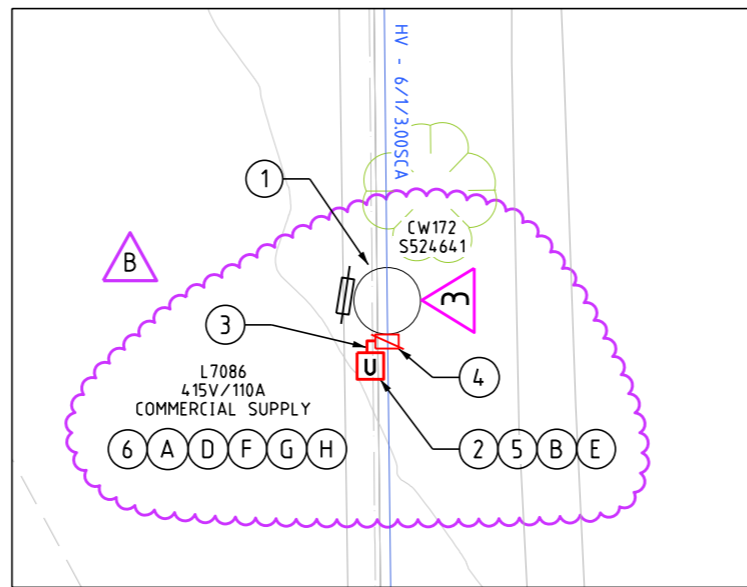
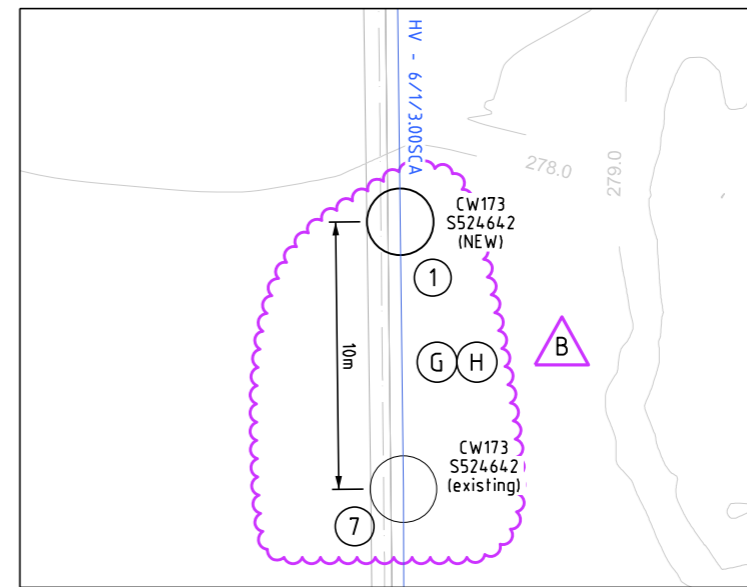


LOCATION PLAN
1:10,000

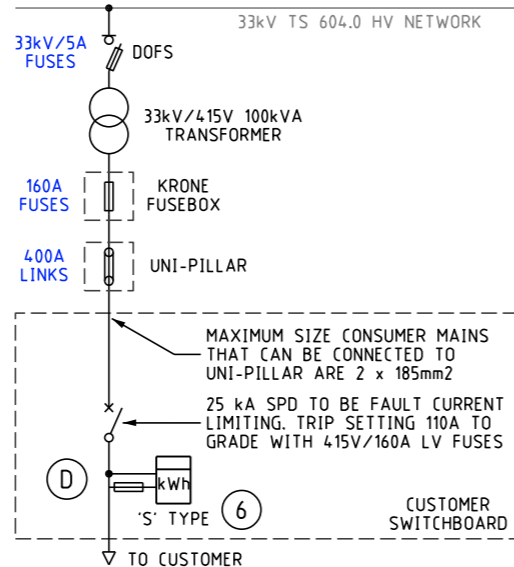
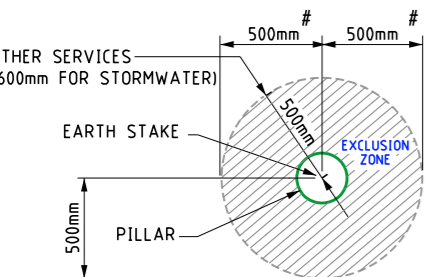
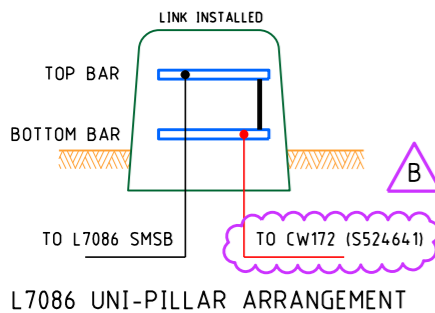


