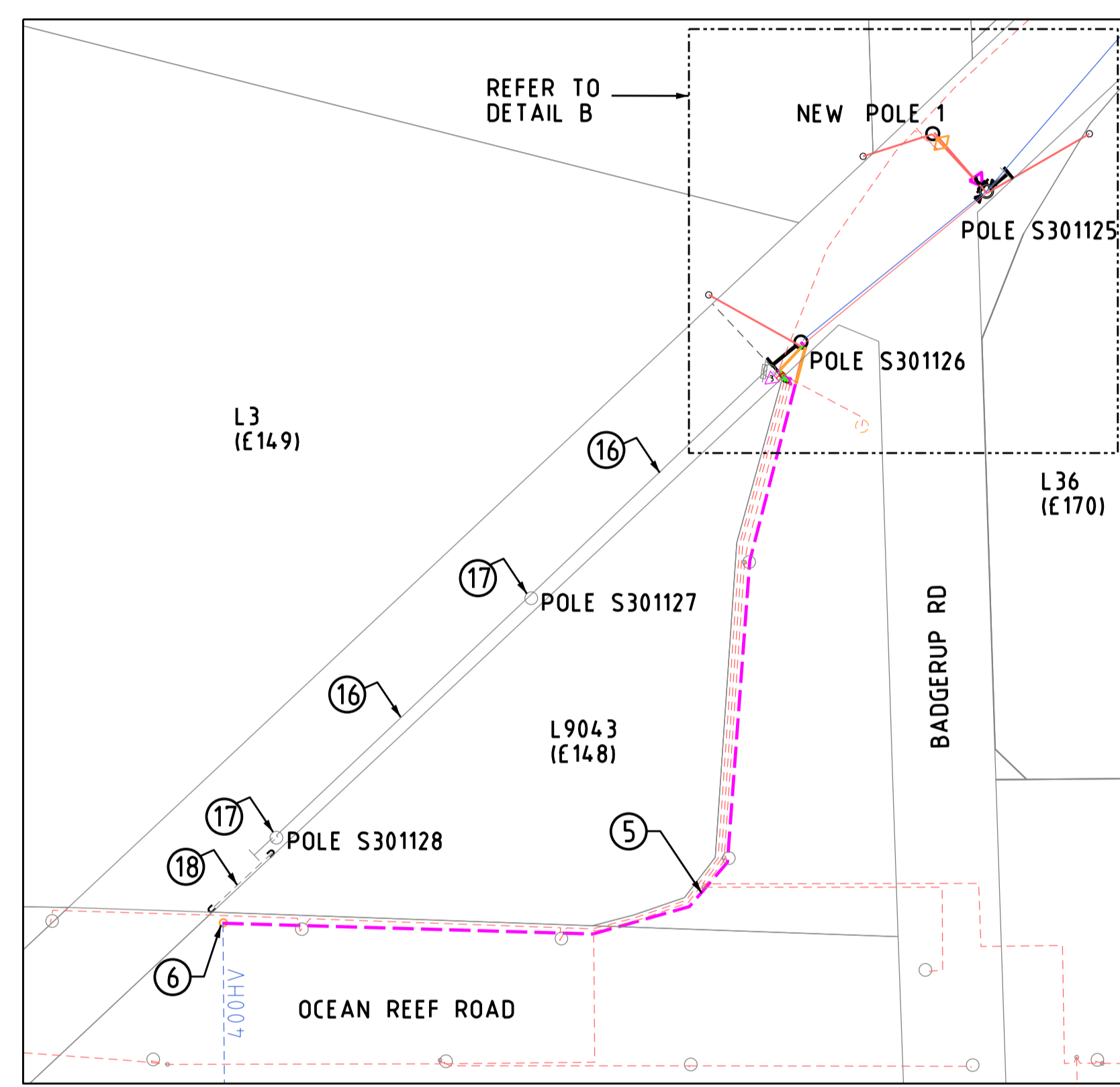
