

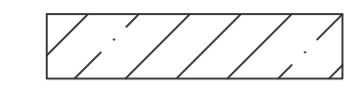
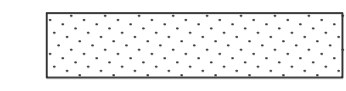

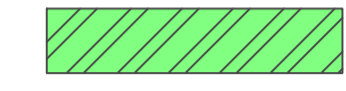
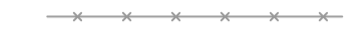
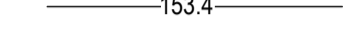
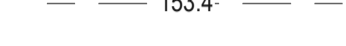








PLAN
SCALE 1:2500

ADVERTISED
PLAN

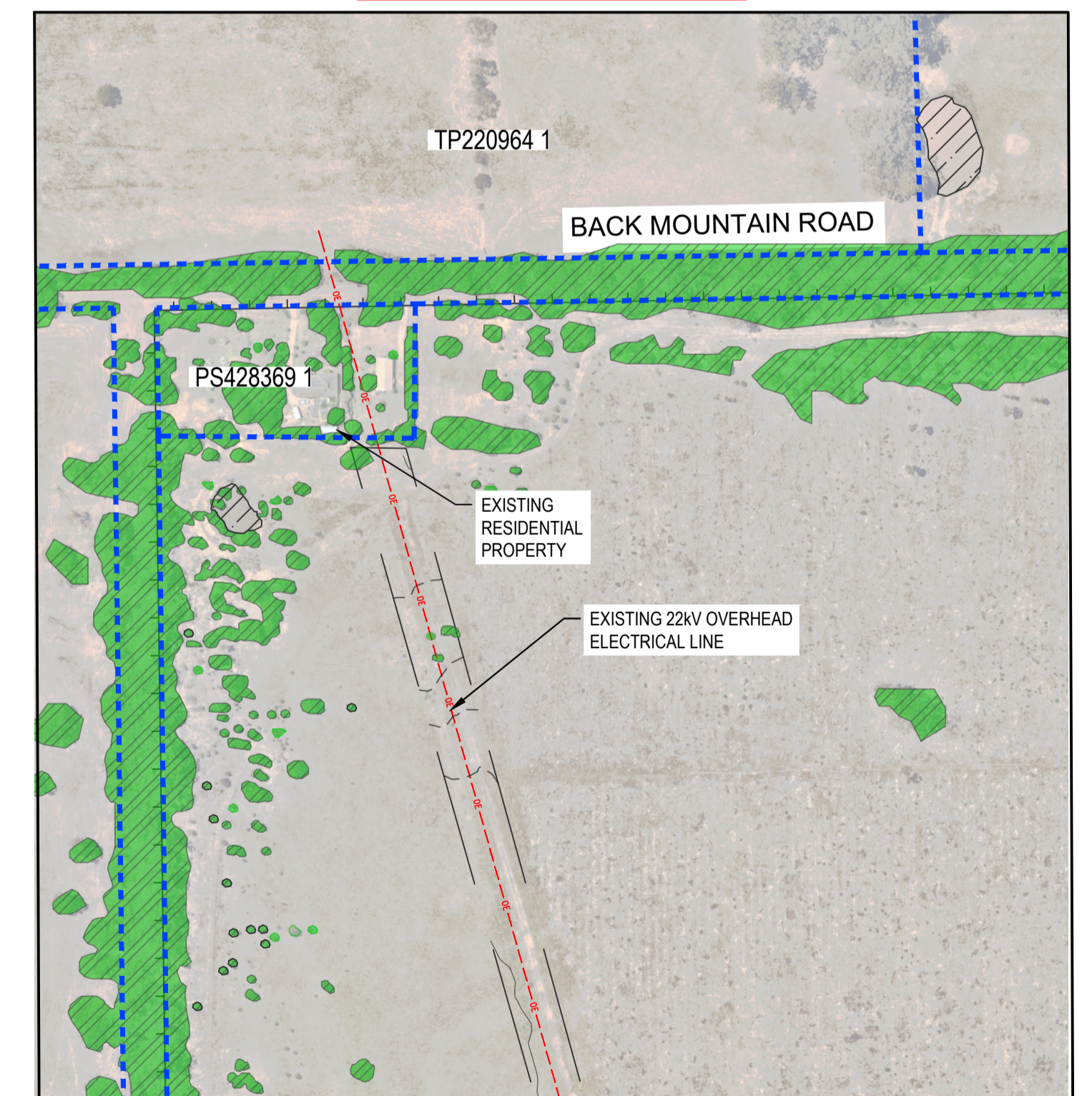
LEGEND

-  EXISTING LOT BOUNDARY
-  SITE BOUNDARY (AREA = 245,745 m²)
-  EXISTING DAM / WATER DETENTION FEATURE
-  OVERLAND FLOW AREA
-  OVERLAND FLOW DIRECTION
-  EXISTING VEGETATION TO REMAIN
-  EXISTING FENCE
-  EXISTING MAJOR CONTOURS
-  EXISTING MINOR CONTOURS
-  EXISTING OVERHEAD ELECTRICAL POST
-  EXISTING GATE
-  EXISTING OVERHEAD 22KV ELECTRICITY
-  EXISTING TELECOMMUNICATIONS LINE
-  EXISTING HIGH PRESSURE GAS LINE
-  EXISTING WATER MAIN

NOTES:

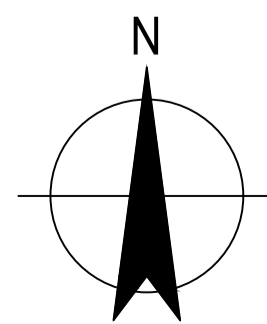
1. SITE AREA UNDERSTOOD TO BE RECENTLY CLEARED FOREST LAND USED FOR POST-TREATMENT WASTEWATER DISPERSION.

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INSET A
SCALE 1:2500

| P03 | CONCEPT DESIGN UPDATE | A.V. | M.G. | 26.07.24 |
|----------|-----------------------|----------------|--------------|----------|
| 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 | |



