

# KOJONUP BESS - PROJECT AREA AND INDICATIVE LAYOUT

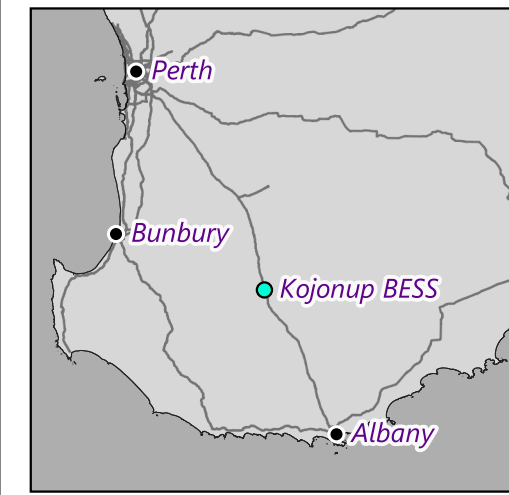
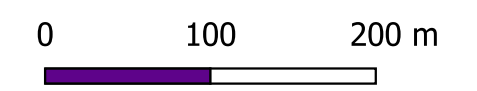


## Indicative Project Infrastructure

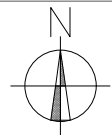
- Project area
- Western Power land
- BESS bench
- BESS substation bench
- Underground cable
- Access track
- Detention basin
- Landscape screening
- O&M building and carpark
- Water tank
- Security fence

## Existing Infrastructure

- Kojonup Substation
- Existing 66kV transmission line
- Existing 132kV transmission line
- Roads



**Project:** Kojonup BESS, Layout: DA - Indicative Layout  
**Version:** B  
**Size:** A3  
**Scale:** 1: 4570  
**Date:** 31/03/2026  
**Author:** Liam Dowsett-Clark  
**CRS:** GDA2020 / MGA zone 50 (EPSG:7850)  
**Path:** Mint Renewables - GIS\WA\Projects\Kojonup BESS\Kojonup BESS.qgz



- NOTES:**
1. Layout is indicative and for planning purposes only, subject to equipment selection.
  2. All dimensions are in metres (m), unless noted otherwise.
  3. The route of the underground cable and associated easement connecting the Project Substation to the existing Kojonup Substation is indicative only. Exact grid connections and configuration to be confirmed by Western Power.
  4. Indicative permanent infrastructure shown on this plan.
  5. Water basin designed to meet volume requirements. Final volumes and configuration to be calculated in detailed design phase.
  6. The Main access point for the Project will be a new access point off Collie-Changerup Road, with a new secondary access proposed off Tunney Road.



INDICATIVE NEW UNDERGROUND CONNECTION ROUTE APPROX. 515m

WESTERN POWER LAND AREA

3194/P227649

3194/P227649

103/P060512

**LEGEND**

	SITE ACCESS GATE
	PROPOSED NEW ACCESS TRACK
	BATTERY CONTAINER
	POWER CONVERSION SYSTEM UNIT (PCS)
	EXISTING OVERHEAD LINE
	EXISTING OVERHEAD LINE EASEMENT
	PROPERTY BOUNDARY
	PROPOSED NEW CONNECTION ROUTE
	PROPOSED WATER TANK
	PROPOSED O&M BUILDING AND CAR PARK AREA
	PROPOSED SECURITY FENCE
	EXISTING SUBSTATION
	PROPOSED LANDSCAPE SCREENING (APPROX. 5m WIDE)
	PROPOSED LANDSCAPE SCREENING (APPROX. 3m WIDE)
	INTERNAL ACCESS TRACK
	PROPOSED SUBSTATION AREA
	PROPOSED WATER DETENTION BASIN AREA

REVISIONS					
REV	STATUS	DESCRIPTION	DATE	D.B.	C.B.
A	DA	INITIAL ISSUE	10/02/26	X.Z	S.Y
B	DA	DETAIL AMENDED	19/02/26	X.Z	S.Y
C	DA	DETAIL AMENDED	03/03/26	X.Z	S.Y
D	DA	DETAIL AMENDED	10/03/26	X.Z	S.Y
E	DA	DETAILS INFORMATION AMENDED	23/03/26	X.Z	S.Y
F	DA	NOTES AMENDED	25/03/26	X.Z	S.Y