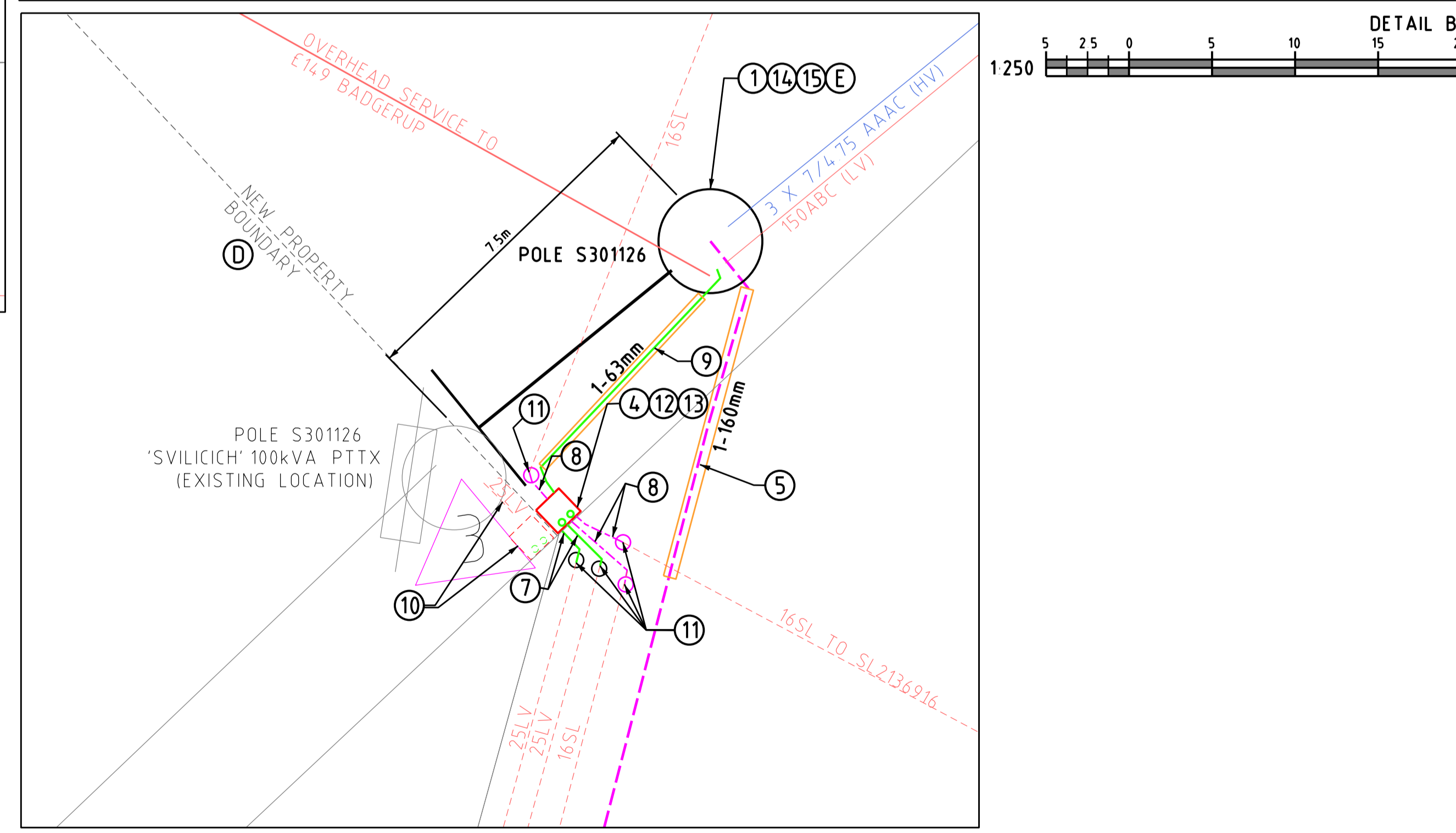
