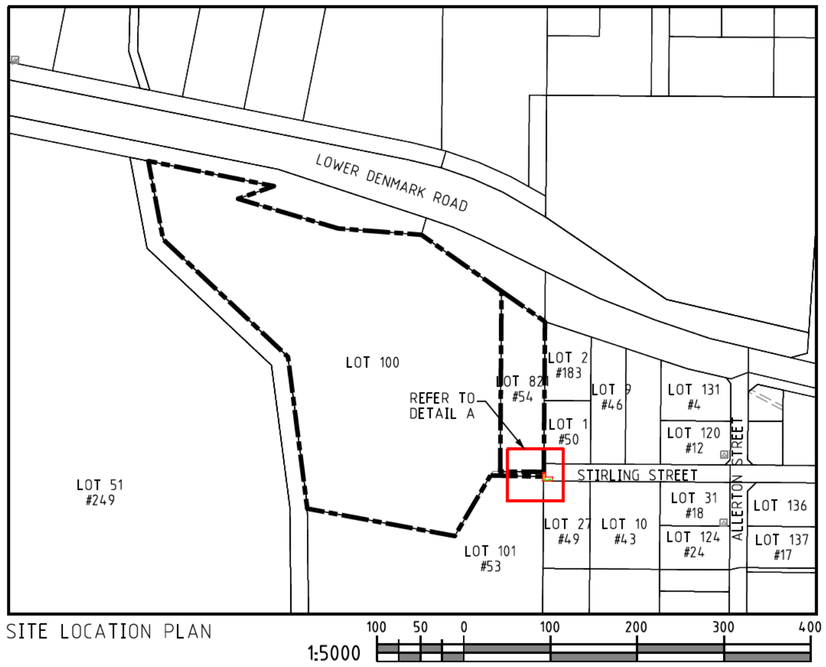
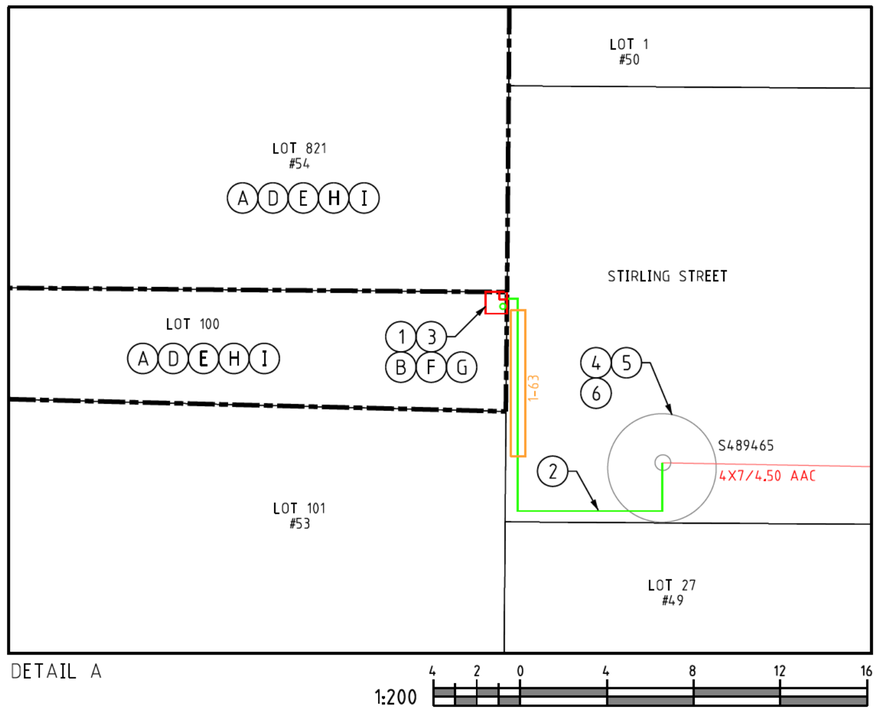
TO BE CONSTRUCTED DE-ENERGISED UNLESS RISK ASSESSED

