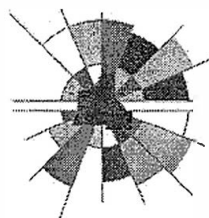


# Application for development approval



SHIRE OF  
**MERREDIN**  
INNOVATING THE WHEATBELT

Owner details			
Name: METRO POWER COMPANY PTY LTD			
ABN (if applicable): [REDACTED]			
[REDACTED]			
WEST PERTH WA		Postcode: 6005	
Phone: Work:	[REDACTED]	Fax:	E [REDACTED]
Home:			
Mobile: 0438855845			
Contact person for correspondence : Timothy Edwards			
Signature: [REDACTED]		Date: 3rd April 2025	
<p><i>The signature of the owner(s) is required on all applications. This application will not proceed without that signature. For the purposes of signing this application an owner includes the persons referred to in the Planning and Development (Local Planning Schemes) Regulations 2015 Schedule 2 clause 62 (2).</i></p>			
Applicant details (if different from owner)			
Name:			
Address:			
			Postcode:
Phone: Work:	Fax:	Email:	
Home:			
Mobile:			
Contact person for correspondence :			
<p>The information and plans provided with this application may be made available by the local government for public viewing in connection with the application. <input type="checkbox"/> Yes <input type="checkbox"/> No</p>			
Signature:		Date:	

Property details		
Lot No: 1	House/Street No:	Location No:
Diagram or Plan No: 37568	Certificate of Title Vol. No: 2123	Folio: 943
Title encumbrances (e.g. easements, restrictive covenants): Western Power Easement		
Street Name: TOTADGIN HALL ROAD		Suburb: MERREDIN
Nearest street intersection: COLGAR WEST RD		

Proposed development	
Nature of Development	<input type="checkbox"/> Works <input checked="" type="checkbox"/> Use <input type="checkbox"/> Works and use
Is an exemption from development claimed for part of the development?	
<input type="checkbox"/> Yes <input type="checkbox"/> No	
If yes, is the exemption for	<input type="checkbox"/> Works <input type="checkbox"/> Use
<p>Description of proposed works and/or land use:</p> <p>Extend the existing Small 1488kW solar-battery farm an extra 250M south of the existing asset. Consisting of approx. 150 rows of ground mounted panels, set in south east corner of block. They are single-axis horizontal tracking solar PV systems, with rows 6M apart. There will also be four packaged battery systems, complete with fire detection and suppression. An one single central inverter substation package and high voltage RMU switch. Addition of 4.2MWdc. The sun reflection is not coincident with neighbouring properties (i.e.no direct glare) or the road due to the nearly flat tilt (6 deg) of the system. They track east to west.</p> <p>The remaining large area will continue to be used for wheat/sheep farming. No buildings or other ancillary dwellings are to be developed. The proposed site is adjacent to Bush Fire Prone areas, and a consultant (Neil Stoney, Bush Fire Prone Planning) has been engaged to prepare a Bush Fire Management Plan, then conduct the BAL assessment to confirm all actions and treatments are in place to minimise risk to the satisfaction of DFES and our insurers. Note there are no ancillary dwellings on site. A 50kL concrete Firewater tank will be installed to requirements of the plan, sheep will continue to graze below the panels and wide fire breaks will be maintained. A new cross-over is planned to provide faster access for fire fighters and Western Power workers. The Water Corp have already prepared the water pipe with bitumen wrapping and a risk assessment has been undertaken according to Main Roads guidelines to locate the new cross over with the best view of oncoming traffic and off-road pull-ins. At present, Water Corp, Shire staff, tourists, visitors and neighbours park in the location of the proposed cross over. This proposed cross over will improve the safety of these visiting stakeholders by providing a place to safely park off the road. Their visits and parking along the roadway are outside of our control. The solar panels are fire-rated as to Fire Class C per UL790 under IEC 6173.</p>	
Description of exemption claimed (if relevant):	
Nature of any existing buildings and/or land use:	

Rural Farming Utility (existing solar farm Land Use approved). This extension is anc
Approximate cost of proposed development: \$4M
Estimated time of completion: Sep 2027

OFFICE USE ONLY	
Acceptance Officer's initials:	Date Received:
Local government reference No:	



Alternate  
Bruce Rock-Merredin Rd  
Gated Entrance

132kV Transmission  
Line to Kalgoorlie

Lot 1  
Totadgin Hall Rd  
Main Entrance  
and Waterpipe  
Cross Over

Existing Solar Farm

Proposed  
Development to  
Extend Solar Battery  
Farm



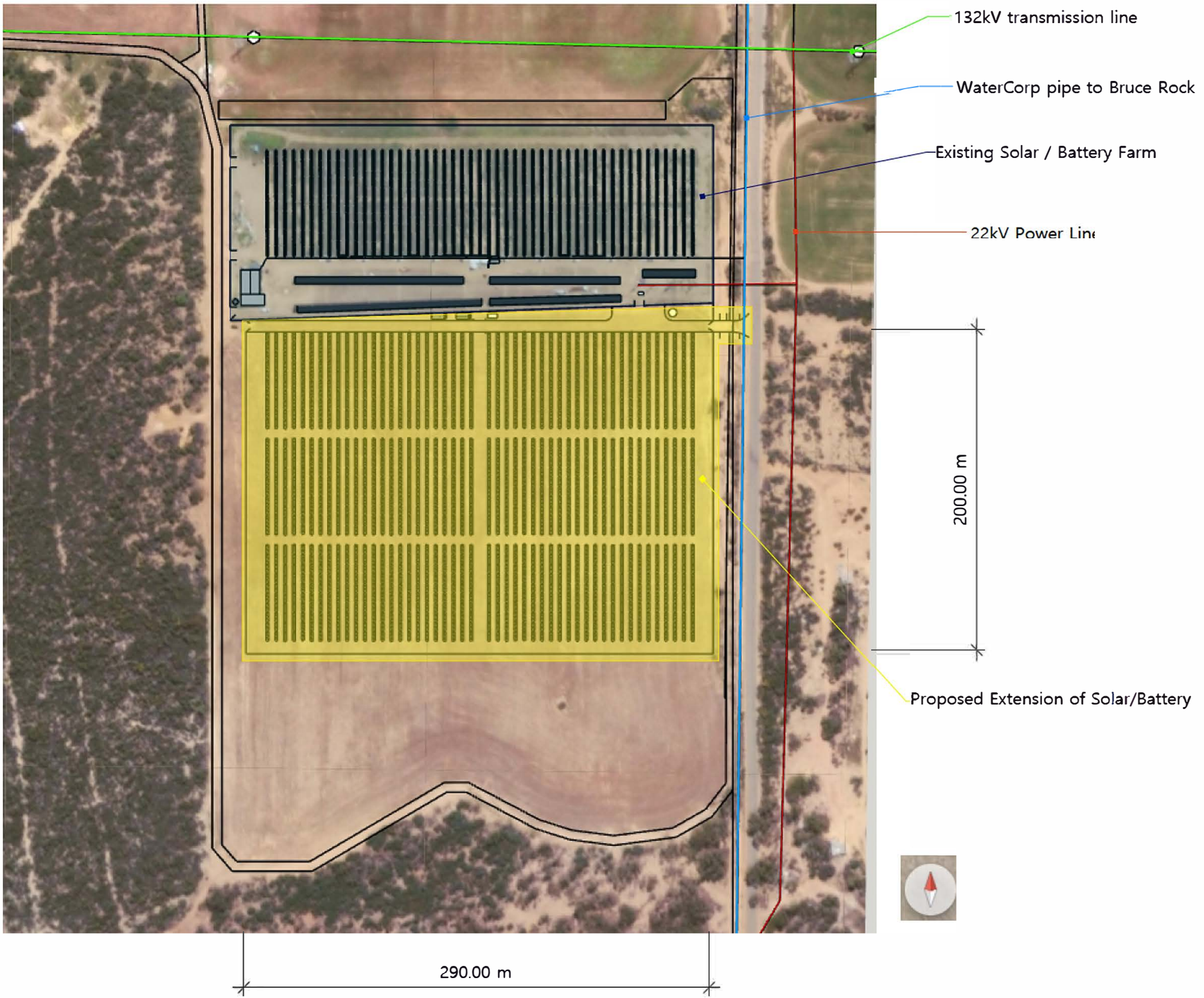
Lot 1 Totadgin Hall Road MERREDIN Overview