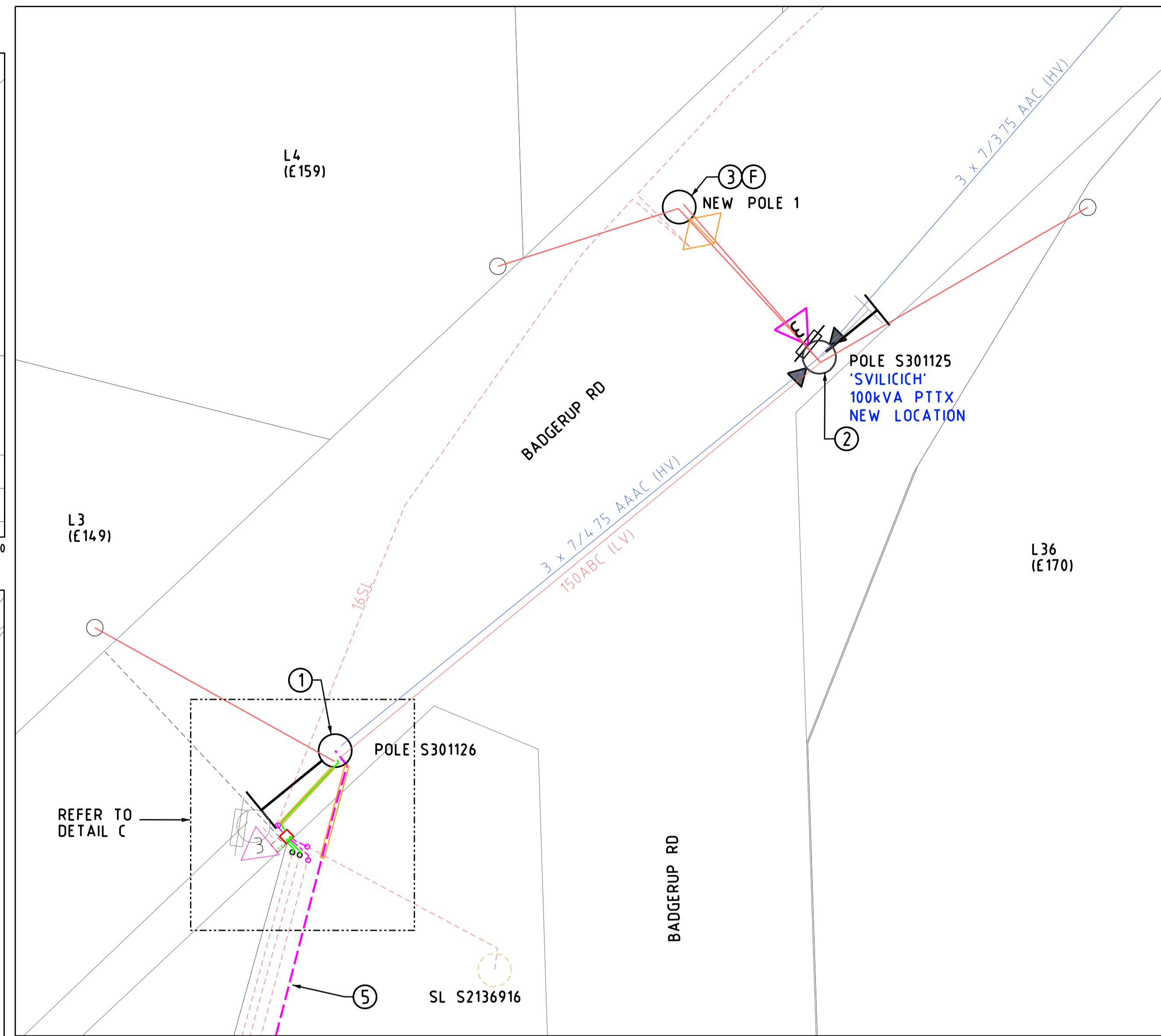