DETAIL A: NEW 100kVA TRANSFORMER
1:200



DETAIL B: ADJACENT POLE CW175
1:200

LEGEND	
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)	
HV - AERIAL CONDUCTORS	
19/3.25 AAC/AAAC	
7/4.75 AAC/AAAC	
7/2.5 AAC/AAAC	
3/2.75 SCAC	
6/1/3.00 AACSR/AC	
150 HENDRIX	
EXISTING HV 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
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
Serviced Uncleared De-energised Lot	



WESTERN POWER SCOPE OF WORKS

- REPLACE POLE AS PER THE POLE SCHEDULE.
- INSTALL UNI-PILLAR 1m SOUTH FROM BASE OF POLE CW172 (S524641), AS PER ZONE EXCLUSION DETAIL (WADCM CL. 12.5.3). INSTALL 400A LINKS.
CU: LU11 x 1, LU36 x 1
DCSH: U09, R09
- INSTALL 240LV CABLE FROM POLE CW172 (S524641) TO UNI-PILLAR, AT 1200mm DEPTH VIA OPEN TRENCH, AND INSTALL CABLE PROTECTION SLABS.
CU: CN45 x 15m, CN54 x 2, CN73 x 2
- TERMINATE 240LV CABLE ON POLE CW172 (S524641) VIA 160A KRONE FUSES.
CU: LU61 x 1
DCSH: U19-3
- AT NEW UNI-PILLAR:
- TERMINATE 240LV CABLE ONTO BOTTOM BAR
- TERMINATE CUSTOMER'S CABLE ONTO TOP BAR VIA 400A LINKS, IN CONJUNCTION WITH THE CUSTOMER'S ELECTRICAL CONTRACTOR.
CU: LU7 x 1
DCSH: U09
- INSTALL CT METER IN CUSTOMERS SWITCHBOARD.
CU: LM1 x 1
- REMOVE EXISTING POLE CW173 (S524642)
- ENVIRONMENTAL FILTER CHECKED
THE FOLLOWING ENVIRONMENTAL ISSUES HAVE BEEN IDENTIFIED FOR THIS PROJECT. ALL RELEVANT PERMITS/PROCEDURES MUST BE OBTAINED/ADHERED TO:
- CONDITIONS OF NATIVE VEGETATION CLEARING PERMIT
THE CUSTOMER IS RESPONSIBLE FOR OBTAINING A CLEARING PERMIT AND REMOVING VEGETATION AROUND POLES CW172 & CW173 (NEW) LOCATIONS PRIOR TO WESTERN POWER WORKS.