SAFETY - MAKE IT YOUR PRIMARY VALUE



SITE LOCATION PLAN

1:5000 100 50 0 100 200 300 400



DETAIL A

1:200 4 2 0 4 8 12 16

WESTERN POWER SCOPE OF WORK

1. INSTALL MINI PILLAR AS PER ZONE EXCLUSION DETAIL (WASIR CL. 12.5.3) AS PER CUSTOMER PEGGED LOCATION ON LOT 100
   CU = LU10 x 1
   DCSH = U08-04
2. INSTALL NEW 25LV CABLE FROM EXISTIN POLE S489465 TO NEW MINI PILLAR ON LOT 100 AS PER DETAIL A
   CU = CN42 x 30m, CN54 x 2, CN73_LV25 x 3
3. TERMINATE NEW 25LV CABLE TO NEW MINI PILLAR ON LOT 100
   DCSH = U08-04
4. TERMINATE NEW 25LV CABLE ONTO EXISTING POLE S489465
   CU = LU51_25ALU x 1, LU51_25ALO x 1
   DCSH = U19-1
5. DISCONNECT AND REMOVE EXISTING CONSUMER AERIAL SERVICE FROM EXISTING POLE S489465 TO LOT 100
6. DISCONNECT AND REMOVE EXISTING CUSTOMER AERIAL SERVICE FROM EXISTING POLE S489465 TO LOT 821 (#54)
7. ENVIRONMENTAL FILTER CHECKED

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

   1. CONDITIONS OF NATIVE VEGETATION CLEARING PERMIT. (NO NATIVE VEGETATION MAY BE CLEARED OR DAMAGED WITHOUT A PERMIT). - REFER TO CUSTOMER SCOPE OF WORK J

   2. ACID SULPHATE SOIL MANAGEMENT PLAN: THIS PROJECT FALLS WITHIN AN ACID SUPLFATE SOILS OF HIGH TO MODERATE RISK. THE WORKS DOES NOT REQUIRE EXCAVATION OF 100cubic meter OR MORE WITH THE AREA. NO FURTHER ACTIONS AREQUIRED FOR THIS CONSTRAINT, PROVIDED BACKFILLING IS COMPLETED WITHIN 18HOURS

   3. LAND USE PLANNING

   4. SURFACE WATER - PUBLIC DRINKING WATER: THE PROJECT WORKS DOES NOT HAVE THE POTENTIAL TO POLLUTE GROUND WATER INVOLVE PLACEMENT OF LARGE OIL-FILLED EQUIPMENT. NO FURTHER ACTIONS REQUIRED FOR THIS CONSTRAINT

   5. WETLAND - SOUTH COAST SIGNIFICANT WETLANDS: THE PROJECT WORKS DOES NOT HAVE THE POTENTIAL TO POLLUTE GROUND WATER INVOLVE PLACEMENT OF LARGE OIL-FILLED EQUIPMENT. NO FURTHER ACTIONS REQUIRED FOR THIS CONSTRAINT

   PLEASE REFER TO THE ENVIRONMENTAL DRAWING FOR MORE INFORMATION.

CRITICAL RISK MANAGEMENT

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 INCLUDING CONTAMINATED SOIL, ASBESTOS ETC.

4. LOCATED 300mm ABOVE 100 YEAR FLOOD LEVEL AND NOT IN A PRECARIOUS POSITION.

C. CUSTOMER TO INSTALL NON-CORROSIVE BOLLARDS ADJACENT TO THE PILLAR AS PER THE WESTERN AUSTRALIAN SERVICE AND INSTALLATION REQUIREMENTS CLAUSE 12.5.3.