<b>PROJECT DETAILS:</b>	
<b>KOJONUP BESS</b>	
Collie-Changerup Rd, Kojonup WA 6395 -33.804452, 117.136471	
<b>PROJECT DEVELOPER:</b>	
<b>MINT RENEWABLES</b>	
<b>DRAWING TITLE:</b>	
<b>INDICATIVE PROJECT LAYOUT</b>	

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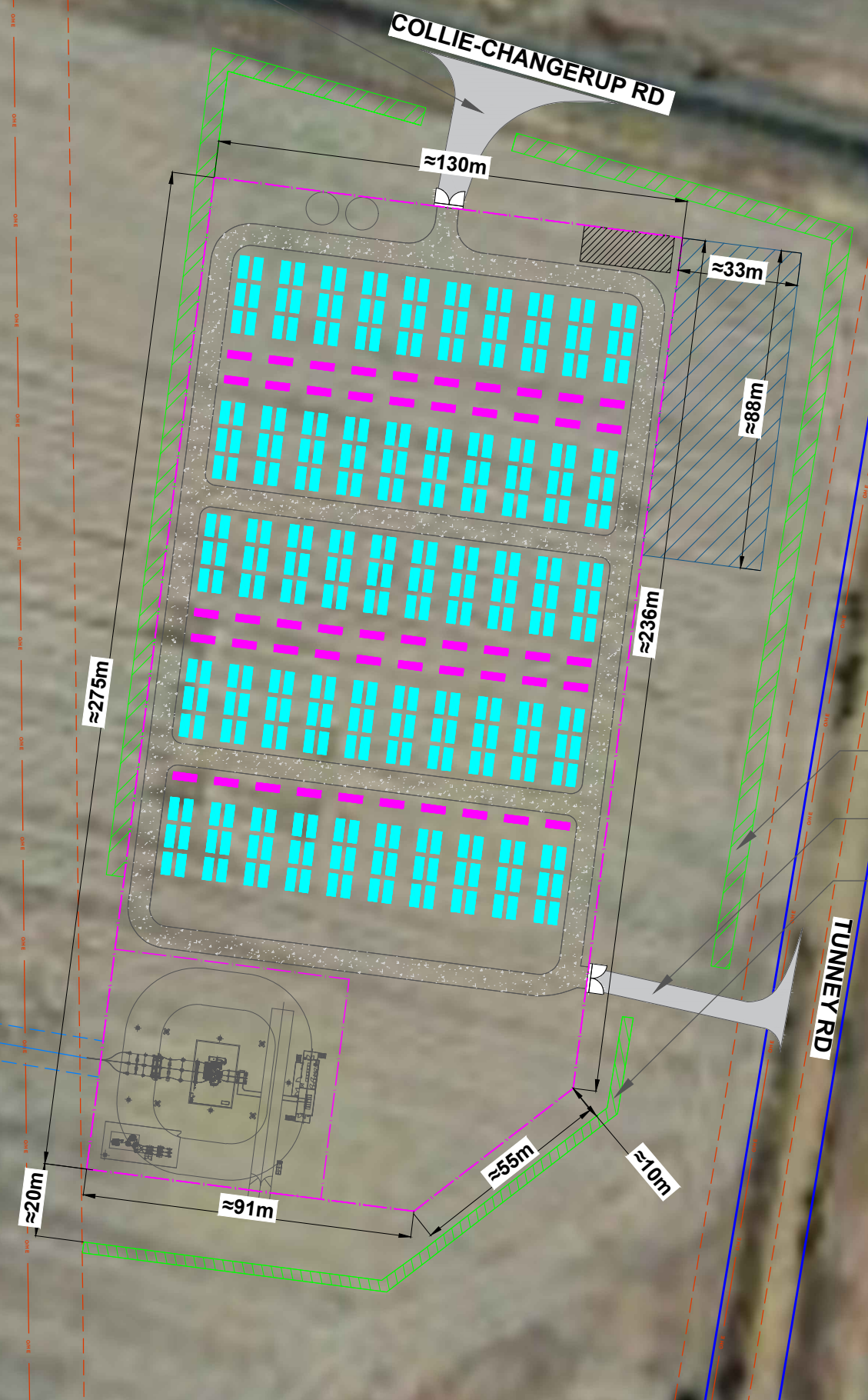
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DRAWN BY:	APPROVED BY:	PROJECT MANAGER:
X.Z	S.Y	K.D
SCALE:	ISSUE:	ISSUE DATE:
NOT SCALED	CONCEPT PLAN	25/03/2026
SHEET SIZE:	CONCEPT ONLY NOT FOR CONSTRUCTION PURPOSE	REV. NO:
A3		F

