 240V
 LOT 23 OLD RAYMOND RD, ROELANDS
 PERMIT DRAWING

DESIGNER:	DYLAN IWACH
DESIGN TEAM:	CCS DESIGN TEAM D
EMAIL:	CCS.DESIGN.D@WESTERNPOWER.COM.AU
TEL:	13 10 87
DATE:	03/25
SCALE:	AS SHOWN @ A2
GEO REF:	Lat. - 33°17'46.599" S Long. - 115°48'49.372" E

westernpower
 DRAWING NUMBER
SP052272
 SHEET 02 OF 02
 REV: **A** ORIGINAL SIZE - A2