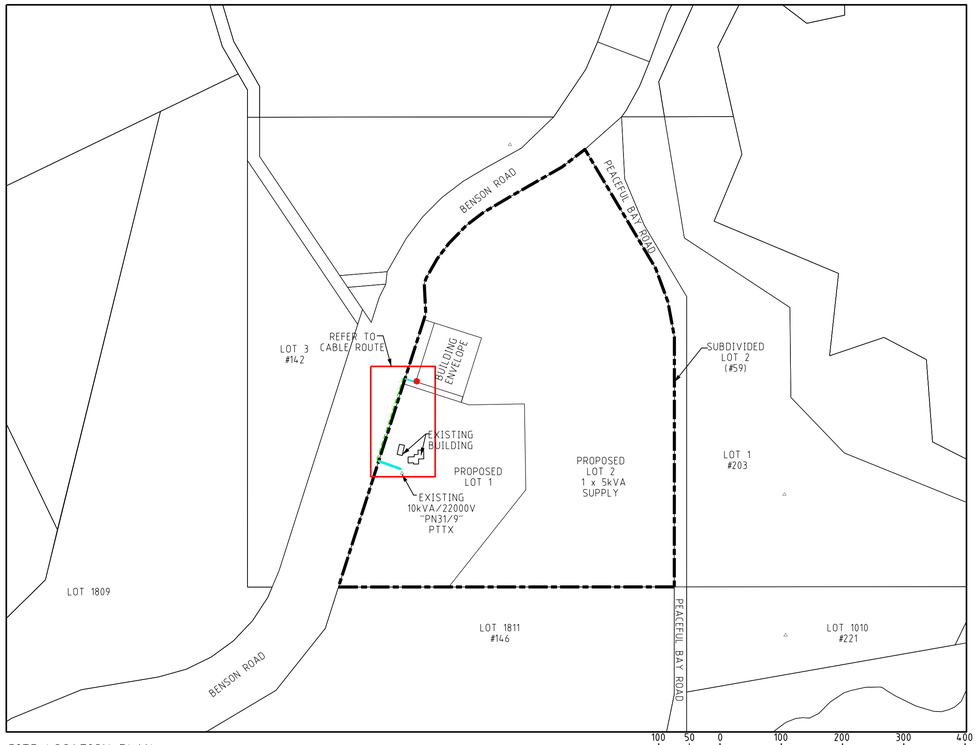
DESIGNED TO BE CONSTRUCTED DE-ENERGISED UNLESS RISK ASSESSED

SAFETY - MAKE IT YOUR PRIMARY VALUE

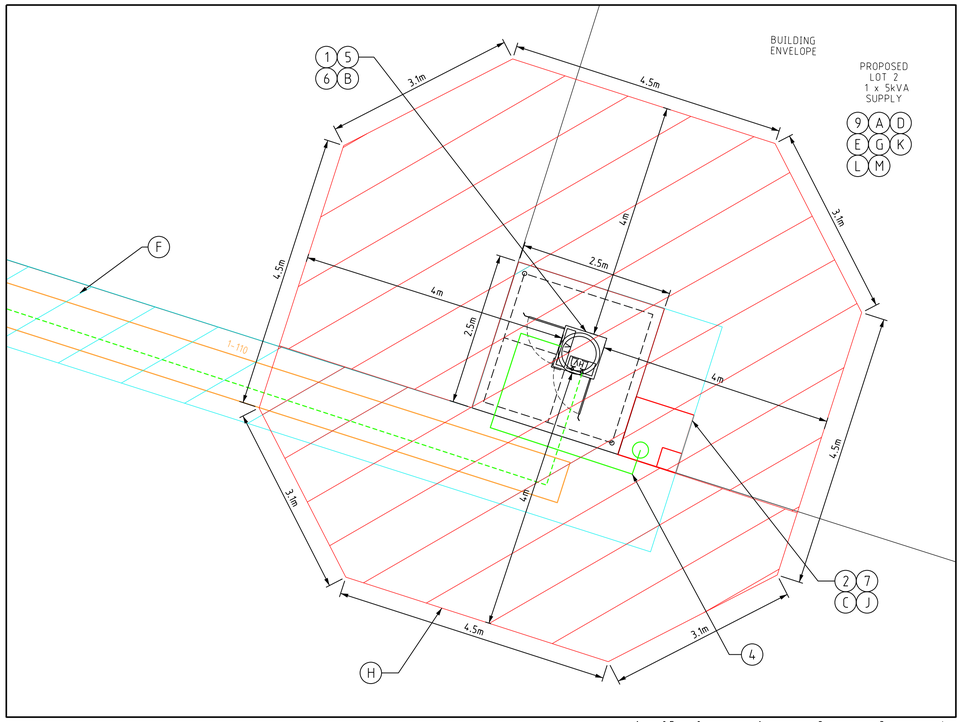
EXTREME FIRE RISK AREA

ISSUED FOR CONSTRUCTION



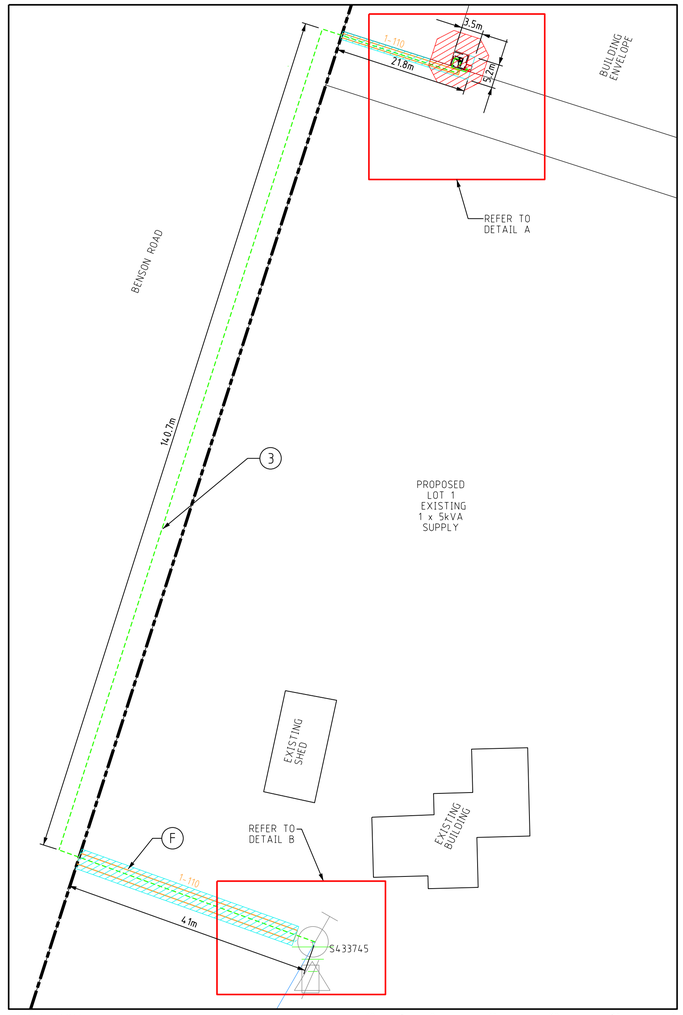
SITE LOCATION PLAN

1:5000



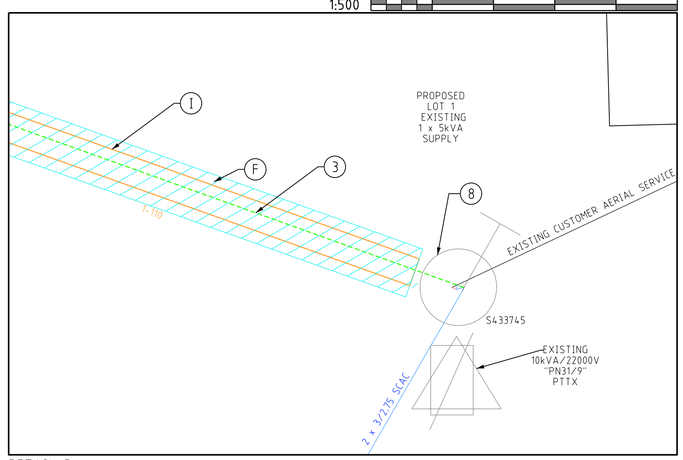
DETAIL A

1:50



CABLE ROUTE

1:500



DETAIL B

1:200

WESTERN POWER SCOPE OF WORK

1. INSTALL NEW 25kVA 12.7kV SINGLE PHASE UNDERGOUND DISTRIBUTION (SPUD) TRANSFORMER AS PER DSPM-3-25 AND DSPM-4-01 (250V ARRANGMENT) ON PROPOSED LOT 2 (BUILDING ENVELOPE) AS PER DETAIL A. INSTALL OIL CONTAINMENT PANEL AND POST WITH RAILWAY BALLAST/FLAME TRAP IN ACCORDANCE WITH WASIR CLAUSE 14.6.5 AND DSPM CHAPTER 5.
   CU = HU31_R25/22 x 1, HU77 x 1, HU75 x 1, HU67_22S_200A x 1, HU66_22S x 1,
