

Tallawang Solar Farm

August 2025

potentia
energy



Acknowledgement of Country

We begin by recognising the Wiradjuri people as the Traditional Custodians of the land on which the Tallawang Solar Farm is situated.

We pay our respects to their Elders past and present, and extend that respect to all Aboriginal and Torres Strait Islander peoples.

Most of the woodland is retained on-site to support biodiversity and reduce visual impact.

Strategically locating the Development Footprint on Category 1 Exempt Land.

Adjoining neighbours informed of the proposed Shared Benefit Scheme.

Project layout avoided third-order and higher creek lines.

Panels set back at least 500m from the highway to reduce amenity impacts.

Located temporary laydown areas away from the access point along the Castlereagh Highway.

Proposed landscaping to reduce visual impacts from neighbouring properties.

Project access shifted from Puggoon Road to Castlereagh Highway.

Heritage hut buffer increased from 20m to 30m in response to agency feedback.

On-site firefighting water storage increased from 40kL to 100kL following agency consultation.

Phase 1: Pre Scoping

Phase 2: Prior to EIS

Phase 3: Post-EIS Submissions

Phase 4: Request for Info

Neighbourhood Deed negotiated with key neighbour to implement landscaping on their property.

Opportunities for biodiversity stewardship explored with host and neighbouring landowners.

Potential Archaeological Deposits avoided through site design.

Access point relocated 200m south (away from Jenkins Lane) following consultation with TfNSW.

The Northern substation option was removed in favour of a central location to reduce the visual impact from the northwest.

Realigned site security fence to improve wildlife connectivity.

Realignment of the security fencing to minimise ecological disturbance.

Barbed wire was removed from the security fence design to minimise risks to wildlife.

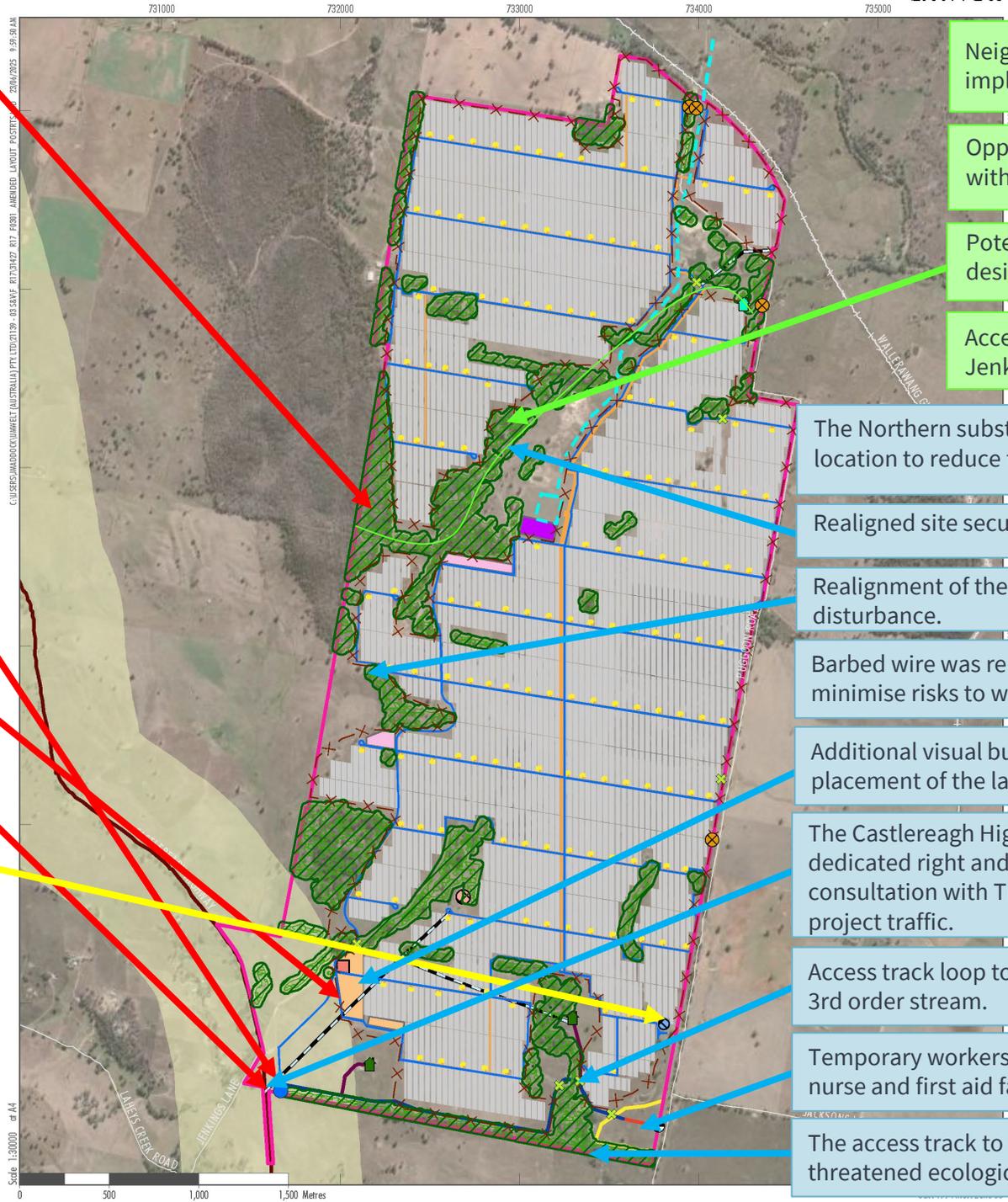
Additional visual buffer from Castlereagh Highway through the placement of the lay down area in this location.