Client GOULBURN VALLEY WATER
Project GWV SOLAR FARM
Status IN DEVELOPMENT

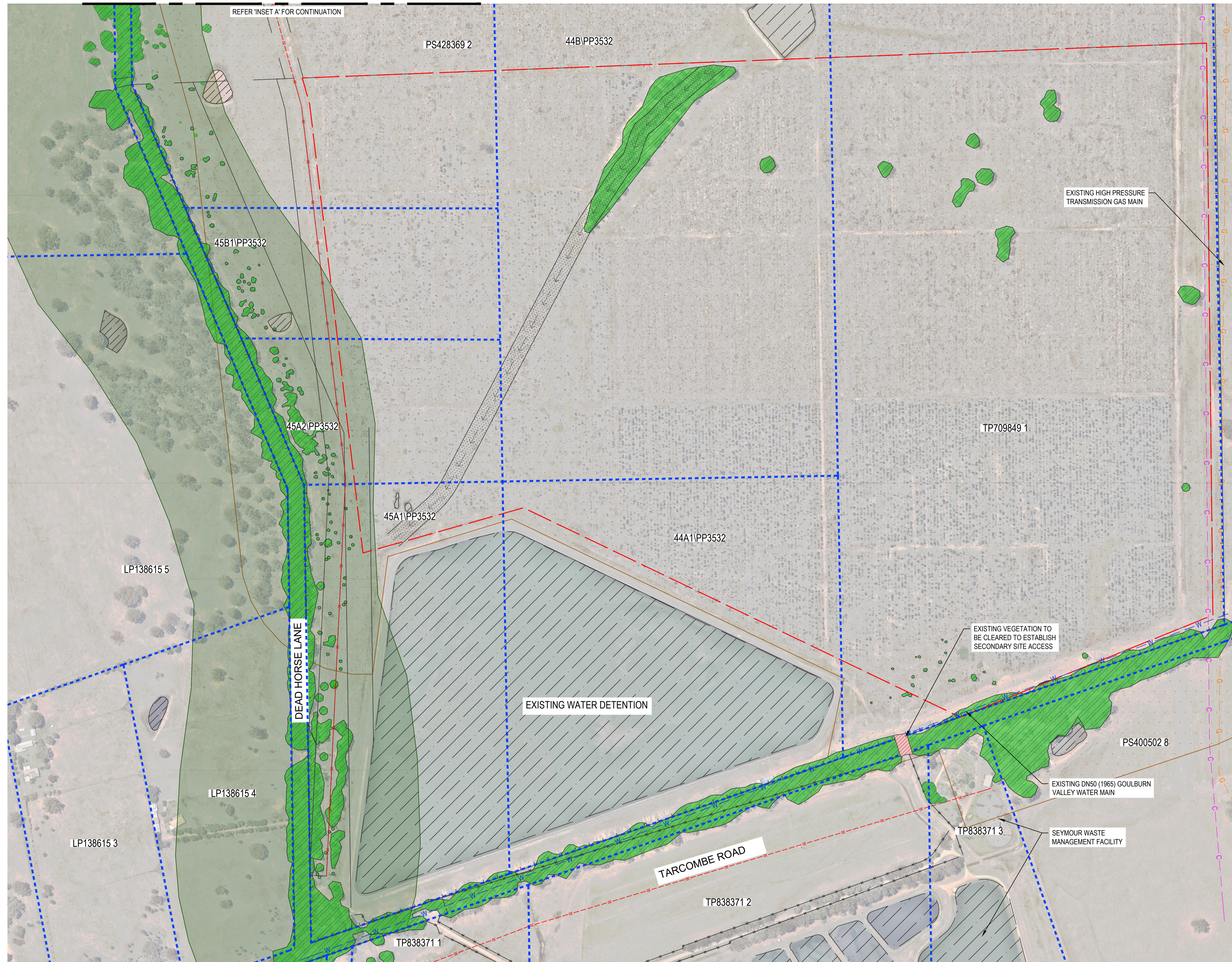
Drawing Title SEYMOUR
EXISTING CONDITIONS PLAN

12579414-GHD-00-00-DRG-CI-00020

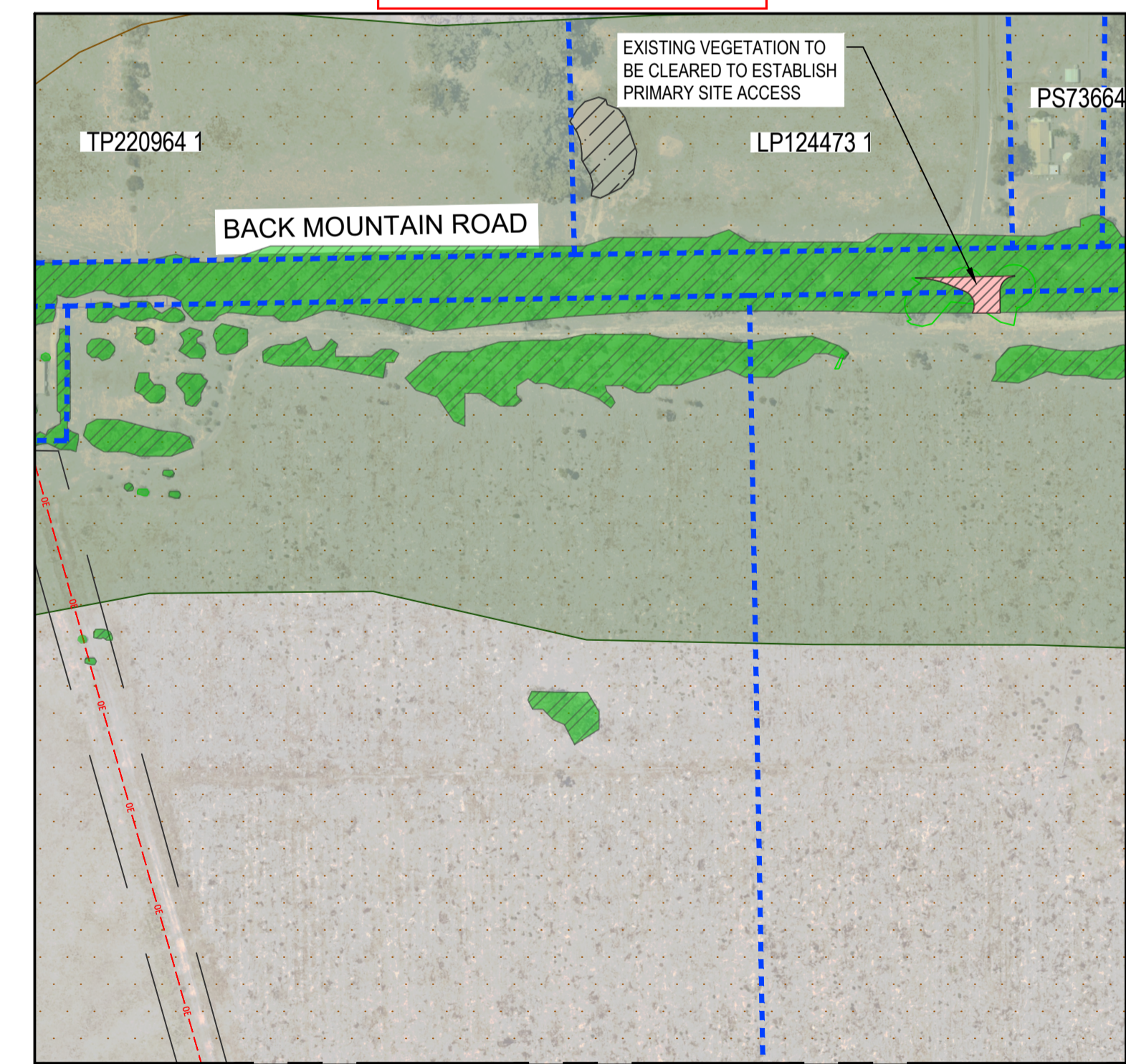
Size
A1

Rev
P03

ADVERTISED PLAN



PLAN
SCALE 1:2500



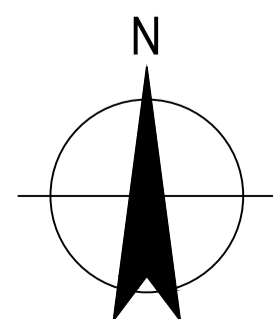
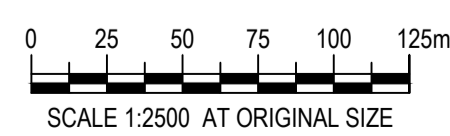
INSET A
SCALE 1:2500

LEGEND

- EXISTING LOT BOUNDARY
- SITE BOUNDARY (AREA = 245,745 m²)
- EXISTING FENCE
- PROPOSED UNSEALED ROADS
- EXISTING DAM / WATER DETENTION FEATURE
- OVERLAND FLOW AREA
- OVERLAND FLOW DIRECTION
- 30m VEGETATION BUFFER ZONE
- EXISTING VEGETATION ZONE
- EXISTING NATIVE VEGETATION TO BE CLEARED
- EXISTING VEGETATION TO REMAIN
- VEGETATION PROTECTION OVERLAY
- BUSHFIRE MANAGEMENT OVERLAYS
- WETLAND OVERLAY
- WETLAND OVERLAY

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| | | | |
|--------------------|-----------------------------|----------|----------|
| P01 CONCEPT DESIGN | M.G. | A.V. | 26.07.24 |
| Rev Description | Checked | Approved | Date |
| Author M. PAÑA | Drafting Check D. KOKOTOVIC | | |
| Designer M. JARING | Design Check M. GOODE | | |



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Project No.
12579414

Client GOULBURN VALLEY WATER
Project GVV SOLAR FARM
Status IN DEVELOPMENT

Drawing Title VEGETATION REMOVAL PLAN





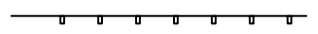

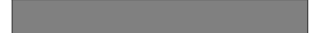
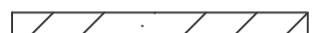













