

PLAN  
SCALE 1:2000

**LEGEND**

- - - - - EXISTING LOT BOUNDARY
- - - - - SITE BOUNDARY (AREA = 245,745 m<sup>2</sup>)
- EXISTING POND
- EXISTING VEGETATION TO REMAIN
- EXISTING FENCE
- - - - - EXISTING MAJOR CONTOURS
- - - - - EXISTING MINOR CONTOURS
- EXISTING OVERHEAD ELECTRICAL POST
- ⊗ EXISTING GATE
- - - - - EXISTING OVERHEAD 22kV ELECTRICITY
- - - - - EXISTING SEWER RISING MAIN
- - - - - EXISTING TELECOMMUNICATIONS

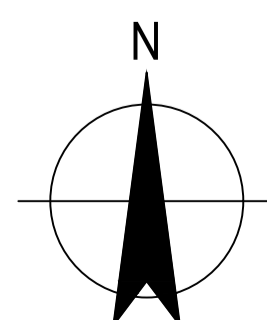
**NOTES:**

1. SITE AREA UNDERSTOOD TO BE PREVIOUSLY USED AS LINED EVAPORATION AN FOR POST-TREATMENT WASTEWATER EVAPORATION.

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ADVERTISED  
PLAN

P03	CONCEPT DESIGN UPDATE	A.V.	M.G.	19.06.24
P02	CONCEPT DESIGN	M.G.	A.V.	19.10.23
P01	DRAFT CONCEPT DESIGN	M.G.	A.V.	10.10.23
Rev	Description	Checked	Approved	Date
Author	M. PAÑA	Drafting Check	D. KOKOTOVIC	
Designer	M. JARING	Design Check	M. GOODE	



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Client	GOULBURN VALLEY WATER
Project	GVW SOLAR FARM
Status	IN DEVELOPMENT

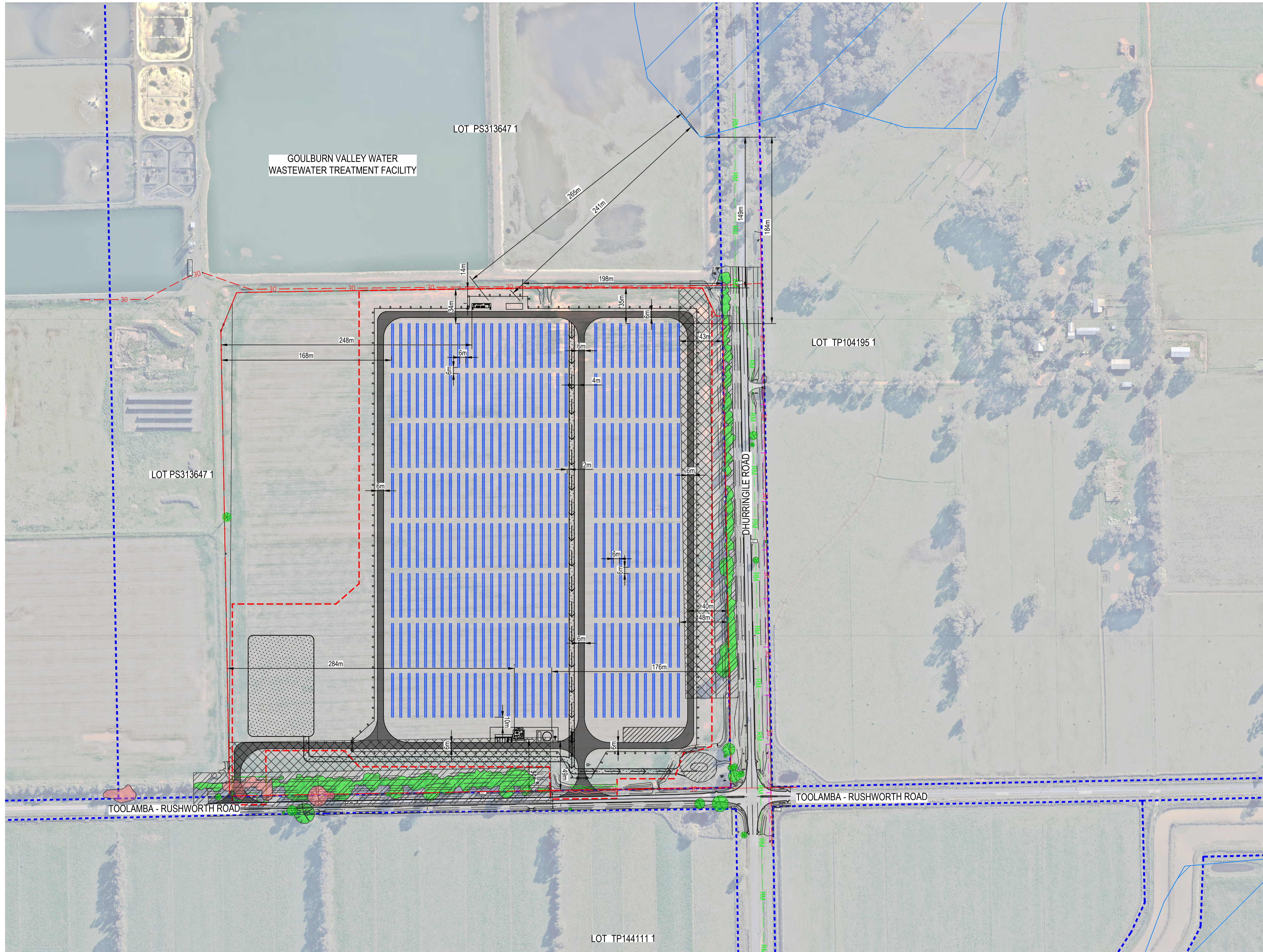
Drawing Title  
**TATURA  
EXISTING CONDITIONS PLAN**

Size  
**A1**

Drawing No.  
**12579414-GHD-00-00-DRG-CI-00010**

Rev  
**P03**





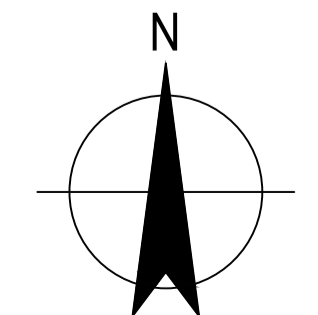
- LEGEND**
- - - - - EXISTING LOT BOUNDARY
  - - - - - SITE BOUNDARY (AREA = 245,745 m<sup>2</sup>)
  - EXISTING FENCE
  - PROPOSED UNSEALED ROADS
  - STORMWATER DETENTION AREA
  - EXISTING POND
  - 30m VEGETATION BUFFER ZONE
  - EXISTING VEGETATION ZONE
  - EXISTING NATIVE VEGETATION TO BE CLEARED
  - EXISTING VEGETATION TO REMAIN
  - LSIO - LAND SUBJECT TO INUNDATION OVERLAY

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ADVERTISED PLAN

PLAN  
SCALE 1:2000

P01 CONCEPT DESIGN UPDATE	A.V.	M.G.	19.06.24
Rev Description	Checked	Approved	Date
Author M. PAÑA	Drafting Check		
Designer A. VAN EEDEN	Design Check M. GOODE		



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Client **GOULBURN VALLEY WATER**  
Project **GVW SOLAR FARM**  
Status **IN DEVELOPMENT**