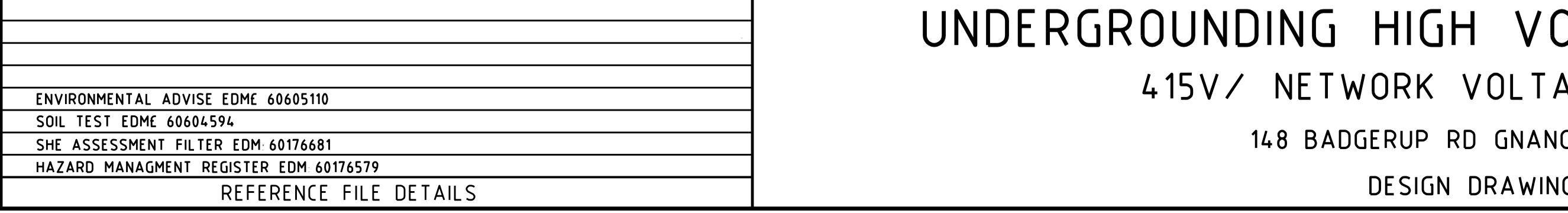
SITE LOCATION PLAN



DETAIL A



DETAIL B



DETAIL C

WESTERN POWER SCOPE OF WORK

- 1 REPLACE POLE S301126 WITH 12.5m/6kN POLE AT 7.5m NORTH EAST FROM NEW LOT BOUNDARY
 INSTALL HV TERMINATION XARM
 INSTALL LV ABC TERMINATION
 INSTALL GROUND STAY 19/200 AT 60°
 INSTALL EYEBOLT FOR OVERHEAD CUSTOMER SERVICE
 INSTALL 6mm 4C OVERHEAD CUSTOMER SERVICE TO PROPERTY E149 BADGERUP RD
 CU = PO2 x 1, HV5 x 1, CN1 x 3, AB3 x 1, RE7 x 1, ST1 x 1, CN7(13PH) x 35m, CN72 x 2, CN68(4 SERV) x 4
 DCSH = H09-1, A3, R14-1, R13-3-1, R11-2
- 2 REPLACE EXISTING POLE S301125 WITH NEW 14m/8kN POLE
 INSTALL HV INLINE STRAIN XARM
 TAP OVER HV CONDUCTORS
 INSTALL 22kV 100kVA TRANSFORMER
 INSTALL LV ABC TERMINATION
 INSTALL LV ABC BRACKET WITH EYEBOLT
 INSTALL 6mm 4C OVERHEAD CUSTOMER SERVICE TO PROPERTY E170 BADGERUP RD
 INSTALL 6mm 4C OVERHEAD CUSTOMER SERVICE TO PROPERTY E159 BADGERUP RD VIA NEW CARRY OVER POLE
 INSTALL 6mm 2C OVERHEAD STREETLIGHT WIRE TO NEW STREETLIGHT ON NEW POLE 1
 INSTALL GROUND STAY 19/200 AT 60°
 CU = PO11 x 1, HV9 x 1, CN1 x 6, TX4 x 1, AB3 x 1, ST1 x 1, CN9 x 6, CN70 x 6, CN39 x 1, RE8 x 1, CN7(13PH) x 75m, CN7(13PH) x 30m, CN72 x 4, CN68(4 SERV) x 4
 DCSH = H11-2V (EDME60646975), A1, A3, R14-1, R13-3-1, R11-2
- 3 INSTALL NEW 9.5m/5kN CARRY OVER POLE - NEW POLE 1
 INSTALL NEW 53W LED STREETLIGHT
 ATTACH OVERHEAD CUSTOMER SERVICE FROM POLE S301126 TO PROPERTY E159 BADGERUP RD
 TERMINATE NEW 6mm 2C OVERHEAD STREETLIGHT WIRE FROM POLE S301126
 CU = PO2 x 1, SL24 x 1, SL18 x 1, RE8 x 1, CN72 x 4
 DCSH = S20, R41
- 4 INSTALL NEW MINIPILLAR ADJACENT TO NEW LOT BOUNDARY
 CU = LU10 x 1
 DCSH = U08-1
- 5 INSTALL NEW 400HV CABLE FROM EXISTING 400HV CABLE TO POLE S301126 IN WESTERN POWER STANDARD CABLE ALIGNMENT MARK JOINT LOCATION ON ASCON DRAWING
 CU = CN53 x 230m, HU2 x 1, CN73 x 6, CN54 x 2
- 6 STRAIGHT JOINT NEW 400HV CABLE TO EXISTING 400HV CABLE
 CU = HU2 x 1
- 7 INSTALL 2 x 25LV CABLE FROM EXISTING 25LV CABLES TO NEW MINIPILLAR
 CU = CN42 x 10m, CN73 x 6
- 8 INSTALL 3 x 16SL CABLE FROM EXISTING 16SL CABLES TO NEW MINIPILLAR
 CU = CN41 x 15m, CN73 x 9
- 9 INSTALL 25LV CABLE FROM RELOCATED POLE S301126 TO NEW MINIPILLAR
 CU = CN42 x 25m, CN73 x 3
- 10 DISCONNECT ALL 25LV & 16SL CABLES AND REMOVE EXISTING PILLAR AND REMOVE EXISTING 25LV CABLE BETWEEN PILLAR AND POLE S301126
- 11 REDIRECT EXISTING 2 x 25LV & 3 x 16SL CABLES FROM EXISTING PILLAR AND STRAIGHT JOINT TO RESPECTIVE NEW 25LV & 16SL CABLES
 CU = LU8 x 2, LU13 x 3
- 12 TERMINATE 3 x 25LV CABLE TO NEW MINIPILLAR
- 13 TERMINATE 3 x 16SL CABLE TO NEW MINIPILLAR (VIA REDSPOT FUSE)
 CU = UM3 x 3
- 14 TERMINATE 25LV CABLE TO RELOCATED POLE S301126
 CU = LU50 x 1
 DCSH = U18
- 15 TERMINATE 400HV CABLE TO RELOCATED POLE S301126
 CU = HU16 x 1
 DCSH = H09-1
- 16 REMOVE ALL EXISTING AERIAL CONDUCTORS BETWEEN EXISTING POLE S301126 AND EXISTING POLE S301128
- 17 REMOVE EXISTING POLES S301128 AND S301127 AND ALL ASSOCIATED HARDWARE
- 18 CUT AND CAP EXISTING 400HV CABLE AT THE BASE OF POLE S301128 AND IN ROAD RESERVE IN OCEAN REEF DRIVE
 CU = CN73 x 2
- 19 ENVIRONMENTAL FILTER CHECKED