The Castlereagh Highway intersection was redesigned to include dedicated right and left-turn lanes, with dimensions agreed in consultation with Transport for NSW to safely accommodate increased project traffic.

Access track loop to avoid threatened ecological communities and 3rd order stream.

Temporary workers' accommodation camp included, with on-site nurse and first aid facilities proposed.

The access track to the accommodation camp was redesigned to avoid threatened ecological communities within the Council road corridor.



C:\USERS\JADOC\AUHMET (AUSTRALIA) P\PL\12012139 - 03.SKVF_R173\SKZ7_R17_FINAL_AMBLIED_LAYOUT_POSTKEYS.DWG 28/04/2025 9:59:59 AM

Scale 1:30000 or A4

Grazing and agriculture

- No land within the project area meets the criteria for Biophysical Strategic Agricultural Land.
- A Land and Soil Capability assessment classified the site as Class 4 and Class 6 land — about 1,093 hectares and 201 hectares respectively — indicating moderate to very high limitations for intensive agricultural use.
- The site was estimated to have around 400 hectares of marginal cropping land that will no longer be used.
- Sheep grazing will continue during operations to maintain productivity, and the land will be returned to agricultural use after decommissioning.

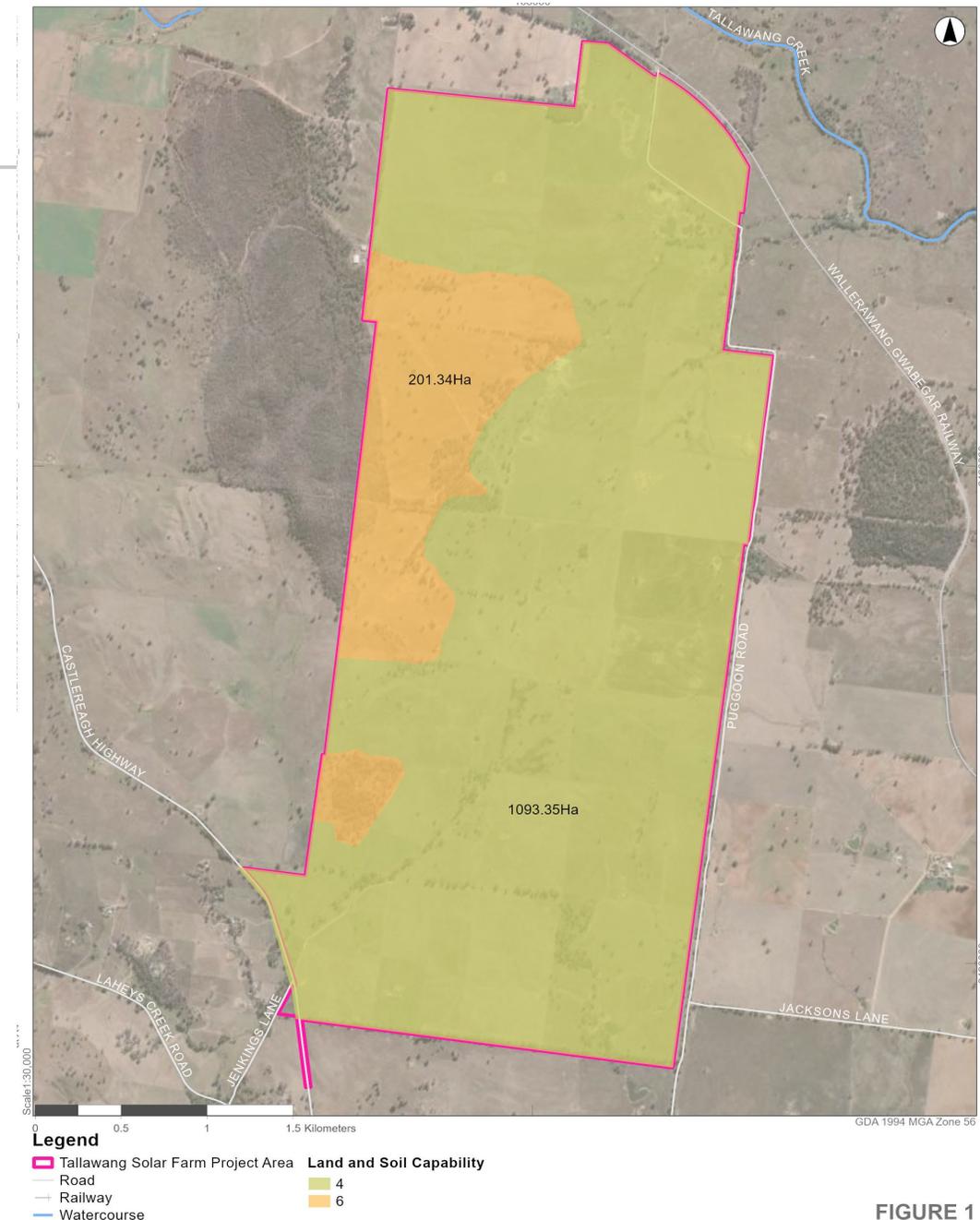


FIGURE 1

Confirmed Land and Soil Capability

Community & Economic Benefits

- **Neighbouring Landowners:** Annual payments anticipated to 15 eligible landholders for 30 years in accordance with the NSW Benefit Sharing Guidelines 2024. This is a voluntary scheme for proximal neighbours, co-designed with neighbours, and is distinct from impact-related agreements with neighbours.
- **Mid-Western Regional Council & Community (VPA):** \$425,000/year or \$850/MW (~\$14.9M over 35 years); The VPA is finalised and awaiting execution by both parties.
- **Local Sponsorships:** \$140,000 since 2022 to community groups and events.
- **Education:** Partnership with Red Hill Environmental Education Centre for financial support and excursion programs during operations.
- **First Nations:** Wellington Valley Wiradjuri Aboriginal Corporation - 30-year partnership agreement with annual payments.
- **Community & Employment (REZ Access Fee)**