Drawing Title **TATURA  
LSIO OVERLAY  
AND VEGETATION  
REMOVAL PLAN**

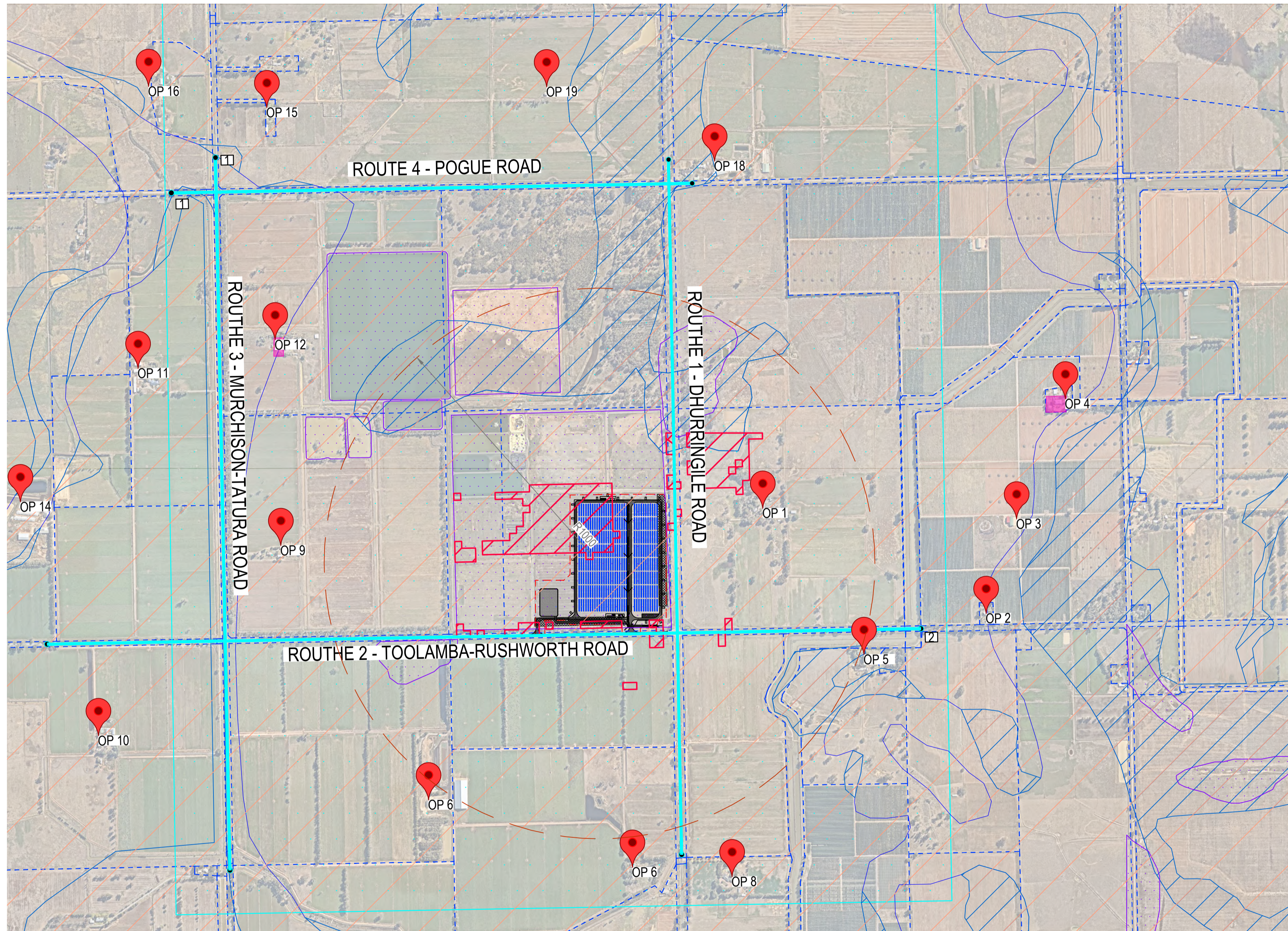
Size **A1**

Drawing No. **12579414-GHD-00-00-DRG-CI-00011** Rev **P01**

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# ADVERTISED PLAN



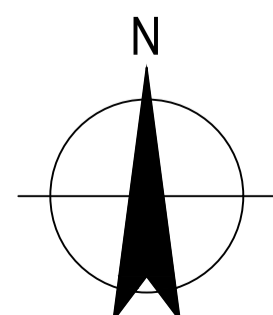
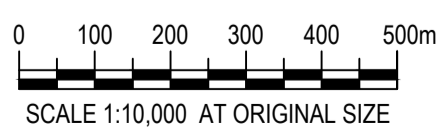
PLAN  
SCALE 1:10000

## LEGEND

- - - - - EXISTING LOT BOUNDARY
- — — — — SITE BOUNDARY (AREA = 245,745 m<sup>2</sup>)
- - - - - EXTENT OF WORKS / PROJECT AREA (AREA = 187,496 m<sup>2</sup>)
- ||||| INDICATIVE SOLAR PANEL
- - - - - PROPOSED FENCE
- - - - - EXISTING FENCE
- PROPOSED UNSEALED ROADS
- EXISTING VEGETATION TO BE CLEARED
- EXISTING POND
- EXISTING VEGETATION TO REMAIN
- HERITAGE OVERLAYS
- SCO - SPECIFIC CONTROLS OVERLAY
- LSIO - LAND SUBJECT TO INUNDATION OVERLAY
- EVC - ECOLOGICAL VEGETATION CLASS
- WETLAND OVERLAY
- FLOODWAY OVERLAY
- OBSERVER POINT (REFER TO GHD 12579414-RPT\_GOULBURN VALLEY SOLAR FARMS TATURA SOLAR GALRE ASSESSMENT REPORT FOR DETAILS)

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P01 CONCEPT DESIGN UPDATE Rev Description Checked Approved Date	M.G. A.V. 19.06.24
Author M. PAÑA Drafting Check Designer A. VAN EEDEN Design Check M. GOODE	



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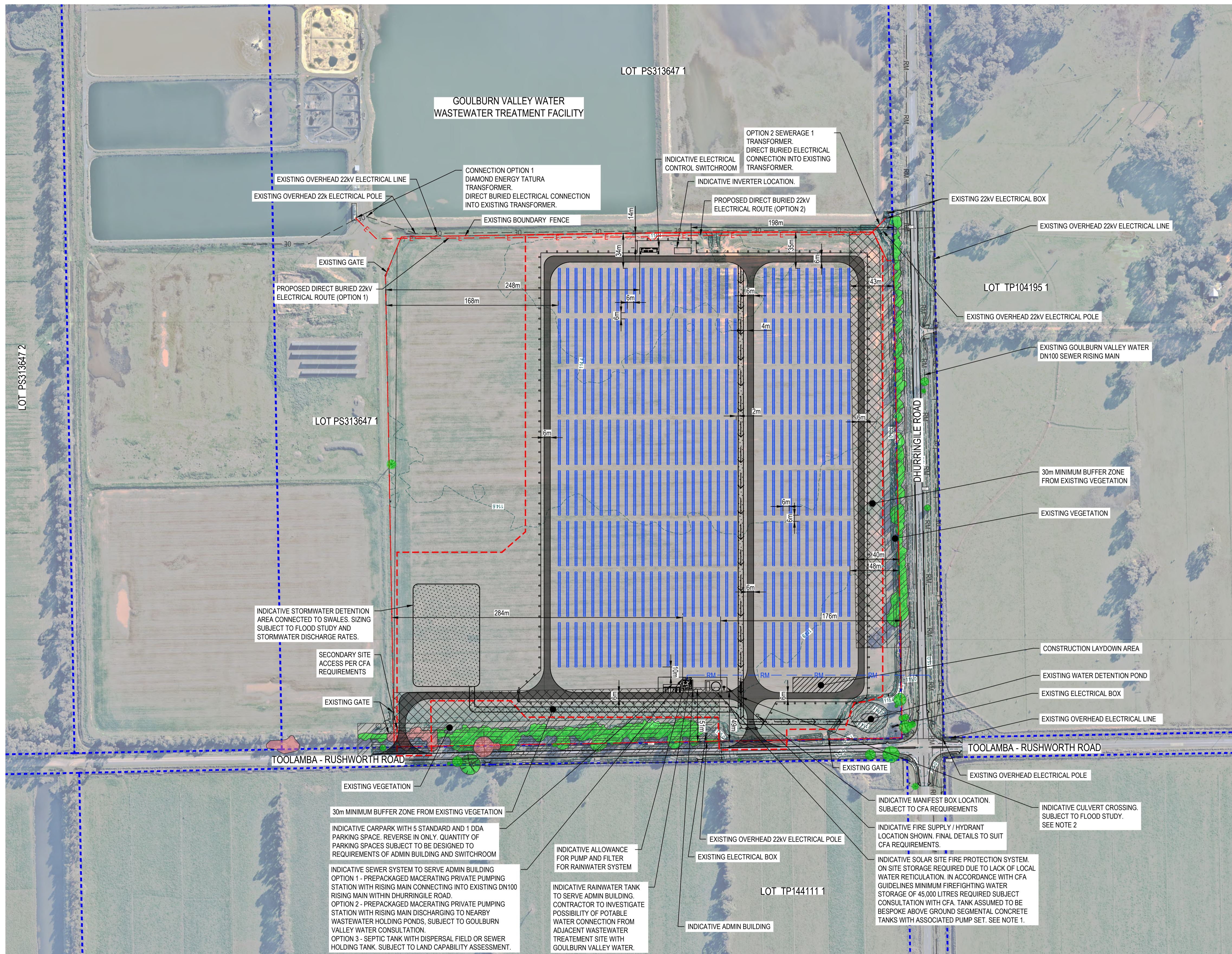
Project No.  
12579414