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X.Z	S.Y	K.D
SCALE:	ISSUE:	ISSUE DATE:
NOT SCALED	CONCEPT PLAN	25/03/2026
SHEET SIZE:	CONCEPT ONLY NOT FOR CONSTRUCTION PURPOSE	REV. NO:
A3		F





PROPOSED MAIN ACCESS TRACK APPROX. 42m



INDICATIVE LANDSCAPE SCREENING AREA (APPROX. 5m WIDE)

PROPOSED SECONDARY ACCESS TRACK APPROX. 55m

INDICATIVE LANDSCAPE SCREENING AREA (APPROX. 3m WIDE)

LEGEND			
	SITE ACCESS GATE		PROPOSED SECURITY FENCE
	PROPOSED NEW ACCESS TRACK		EXISTING SUBSTATION
	BATTERY CONTAINER		PROPOSED LANDSCAPE SCREENING (APPROX. 5m WIDE)
	POWER CONVERSION SYSTEM UNIT (PCS)		PROPOSED LANDSCAPE SCREENING (APPROX. 3m WIDE)
	EXISTING OVERHEAD LINE		INTERNAL ACCESS TRACK
	EXISTING OVERHEAD LINE EASEMENT		PROPOSED SUBSTATION AREA
	PROPERTY BOUNDARY		PROPOSED WATER DETENTION BASIN AREA
	PROPOSED NEW CONNECTION ROUTE		
	PROPOSED WATER TANK		
	PROPOSED O&M BUILDING AND CAR PARK AREA		

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PROJECT DETAILS:

**KOJONUP BESS**  
Collie-Changerup Rd, Kojonup WA 6395  
-33.804452, 117.136471

PROJECT DEVELOPER:  
**MINT RENEWABLES**

DRAWING TITLE:  
**INDICATIVE SITE LAYOUT**

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DA-2.0\_F\_KOJONUP

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APPROVED BY: S.Y  
PROJECT MANAGER: K.D