Suite 5, Level 1  
56 Kings Park Road  
WEST PERTH WA 6005

REVISIONS		
	MM/DD/YY	REMARKS
1	..../..../..	...
2	..../..../..	...
3	..../..../..	...
4	..../..../..	...
5	..../..../..	...

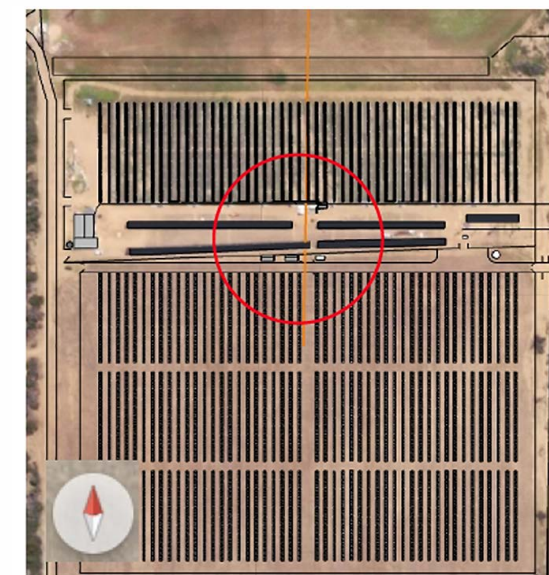
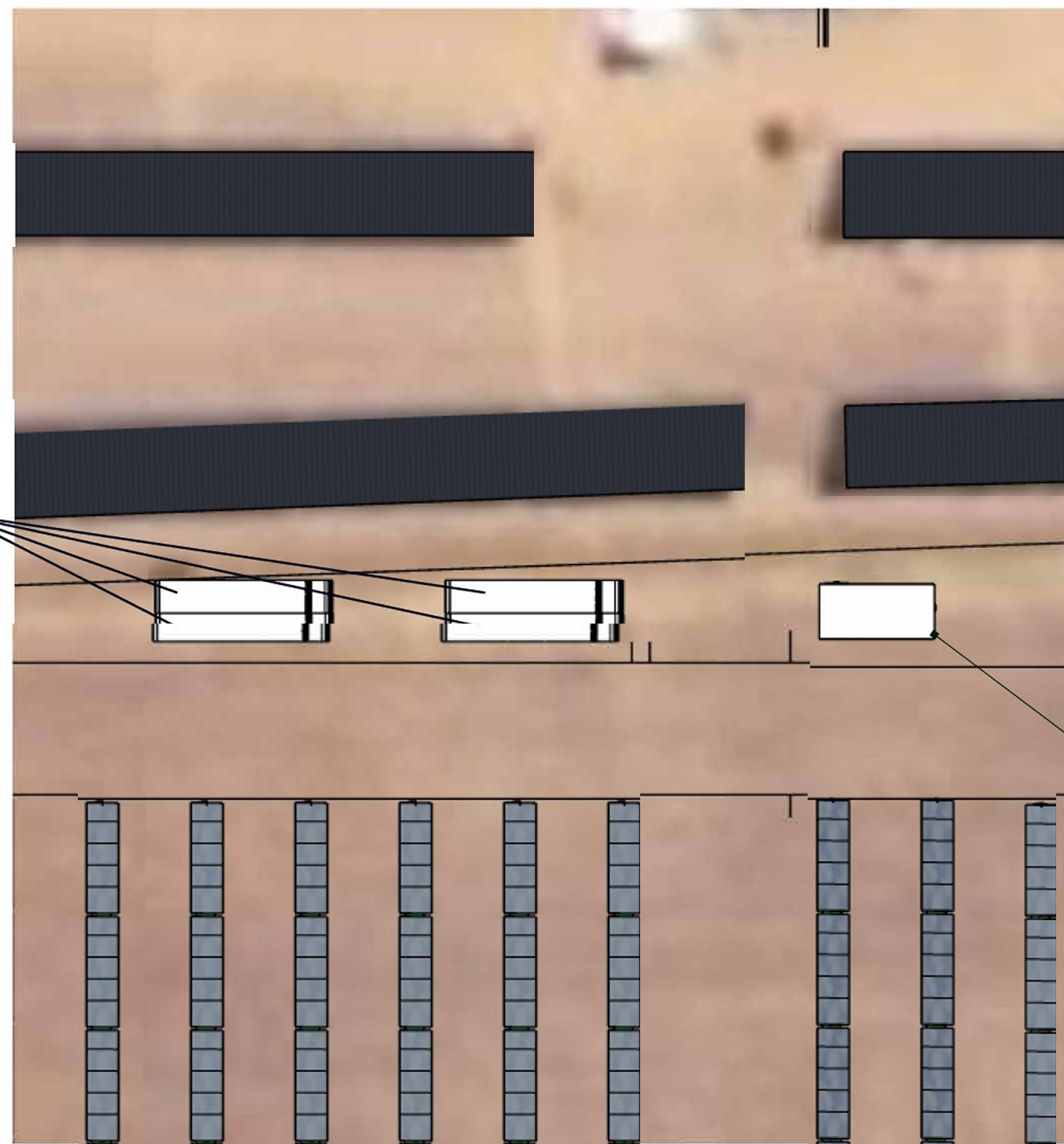




REVISIONS		
	MM/DD/YY	REMARKS
1	--/--/--	
2	--/--/--	
3	--/--/--	
4	--/--/--	
5	--/--/--	

New (4x) 2.3MWh Packaged Battery Energy Storage Systems for DC-coupled storage of solar PV generated power.