Client GOULBURN VALLEY WATER  
 Project GVV SOLAR FARM  
 Status IN DEVELOPMENT

Drawing Title  
**TATURA  
 SITE OVERLAYS  
 AND CONTEXT**

Drawing No. 12579414-GHD-00-00-DRG-CI-00012  
 Rev P01





PLAN  
SCALE 1:2000

**LEGEND**

- EXISTING LOT BOUNDARY
- SITE BOUNDARY (AREA = 245,745 m<sup>2</sup>)
- EXTENT OF WORKS / PROJECT AREA (AREA = 187,496 m<sup>2</sup>)
- 30m VEGETATION BUFFER ZONE
- EXISTING POND
- EXISTING VEGETATION TO REMAIN
- EXISTING FENCE
- EXISTING MAJOR CONTOURS
- EXISTING MINOR CONTOURS
- EXISTING OVERHEAD ELECTRICAL POST
- EXISTING GATE
- PROPOSED GATE
- PROPOSED FENCE
- INDICATIVE SOLAR PANEL
- INDICATIVE INVERTER
- PROPOSED SWALE
- PROPOSED HYDRANT
- PROPOSED UNSEALED ROADS
- EXISTING NATIVE VEGETATION TO BE CLEARED
- PROPOSED ELECTRICAL LINES
- PROPOSED SEWER RISING MAIN
- EXISTING OVERHEAD 22KV ELECTRICITY
- EXISTING SEWER RISING MAIN
- EXISTING TELECOMMUNICATIONS

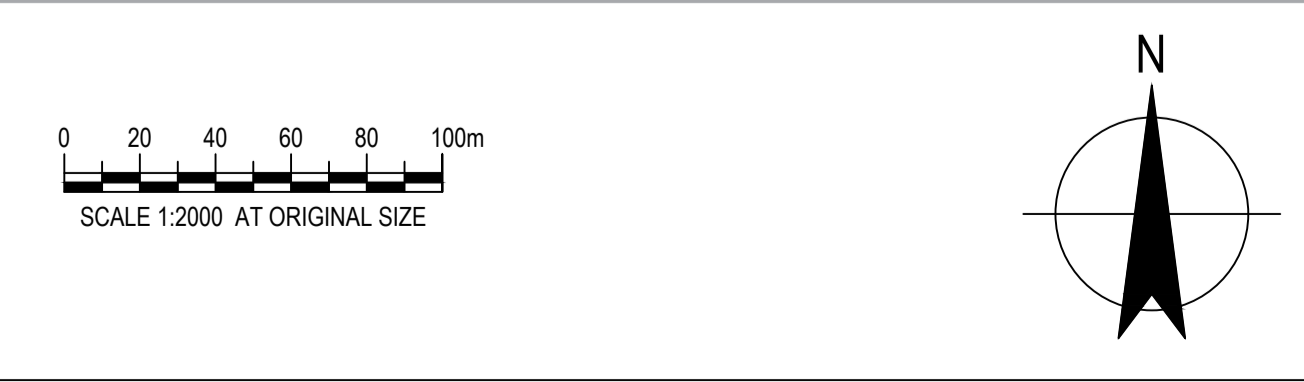
**NOTES:**

1. REFERENCE CFA GUIDELINES "DESIGN GUIDELINES AND MODEL REQUIREMENTS - RENEWABLE ENERGY FACILITIES V4.
2. CONTRACTOR TO INCLUDE CULVERTS FOR 10% AEP FOR DRAIN CROSSINGS.

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ADVERTISED PLAN

P03	CONCEPT DESIGN UPDATE	A.V.	M.G.	19.06.24
P02	CONCEPT DESIGN	M.G.	A.V.	19.10.23
P01	DRAFT CONCEPT DESIGN	M.G.	A.V.	10.10.23
Rev	Description	Checked	Approved	Date
Author	M. PAÑA	Drafting Check	D. KOKOTOVIC	
Designer	M. JARING	Design Check	M. GOODE	



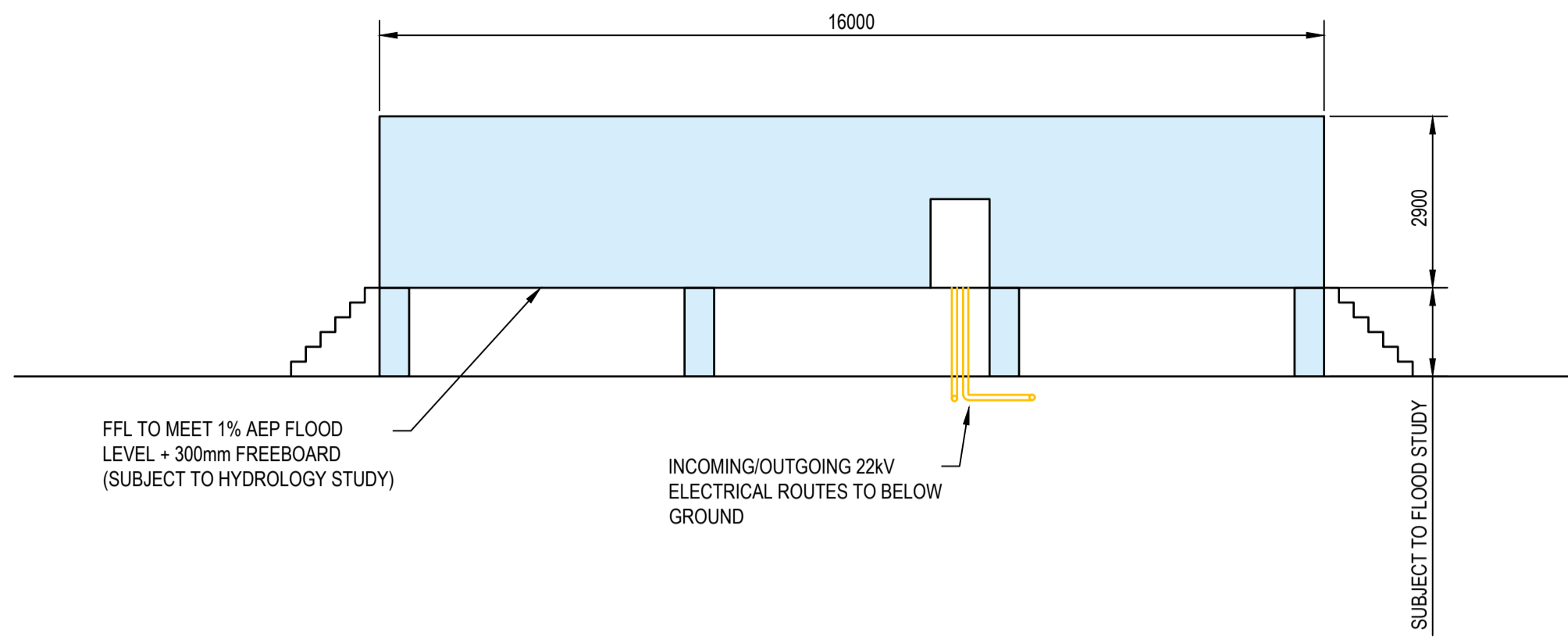
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E mel@mail@ghd.com W www.ghd.com