SCALE: NOT SCALED  
ISSUE: CONCEPT PLAN  
ISSUE DATE: 25/03/2026

SHEET SIZE: A3  
CONCEPT ONLY NOT FOR CONSTRUCTION PURPOSE  
REV. NO: F

DA-2.0\_F\_KOJONUP

DRAWN BY: X.Z  
APPROVED BY: S.Y  
PROJECT MANAGER: K.D

SCALE: NOT SCALED  
ISSUE: CONCEPT PLAN  
ISSUE DATE: 25/03/2026

SHEET SIZE: A3  
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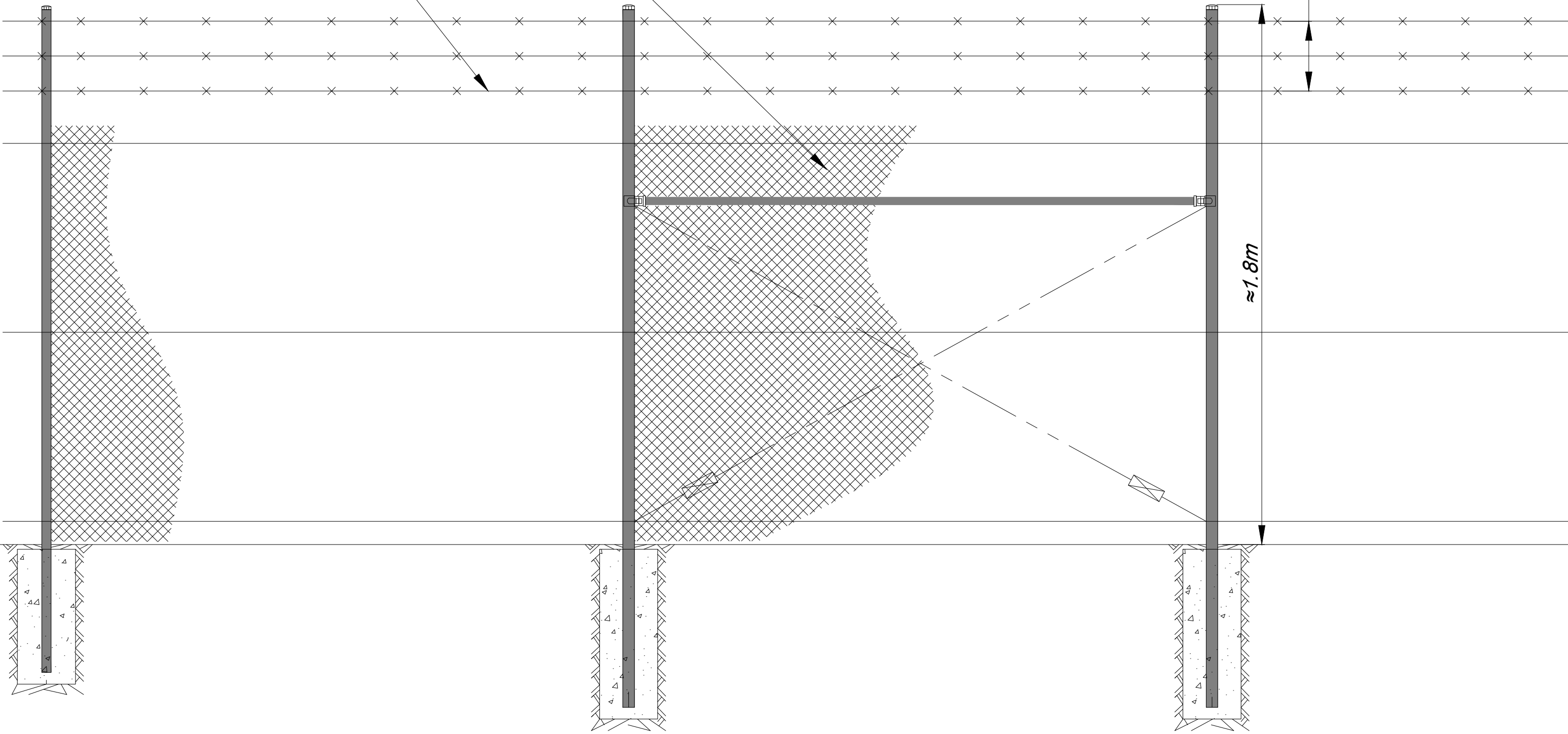


# SECURITY FENCE FRONT VIEW

**BESS SECURITY FENCE**  
 (APPROX. 1.8m HIGH, CHAIN MESH SECURITY FENCE,  
 GALVANIZED STEEL)

**3 STANDARD BARBED WIRE**

*TBC IN DETAIL DESIGN*



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**PROJECT DETAILS:**  
**KOJONUP BESS**  
 Collie-Changerup Rd, Kojonup WA 6395  
 -35.804452, 117.136471