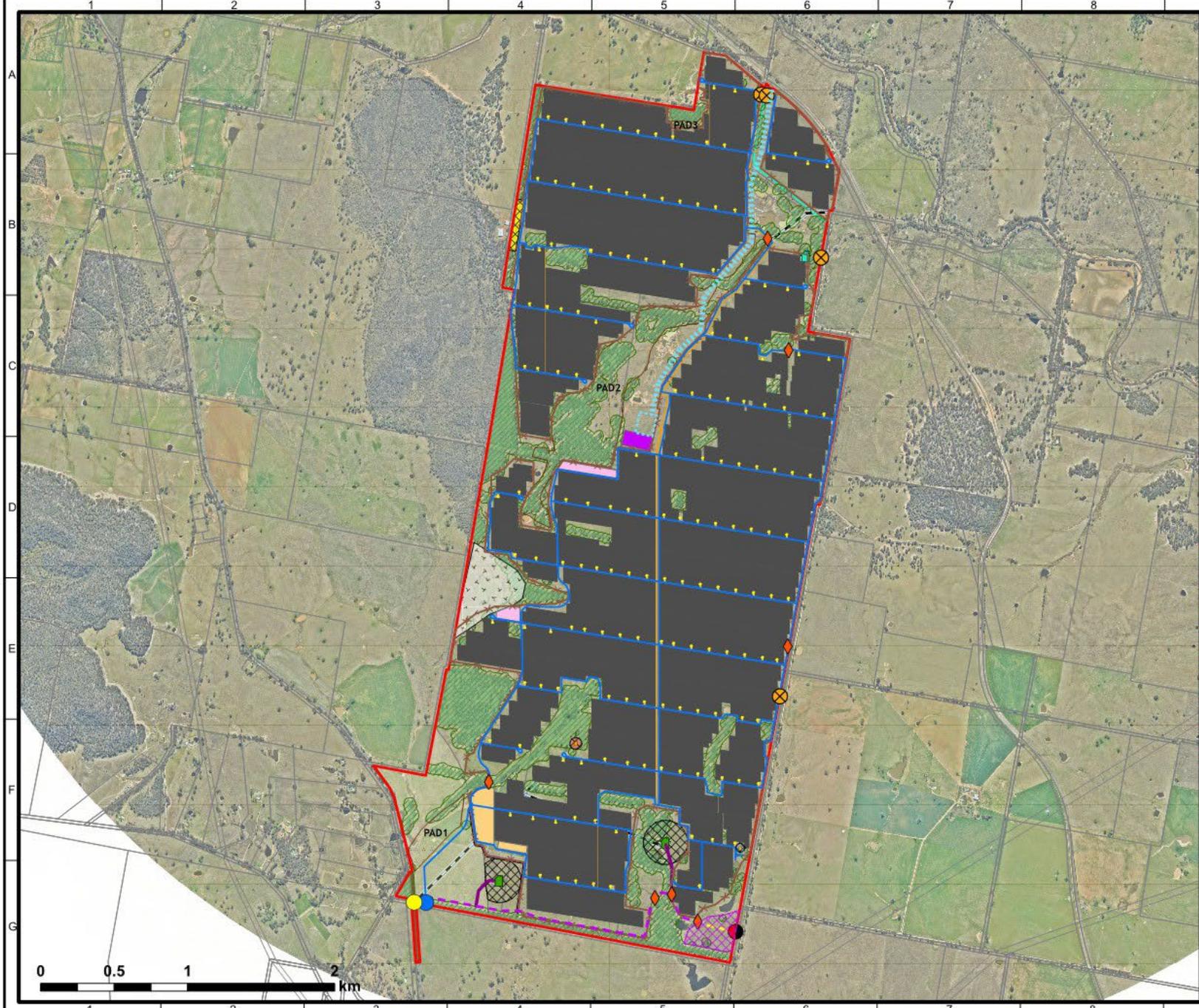
Economic impact

Phase	Direct Jobs	Indirect Jobs	Local Economic Benefit
Construction	Avg. 230 FTE (peak 420)	370 FTE	\$195M local + \$24.6M from non-locals
Operation	13 FTE	8 FTE	\$180M over 35 years (wages, services, payments)



**POWER
FOR
GOOD**

Thank you



TALLAWANG SOLAR FARM

FIGURE 2.1

SITE LAYOUT WITH CONSTRAINTS

SOURCE DATA © NEW SOUTH WALES CROWN (SPATIAL SERVICES, DEPARTMENT OF CUSTOMER SERVICE)

- PROPOSED SINGLE AXIS TRACKER
- ACCOMMODATION CAMP
- BESS AND DC-DC COUPLED PCS WITH HARDSTANDING
- PROPOSED MV RETICULATION
- PROPOSED ACCESS TRACK
- ACCOMMODATION ACCESS (PROPOSED SEALED ROAD)
- PROPOSED O&M FACILITY
- CONSTRUCTION COMPOUND
- TEMPORARY LAYDOWN
- PROPOSED SUBSTATION