2. INSTALL MINI PILLAR AS PER ZONE EXCLUSION DETAIL (WASIR CL. 12.5.3) ON BUILDING ENVELOPE AT PROPOSED LOT 2 AS PER DETAIL B.
   CU = LU10 x 1,
   NON CU = CR0324 x 1,
   DCSM = U08-04,
3. INSTALL NEW 35HV CABLE FROM NEW SPUD TRANSFORMER ON PROPOSED LOT 2 TO EXISTING POLE S433745.
   CU = CN47 x 230m, CN54 x 4, CN73_35/185 x 3,
4. INSTALL NEW 25LV CABLE FROM NEW 25kVA SPUD TRANSFORMER TO NEW MINI PILLAR ON PROPOSED LOT 2.
   CU = CN42 x 20m, CN54 x 2, CN73_LV25 x 3,
5. TERMINATE NEW 35HV CABLE INTO NEW 25kVA 12.7kV SPUD TRANSFORMER.
6. TERMINATE NEW 25LV CABLE INTO NEW 25kVA 12.7kV SPUD TRANSFORMER.
   NON CU = FL1448 x 3, FL1442 x 1,
7. TERMINATE NEW 25LV CABLE TO NEW MINI PILLAR ON PROPOSED LOT 2 AS PER DETAIL B.
   DCSM = U08-04,
8. AT POLE S433745:
   INSTALL NEW 3A FAULT TAMER.
   TERMINATE NEW 35HV CABLE TO EXISTING HV BARE VIA THE FAULT TAMER.
   RECONNECT EXISTING AERIAL CUSTOMER SERVICE TO PROPOSED LOT 1.