**PROJECT DEVELOPER:**  
**MINT RENEWABLES**

**DRAWING TITLE:**  
**INDICATIVE SECURITY FENCE ELEVATIONS**

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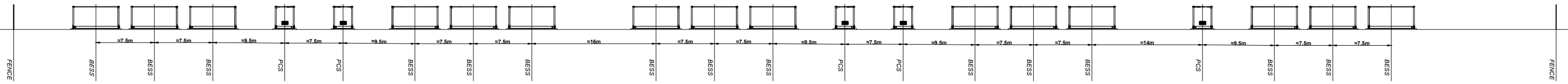
**LEGEND:**

BESS - BATTERY ENERGY STORAGE SYSTEM CONTAINERS

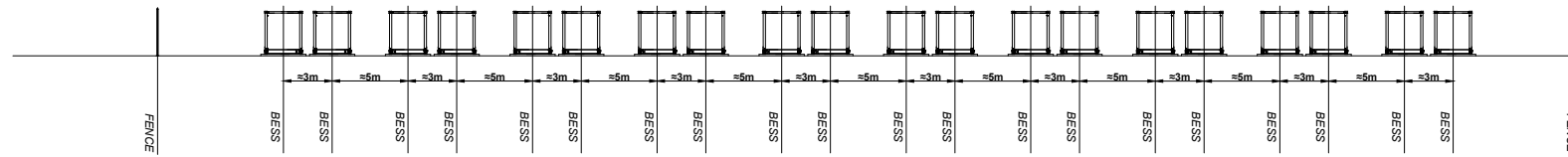
PCS - POWER CONVERSION SYSTEM CONTAINERS

FENCE - INDICATIVE SECURITY FENCE

ELEVATION A  
DA4.0



ELEVATION B  
DA4.0



**REVISIONS**

REV	STATUS	DESCRIPTION	DATE	D.B.	C.B.
A	DA	INITIAL ISSUE	26/03/26	X.Z	S.Y

**PROJECT DETAILS:**

**KOJONUP BESS**

Collie-Changerup Rd, Kojonup WA 6395  
-33.804452, 117.136471

**PROJECT DEVELOPER:**

**MINT RENEWABLES**

**DRAWING TITLE:**

**INDICATIVE SITE ELEVATION**

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**DA-5.0\_A\_KOJONUP**

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SCALE : NOT SCALED	ISSUE : CONCEPT PLAN	ISSUE DATE : 26/03/2026
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132kV CLEARANCES

SECTION CLEARANCE (S) = 3870mm  
 GROUND CLEARANCE (G) = 2440mm  
 PHASE - PHASE (P-P) = 1495mm  
 PHASE - EARTH (P-E) = 1300mm

132kV CONDUCTOR

INTERPLANT - TWIN VENUS

33kV CLEARANCES

SECTION CLEARANCE (S) = 2860mm  
 GROUND CLEARANCE (G) = 2440mm  
 PHASE - PHASE (P-P) = 440mm  
 PHASE - EARTH (P-E) = 380mm