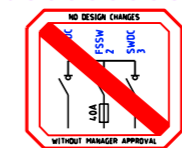
CUSTOMER SCOPE OF WORKS

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE WESTERN AUSTRALIAN DISTRIBUTION CONNECTIONS MANUAL.
- PILLAR EXCLUSION ZONE TO BE PREPARED AS PER THE WESTERN AUSTRALIAN DISTRIBUTION CONNECTIONS MANUAL CLAUSE 12.5.3. THIS INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING:
- PEGGING THE PILLAR LOCATION PRIOR TO CONSTRUCTION.
- ONLY EASILY REMOVABLE SURFACE TREATMENT IS TO BE INSTALLED IN THIS AREA, SUCH AS BRICK PAVING.
- CLEAR OF ALL SERVICES.
- LOCATED 300mm ABOVE 100 YEAR FLOOD LEVEL AND NOT IN A PRECARIOUS POSITION.
- CUSTOMER TO SUPPLY AND INSTALL 'S' TYPE METERING CT'S.
- CUSTOMER MUST COMPLY WITH POWER QUALITY LIMITS AS PER AS/NZS TS IEC 61000.3.5 AND WESTERN POWER TECHNICAL REQUIREMENTS.
- THE CUSTOMER'S ELECTRICAL CONTRACTOR IS TO SUPPLY SUITABLE LUGS AND CRIMPING TOOLS FOR TERMINATION OF CUSTOMERS CABLE.
- INSTALLATION SHALL COMPLY WITH THE WAER CLAUSES 3.6.3 & 3.6.7 FOR MULTIPLE POINTS OF SUPPLY. ALL REQUIREMENTS OF THE WAER CONDITIONS, WHICH INCLUDES 200m SEPARATION FROM EACH POINT OF SUPPLY AND 50m SEPARATION FROM EACH SUPPLIES ELECTRICAL INSTALLATION SHALL BE UNDERTAKEN PRIOR TO REQUESTING ENERGISATION. PLEASE ENSURE THE ELECTRICAL CONTRACTOR IS AWARE OF THE REQUIREMENTS.
- CUSTOMER TO LIAISE WITH THE WESTERN POWER CONSTRUCTION MANAGER AND CONFIRM SUITABLE ACCESS TRACK ROUTES TO THE WESTERN POWER ASSETS.
- CUSTOMER IS RESPONSIBLE FOR OBTAINING A NATIVE VEGETATION CLEARING PERMIT AND REMOVING VEGETATION PRIOR TO THE COMMENCEMENT OF WORKS. REFER TO THE ENVIRONMENTAL DRAWING (SHEET 2) FOR MORE DETAILS.

POLE SCHEDULE						ASCION CHECK
POLE ID	POLE SIZE	INSTRUCTION	CU	DCSH	LOCATION (MGAS0) EASTING NORTHING	
CW172 S524641	EXISTING	ON EXISTING POLE: - INSTALL HV DOF INTERMEDIATE CROSS-ARM - INSTALL 33kV/5A DROP OUT FUSE ELEMENTS - REPLACE RUNNING EARTH INTERMEDIATE AT NEW ATTACHMENT HEIGHT, AS PER DCSH H10-2. - INSTALL 33kV/100kVA POLE TOP TRANSFORMER	HV20 x 1, HV51 x 3, RE1 x 1, CN9 x 3, CN18 x 4, CN74 x 8, TX4 x 1	H10-2	EXISTING EXISTING	
CW173 S524642 (NEW)	12.5m 6kN	- REPLACE EXISTING POLE AT NEW POSITION - INSTALL HV ANTI-SWAN INTERMEDIATE CROSS-ARM - REPLACE RUNNING EARTH INTERMEDIATE - INSTALL VIBRATION DAMPERS	PO8 x 1, HV43 x 1, RE1 x 1, CN18 x 4, CN74 x 8	R13-3 H01-3	390951.38 6715357.39	

NO DESIGN CHANGES

GOLDEN SAFETY RULES ARE INDICATIVE ONLY - ALWAYS PERFORM A DETAILED HAZARD ANALYSIS.