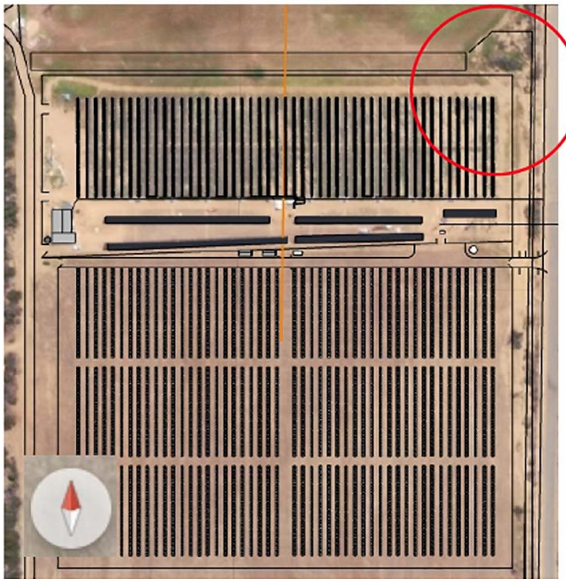
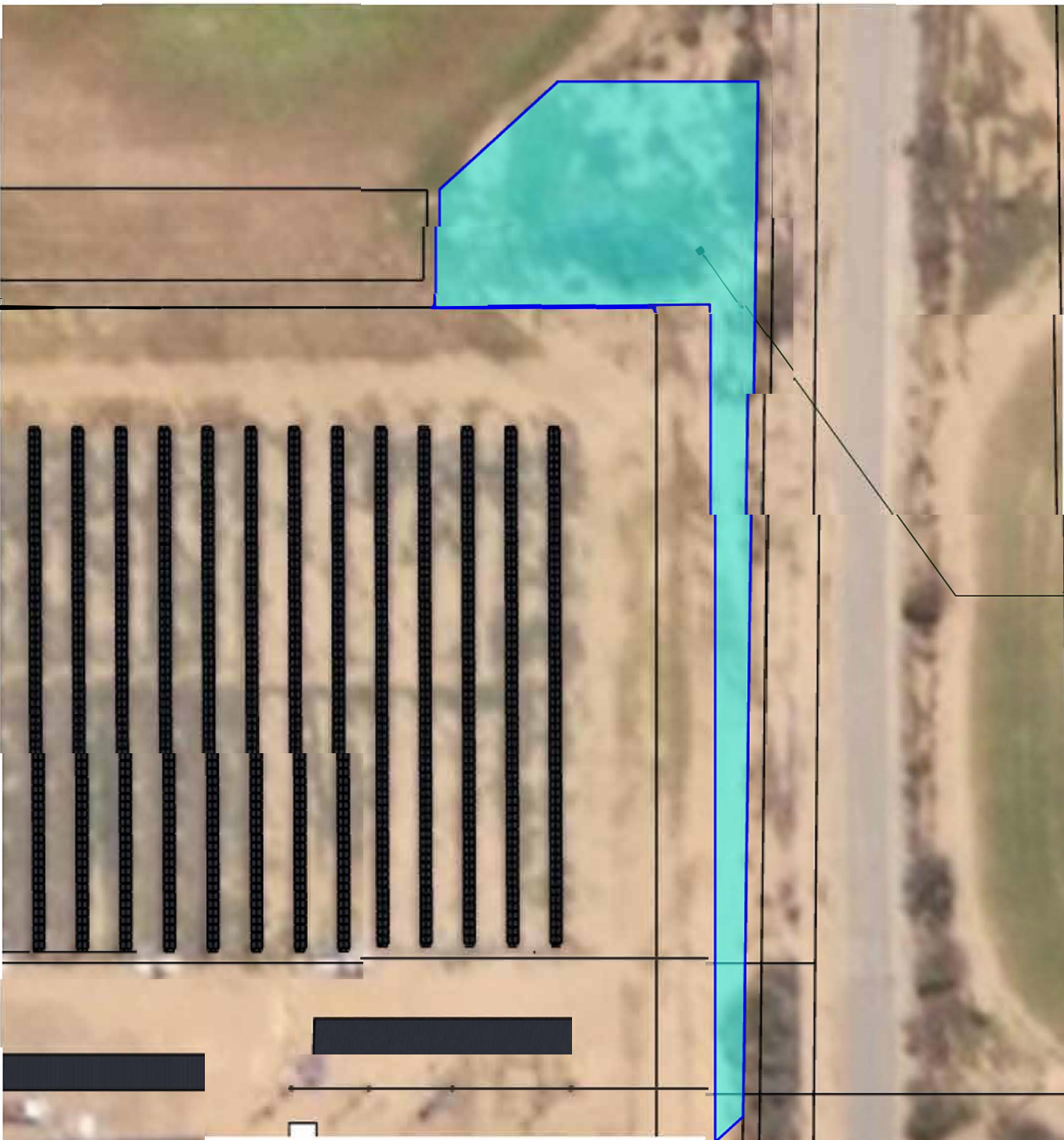
Mounted off ground. Internal closed loop liquid cooled. Each with fire detection and suppression.



New 22kV/ 3.4MVA Packaged Substation (Central Inverter for PV Solar and DC-coupled packaged battery systems)

REVISIONS	
MM/DD/YY	REMARKS
1	...
2	...
3	...
4	...
5	...





Runoff from the entire site (new and old) catches in (rock-based) gutter inside of the property boundary and is captured in an existing small tree-lined dam