   CU = CN9_3/275 x 2, CN11_7/475 x 2, CN8_7/475 x 1, HU57_O x 1, HU57_U x 1, HV52_3F1 x 1, CN65_150 x 1,
   DCSM = HV47-4, R13-3-1, R08-1-1,
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 - THIS PROJECT INVOLVES VEGETATION CLEARING WHICH IS THE RESPONSIBILITY OF THE CUSTOMER TO OBTAIN ALL NECESSARY PERMIT AND APPROVAL FOR THE WORKS TO BE EXECUTED. CONDITIONS OF NATIVE VEGETATION CLEARING PERMIT. NO NATIVE VEGETATION MAY BE CLEARED OR DAMAGED WITHOUT A PERMIT.
   2. LAND USE PLANNING SCHEME - ZONES AND RESERVES (DPLH-071).
   3. NATIVE TITLE - INDIGENOUS LAND USE AGREEMENTS (ILUAs).
   4. VEGETATION. THIS PROJECT INVOLVES VEGETATION CLEARING WHICH IS THE RESPONSIBILITY OF THE CUSTOMER TO OBTAIN ALL NECESSARY PERMIT AND APPROVAL FOR THE WORKS TO BE EXECUTED. CONDITIONS OF NATIVE VEGETATION CLEARING PERMIT. NO NATIVE VEGETATION MAY BE CLEARED OR DAMAGED WITHOUT A PERMIT.