12579414-GHD-00-00-DRG-CI-00021

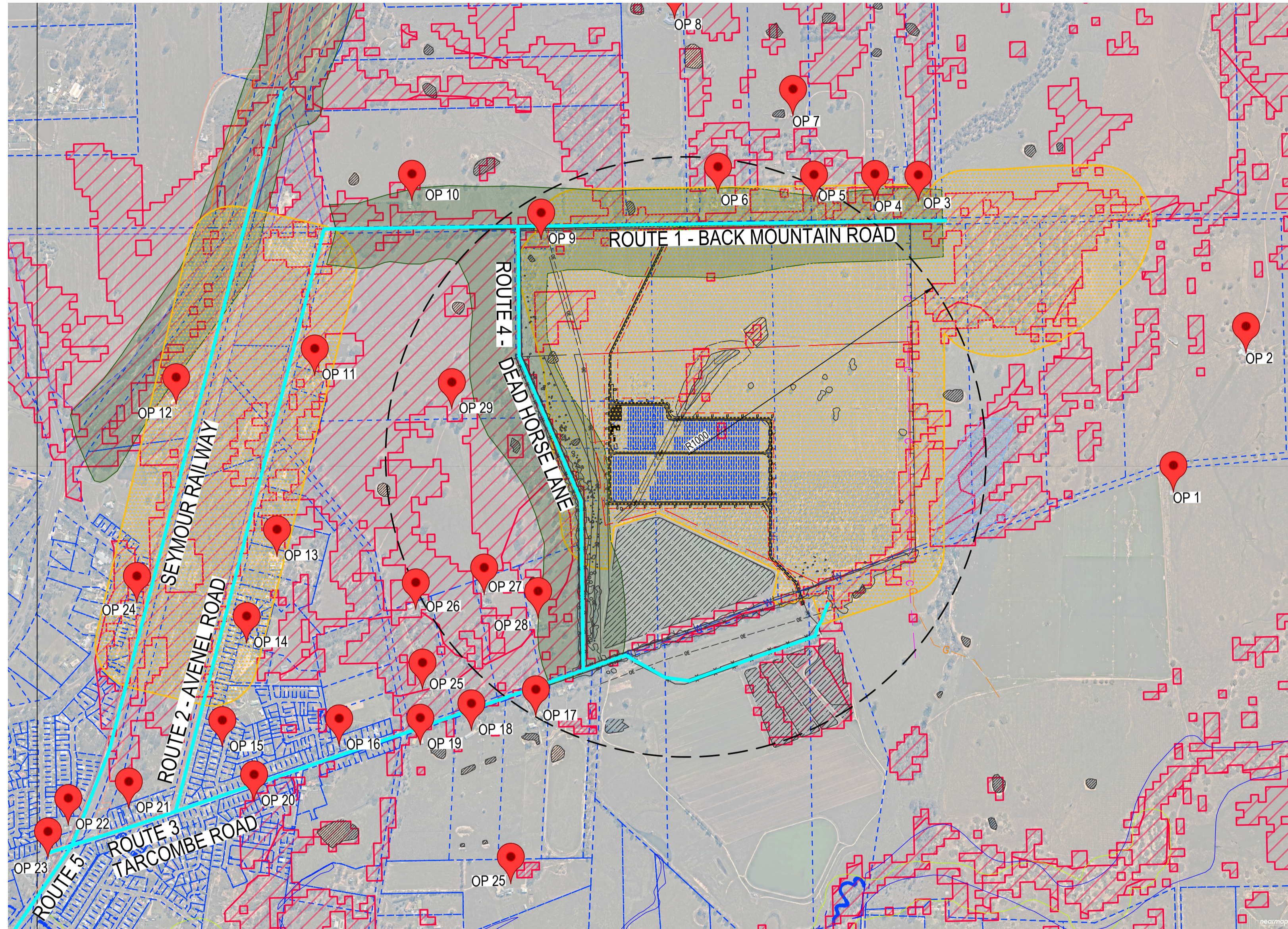
Size
A1

Rev
P01

ADVERTISED PLAN

LEGEND

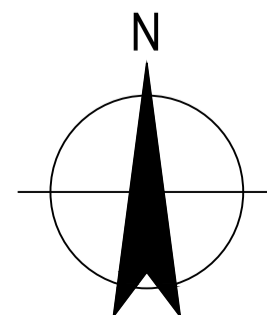
-  EXISTING LOT BOUNDARY
-  SITE BOUNDARY (AREA = 245,745 m²)
-  EXTENT OF WORKS / PROJECT AREA (AREA = 187,496 m²)
-  INDICATIVE SOLAR PANEL
-  PROPOSED FENCE
-  EXISTING FENCE
-  PROPOSED UNSEALED ROADS
-  EXISTING DAM / WATER DETENTION FEATURE
-  OVERLAND FLOW DIRECTION
-  VEGETATION PROTECTION OVERLAY
-  BUSHFIRE MANAGEMENT OVERLAYS
-  EVC - ECOLOGICAL VEGETATION CLASS
-  WETLAND OVERLAY
-  FLOODWAY OVERLAY
-  HERITAGE OVERLAY OVERLAY
-  ENVIRONMENTAL SIGNIFICANCE OVERLAY
-  LAND SUBJECT TO INUNDATION OVERLAY
-  SPECIFIC CONTROLS OVERLAY
-  DEVELOPMENT PLAN OVERLAY
-  PUBLIC ACQUISITION OVERLAY
-  OBSERVER POINT (REFER TO GHD 12579414-RPT_GOULBURN VALLEY SOLAR FARMS SEYMOUR SOLAR GLARE ASSESSMENT REPORT FOR DETAILS)



PLAN
SCALE 1:10000

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| | | | |
|--------------------|-----------------------------|----------|----------|
| P01 CONCEPT DESIGN | M.G. | A.V. | 26.07.24 |
| Rev Description | Checked | Approved | Date |
| Author M. PAÑA | Drafting Check D. KOKOTOVIC | | |
| Designer M. JARING | Design Check M. GOODE | | |