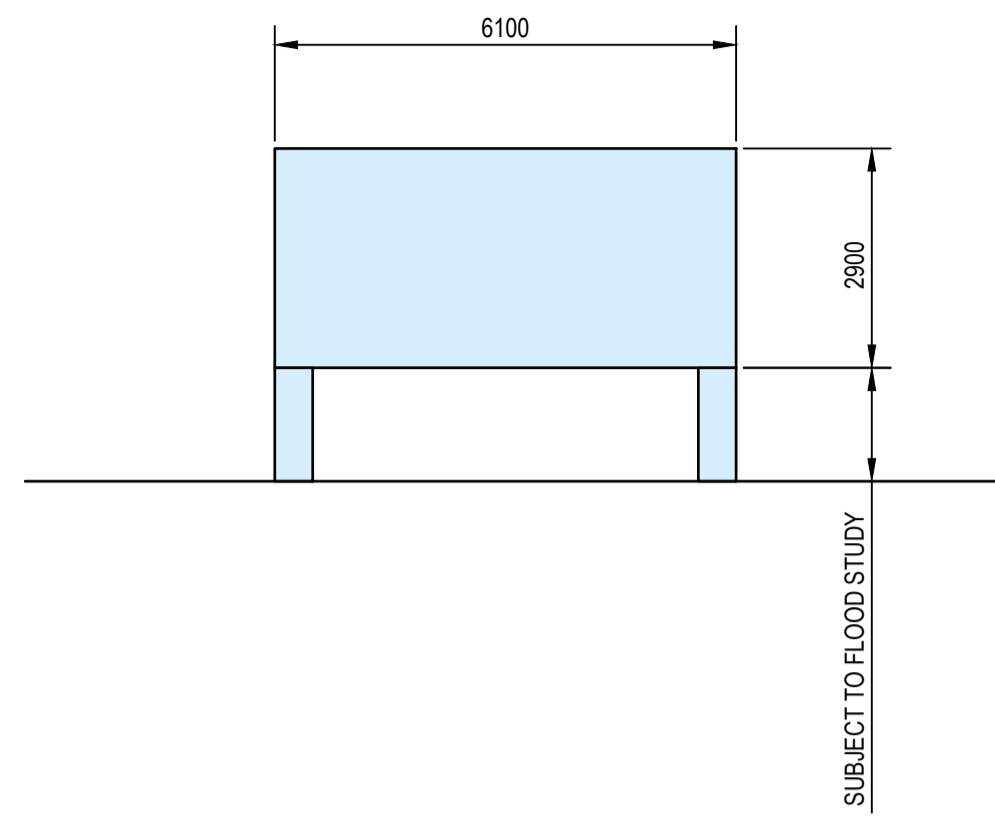
Client	GOULBURN VALLEY WATER
Project	GVW SOLAR FARM
Status	IN DEVELOPMENT

Drawing Title	TATURA SITE LAYOUT PLAN
Drawing No.	12579414-GHD-00-00-DRG-CI-00100
Rev	P03
Size	A1