REVISIONS	
MM/DD/YY	REMARKS
1	
2	
3	
4	
5	





Lot 1 Totadgin Hall Road MERREDIN Overview



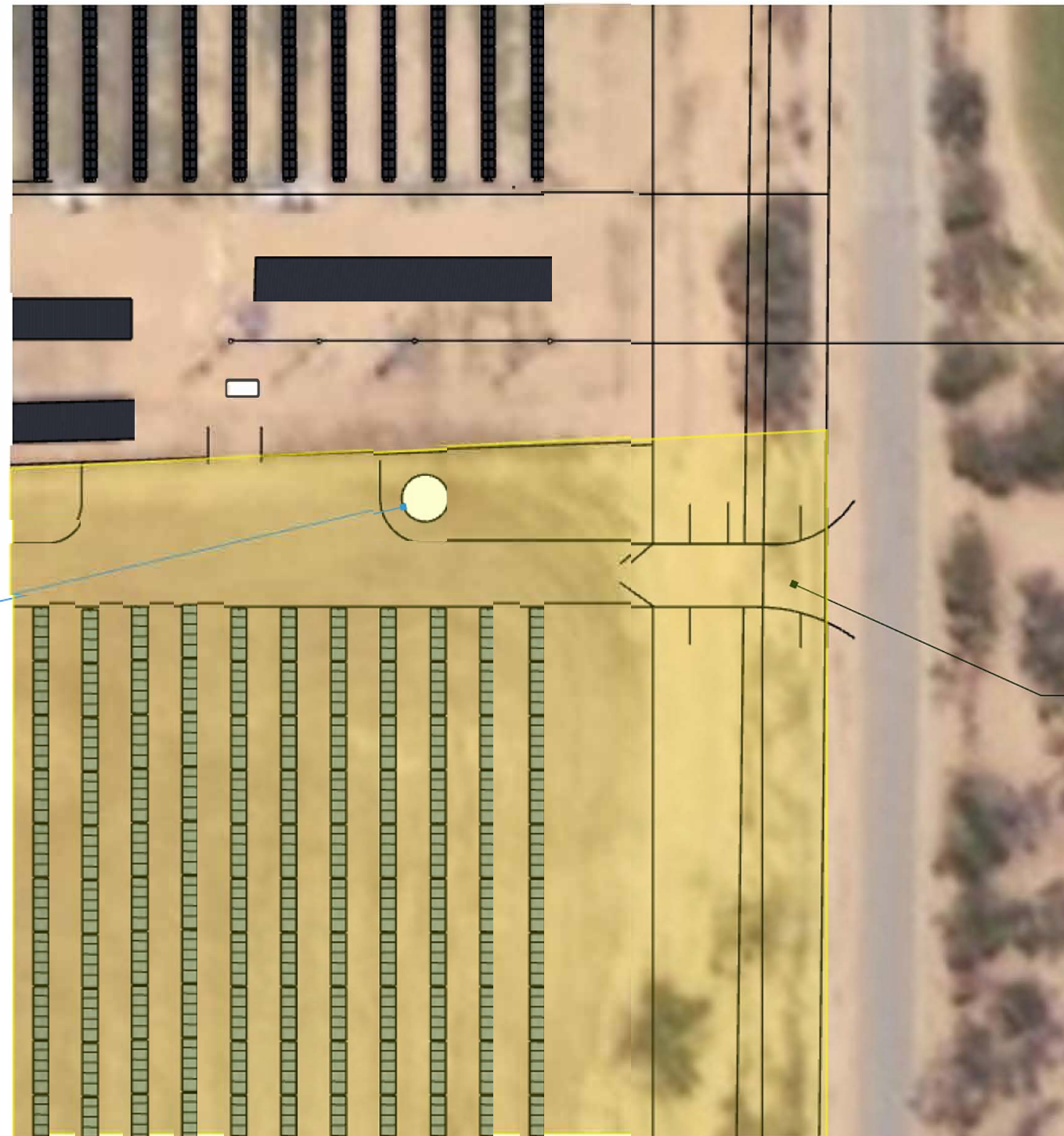
Suite 5, Level 1  
56 Kings Park Road  
WEST PERTH WA 6005

REVISIONS		
	MM/DD/YY	REMARKS
1	...	
2	...	
3	...	
4	...	
5	...	

A 05



Proposed new concrete  
47kL fire water tank

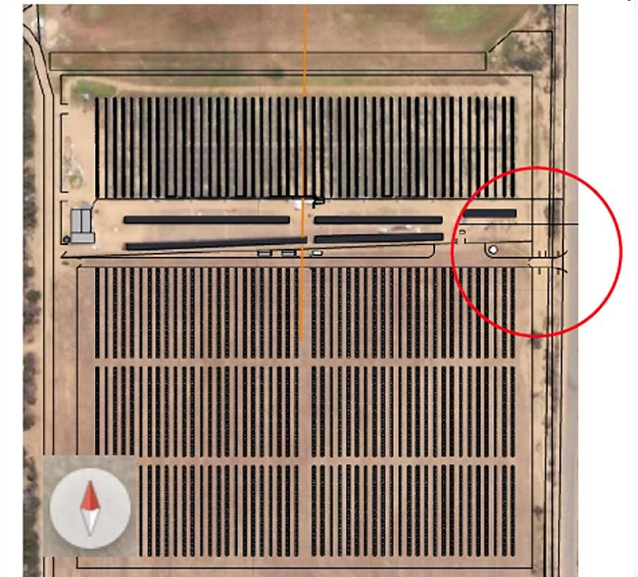


A new cross-over is proposed at this location. Watercorp have already installed bitumen wrapping on the pipe for this purpose. The new fence already has gate posts installed at this location.

Traffic risk assessment indicates clear view from vehicle height (south) to Colgar West bend, and (north) to approaching traffic.

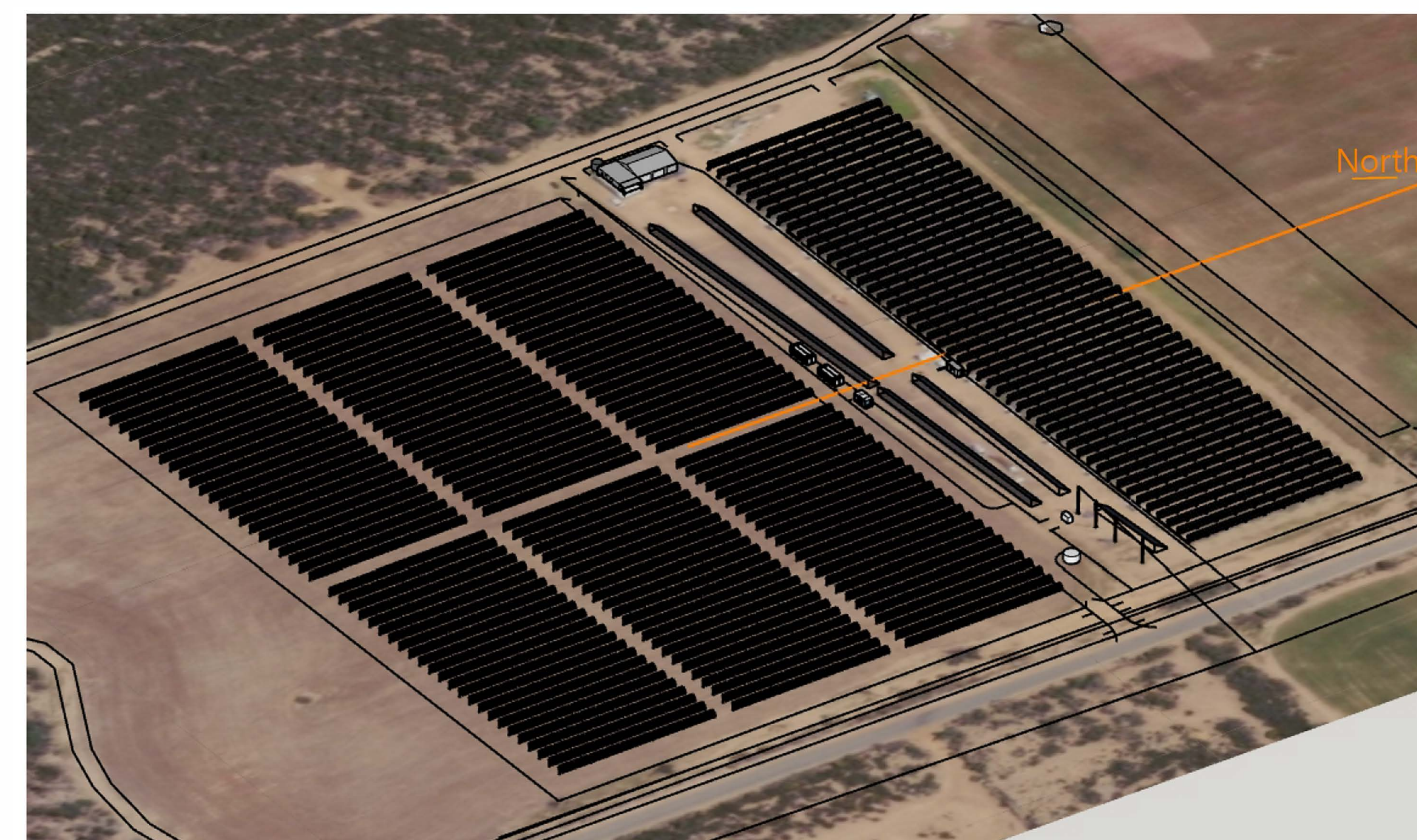
This location is already used by tourists, Shire workers, Water Corp meter readers and maintainers, Main Roads workers as a preferred location to park.