   PLEASE REFER TO THE ENVIRONMENTAL DRAWING FOR MORE INFORMATION.

CUSTOMER SCOPE OF WORK

A. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE WESTERN AUSTRALIAN SERVICE AND INSTALLATION REQUIREMENTS.

B. 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 1m. EXCAVATIONS GREATER THAN 1.5m TO BE IN ACCORDANCE WITH THE EXCAVATION CODE OF PRACTICE.

C. 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.

D. NO BUILDING ALLOWED WITHIN 4m OF THE SUBSTATION UNLESS 2 HOURS FIRE RATED. SEE WESTERN POWER DRAWING DSPM-5-01 FOR DETAILS.

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 TO ARRANGE FOR A CROWN EASEMENT UNDER THE LAND ADMINISTRATION ACT 1997 CUSTOMER TO SUBMIT THE DEPOSITED PLAN TO WESTERN POWER PRIOR TO THE COMMENCEMENT OF WORKS.
   CUSTOMER TO CONTACT WESTERN POWER PROPERTY SPECIALIST AT conveyancing@westernpower.com.au TO ARRANGE THE PREPARATION AND REGISTRATION. EASEMENT TO BE REGISTERED PRIOR TO COMMENCEMENT OF WORKS

G. IF THE CUSTOMER PROPOSES TO INSTALL SCREENING, APPROVAL SHALL BE OBTAINED FROM WESTERN POWER PRIOR TO ITS INSTALLATION. THE SCREENING SHALL BE INSTALLED ONLY AFTER WESTERN POWER HAS COMPLETED ALL OF THE WORK ON THE SUBSTATION SITE. REFER TO THE WESTERN AUSTRALIAN SERVICE AND INSTALLATION REQUIREMENTS CLAUSES 14.4.10.3.2, 14.4.11 AND 14.5.4 FOR DETAILS.

H. CUSTOMER TO CONTACT WESTERN POWER PROPERTY SPECIALIST AT conveyancing@westernpower.com.au TO ARRANGE THE PREPARATION AND REGISTRATION OF THE REQUIRED 129BA RESTRICTIVE COVENANT. RESTRICTIVE COVENANT TO BE REGISTERED AT TIME OF SUBDIVISION (IF APPLICABLE) OR PRIOR TO COMMENCEMENT OF WORKS.

I. CUSTOMER TO SUPPLY AND INSTALL DUCTING AS NOTED ON THE DESIGN DRAWING.

J. 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.

K. CUSTOMER TO ENSURE THAT THE SITE MAIN SWITCHBOARD TO PROPOSED LOT 2 IS LOCATED WITHIN 30m OF THE POINT OF SUPPLY

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

M. CUSTOMER IS RESPONSIBLE FOR ANY VEGETATION CLEARING REQUIRED FOR THE WORKS AND OBTAIN ALL NECESSARY PERMITS/APPROVAL PRIOR TO COMMENCEMENT OF WORKS. CUSTOMER TO PROVIDE VEGETATION CELARING ALONG THE CABLE ROUTE AND SPUD LOCATION AS PER SHEET 2 OF 2.

N. SUBSTATION TO BE DESIGNED TO MINIMUM DIMENSIONS SHOWN ON THE DRAWING AND IN-CONJUNCTION WITH WESTERN POWER'S DRAWING DSPM-3-25.

O. CUSTOMER TO ENSURE NO METALLIC FENCES ARE INSTALLED WITHIN 2METERS OF SUBSTATION SITE.

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.