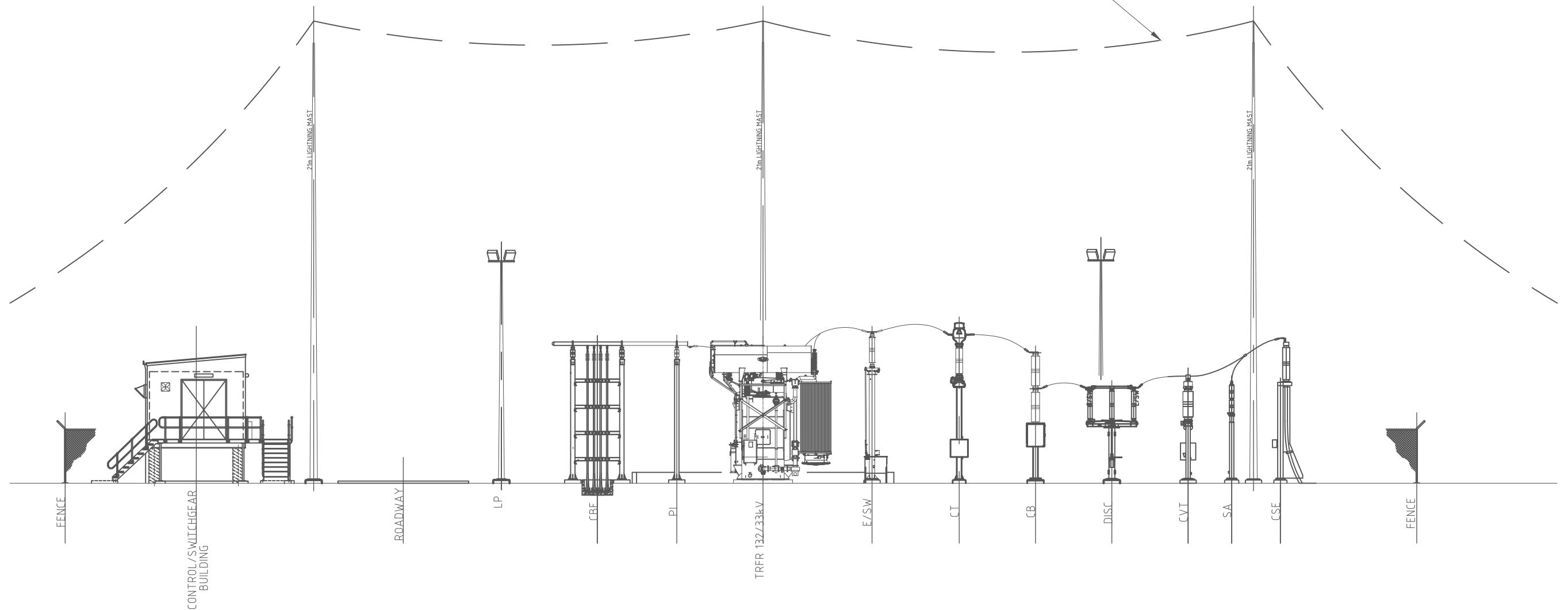
33kV CONDUCTOR

INTERPLANT - TRIPLE VENUS  
 TUBULAR BUS - 160φ x 6 Al

LEGEND:

- TRFR - POWER TRANSFORMER
- NET - NEUTRAL EARTHING TRANSFORMER
- GEN - GENERATOR
- BSEP - OIL/WATER SEPARATOR
- DISC - DISCONNECTOR
- E/SW - EARTH SWITCH
- CVT - CAPACITIVE VOLTAGE TRANSFORMER
- CB - CIRCUIT BREAKER
- DTCB - DEAD TANK CIRCUIT BREAKER
- SA - SURGE ARRESTER
- CSE - CABLE SEALING END
- PI - POST INSULATOR
- LP - LIGHTING POLE
- LM - LIGHTNING MAST
- RPC - REACTIVE POWER COMPENSATION

LIGHTNING INTERCEPTION PROTECTION ZONE USING ROLLING SPHERE METHOD. 45m SPHERE RADIUS FOR LEVEL 3 PROTECTION TO AS/NZ 1768



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Collie-Changerup Rd, Kojonup WA 6395 -33.804452, 117.136471	
PROJECT DEVELOPER:	
<b>MINT RENEWABLES</b>	
DRAWING TITLE:	
<b>INDICATIVE EQUIPMENT ELEVATION</b>	