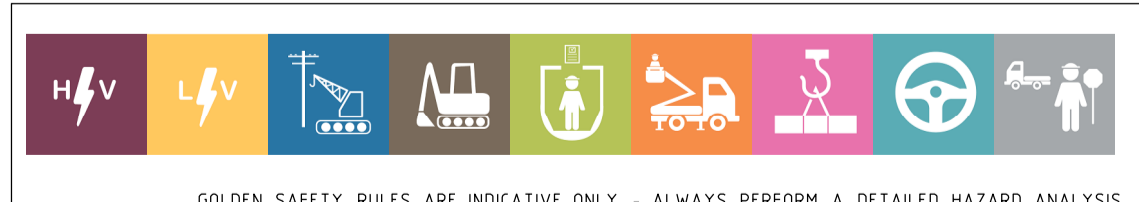
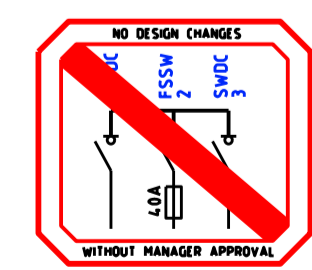
THE FOLLOWING ENVIRONMENTAL ISSUES HAVE BEEN IDENTIFIED FOR THIS PROJECT

- 1 THREATENED ECOLOGICAL COMMUNITIES
 NO CLEARING TO BE DONE WITHOUT A PERMIT SEE CUSTOMER NOTE C
- 2 ACID SULFATE SOILS
 THE GROUNDWATER AT THIS SITE IS UNKNOWN, NO DEWATERING PERMITTED WITHOUT A PLAN BEING IN PLACE AND COMPLIANCE WITH DEWATERING WORK INSTRUCTION (EDME 41913788) ALL EXCAVATIONS TO BE BACKFILLED WITHIN 18 HOURS