CUSTOMER CONTACT DETAILS
 NAME: CATHERINE LORECK
 COMPANY: CBH GROUP
 MOB: 08 9416 6190
 EMAIL: Catherine.Loreck@cbh.com.au

CBH ACCOMMODATION SITE CARNAMAH
 79kVA 415V COMMERCIAL SUPPLY
 NETWORK VOLTAGES: 415V & 33kV
 L7086 INJA ROAD, CARNAMAH
 DESIGN DRAWING

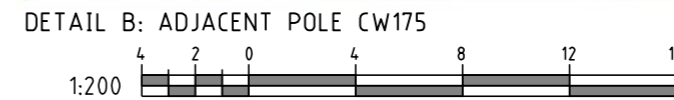
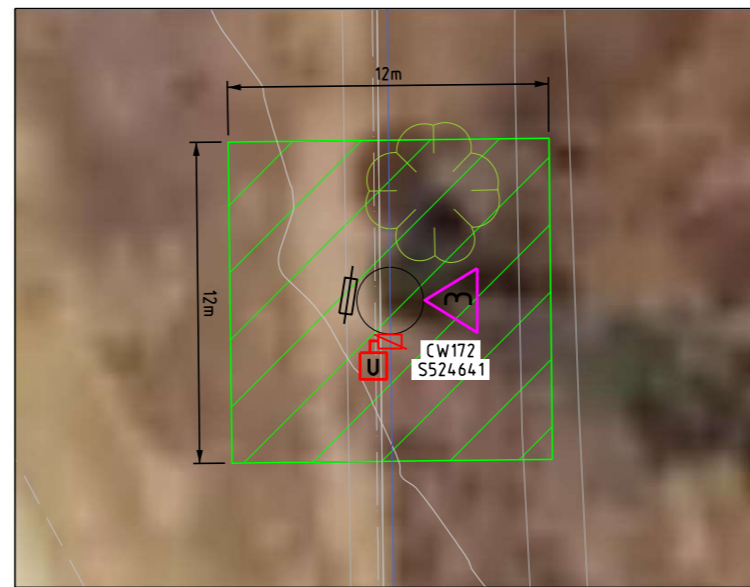
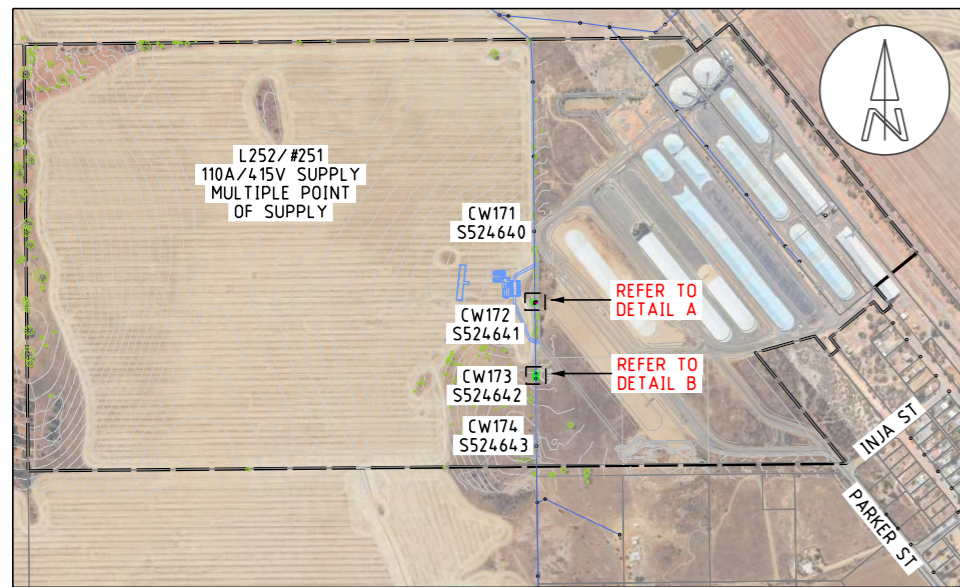
westernpower

