

LEGEND	
ELECTRICAL AND LIGHTING	
—E(OH)—	ELECTRICAL OVERHEAD - DESIGN
—E(U)—	ELECTRICAL UNDERGROUND - DESIGN
○ <sup>EP</sup>	POLE - DESIGN
⊠	TRANSFORMER - DESIGN
*	LIGHT POLE - DESIGN
■ <sup>MSB</sup>	MAIN SWITCHBOARD (MSB)
- - - E(TL) - - -	EXISTING ELECTRICAL OVERHEAD - 66kv
- - - E(OH) - - -	EXISTING ELECTRICAL OVERHEAD - 33kv
○ <sup>EP</sup>	POLE - EXISTING
GENERAL	
[Red dashed box]	LAND ACQUISITION AREA
[Grid pattern]	WASTEWATER IRRIGATION AREA (IF REQUIRED)
[Red dashed line]	DCDB CADASTRE
[Red dashed line]	BOUNDARY SETBACKS
—X—	PERIMETER FENCE
[Blue dashed line]	WATERCOURSE - DIGITISED

**ELECTRICAL AND LIGHTING NOTES:**

- WHERE PRACTICAL UGL/CPB JV'S PREFERENCE IS TO CONNECT TO AN ERGON ENERGY SUPPLY RATHER THAN OPERATE THE CAMP FROM GENERATORS.
- ERGON ENERGY TO PROVIDE NEW POINT OF SUPPLY BY CONNECTING TO EXISTING 33kV OVERHEAD LINE ALONG THE WESTERN BOUNDARY OF THE SITE WHERE IT MEETS THE NORTHERN ACCESS ROAD. EARLY ENGAGEMENT WITH ERGON ENERGY IS UNDERWAY TO CONFIRM SUITABILITY OF THE PROPOSED CONNECTION POINT.
- EARLY ADVICE FROM ERGON INDICATES THAT 2x POLE MOUNTED TRANSFORMERS WILL BE NEEDED TO MEET EXPECTED 1000kVA DEMAND.
- PROPOSED GENERATOR LOCATION - GENERATORS ARE EXPECTED AS A BACK-UP SUPPLY (OR AS THE MAINS SUPPLY - REFER NOTE.2).
- CAR PARK LIGHTING TO BE PROVIDED IN ACCORDANCE WITH AS/NZS 1158.3.1 SUB-CATEGORY PC3. FOR THIS AREA LIGHTING IS EXPECTED TO CONSIST OF APPROXIMATELY EIGHT (8) X 6m POLES AT 35m SPACING AND LIGHTING ARRANGEMENT TO BE CONFIRMED.
- LIGHTING TO COMPLY WITH AS4282 CONTROL OF THE OBTRUSIVE EFFECTS OF OUTDOOR LIGHTING, ZONE A2 LOW DISTRICT BRIGHTNESS.
- GENERAL AREA LIGHTING WITHIN THE CONSTRUCTION CAMP TO BE PROVIDED FROM LIGHTING MOUNTED TO EACH PORTABLE BUILDING AND SUPPLEMENTED WHERE REQUIRED FOR WALKWAYS AND COMMON SPACES.

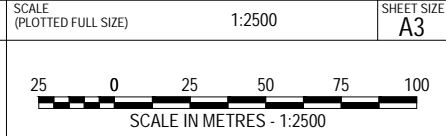
**-WARNING-**  
TO PROTECT THE ENVIRONMENT, CLEARING SHALL BE IN ACCORDANCE WITH THE SPECIFICATION AND CONFINED TO THAT REQUIRED FOR EARTHWORKS, DRAINAGE AND FENCING. EXISTING TREES, SHRUBS AND GRASSES NOT AFFECTED BY THE ABOVE WORKS SHALL BE RETAINED AND DISTURBED AS LITTLE AS POSSIBLE.

**-WARNING-**  
BEWARE OF UNDERGROUND SERVICES  
THE LOCATION OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THE EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL SERVICES ARE SHOWN.

REFERENCE FILES ATTACHED: CU2-HU00-XRF-PAS-100-1950- CU2-HU00-XRF-PAS-100-1850- CU2-HU00-XRF-PAS-100-1155- CU2-HU00-XRF-PAS-100-1115- CU2-HU00-XRF-PAS-100-1190

DRAWING REVISION HISTORY				
No.	DESCRIPTION	DRAWN	DESIGNED	REVIEWED
1	REVISION UPDATE - ISSUE FOR APPROVAL	D.McKenzie	C.Squires	A.Bool
0	ISSUE FOR APPROVAL	D.McKenzie	C.Squires	C.Squires

APPROVED  
ORIGINAL COPY ON FILE  
"e" SIGNED BY  
Chris Squires RPEQ 22749  
SIGNED  
DATE 08/09/2023



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CLIENT UGL / CPB JV  
PROJECT COPPERSTRING 2032 - CAMPS CONSTRUCTION FACILITIES  
STATUS FOR APPROVAL

DRAWING TITLE HUGHENDEN - CAMP & LAYDOWN ELECTRICAL AND LIGHTING PLAN  
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