A new cross-over, with deep off-road entrance will make the location safer for all to use, plus provide additional access to the new fire water concrete tank when needed by emergency services.

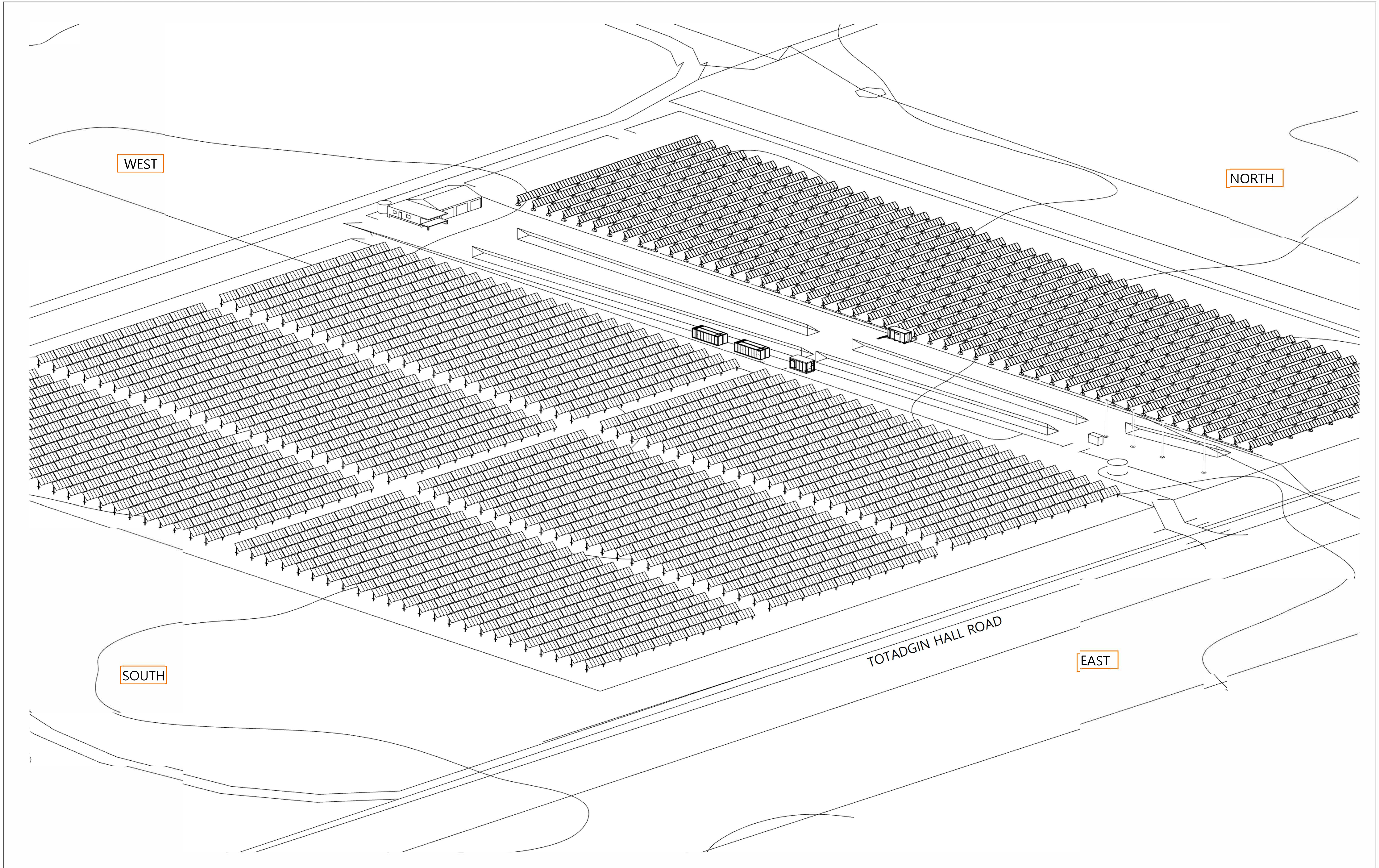


REVISIONS	
MM/DD/YY	REMARKS
1	...
2	...
3	...
4	...
5	...