- GRID CONNECTION INFRASTRUCTURE
- PRIMARY PROJECT ACCESS
- PROPOSED INTERSECTION UPGRADE
- SECONDARY ACCESS
- TWA DEDICATED EMERGENCY ACCESS
- WATER CROSSING
- SECURITY FENCE
- INDICATIVE LANDOWNER ACCESS TRACK
- POST CONSTRUCTION LANDOWNER ACCESS
- PROPOSED LANDSCAPING AREA
- INVOLVED DWELLING
- INVOLVED UNOCCUPIED DWELLING
- DWELLING EXCLUSION ZONE
- LANDOWNER EXCLUSION ZONE
- ROCKY OUTCROP
- HERITAGE HUT (UMMELT)
- CULTURAL HERITAGE HUT BUFFER, 30m
- CULTURAL HERITAGE HUT BUFFER, 40m
- NATIVE VEGETATION (LAWBELT)
- NATIVE VEGETATION BUFFER, 20m
- CULTURAL HERITAGE AREA (UMMELT)
- STATE ROAD
- LOCAL ROAD
- STATE ROAD (HIGHWAY) BUFFER, 50m
- 23kV DISTRIBUTION LINE TO BE REROUTED WHERE NECESSARY
- PROJECT AREA BOUNDARY
- NSW CADASTRE (2022-10-06)