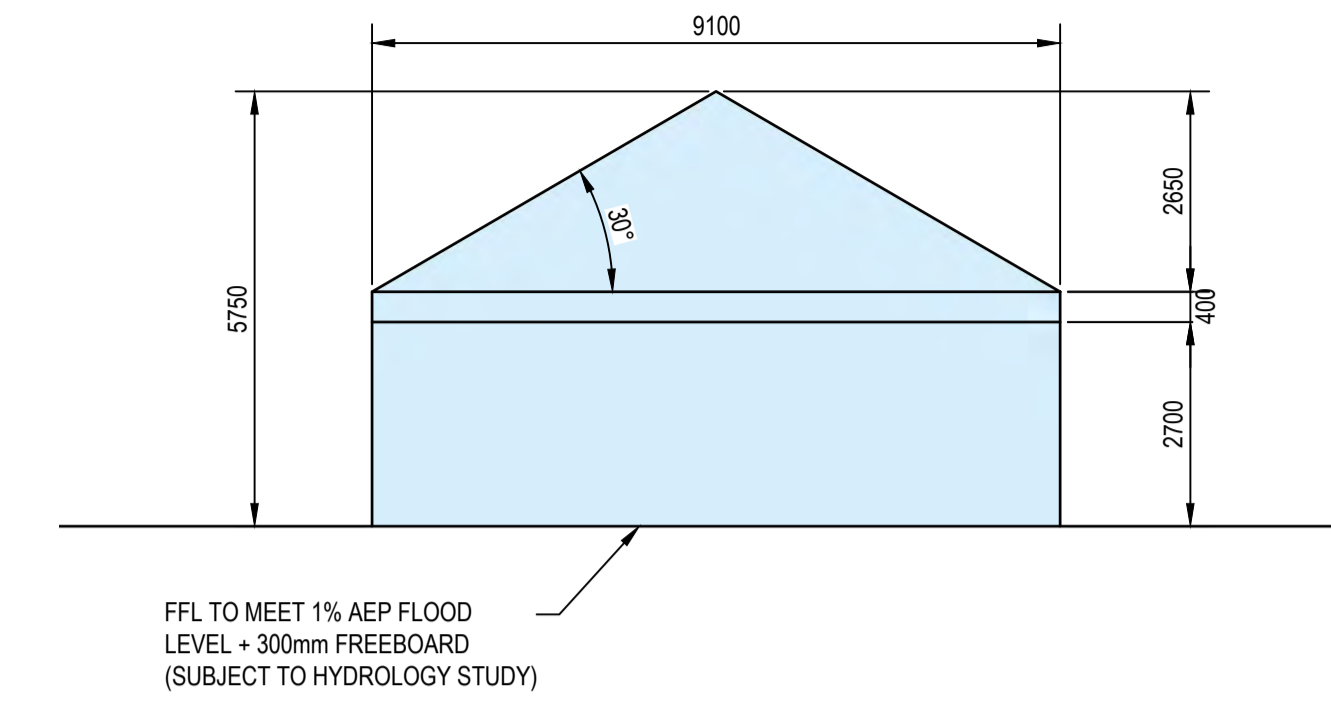




**CONTROL ROOM - INDICATIVE ELEVATION**  
SCALE 1:100

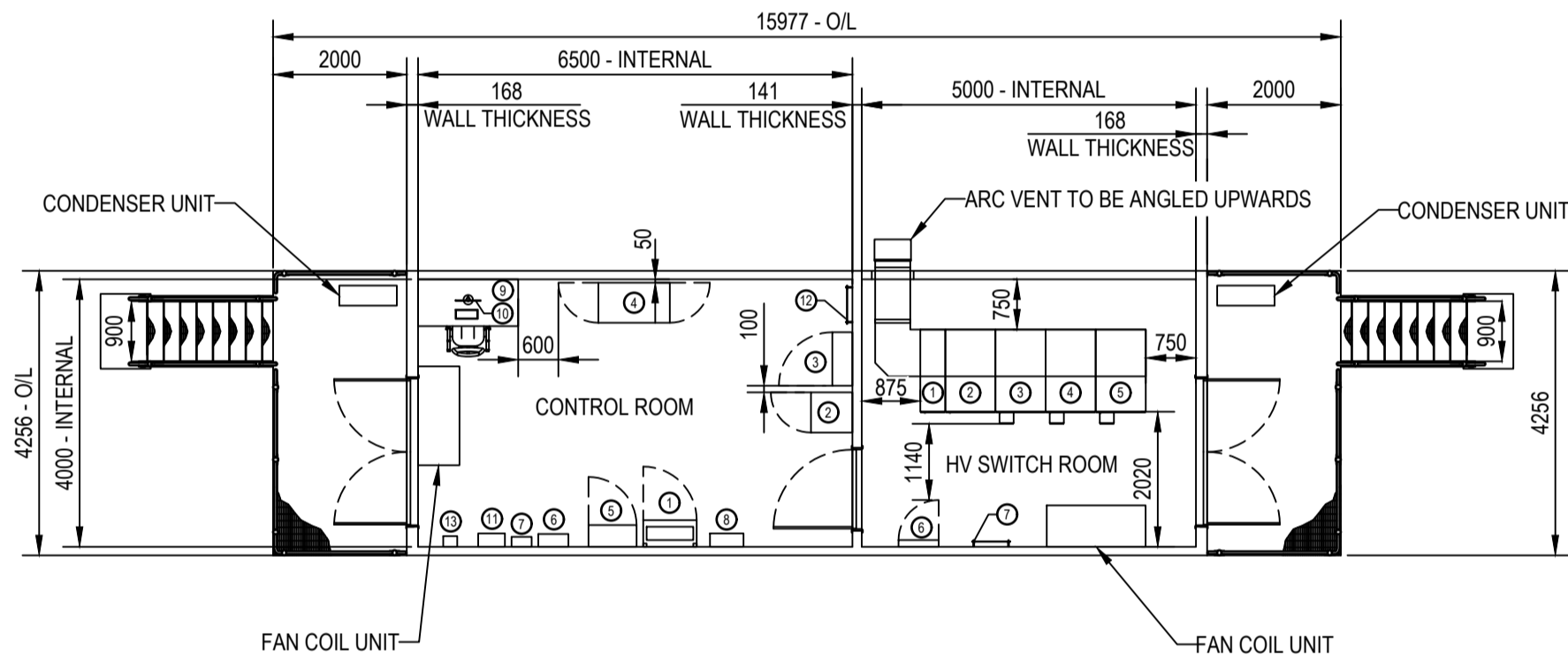


**INVERTER - INDICATIVE ELEVATION**  
SCALE 1:100

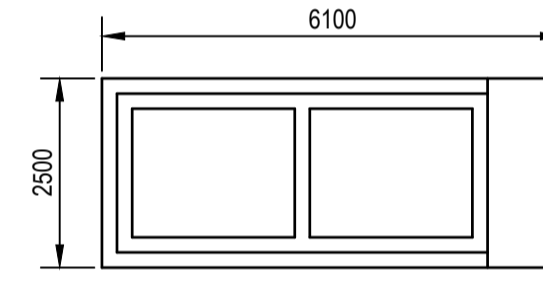


**ADMIN BUILDING - INDICATIVE ELEVATION**  
SCALE 1:100

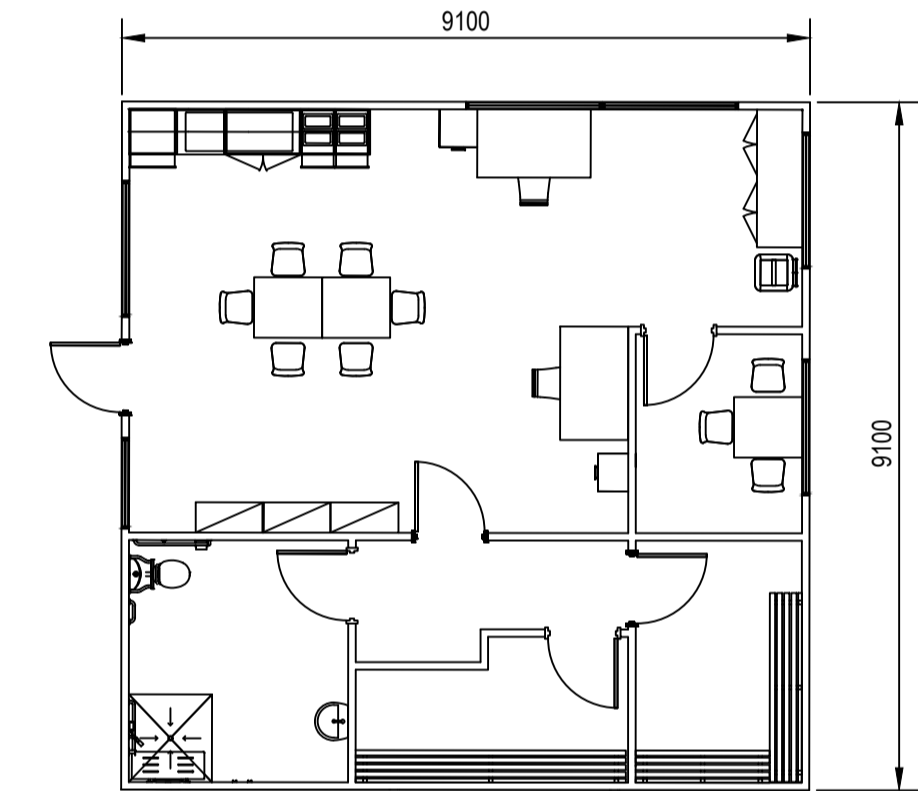
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**CONTROL ROOM / HV SWITCHROOM - INDICATIVE LAYOUT**  
SCALE 1:100



**INVERTER - INDICATIVE LAYOUT**  
SCALE 1:100



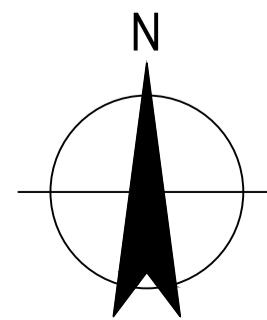
**ADMIN BUILDING - INDICATIVE LAYOUT**  
SCALE 1:100

CONTROL ROOM						
SL NO	EQUIPMENT DESCRIPTION	MOUNT TYPE	SIZE (mm)			APPROX MASS (Kg)
			W	D	H	
1	400/230 V AC DISTRIBUTION BOARD	FLOOR	800	400	2075	250
2	BATTERY & CHARGER	FLOOR	600	620	1400	213
3	SCADA RTU	WALL	800	300	1000	60
4	SCADA COMMUNICATIONS RACK	FLOOR	599	1069	1991	250
5	POWER PLANT CONTROLLER - PPC	WALL	720	325	1125	60
6	FIRE INDICATION PANEL - FIP	WALL	450	192	650	30
7	SECURITY PANEL	WALL	300	150	400	15
8	HVAC	WALL	500	200	500	25
9	DESK	WALL	1500	700	730	20
10	SOLAR FARM SCADA CLIENT	DESK				
11	APAM EMCS HMI	WALL	400	200	400	-
12	EARTH BAR - COPPER	WALL	570	6.3	50	5
13	AC CONTROLLER - HARDWIRED	WALL				-

HV SWITCH ROOM						
SL NO	EQUIPMENT DESCRIPTION	MOUNT TYPE	SIZE (mm)			APPROX MASS (Kg)
			W	D	H	
1	22kV SWITCHBOARD INCOMER SW - 630A	FLOOR	375	1230	2100	130
2	22kV SWITCHBOARD METERING	FLOOR	750	1230	2100	300
3	22kV SWITCHBOARD MAIN SOLAR FARM CB - 630A	FLOOR	750	1230	2100	410
4	22kV SWITCHBOARD SPARE CB - 630A	FLOOR	750	1230	2100	410
5	22kV SWITCHBOARD AUXILIARY TX CB - 630A	FLOOR	750	1230	2100	410
6	METERING PANEL - 22kV INCOMER	WALL	600	100	615	25
7	EARTH BAR - COPPER	WALL	570	6.3	50	5

**ADVERTISED PLAN**

P01	CONCEPT DESIGN UPDATE	M.G.	A.V.	19.06.24
Rev	Description	Checked	Approved	Date
Author	J. DE LA TORRE	Drafting Check		
Designer	A. VAN EEDEN	Design Check M. GOODE		



Project No.  
12579414

Client **GOULBURN VALLEY WATER**  
Project **GVW SOLAR FARM**  
Status **IN DEVELOPMENT**