CRITICAL RISK MANAGEMENT

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.

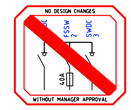
PILLARS / ETC
MINI (WORKING END)
UNIVERSAL
MINI
LINK
CABLE MARKER U/G
UMS PIT
UTILITIES PIT
BGSP PIT
100/200AMP CUTOUT
CONDUIT / POLY PIPE
Serviced Uncleared De-energised Lot

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)

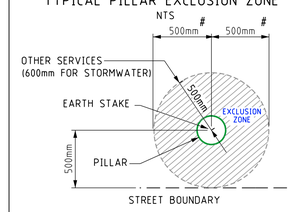
OH EQUIPMENT
INTERMEDIATE
DOF
INLINE STRAIN
PTT
AERIAL STAY
RECLOSER
LOAD BREAK SWITCH
CAPACITOR
LBPTS
PTS
HV ISOLATOR
LV DISCONNECTOR
ISOL TX
OUTRIGGER STAY
GROUND STAY
SECTIONALISER
LV ABC KRONE
STREETLIGHT BOX





TELSTRA & COMMS NETWORK IN VICINITY OF WORKS

TYPICAL PILLAR EXCLUSION ZONE



500mm to either side boundary

W.A.P.C. REFERENCE No. 201580

CUSTOMER CONTACT DETAILS
COMPANY NAME: N/A
CONTACT: RAYMOND BENSON TEL: 0428408161

Rev.	REVISIONS	DRN	DATE	REFERENCE FILE DETAILS
				EPR
				SHE ASSESSMENT FILTER CHECK REPORT
A	ISSUED FOR CONSTRUCTION	L.S.	11/25	HAZARD MANAGEMENT REGISTER

GREEN TITLE - RESIDENTIAL SUBDIVISION

2 x 5kVA DADMD SUPPLY

LOT 2, 59 BENSON ROAD, BOW BRIDGE, 6333, WA

NETWORK VOLTAGE: 22kV / 415V

DESIGNER:	L.SALAMI
DESIGN TEAM:	CCS RESIDENTIAL DESIGN
EMAIL:	ccs.resi.design@westernpower.com.au
TEL:	13 10 87
DATE: 11/25	SCALE: AS NOTED @ A1
GEO REF:	Lat. - 34°59'23.848" S Long. - 116°56'26.11" E