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Project No.
12579414

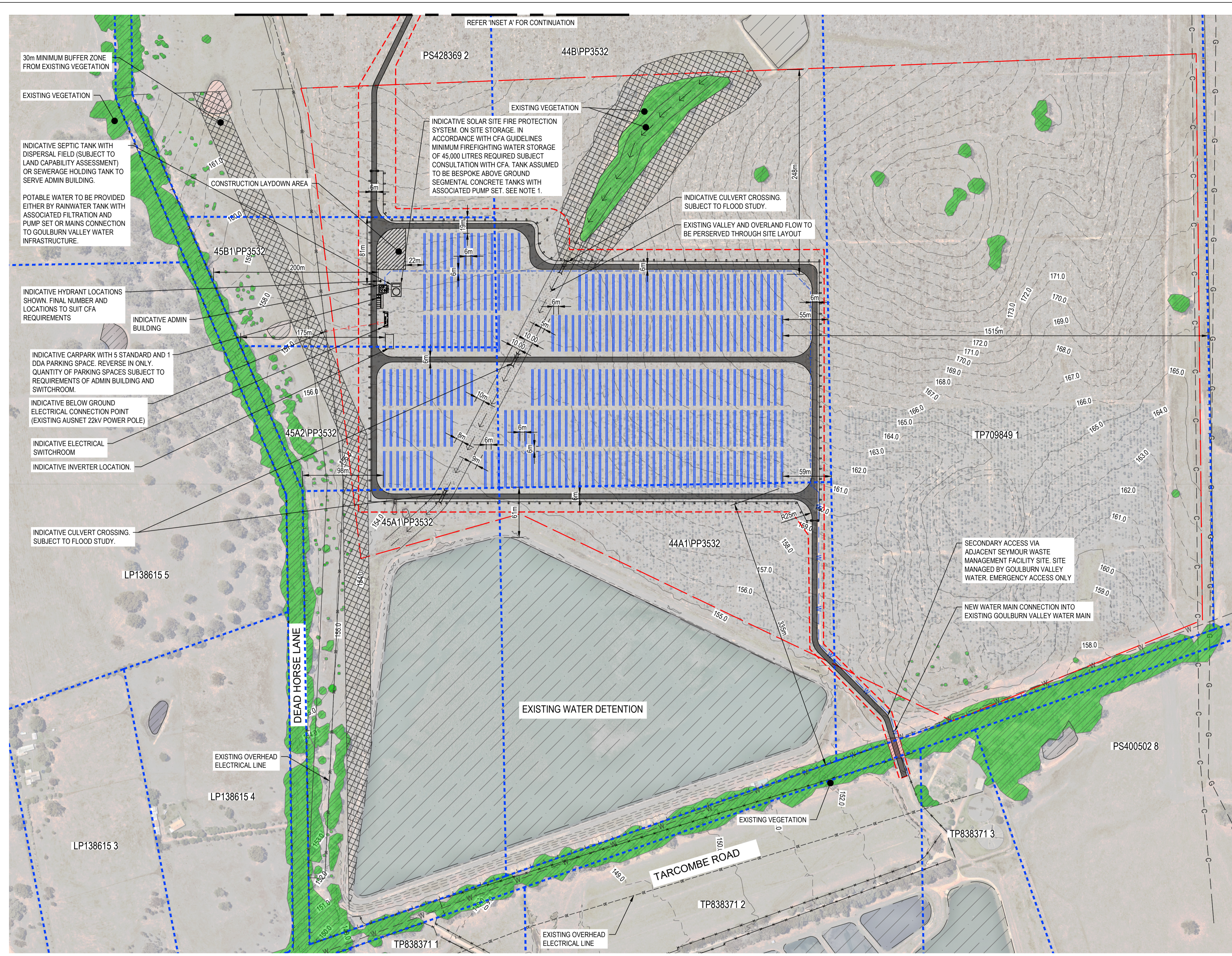
Client GOULBURN VALLEY WATER
Project GVV SOLAR FARM
Status IN DEVELOPMENT

Drawing Title
SEYMOUR
SITE OVERLAYS AND
CONTEXT

12579414-GHD-00-00-DRG-CI-00022

Size
A1
Rev
P01

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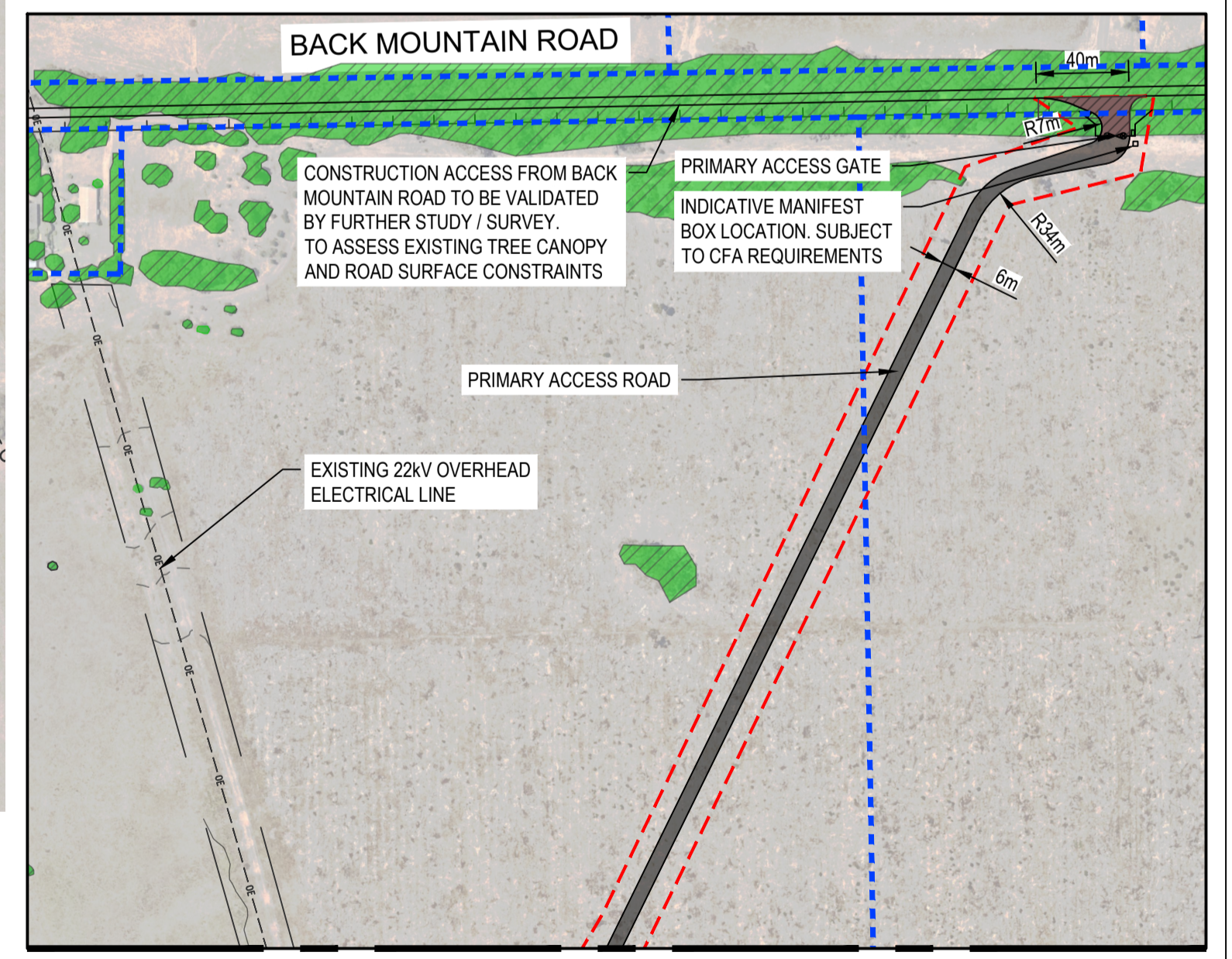


PLAN
SCALE 1:2500

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

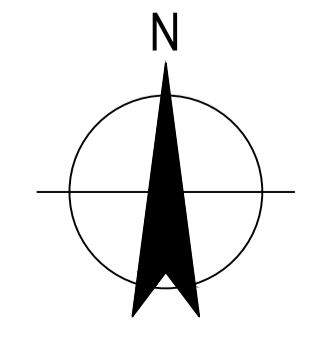
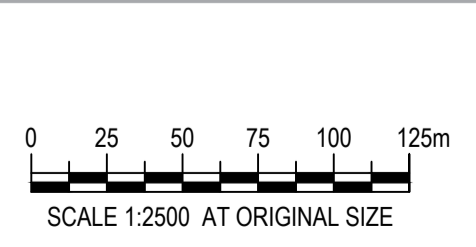
- LEGEND**
- EXISTING LOT BOUNDARY
 - SITE BOUNDARY (AREA = 245,745 m²)
 - EXTENT OF WORKS / PROJECT AREA (AREA = 187,496 m²)
 - 30m VEGETATION BUFFER ZONE
 - EXISTING DAM / WATER DETENTION FEATURE
 - OVERLAND FLOW AREA
 - OVERLAND FLOW DIRECTION
 - EXISTING VEGETATION TO REMAIN
 - EXISTING FENCE
 - 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
 - EXISTING OVERHEAD 22KV ELECTRICITY
 - EXISTING TELECOMMUNICATIONS LINE
 - EXISTING HIGH PRESSURE GAS LINE
 - EXISTING WATER MAIN