N.B. LAYOUT IS INDICATIVE AND SUBJECT TO CHANGE, BUT WILL GENERALLY BE IN ACCORDANCE WITH THE DRAWING. Page 1

LAYOUT OWN: N/A LAYOUT NO.: INFRASTRUCTURE13_20240403

ORDERING NUMBER: **04651-RES-IMP-DR-PT-001**

SCALE - 1:25,000 @ A3

COORDS: GDA 1994 MGA Zone 55

PLANNING PERMIT APPLICATION

THIS DRAWING IS THE PROPERTY OF RES AUSTRALIA PTY LTD AND NO REPRODUCTION MAY BE MADE IN WHOLE OR IN PART WITHOUT PERMISSION

SUITE 6.01, LEVEL 6
165 WALKER STREET,
NORTH SYDNEY, NSW 2060
EMAIL: info-australia@res-group.com





- Phase 1: Pre Scoping
- Phase 2: Prior to EIS
- Phase 3: Post-EIS Submissions
- Phase 4: Request for Info

- Most of the woodland is retained on-site to support biodiversity and reduce visual impact.
- Panels set back at least 500m from the highway to reduce visual impact.
- Strategically locating the Development Footprint on Category 1 Exempt Land.
- Adjoining neighbours informed of the proposed Shared Benefit Scheme.
- Project layout avoided third-order and higher creek lines.
- Located temporary laydown areas away from the access point along the Castlereagh Highway.
- Proposed landscaping to reduce visual impacts from neighbouring properties.
- Project access shifted from Puggoon Road to Castlereagh Highway.
- Heritage hut buffer increased from 20 m to 30 m in response to agency feedback.
- On-site firefighting water storage increased from 40 kL to 100 kL following agency consultation.

- Neighbourhood Deed negotiated with key neighbour to implement landscaping on their property.
- Opportunities for biodiversity stewardship explored with host and neighbouring landowners.
- Potential Archaeological Deposits avoided through site design.
- Access point relocated 200m south (away from Jenkins Lane) following consultation with TfNSW.

- The Northern substation option was removed in favour of a central location to reduce the visual impact from the northeast.
- Realigned site security fence to improve wildlife connectivity.
- Realignment of the security fencing to minimise ecological disturbance.

- Barbed wire was removed from the security fence design to minimise risks to wildlife.
- Additional visual buffer from Castlereagh Highway through the placement of the lay down area in this location.
- The Castlereagh Highway intersection was redesigned to include dedicated right and left-turn lanes, with dimensions agreed in consultation with Transport for NSW to safely accommodate increased project traffic.

- Access track loop to avoid threatened ecological communities and 3rd order stream.
- Temporary Workers' Accommodation included, with on-site nurse and first aid facilities proposed.
- The access track to the accommodation camp was redesigned to avoid threatened ecological communities within the Council road corridor.



TALLAWANG SOLAR FARM

PROJECT DESIGN CHANGES, COMMITMENTS AND COMMUNITY RESPONSES

SOURCE DATA © NEW SOUTH WALES CROWN (SPATIAL SERVICES, DEPARTMENT OF CUSTOMER SERVICE).