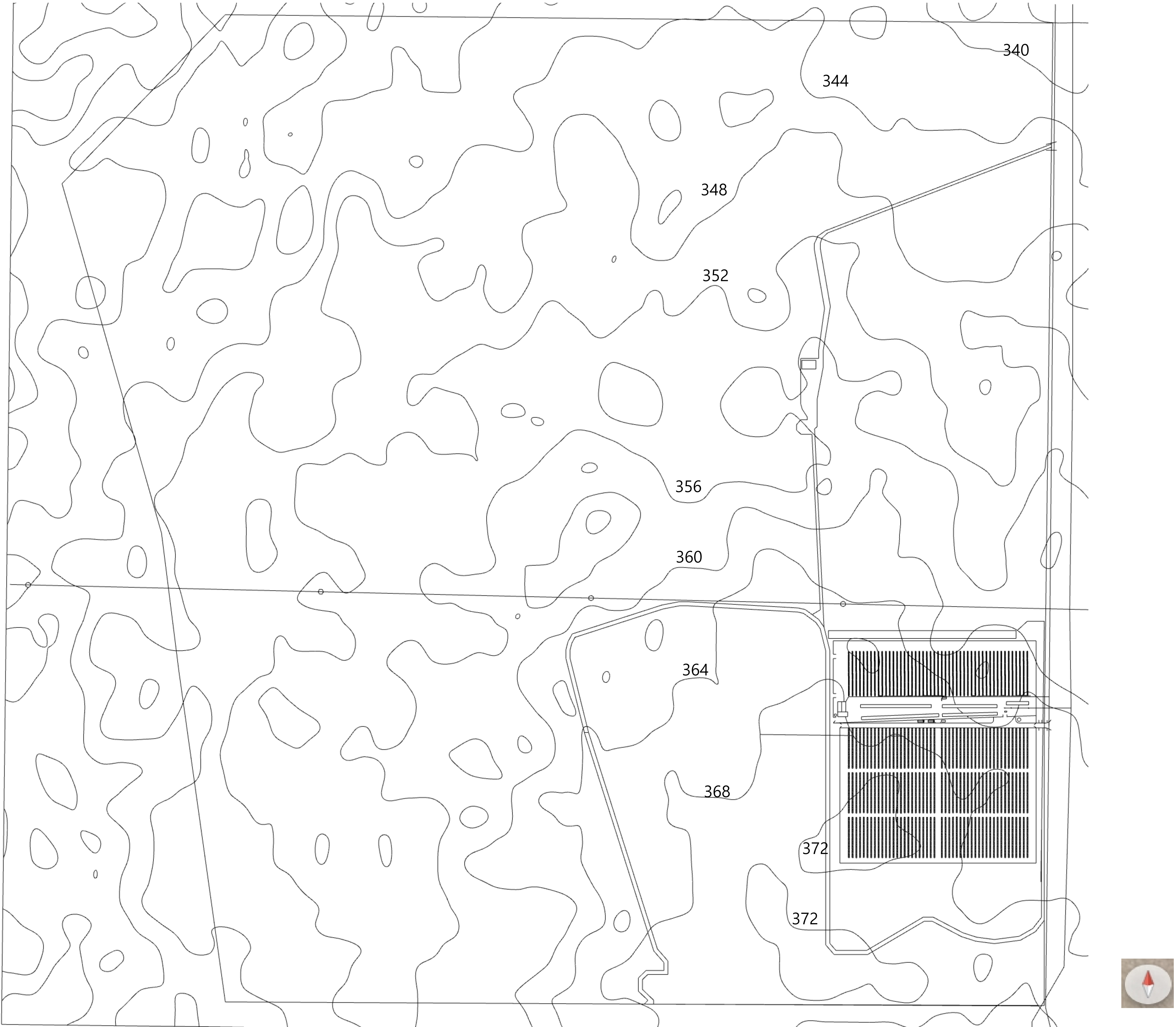
ISOMETRIC VIEW (LOOKING NORTH WEST)



Suite 5, Level 1  
56 Kings Park Road  
WEST PERTH WA 6005

REVISIONS		
	MM/DD/YY	REMARKS
1	--/--/----	...
2	--/--/----	...
3	--/--/----	...
4	--/--/----	...
5	--/--/----	...





PAGE DESCRIPTION



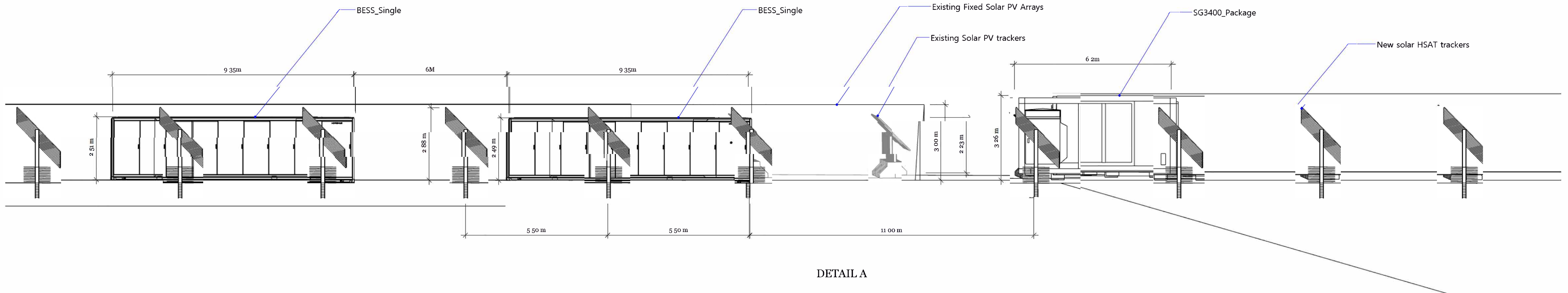
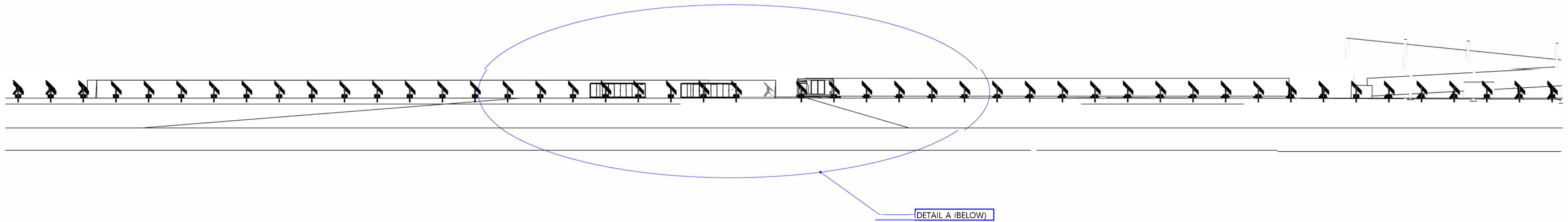
Suite 5, Level 1  
56 Kings Park Road  
WEST PERTH WA 6005

REVISIONS		
	MM/DD/YY	REMARKS
1	--/--/----	...
2	--/--/----	...
3	--/--/----	...
4	--/--/----	...
5	--/--/----	...