ADVERTISED PLAN



INSET A
SCALE 1:2500

| P03 | CONCEPT DESIGN UPDATE | A.V. | M.G. | 26.07.24 |
|----------|-----------------------|----------------|--------------|----------|
| P02 | CONCEPT DESIGN | M.G. | A.V. | 19.10.23 |
| P01 | DRAFT CONCEPT DESIGN | A.V. | M.G. | 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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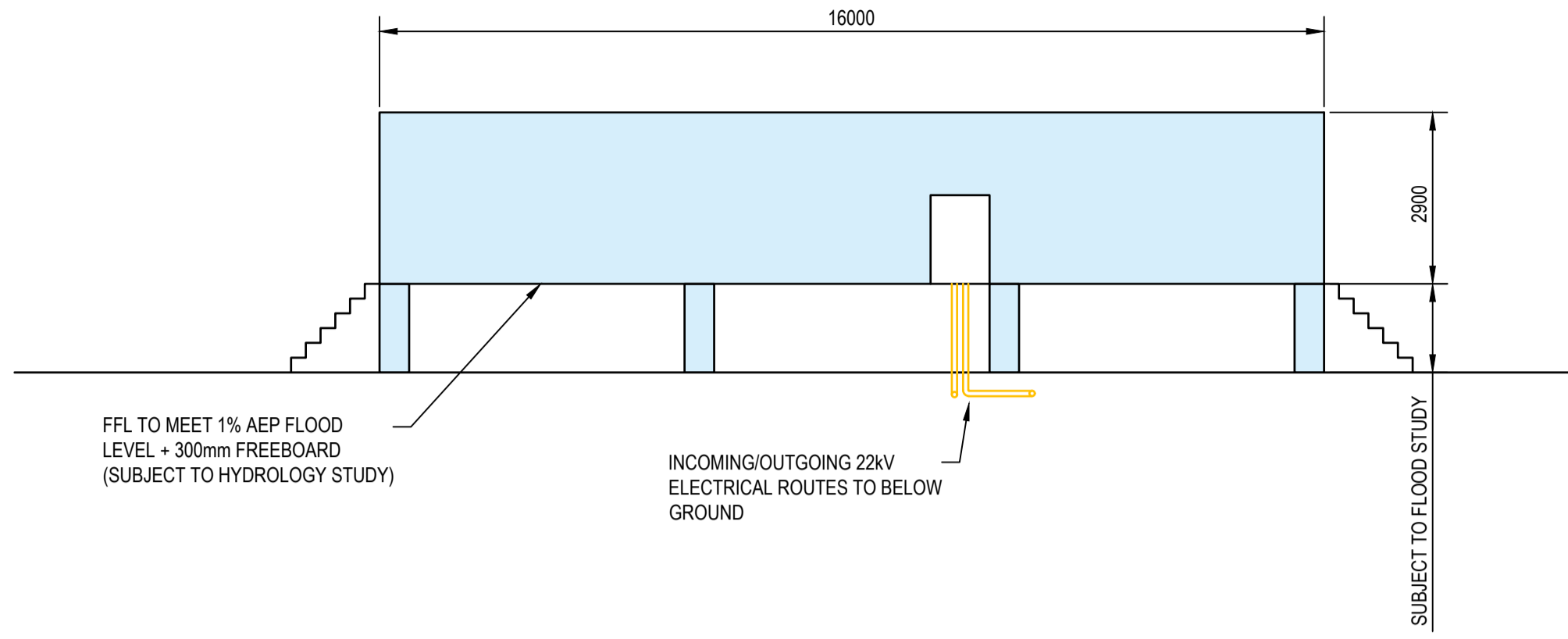


Client **GOULBURN VALLEY WATER**
Project **GWV SOLAR FARM**
Status **IN DEVELOPMENT**

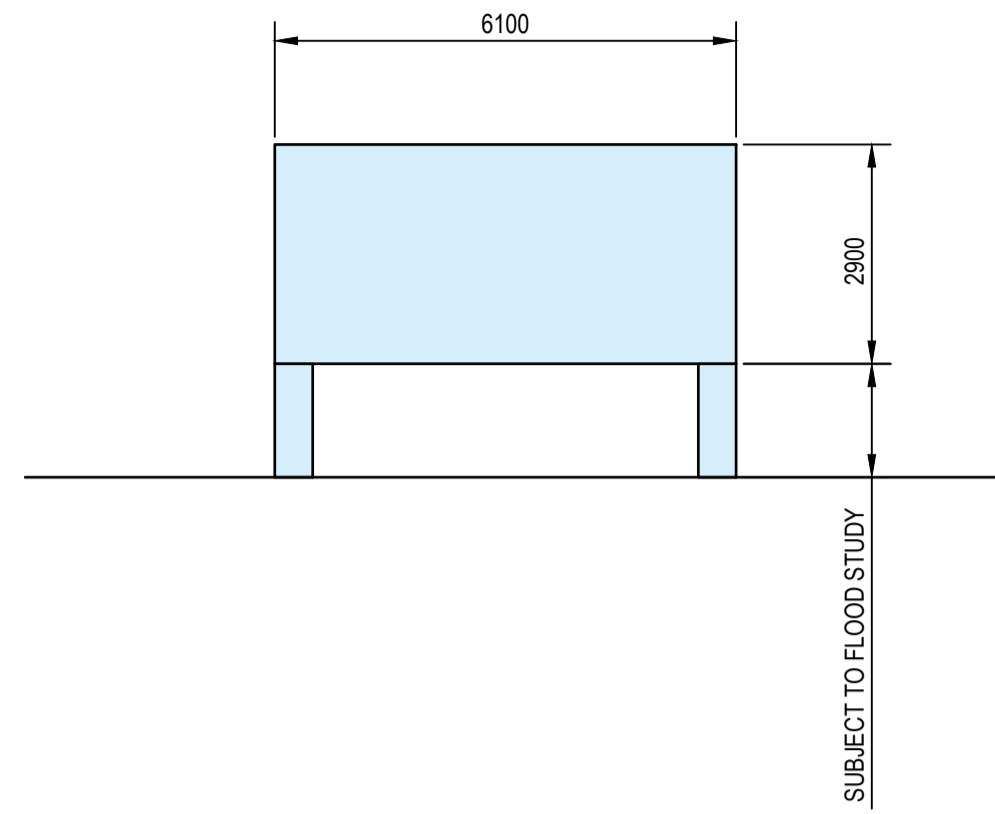
Drawing Title **SEYMOUR SITE LAYOUT PLAN**