CUSTOMER'S SCOPE OF WORK

- A THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE WESTERN AUSTRALIAN SERVICE AND INSTALLATION REQUIREMENTS
- B CUSTOMER MUST COMPLY WITH POWER QUALITY LIMITS AS PER AS61000 3.6 AND WESTERN POWER TECHNICAL REQUIREMENTS
- C WORKS TO BE COMPLETED IN AN AREA WITH THREATENED ECOLOGICAL COMMUNITIES NO CLEARING TO BE DONE WITHOUT A PERMIT ALL PERMITS WILL BE THE CUSTOMERS RESPONSIBILITY TO OBTAIN AND WILL NEED TO BE PROVIDED TO WESTERN POWER PRIOR TO WORKS PROCEEDING
- D CUSTOMER TO PEG THE LOCATION OF THE NEW LOT BOUNDARY LINE PRIOR TO CONSTRUCTION COMMENCING
- E CUSTOMER TO OBTAIN APPROVAL FROM THE LOCAL GOVERNMENT AUTHORITY FOR INSTALLATION OF POLE S301126 AT THE PROPOSED LOCATION IN THE LOCAL GOVERNMENT ROAD RESERVE
- F CUSTOMER TO NEGOTIATE WITH THE LOCAL GOVERNMENT AUTHORITY TO DETERMINE AN APPROVED LOCATION FOR THE CARRY OVER POLE WITH A STREETLIGHT 'NEW POLE 1'

LEGEND	
SCHEME BDY	-----
RETAINING WALL	=====
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)	-----
PILLARS / PITS / ETC	
MINIPIPPAR END	UHS PIT
UNIVERSAL	UTILITIES PIT
MHI	100/200AMP CUTOUT
LINK	CONDUIT / POLY PIPE
CABLE MARKER U/G	
STREET LIGHTS	
EXISTING	
42W CFL	75W HPS
80W HPS	150W HPS
125W HPS	250W HPS
250W HPS AERODOME	4L LED
4L LED	8L LED
8L LED	16L LED
16L LED	32L LED
32L LED	64L LED
64L LED	128L LED
128L LED	256L LED
LEGEND DEFINES TYPE & WATTAGE - NOT COLOUR	
AERIAL CONDUCTORS AND POLES	
NEW POLE (ANY TYPE AS INDICATED)	EXISTING POLE (ANY TYPE AS INDICATED)
HY	LV
EXISTING AERIAL CONDUCTORS (SIZE AND TYPE INDICATED)	
OH EQUIPMENT	
INTERMEDIATE	PTS
DOF	HV ISOLATOR
INLINE STRAIN	LV DISCONNECTOR
PIT	ISOL TX
AERIAL STAY	OUTRIGGER STAY
RECLOSER	GROUND STAY
LOAD BREAK SWITCH	SECTIONALISER
CAPACITOR	LV ABC KRONE
	STREETLIGHT BOX



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

Rev	ISSUED FOR CONSTRUCTION	DRN	DATE
A	ISSUED FOR CONSTRUCTION	A C	04/22

REFERENCE FILE DETAILS
ENVIRONMENTAL ADVISE EDME 60605110
SOIL TEST EDME 60604594
SHE ASSESSMENT FILTER EDM 60176681
HAZARD MANAGEMENT REGISTER EDM 60176579

UNDERGROUNDING HIGH VOLTAGE ASSETS

415V / NETWORK VOLTAGE 22KV

148 BADGERUP RD GNANGARA

DESIGN DRAWING

CUSTOMER CONTACT DETAILS
 COMPANY NAME ECWA
 CONTACT MICHAEL ANILE TEL 04 39988739

westernpower
 DESIGNER CUSTOMER CONNECTION SERVICES
 TEL 13 10 87
 DATE 04/22 SCALE AS NOTED @ A1
 GEO REF Lat - 32°03'44" S Long - 117°44'38" E
 MAP REF:

DRAWING NUMBER
MP200750
 SHEET 1 OF 1
 REV A ORIGINAL SIZE - A1