01

A





NORTH ELEVATION



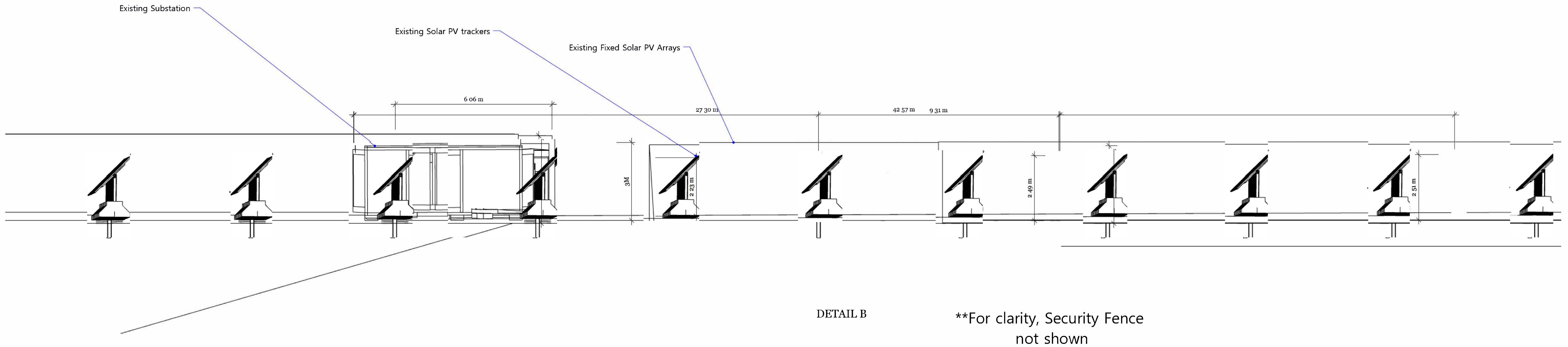
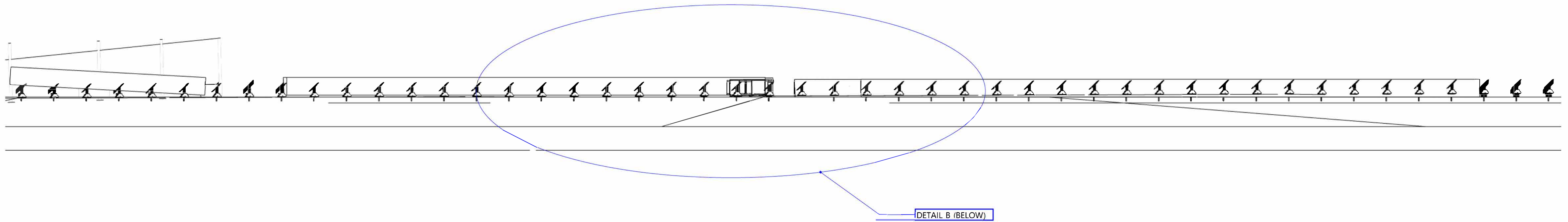
Suite 5, Level 1  
56 Kings Park Road  
WEST PERTH WA 6005

REVISIONS

	MM/DD/YY	REMARKS
1	--/--/--	---
2	--/--/--	---
3	--/--/--	---
4	--/--/--	---
5	--/--/--	---

02

A



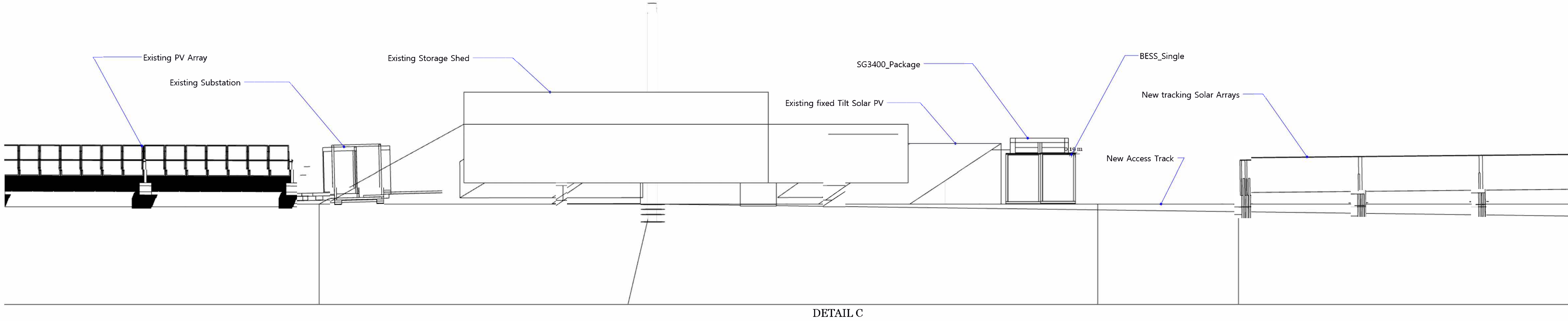
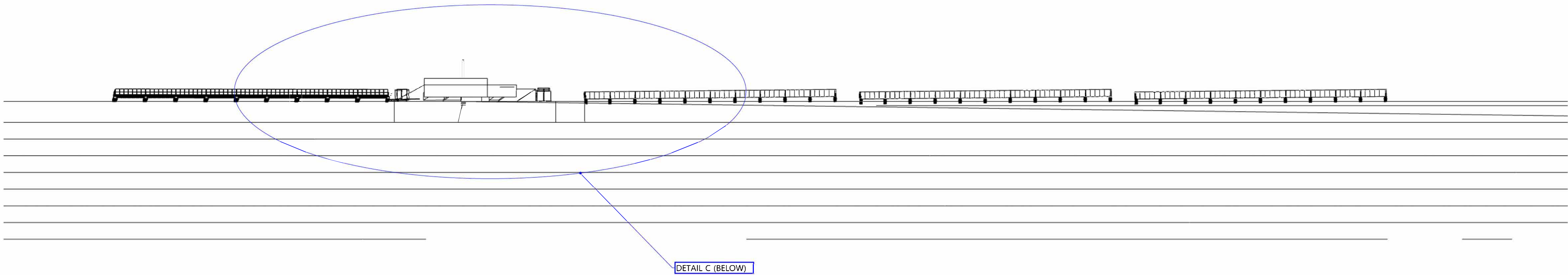
SOUTH ELEVATION



Suite 5, Level 1  
56 Kings Park Road  
WEST PERTH WA 6005

REVISIONS		
	MM/DD/YY	REMARKS
1	--/--/--	...
2	--/--/--	...
3	--/--/--	...
4	--/--/--	...
5	--/--/--	...





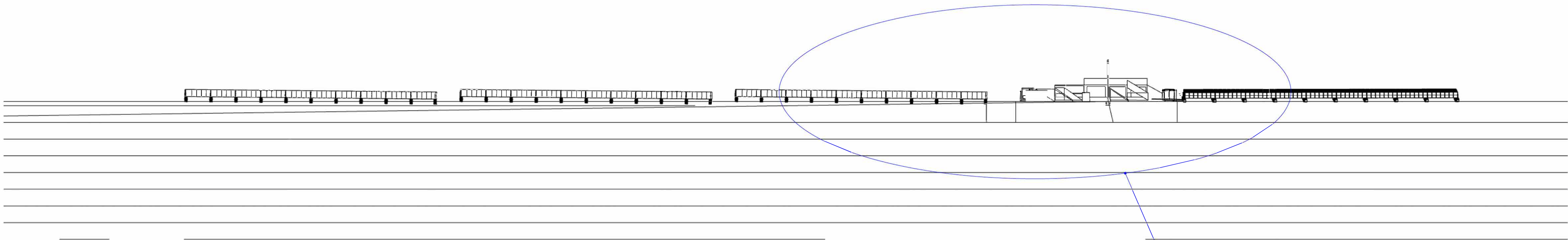
\*\*For clarity, Security Fence  
not shown