12579414-GHD-00-00-DRG-CI-00200

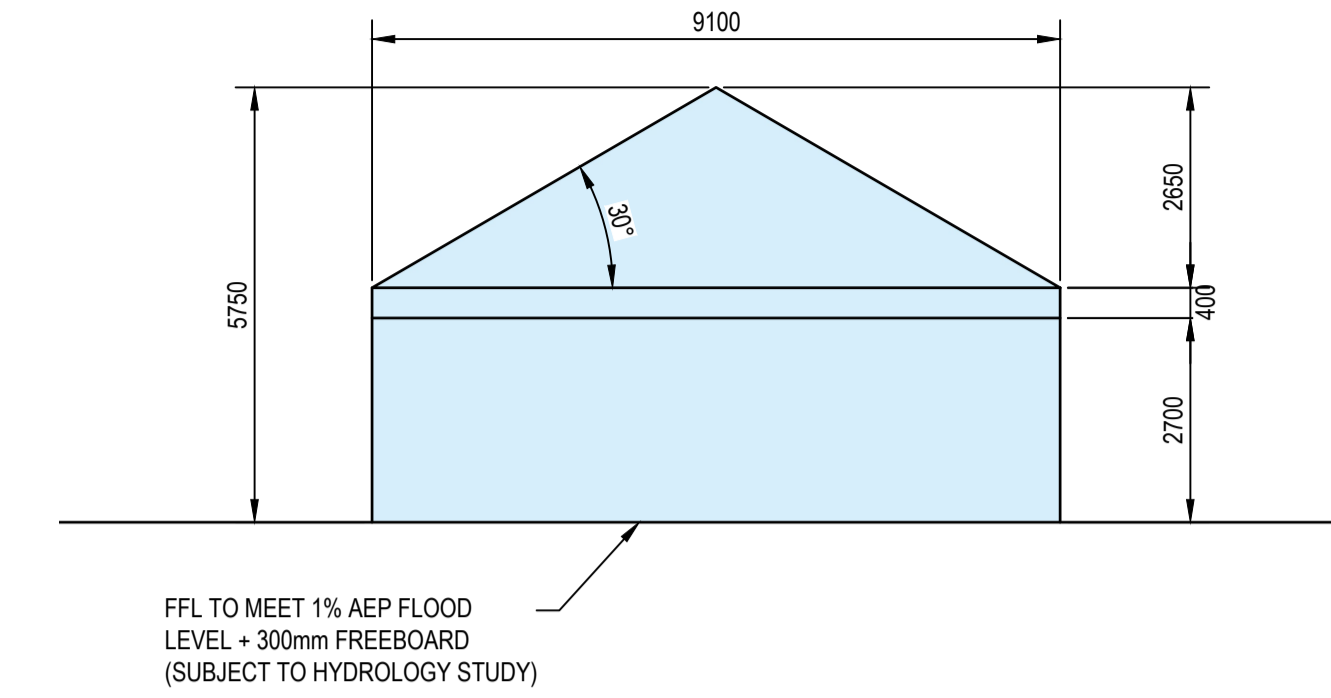
Size **A1**
Rev **P03**



CONTROL ROOM - INDICATIVE ELEVATION
SCALE 1:100

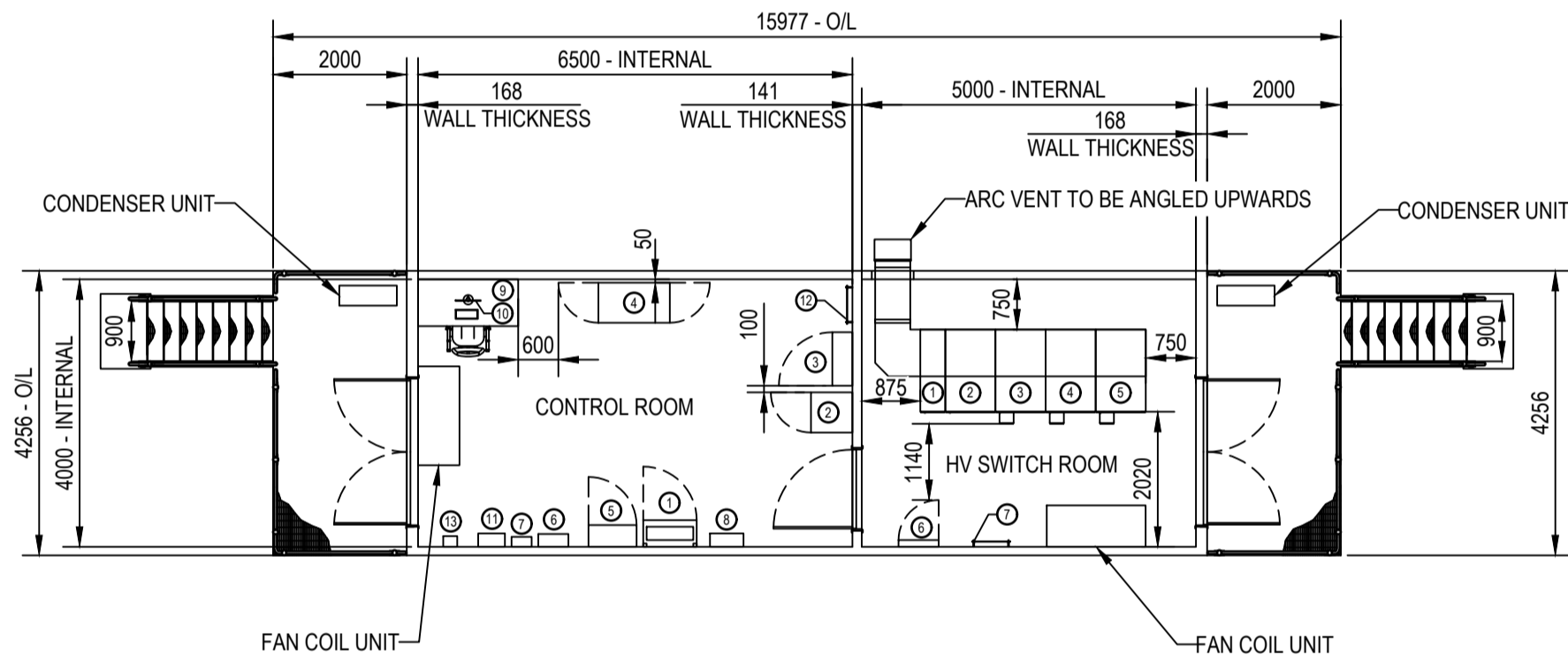


INVERTER - INDICATIVE ELEVATION
SCALE 1:100

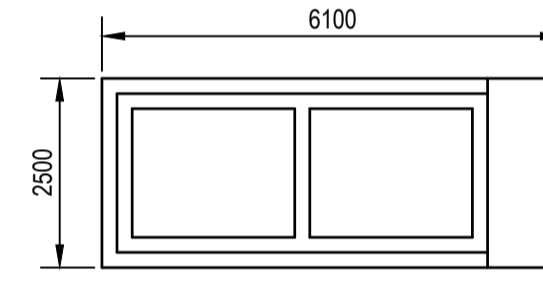


ADMIN BUILDING - INDICATIVE ELEVATION
SCALE 1:100

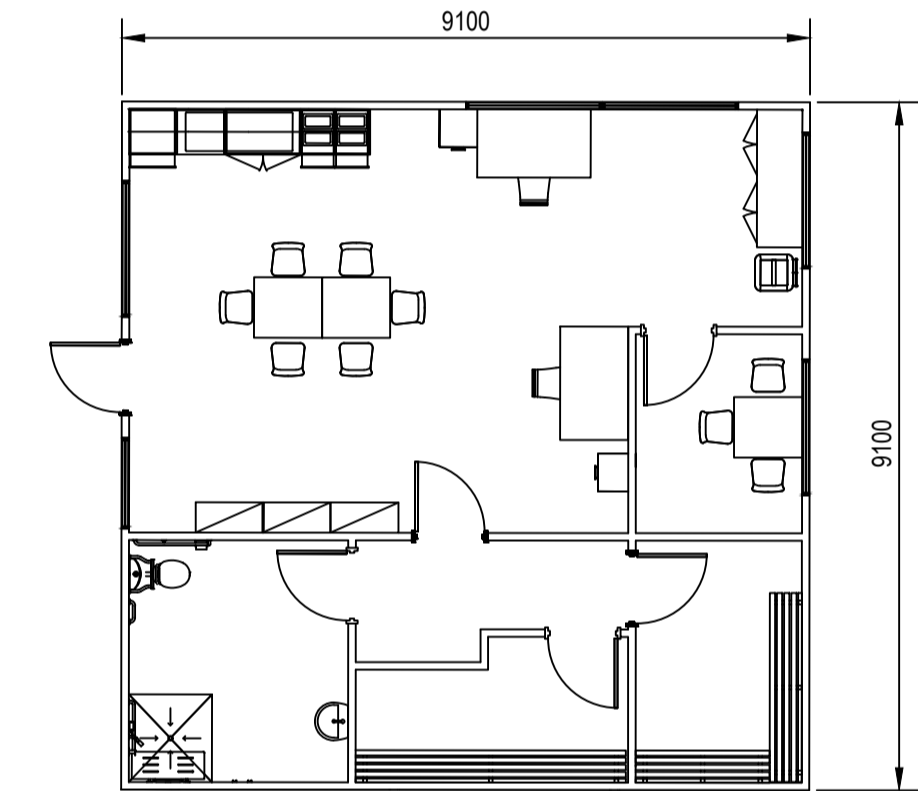
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CONTROL ROOM / HV SWITCHROOM - INDICATIVE LAYOUT
SCALE 1:100