westernpower

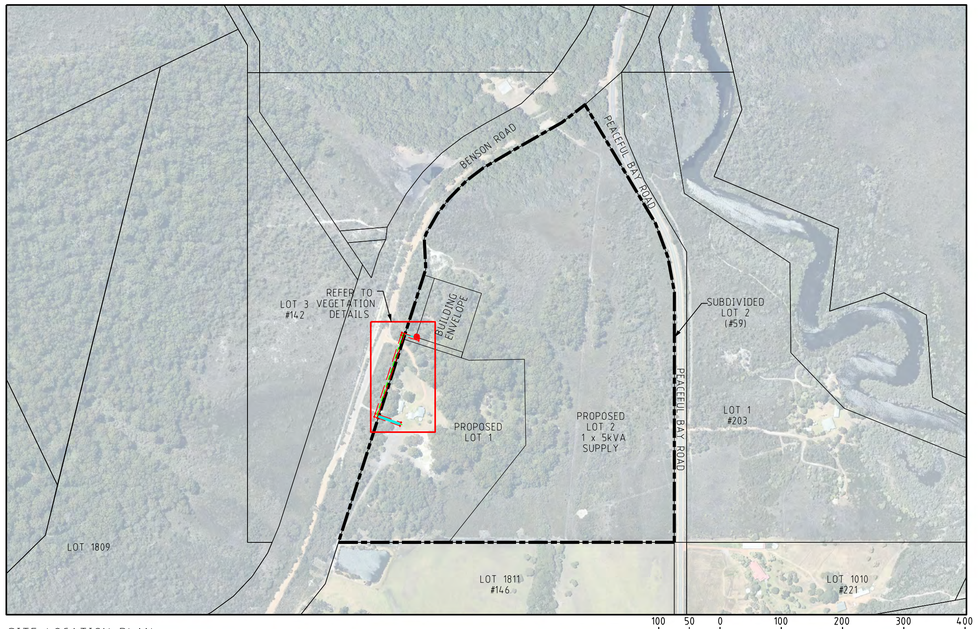
DRAWING NUMBER

SP052761

SHEET 01 OF 02

REV: A ORIGINAL SIZE - A1

DESIGNED TO BE CONSTRUCTED DE-ENERGISED UNLESS RISK ASSESSED | SAFETY - MAKE IT YOUR PRIMARY VALUE | EXTREME FIRE RISK AREA | ISSUED FOR CONSTRUCTION



SITE LOCATION PLAN

1:5000 100 50 0 100 200 300 400

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.

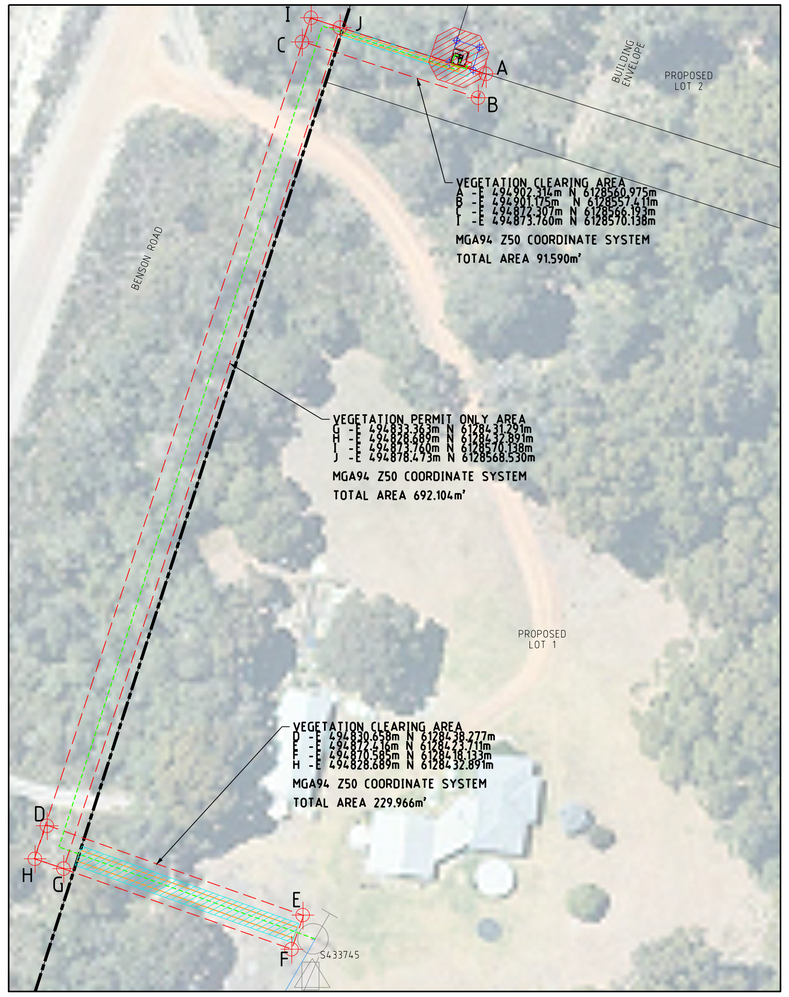
DETAIL A OF 692.104m2 IS THE AREA IN WHICH A CLEARING PERMIT IS REQUIRED, WHICH WILL ALLOW FOR THE WORKS TO PROCEED. THE AREA THAT IS DEFINED IS THE OPERATIONAL POTENTIAL IMPACT OF PERFORMING THE CONSTRUCTION WORKS. THIS PERMIT ALLOWS FOR INADVERTENT DESTRUCTION OF VEGETATION AND IS NOT REQUIRED BY THE 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.