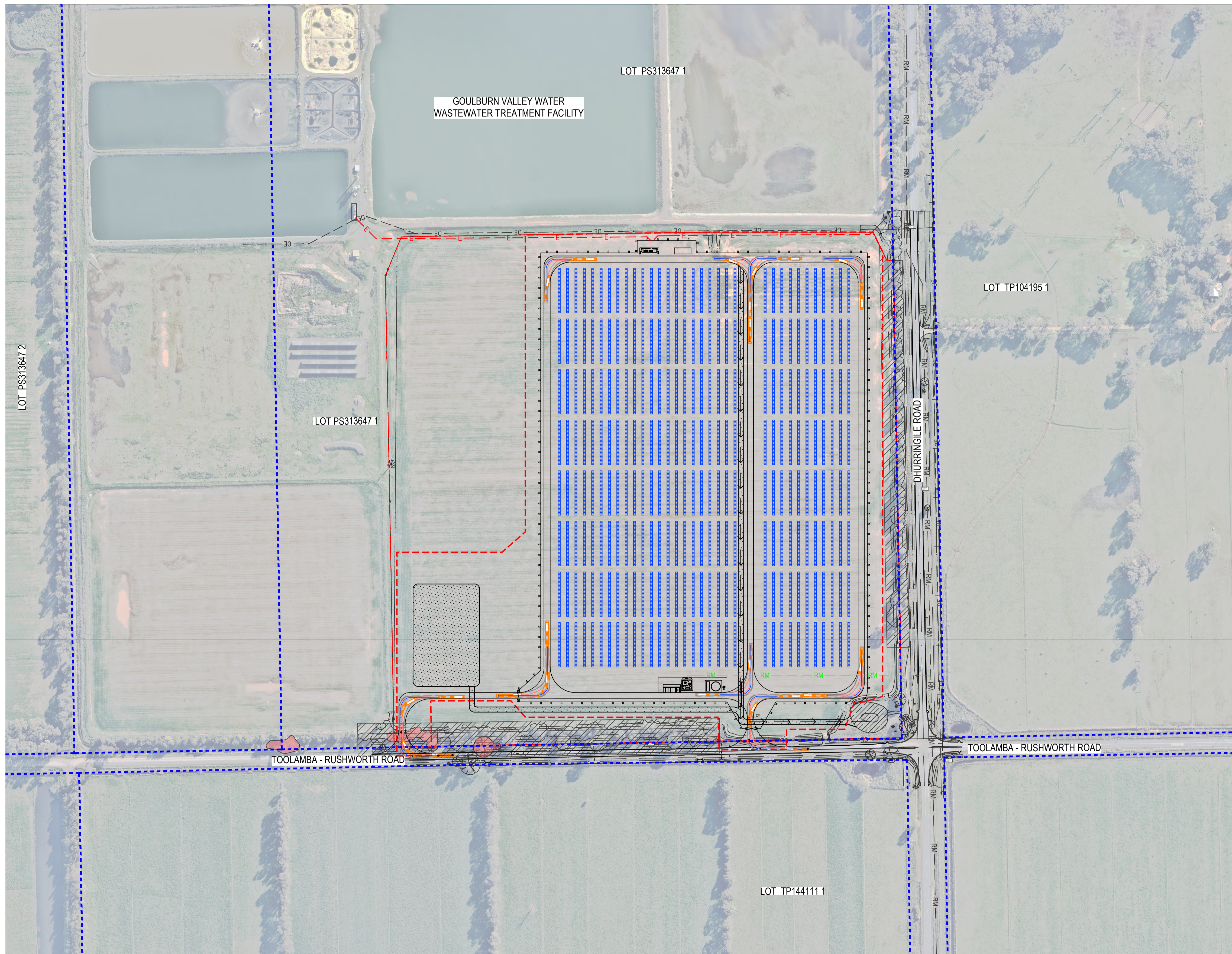
Drawing Title **TATURA ELEVATIONS**

Drawing No. **12579414-GHD-00-00-DRG-CI-00105**

Size **A1**

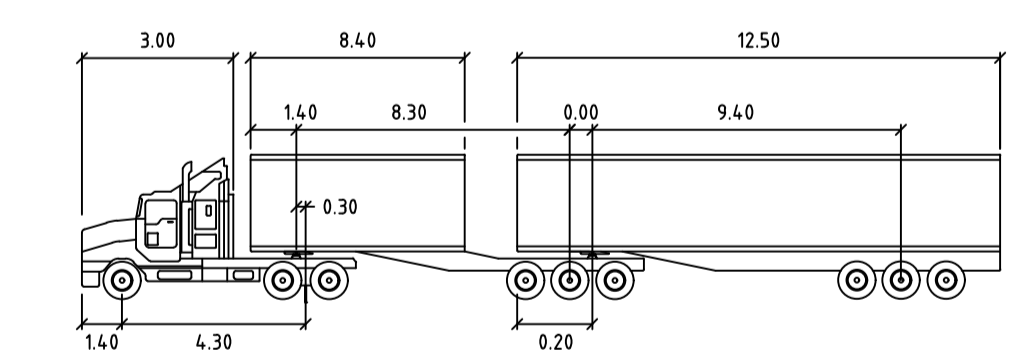
Rev **P01**





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**ADVERTISED PLAN**



B-DOUBLE 26M

meters	
Tractor Width	: 2.50
Trailer Width	: 2.50
Tractor Track	: 2.50
Trailer Track	: 2.50
Lock to Lock Time	: 6.0
Steering Angle	: 22.2
Articulating Angle	: 70.0

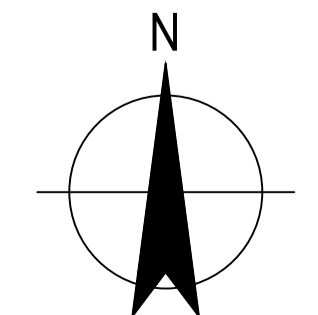
PLAN  
SCALE 1:2000



**WARNING**  
SERVICES SHOWN ON THIS DRAWING ARE APPROXIMATE ONLY. THE EXACT LOCATION IS TO BE CONFIRMED ON SITE BY CONTRACTOR PRIOR TO COMMENCEMENT OF WORKS.

Rev	Description	Checked	Approved	Date
P02	CONCEPT DESIGN UPDATE	A.V.	M.G.	19.06.24
P01	DRAFT CONCEPT DESIGN	M.G.	A.V.	19.10.23

Author M. PAÑA      Drafting Check D. KOKOTOVIC  
Designer M. JARING      Design Check M. GOODE



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Client GOULBURN VALLEY WATER  
Project GVV SOLAR FARM  
Status IN DEVELOPMENT

Drawing Title TATURA  
SWEEP PATH PLAN

Size A1

12579414-GHD-00-00-DRG-CI-00300

Rev P02

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NOTE:

- DESIGN DETAILS ARE TBC. INFORMATION SHOWN IS FOR THE PURPOSE OF INFORMATION FOR TENDERING ONLY.
- SYSTEM PROTECTIONS AND SETTINGS WOULD BE DESIGNED AND SET BASED ON POWERCOR REQUIREMENTS.