INVERTER - INDICATIVE LAYOUT
SCALE 1:100



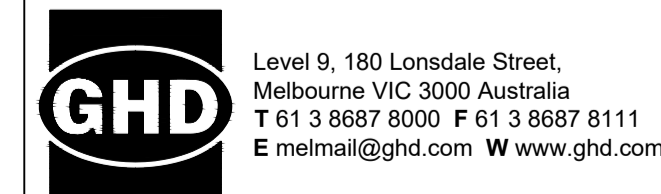
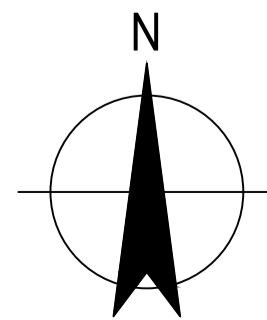
ADMIN BUILDING - INDICATIVE LAYOUT
SCALE 1:100

| 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 | M.G. | M.G. | 26.07.24 |
|----------|----------------|----------------|--------------|----------|
| Rev | Description | Checked | Approved | Date |
| Author | M. PAÑA | Drafting Check | D. KOKOTOVIC | |
| Designer | M. JARING | Design Check | M. GOODE | |



Project No.
12579414

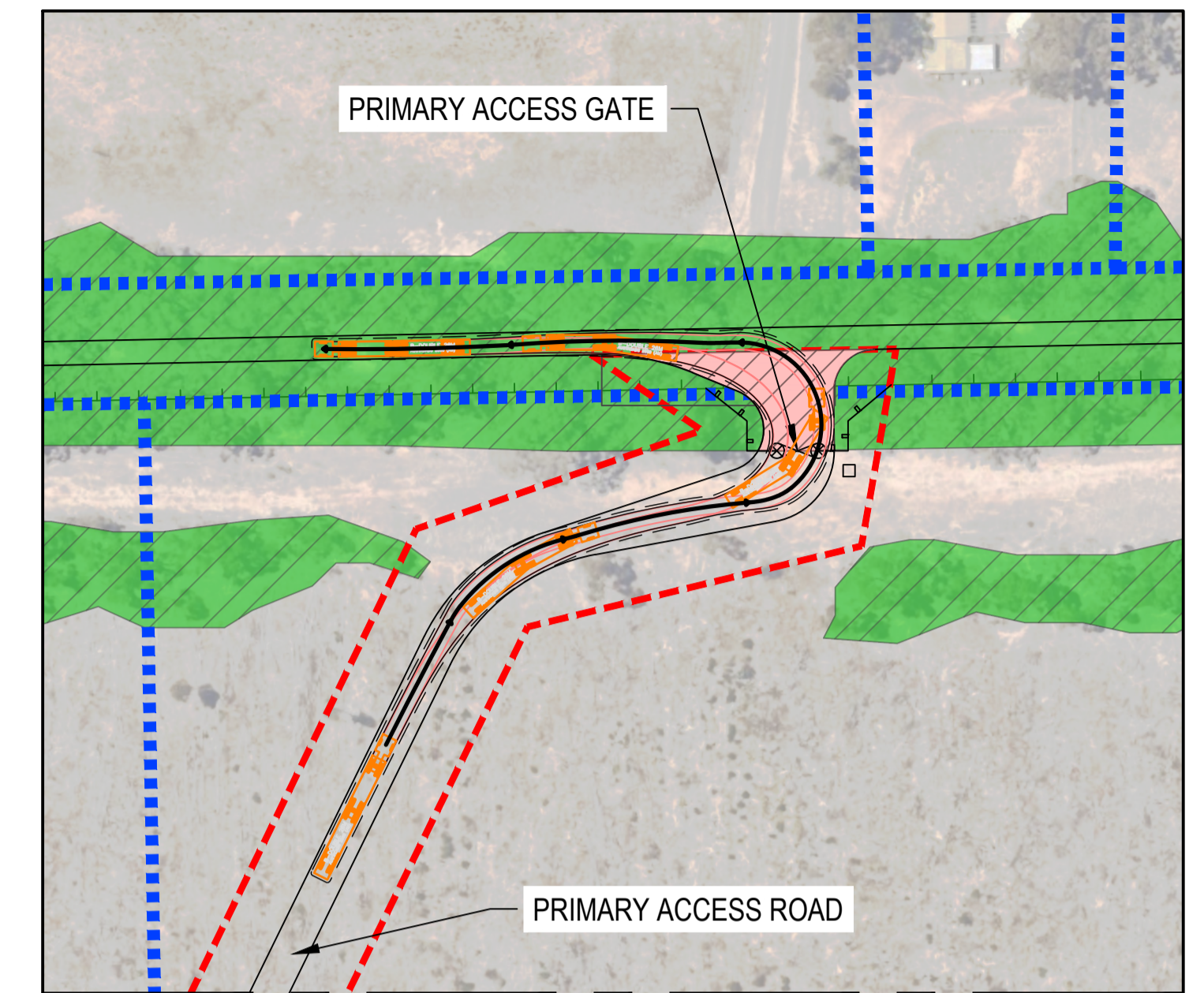
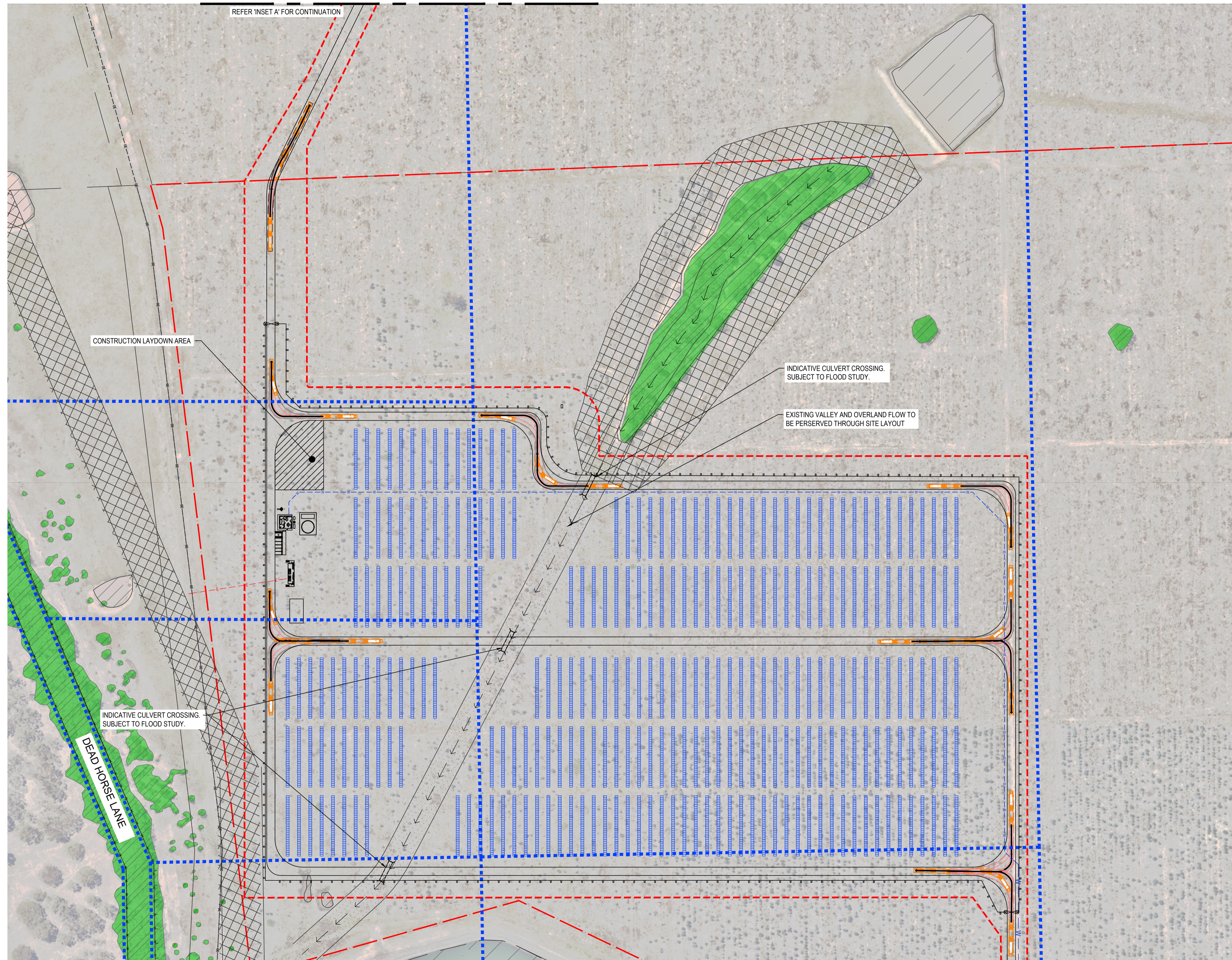
Client **GOULBURN VALLEY WATER**
Project **GVW SOLAR FARM**
Status **IN DEVELOPMENT**