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:

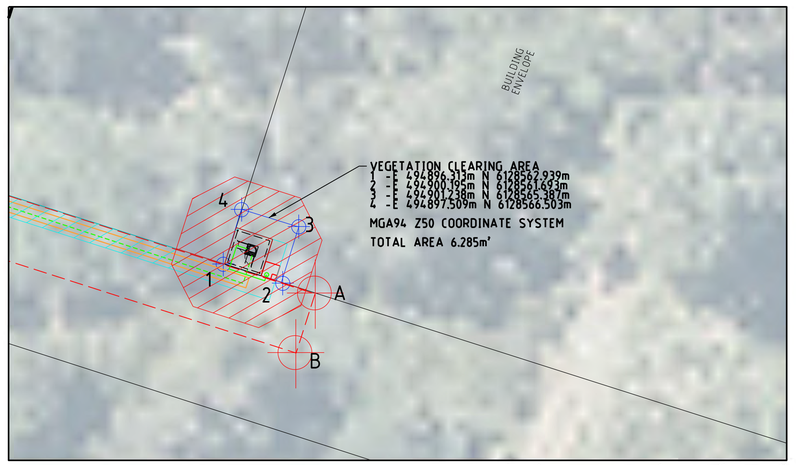
- A CLEARING PERMIT; OR
- A REFERRAL DETERMINATION NOTICE ISSUED BY DWER CONFIRMING A CLEARING PERMIT IS NOT REQUIRED; OR
- WRITTEN DETAILS OF A RELEVANT CLEARING PERMIT EXEMPTION AND SUPPORTING DOCUMENTS (INCLUDING ANY REGULATOR CORRESPONDENCE).

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.



DETAIL A

1:500 10 5 0 10 20 30 40



DETAIL B

1:200 4 2 0 4 8 12 16

CRITICAL RISK MANAGEMENT

LEGEND

SCHEME BDY.
RETAINING WALL
RESTRICTED ZONE
EASEMENT

HV CABLES
CN53 - 400mm2 (3X1c)
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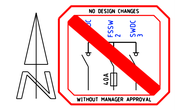
STREET LIGHTS — EXISTING
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4-WAY
- ALPHA CHARACTER DENOTES STREET LIGHT TYPE. REFER STREET LIGHT SCHEDULE FOR POLE & LUMINIRE DETAILS.

PILLARS / PITS / ETC
MINI (WORKING END)
UNIVERSAL
MINI
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CABLE MARKER U/G
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BGSP PIT
100/200AMP CUTOUT
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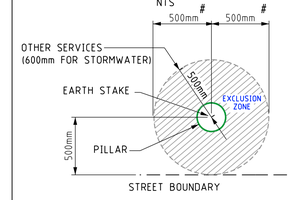
TRANSFORMER | EXISTING | SWITCHGEAR

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
DOF
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 BOX



TYPICAL PILLAR EXCLUSION ZONE



500mm to either side boundary

W.A.P.C. REFERENCE No. 201580

CUSTOMER CONTACT DETAILS
COMPANY NAME: N/A
CONTACT: RAYMOND BENSON TEL: 0428408161

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GREEN TITLE - RESIDENTIAL SUBDIVISION

2 x 5kVA DADMD SUPPLY

LOT 2, 59 BENSON ROAD, BOW BRIDGE, 6333, WA

VEGETATION DRAWING

DESIGNER:	L.SALAMI
DESIGN TEAM:	CCS RESIDENTIAL DESIGN
EMAIL:	ccs.resi.design@westernpower.com.au
TEL:	13 10 87
DATE: 11/25	SCALE: AS NOTED @ A1
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westernpower

DRAWING NUMBER
SP052761
SHEET 02 OF 02
REV: A ORIGINAL SIZE - A1