DESIGN: NCS - NORTH COUNTRY
 TEL: 13 10 87
 DATE: 03/2021 SCALE: AS NOTED @ A2
 GEO REF: N/A

DRAWING NUMBER
NP030363
 SHEET 1 OF 2

REV: B ORIGINAL SIZE - A2

Rev.	REVISIONS	DRN	DATE	FILE REFERENCE DETAILS
B	REVISED SITE LOCATION & ENVIRONMENT SHEET 2	DNJ	07/21	
A	APPROVED FOR CONSTRUCTION	CK	04/21	NP030363 - ISAM.DGN
1	ISSUED FOR ENGINEERING REVIEW	DNJ	03/21	EDM# 56130113 - HAZARD MANAGEMENT REGISTER



LEGEND	
LV-SL CABLES	
CN45 - 240mm ² (1x3c)	
CN44 - 185mm ² (1x3c)	
CN43 - 120mm ² (1x3c)	
CN42 - 25mm ² (1x3c)	
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7/4.75 AAC/AAAC	
7/2.5 AAC/AAAC	
3/2.75 SCAC	
6/1/3.00 AACSR/AC	
150 HENDRIX	
EXISTING HV CONDUCTORS (SIZE AND TYPE INDICATED)	
OH EQUIPMENT	
INTERMEDIATE	PTS
DOF	HV ISOLATOR
INLINE STRAIN	LV DISCONNECTOR
PTT	ISOL TX
AERIAL STAY	OUTRIGGER STAY
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CAPACITOR	LV ABC KRONE
LBPTS	STREETLIGHT BOX
PILLARS / PITS / ETC	
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UNIVERSAL	UTILITIES PIT
MINI	BGSP PIT
LINK	100/200AMP CUTOUT
CABLE MARKER U/G	CONDUIT / POLY PIPE
Serviced Uncleared De-energised Lot	

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.

The Department of Water and Environmental Regulation (DWER) administers the clearing provisions of the Environmental Protection Act 1986 (EP Act). Clearing of Native vegetation is an offence unless it is done under the authority of a clearing permit (or an exemption applies). Note there are some circumstances where exemptions are granted. 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 & B shows two areas of 144m² and 170m² respectively around each pole location, where a clearing permit is required to allow the work to proceed. Details A & B are the areas in which the customer will have to arrange to be cleared/removed of any vegetation and prepare the sites prior to works commencing, as specified in the design drawing (sheet 1 of 2).

To assist in the above task, Western Power recommends that a Purpose permit (Form C2) be submitted to DWER (found via www.dwer.wa.gov.au under the clearing permit tab). Please attach this sheet which should contain the relevant information to fill out the form. The application cost for an Purpose Permit starts from \$2400 subject to the permit area required. Typically a response may take up to 60 working days dependant on the environmental impact.

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 Western Power with a copy of the signed clearing permit to the construction manager as soon as practicable for review and suitability confirmation. Further relevant and supporting information is available via DWER's website.

If you have any questions, please contact your allocated designer.

CUSTOMER CONTACT DETAILS	
NAME:	CATHERINE LORECK
COMPANY:	CBH GROUP
MOB:	08 9416 6190
EMAIL:	Catherine.Loreck@cbh.com.au

Rev.	REVISIONS	DRN	DATE	FILE REFERENCE DETAILS
B	REVISED SITE LOCATION & ENVIRONMENT SHEET 2	DNJ	07/21	
A	APPROVED FOR CONSTRUCTION	CK	04/21	NP030363 - ISAM.DGN
1	ISSUED FOR ENGINEERING REVIEW	DNJ	03/21	EDM# 56130113 - HAZARD MANAGEMENT REGISTER

CBH ACCOMMODATION SITE CARNAMAH
79kVA 415V COMMERCIAL SUPPLY
 NETWORK VOLTAGES: 415V & 33kV
 L7086 INJA ROAD, CARNAMAH
 ENVIRONMENT DRAWING

DESIGN: NCS - NORTH COUNTRY	DRAWING NUMBER
TEL: 13 10 87	NP030363
DATE: 03/2021 SCALE: AS NOTED @ A2	
GEO REF: N/A	SHEET 2 OF 2
REV: B	ORIGINAL SIZE - A2