- PROPOSED SINGLE AXIS TRACKER
- ACCOMMODATION CAMP
- BESS AND DC/DC COUPLED PCS WITH HARVESTING
- PROPOSED BM RESTORATION
- PROPOSED ACCESS TRACK
- ACCOMMODATION ACCESS (PROPOSED SEALED ROAD)
- TEMPORARY LAYDOWN
- PROPOSED O&M FACILITY
- CONSTRUCTION COMPOUND
- PROPOSED SUBSTATION
- GRID CONNECTION INFRASTRUCTURE
- PRIMARY PROJECT ACCESS
- PROPOSED INTERSECTION UPGRADE
- SECONDARY ACCESS
- DEDICATED EMERGENCY ACCESS
- SECURITY FENCE
- INDICATIVE LANDOWNER ACCESS TRACK
- POST CONSTRUCTION LANDOWNER ACCESS
- PROPOSED LANDSCAPING AREA
- INVOLVED, UNOCCUPIED DWELLING
- INVOLVED DWELLING
- DWELLING EXCLUSION ZONE
- LANDOWNER EXCLUSION ZONE
- RIGIDY OUTCROP
- CULTURAL HERITAGE H/UT (AMWELT)
- CULTURAL HERITAGE H/UT BUFFER, 30M
- CULTURAL HERITAGE H/UT BUFFER, 45M
- CULTURAL HERITAGE AREA (AMWELT)
- WILDLIFE CORRIDOR
- NATIVE VEGETATION (AMWELT)
- NATIVE VEGETATION BUFFER, 20M
- STATE ROAD
- LOCAL ROAD
- STATE ROAD (HIGHWAY) BUFFER, 300M
- 20KV DISTRIBUTION LINE (TO BE REROUTED WHERE NECESSARY)
- PROJECT AREA BOUNDARY
- NSW CADASTRE (2017-10-04)

ALL FEATURES AS SHOWN ON 04651-RES-IMP-DR-PT-001.

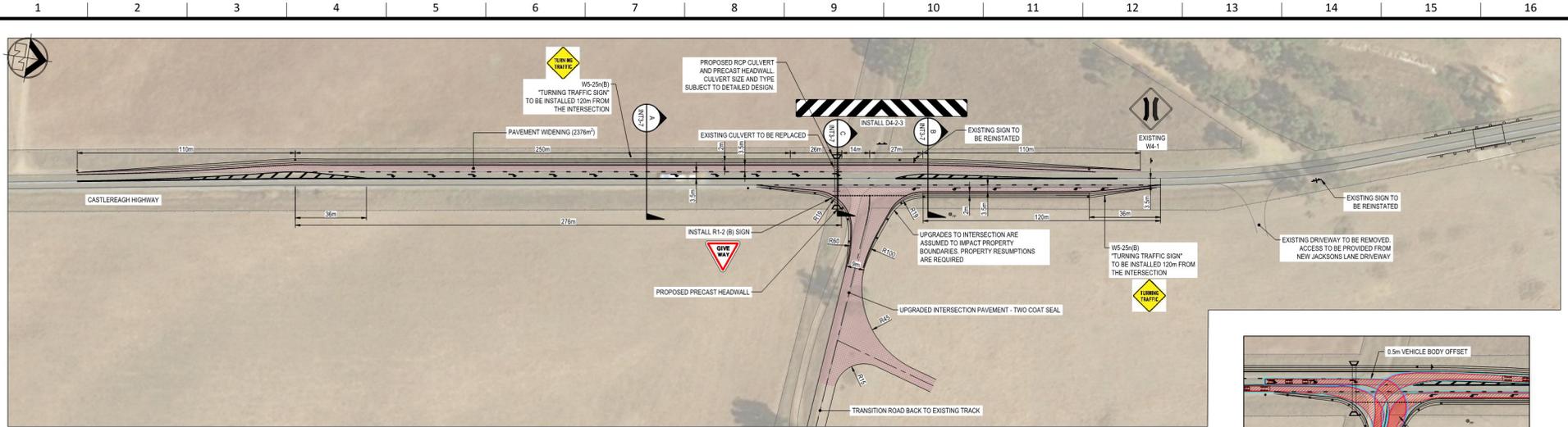
LAYOUT DATE: N/A | LAYOUT NO: N/A

DRAWING NUMBER: **04651-RES-MAP-DR-TE-008**

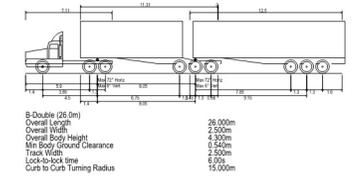
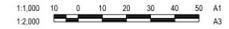
SCALE - 1:25,000 @ A3

COORDS: GDA 1994 MGA Zone 55

THIS DRAWING IS THE PROPERTY OF RES AUSTRALIA PTY LTD AND NO REPRODUCTION MAY BE MADE IN WHOLE OR IN PART WITHOUT PERMISSION