PV ARRAY

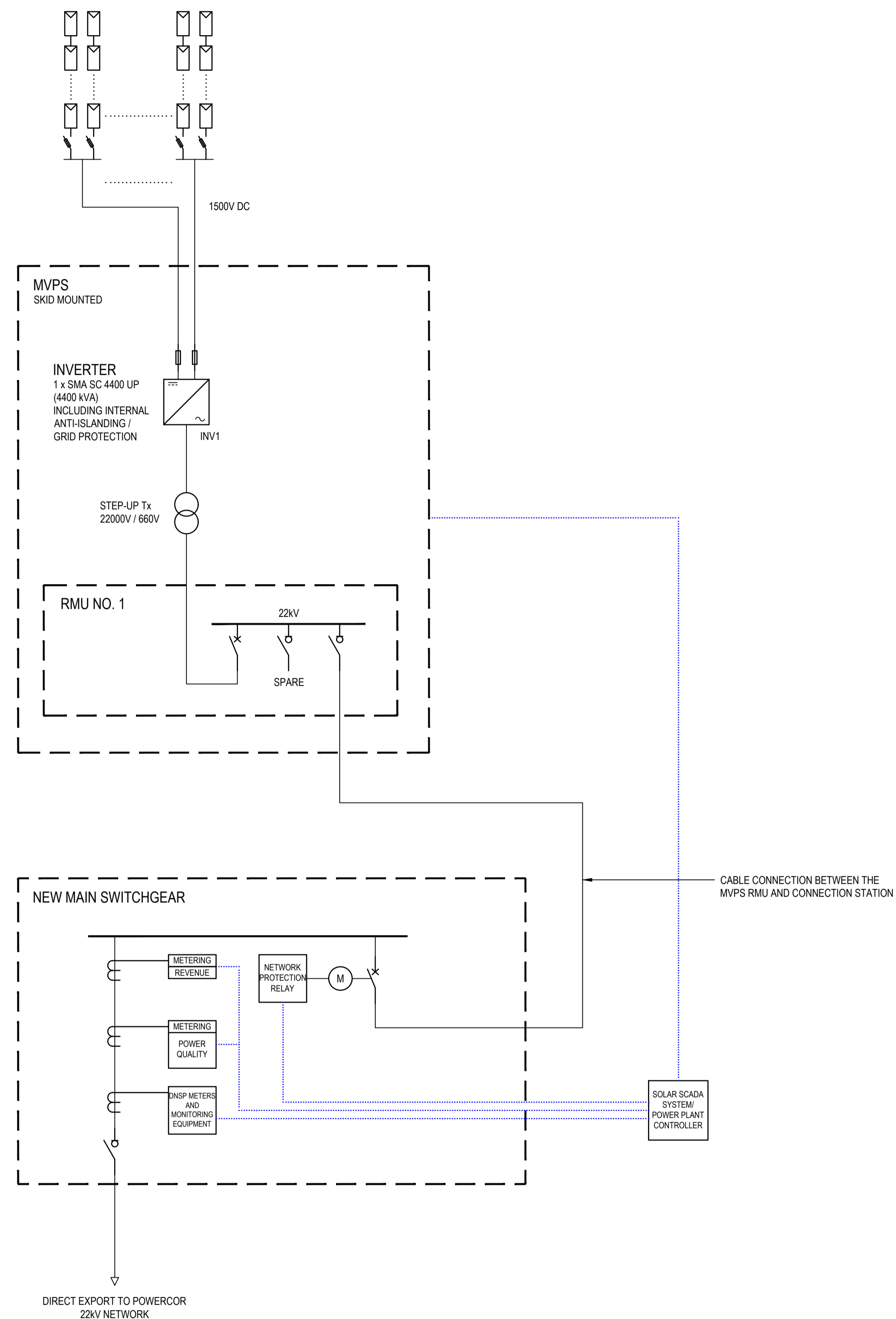
TOTAL SIZE = 5.23 MWp

EXACT STRING LENGTHS AND NO. STRING TBC  
COMBINER BOXES WITH FUSES AND SURGE PROTECTION

MV POWER STATION

TOTAL SIZE = 4.4 MW (AC)

DC: AC RATIO = 1.19



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**ADVERTISED PLAN**

ISSUED FOR PRELIMINARY CONCEPT STUDY

P02	CONCEPT DESIGN UPDATE	S.D.	M.G. 19.06.24	
P01	ISSUED FOR INFORMATION	M.G.	S.D. 27.09.23	
Rev	Description	Checked	Approved	Date
Author	J. ARELLANO	Drafting	Check	
Designer	A. JOSE	Design	Check	S. FONSEKA



Client GOULBURN VALLEY WATER

Project GVV SOLAR FARM

Status IN DEVELOPMENT

Drawing Title TATURA SINGLE LINE DIAGRAM

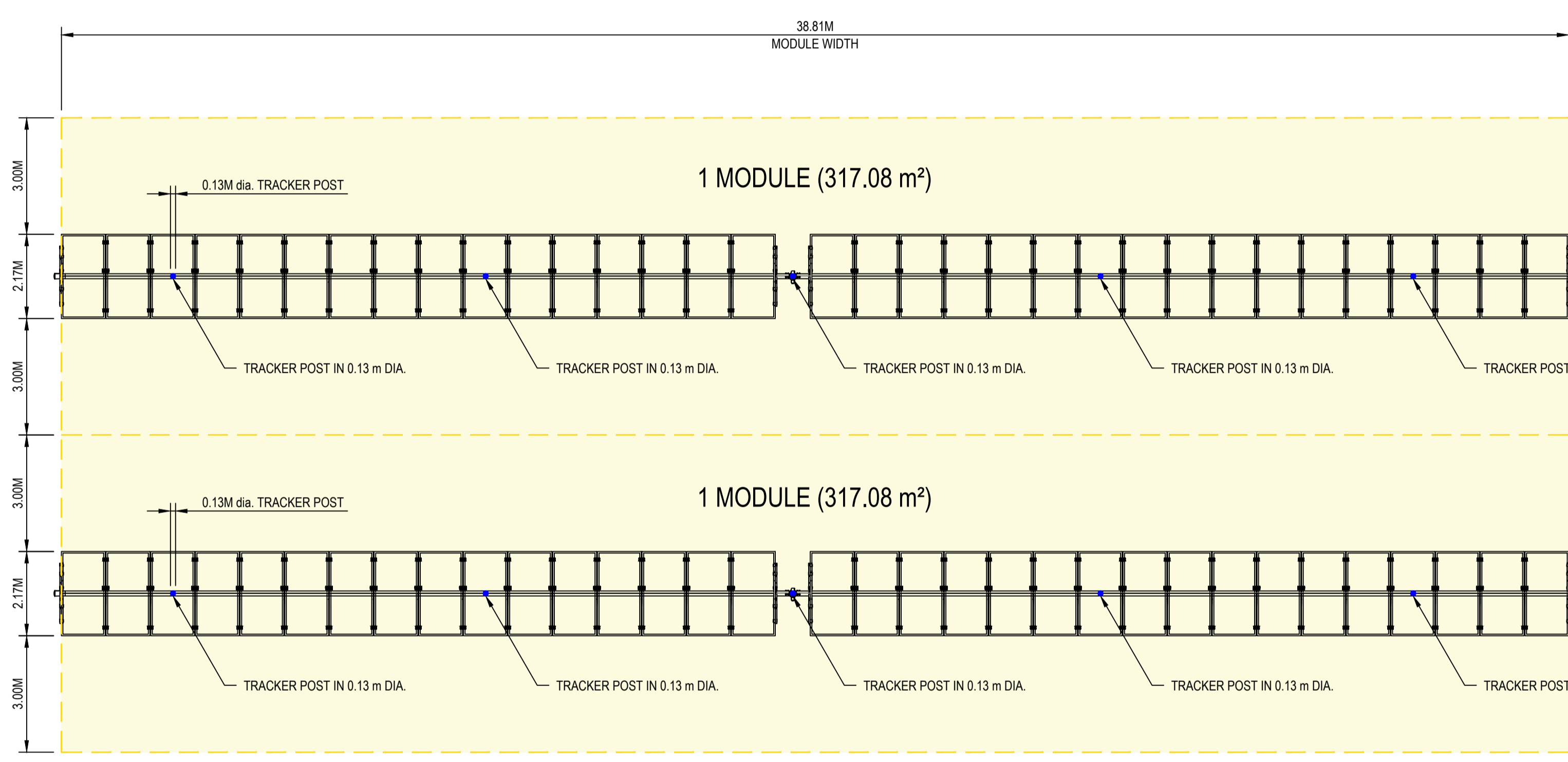
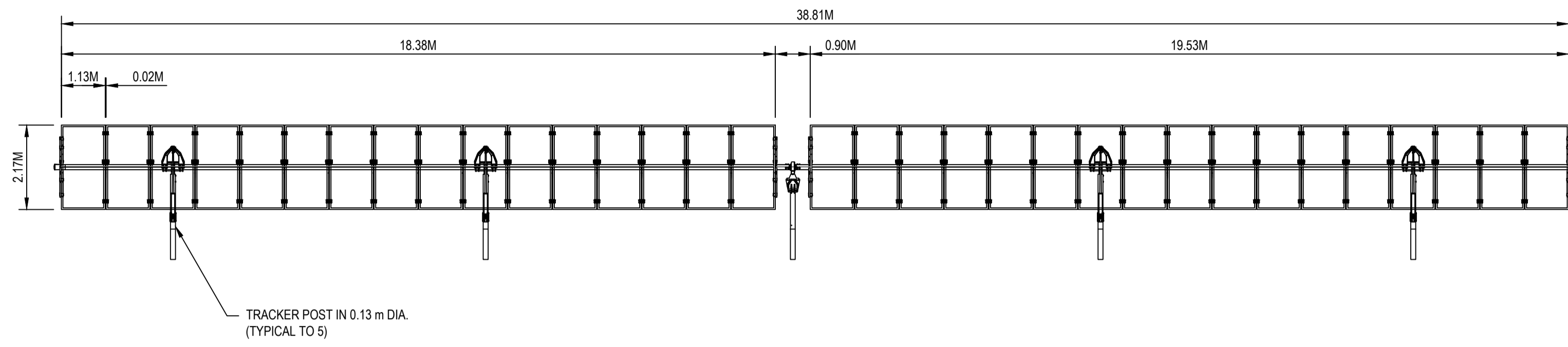
Size A1