D. CUSTOMER RESPONSIBLE TO REMOVE CUSTOMERS POLE AFTER COMPLETION OF WORK.

E. 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.

F. CUSTOMER IS RESPONSIBLE TO ARRANGE FOR WESTERN POWER ELECTRICAL SERVICE REQUEST OR AN APPROPRIATELY ACCREDITED ELECTRICAL CONTRACTOR, TO TERMINATE ALL CONSUMER MAINS FOR LOT 100 TO THE NEW MINI PILLAR BACK BLOCKS. MAX SIZE CONSUMER MAINS THAT CAN BE TERMINATED IS 35mm2/PHASE.

G. CUSTOMER IS RESPONSIBLE TO ARRANGE FOR WESTERN POWER ELECTRICAL SERVICE REQUEST OR AN APPROPRIATELY ACCREDITED ELECTRICAL CONTRACTOR, TO TERMINATE ALL CONSUMER MAINS FOR LOT 821 (#54) TO THE NEW MINI PILLAR BACK BLOCKS. MAX SIZE CONSUMER MAINS THAT CAN BE TERMINATED IS 35mm2/PHASE.

H. CUSTOMER MUST COMPLY WITH POWER QUALITY LIMITS AS PER AS/NZS TS IEC 61000.3.5 AND WESTERN POWER TECHNICAL REQUIREMENTS.

I. THIS DESIGN IS INTENDED TO BE CONSTRUCTED DE-ENERGISED, YOUR ELECTRICITY SUPPLY MAY NOT BE AVAILABLE DURING THIS TIME

J. ENVIRONMENTAL ISSUES IDENTIFIED
1. NATIVE VEGETATION: 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 TO DWER CONFIRMING CLEARING PERMIT IS NOT REQUIRED OR WRITTEN DETAILS OF A RELEVANT CLEARING PERMIT EXEMPTION AND SUPPORTING DOCUMENTS..

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
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 & LUMINIRE DETAILS.

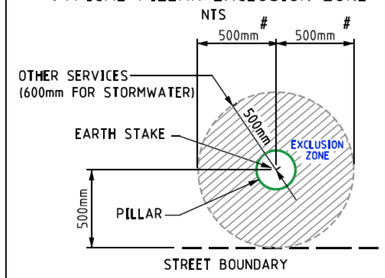
PILLARS / PITS / ETC
MINI (WORKING END)
UNIVERSAL
MINI
LINK
CABLE MARKER U/G
UMS PIT
UTILITIES PIT
BGSP PIT
100/200AMP CUTOUT
CONDUIT / POLY PIPE
SUM Serviced Uncleared De-energised Lot

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)

TYPICAL PILLAR EXCLUSION ZONE

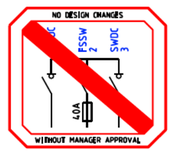
NTS



500mm to either side boundary

WATER CORP PIPELINE IN VICINITY OF WORKS

TELSTRA AND NBN METWORKS IN VICINITY OF WORKS



ISSUED FOR CONSTRUCTION

CUSTOMER CONTACT DETAILS

[redacted]

Rev.	REVISIONS	DRN	DATE	FILE REFERENCE DETAILS
				SHE ASSESSMENT FILTER CHECK REPORT
A	ISSUED FOR CONSTRUCTION	L.S.	06/26	HAZARD MANAGEMENT REGISTER