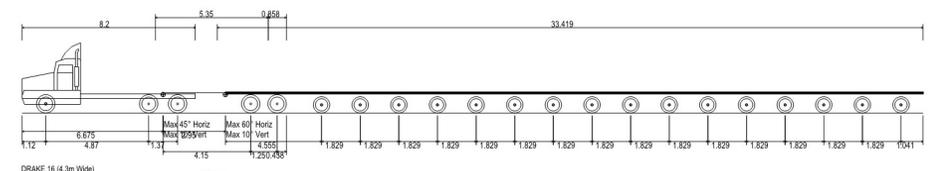


CASTLEREAGH HIGHWAY / SOLAR FARM ACCESS INTERSECTION PLAN - CHR / AUL



26.0m B-DOUBLE

NTS



16 ROW - WITH DOLLY

NTS

NOTES

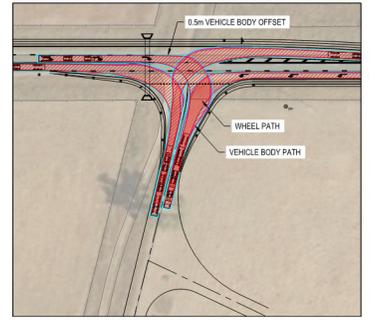
- CLEARING OF VEGETATION SHALL ONLY BE PERFORMED AFTER RELEVANT AUTHORITY APPROVALS ARE OBTAINED, IF REQUIRED FOR ROAD UPGRADE.
- TOPOGRAPHICAL FEATURE AND CADASTRAL SURVEY TO BE CARRIED OUT ADJACENT TO INTERSECTION PRIOR TO DETAILED DESIGN.
- CULVERT IS SHOWN INDICATIVELY ONLY. EXISTING CULVERT SIZE HAS NOT BEEN CONFIRMED. NO HYDROLOGY OR HYDRAULICS HAVE BEEN UNDERTAKEN ON THE PROPOSED CULVERT. THE CULVERT CROSS SECTION IS GENERIC ONLY.

LEGEND

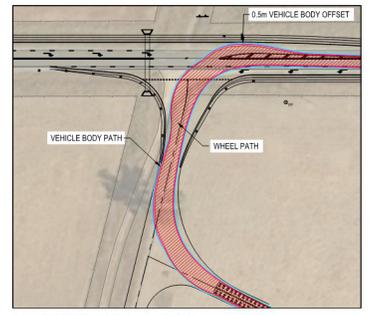
- EXISTING FENCE LINE
- REMOVABLE GUIDE POST
- REMOVABLE SIGN
- EXISTING POWER POLE
- PROPOSED SEALED WIDENING
- PROPOSED UNSEALED ROAD UPGRADE

PAVEMENT MARKINGS

LINE	TYPE	PATTERN AND DIMENSIONS	LINE WIDTH
BARRIER LINES	BB	3000 STRIPE AND 9000 GAP	100
BARRIER LINES	BS	600 STRIPE AND 600 GAP	100
GIVE WAY LINES	TB	600 STRIPE AND 600 GAP	300
GIVE WAY LINES	TB1	600 STRIPE AND 600 GAP	150
SEPERATION LINE	S1	3000 STRIPE AND 9000 GAP	100
EDGE LINES	EL	1000 STRIPE AND 3000 GAP	150
CONTINUITY LINE	CL	1000 STRIPE AND 3000 GAP	150
DIVIDING LINE	DL	1000 STRIPE AND 3000 GAP	100



SWEPT PATH - B DOUBLE



SWEPT PATH - 16 ROW



TO BE PRINTED IN COLOUR

No	DESCRIPTION	DES	DRN	CHK	APP	DATE
REVISION HISTORY						
H	FOR APPROVAL	JM	R.S	M.W	JM	03.12.2024
G	FOR APPROVAL	JM	J.M	M.W	JM	30.08.2024
F	FOR APPROVAL	T.M	T.M	J.M	J.M	01.08.2024
E	FOR APPROVAL	M.W	M.W	J.M	J.M	19.04.2024
D	FOR APPROVAL	A.P	A.P	J.M	J.M	29.02.2024
C	RFI RESPONSE	L.K	L.K	T.J.S	T.J.S	19.12.2023
B	FOR APPROVAL	L.K	L.K	T.J.S	T.J.S	29.11.2023
A	FOR APPROVAL	L.K	L.K	T.J.S	T.J.S	16.10.2023