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**132kV CONDUCTOR**

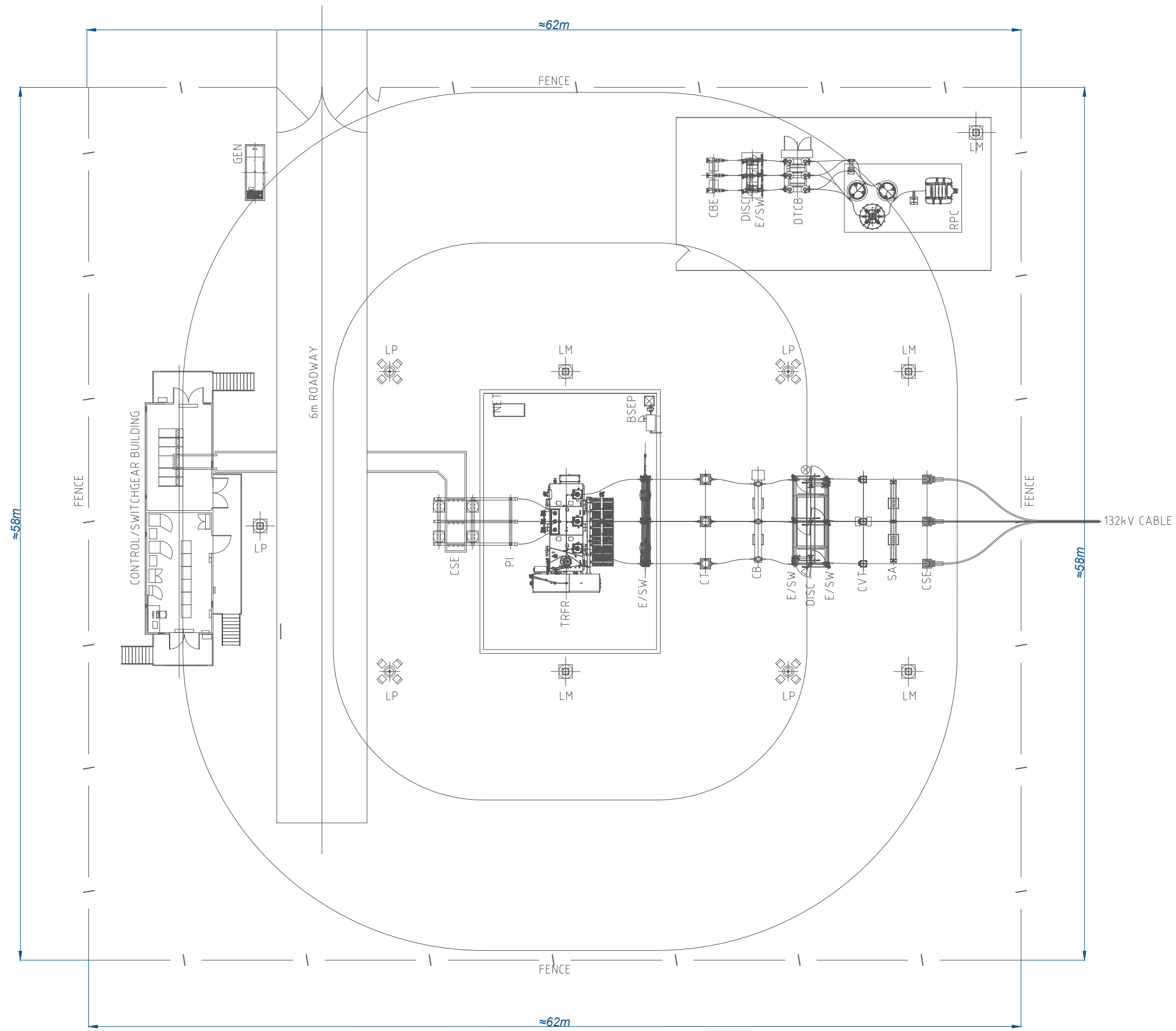
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- TUBULAR BUS - 160φ x 6 Al



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<b>PROJECT DEVELOPER:</b>	
<b>MINT RENEWABLES</b>	
<b>DRAWING TITLE:</b>	
<b>INDICATIVE SUBSTATION GENERAL ARRANGEMENT</b>	

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<b>DA-7.0_C_KOJONUP</b>		
<b>DRAWN BY :</b> X.Z	<b>APPROVED BY :</b> S.Y	<b>PROJECT MANAGER :</b> K.D
<b>SCALE :</b> NOT SCALED	<b>ISSUE :</b> CONCEPT PLAN	<b>ISSUE DATE :</b> 26/03/2026
<b>SHEET SIZE:</b> A3	<b>CONCEPT ONLY NOT FOR CONSTRUCTION PURPOSE</b>	<b>REV. NO:</b> C