OH TO UG CONVERSION

LOT 100 & LOT 821 #54 STIRLING STREET,

ROBINSON, WA, 6330

NETWORK VOLTAGE: 22kV / 415V

DATE: 06/26 | SCALE: AS NOTED @ A2

GEO REF: Lat. - 35°1'10.71" S
Long. - 117°50'1.81" E

westernpower

DRAWING NUMBER

SP053521

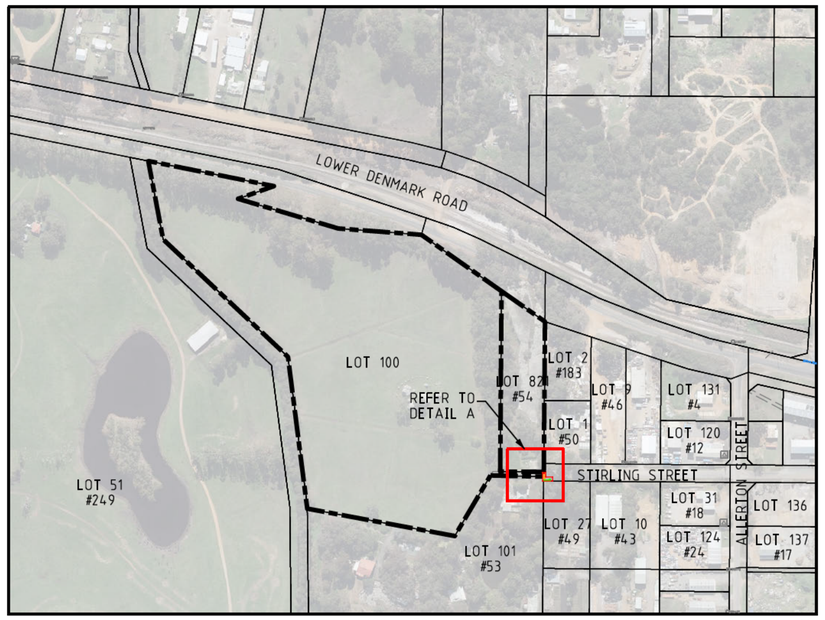
SHEET 01 OF 01

REV: A | ORIGINAL SIZE - A2

TO BE CONSTRUCTED DE-ENERGISED UNLESS RISK ASSESSED | SAFETY - MAKE IT YOUR PRIMARY VALUE

CRITICAL RISK MANAGEMENT





SITE LOCATION PLAN 1:5000



DETAIL A

VEGETATION PERMIT ONLY AREA
A - E 576676.369m N 6124411.480m
B - E 576680.068m N 6124411.480m
C - E 576680.068m N 6124405.696m
D - E 576688.056m N 6124405.696m
E - E 576688.097m N 6124400.872m
F - E 576676.368m N 6124400.992m
MGA94 Z50 COORDINATE SYSTEM
TOTAL AREA 77.183m²

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 77.183m2 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.

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)

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CN41 - 16mm2 SL (1c)
40 C PILOT
EXISTING LV CABLES (SIZE AND TYPE INDICATED)

STREET LIGHTS — EXISTING
POLE BRACKET
SINGLE OUTREACH
DOUBLE OUTREACH
4-WAY
- ALPHA CHARACTER DENOTES STREET LIGHT TYPE. REFER STREET LIGHT SCHEDULE FOR POLE & LUMINIRE DETAILS.

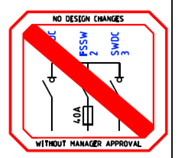
PILLARS / PITS / ETC
MINI (WORKING END)
UNIVERSAL
MINI
LINK
CABLE MARKER U/G
UMS PIT
UTILITIES PIT
BGSP PIT
100/200AMP CUTOUT
CONDUIT / POLY PIPE
SUPA Serviced Uncleared De-energised Lot

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)

TELSTRA AND NBN METWORKS IN VICINITY OF WORKS

TYPICAL PILLAR EXCLUSION ZONE
NTS
500mm # 500mm #
OTHER SERVICES (600mm FOR STORMWATER)
EARTH STAKE
PILLAR
500mm
EXCLUSION ZONE
STREET BOUNDARY
500mm to either side boundary



ISSUED FOR CONSTRUCTION

WATER CORP PIPELINE IN VICINITY OF WORKS

CUSTOMER CONTACT DETAILS
[redacted]

CONVERSION
1 #54 STIRLING STREET,
SON, WA, 6330
ATION DRAWING

DESIG
DESIG
EMAIL
TEL:
DATE: 06/26
SCALE: AS NOTED @ A2
GEO REF: Lat. - 35°1'10.71" S
Long. - 117°50'1.81" E

western power
DRAWING NUMBER
SP053521
SHEET 01 OF 01
REV: A
ORIGINAL SIZE - A2