icubed consulting
innovation ingenuity inspiration
Development Services | Engineering | Project Delivery
www.icubed.com.au

res
powering change

SIZE	SCALE	PROJECT
A1	AS SHOWN	TALLAWANG SOLAR FARM
STATUS	FOR APPROVAL NOT FOR CONSTRUCTION	TITLE
COORDINATE REFERENCE SYSTEM		EXTERNAL INTERSECTIONS CASTLEREAGH HIGHWAY / SOLAR FARM ACCESS INTERSECTION PLAN - CHR / AUL
DRAWING No.		REV
GDA2020 MGA Z55		H

20-010-INT3-4

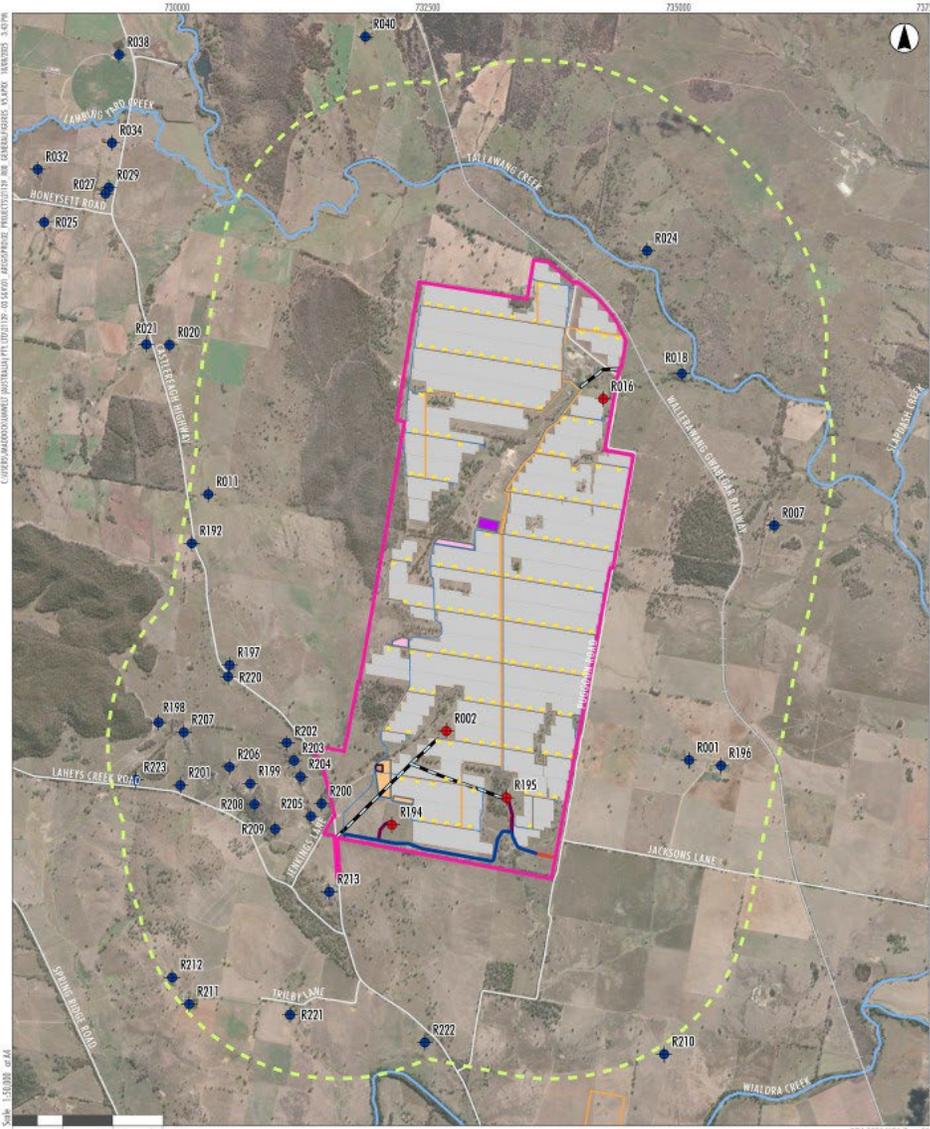


FIGURE 2.1

Sensitive Receivers Surrounding the Indicative Solar Farm Project Area