12579414-GHD-00-00-DRG-EL-00002

Rev P02



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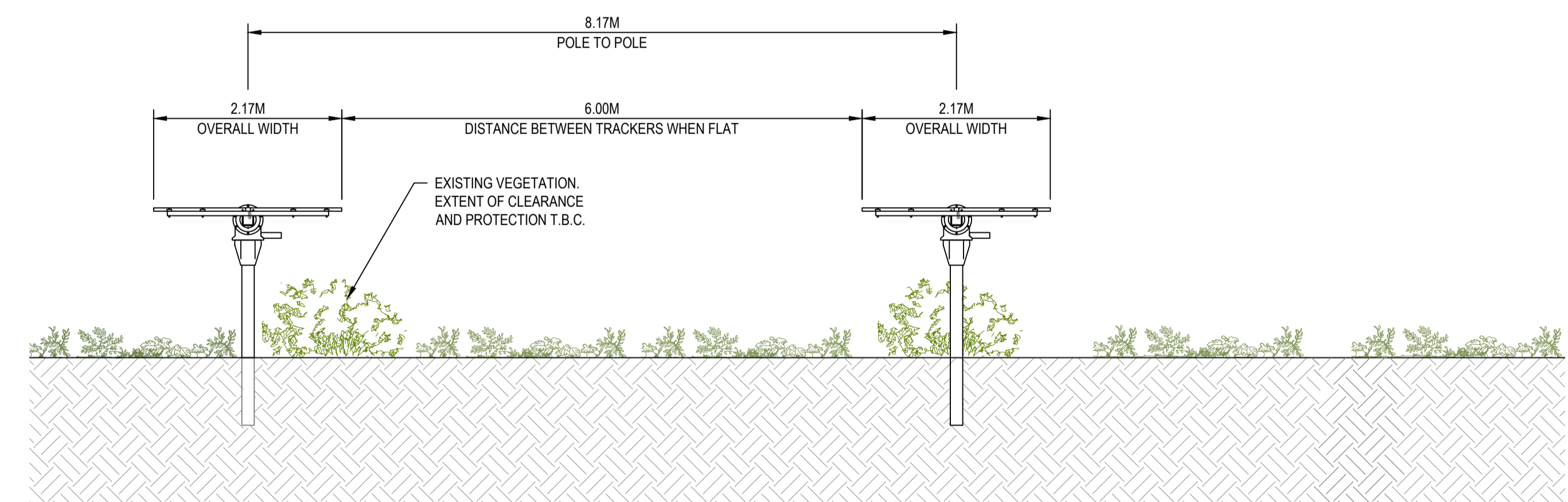
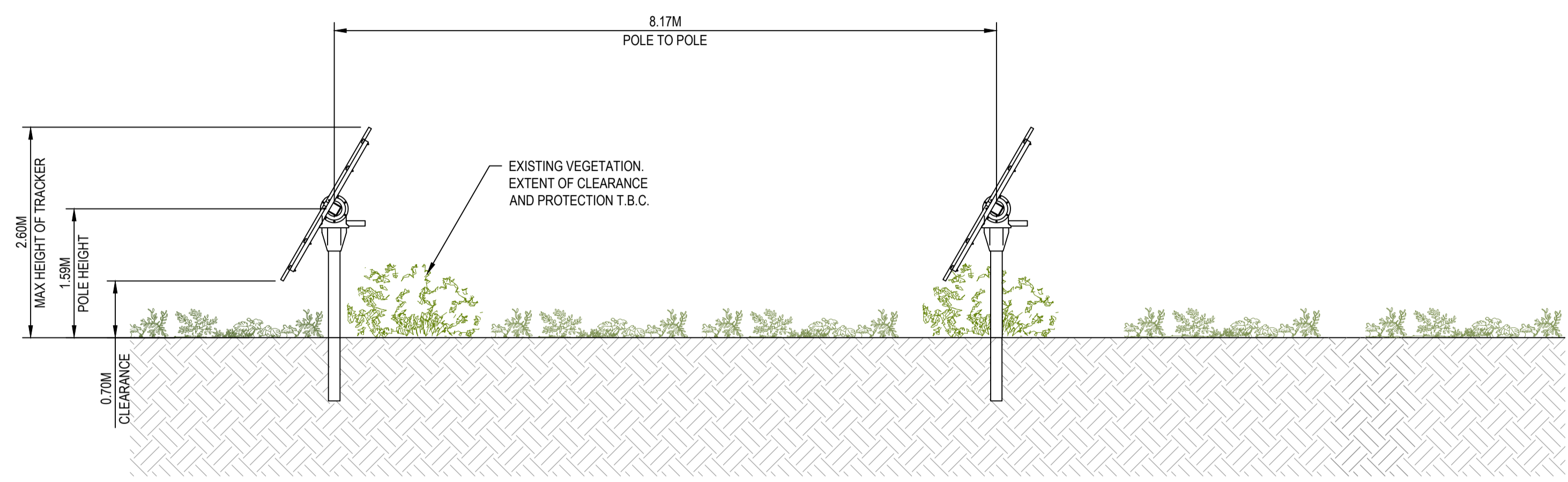


1 TYPICAL MODULE ELEVATION & PLAN  
SCALE 1 : 100

AS PER MODULE OF 317.08 m<sup>2</sup>  
 TOTAL TRACKER POSTS FOOTPRINT (5 x POST) = 0.066 m<sup>2</sup>  
 OVERALL PANEL AREA = 85 m<sup>2</sup> = 27%

TOTAL NUMBER OF TRACKER MODULE = 264  
 TOTAL TRACKER TRACKER AREAS = 264 x 317.08 m<sup>2</sup> = 83,709.12 m<sup>2</sup>  
 OVERALL PANEL AREA (ABOVE GROUND CANOPY 264 x 0.066 m<sup>2</sup> = 17.424 m<sup>2</sup>

ADVERTISED PLAN



2 TRACKER TYPICAL ARRANGEMENT  
SCALE 1 : 50

Rev	Description	Checked	Approved	Date
P02	CONCEPT DESIGN UPDATE	S.D.	M.G.	19.06.24
P01	ISSUED FOR INFORMATION	M.G.	S.D.	27.09.23
Author	J. ARELLANO	Drafting Check		
Designer	A. JOSE	Design Check S. FONSEKA		

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Project No.  
12579414

Client GOULBURN VALLEY WATER  
 Project GWV SOLAR FARM  
 Status IN DEVELOPMENT

Drawing Title TATURA SOLAR TRAKER DETAIL  
 Drawing No. 12579414-GHD-00-00-DRG-EL-00003  
 Rev P02

Size A1