EAST ELEVATION

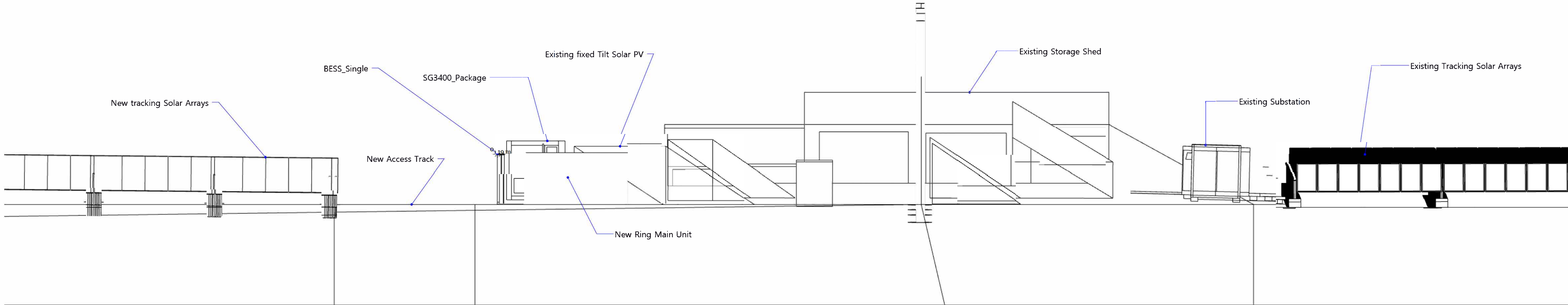


Suite 5, Level 1  
56 Kings Park Road  
WEST PERTH WA 6005

REVISIONS		
	MM/DD/YY	REMARKS
1	--/--/--	---
2	--/--/--	---
3	--/--/--	---
4	--/--/--	---
5	--/--/--	---



DETAIL D (BELOW)



DETAIL D

\*\*For clarity, Security Fence  
not shown

WEST ELEVATION



Suite 5, Level 1  
56 Kings Park Road  
WEST PERTH WA 6005

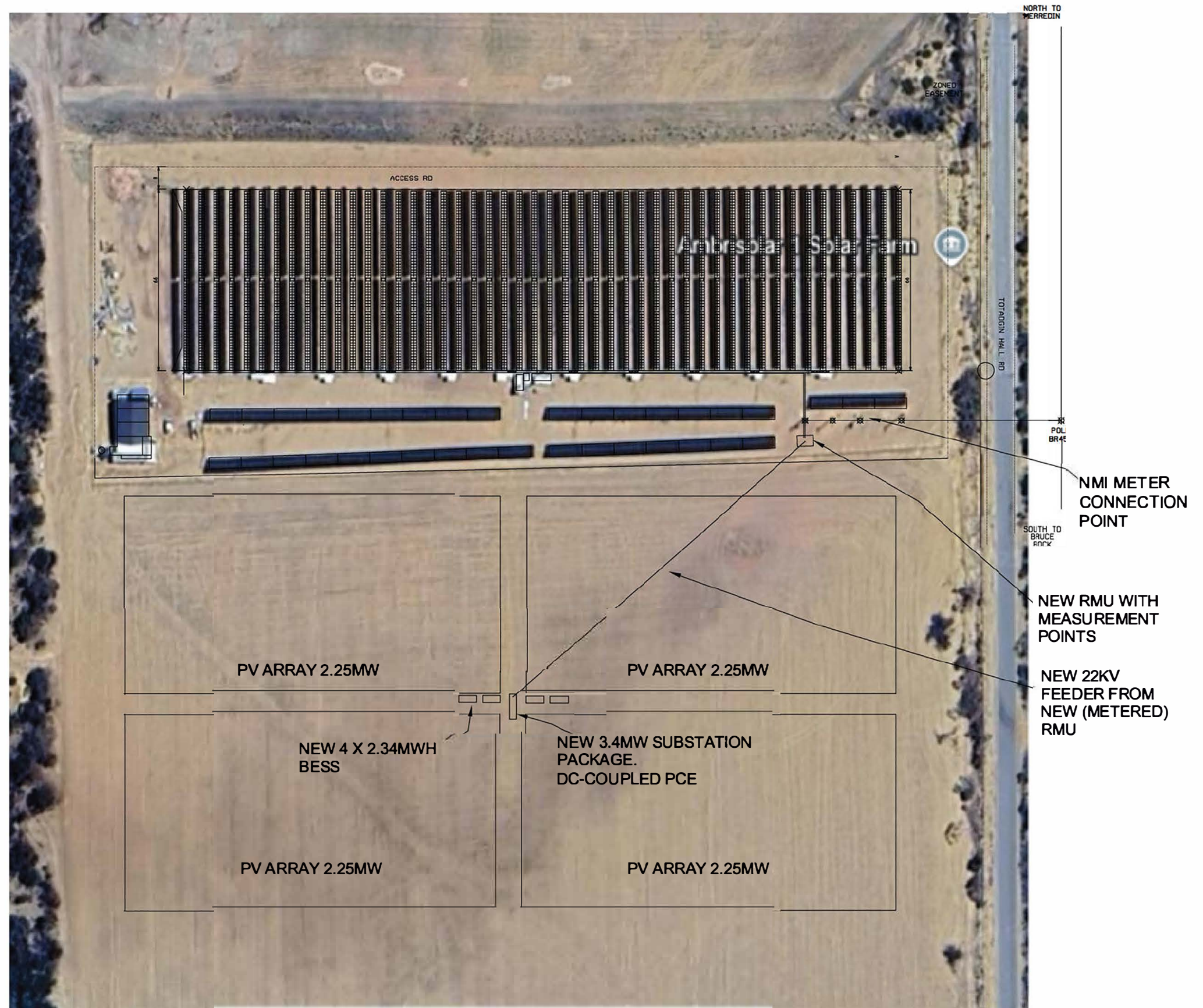
REVISIONS		
	MM/DD/YY	REMARKS
1	--/--/--	---
2	--/--/--	---
3	--/--/--	---
4	--/--/--	---
5	--/--/--	---

05

A



AZNW = ARRAY ZONE NORTH WEST CNR = E620,775.67 - N6509,848  
 AZNE = ARRAY ZONE NORTH EAST CNR = E6210,34.1709 - N6509,848  
 AZSW = ARRAY ZONE SOUTH WEST CNR = E620,775.67 - N6509,782  
 AZSE = ARRAY ZONE SOUTH EAST CNR = E621,034.1709 - N6509,782  
 BR45B/1 = PTS 22KV + RE + STAY = E621,035.1709 - N6509,764  
 BR45B/2 = INTERMEDIATE + METERING + RE = E621,020.1710 - N6509,764  
 BR45B/3 = PTS 22KV + RE = E621,010.1710 - N6509,764  
 BR45B/4 = RECLOSER = E621,000.1710 - N6509,764

[illegible]