Drawing Title **SEYMOUR ELEVATIONS**

Drawing No. **12579414-GHD-00-00-DRG-CI-00205**

Size **A1**

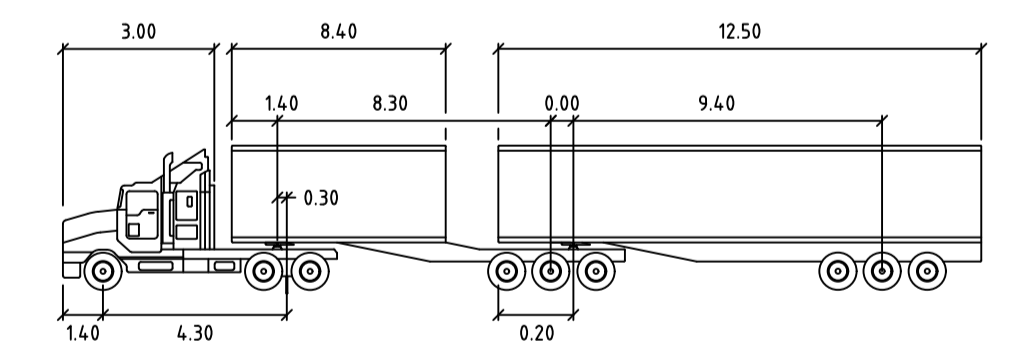
Rev **P01**



INSET A
SCALE 1:1000

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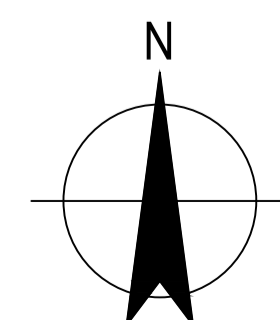
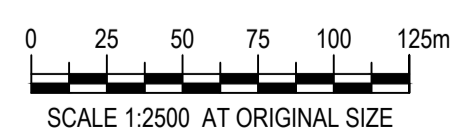
ADVERTISED PLAN



B-DOUBLE 26M

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

PLAN
SCALE 1:1500



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Project No.
12579414

Client GOULBURN VALLEY WATER
Project GWV SOLAR FARM
Status IN DEVELOPMENT



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.

Drawing Title
SEYMOUR
SWEEP PATH PLAN

12579414-GHD-00-00-DRG-CI-00400

Size
A1

Rev
P02

| Rev | Description | Checked | Approved | Date |
|-----|-----------------------|---------|----------|----------|
| P02 | CONCEPT DESIGN UPDATE | A.V. | M.G. | 26.07.24 |
| P01 | DRAFT CONCEPT DESIGN | M.G. | A.V. | 19.10.23 |

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

Plot Date: 26 July 2024 - 1:12 PM
Plotted by: Maya Paña

File Name: C:\12d\SWdata\IP-00-12D-001\31-12579414 - GWV SOLAR FARM_2742\CADD\Drawings\12579414-GHD-00-00-DRG-CI-00400.dwg

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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

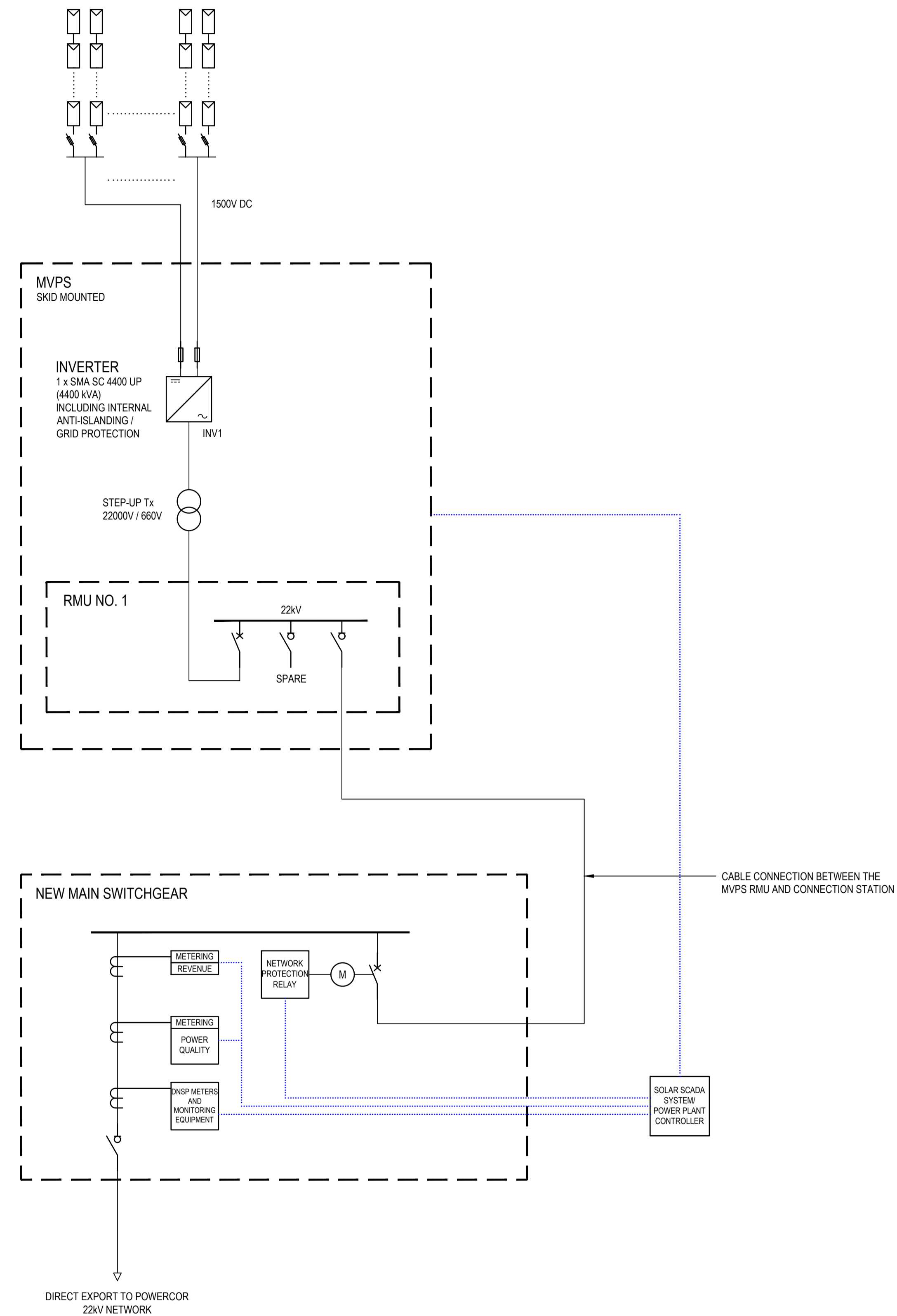
TOTAL SIZE = 5.23 MWp

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

| | | | |
|----------------------------|--------------------|-----------------------|-----------------------------|
| | | | |
| | | | |
| | | | |
| | | | |
| P01 ISSUED FOR INFORMATION | M.G. | S.D. | 26.07.24 |
| Rev | Description | Checked | Approved Date |
| Author | M. PAÑA | Drafting Check | D. KOKOTOVIC |
| Designer | M. JARING | Design Check | M. GOODE |



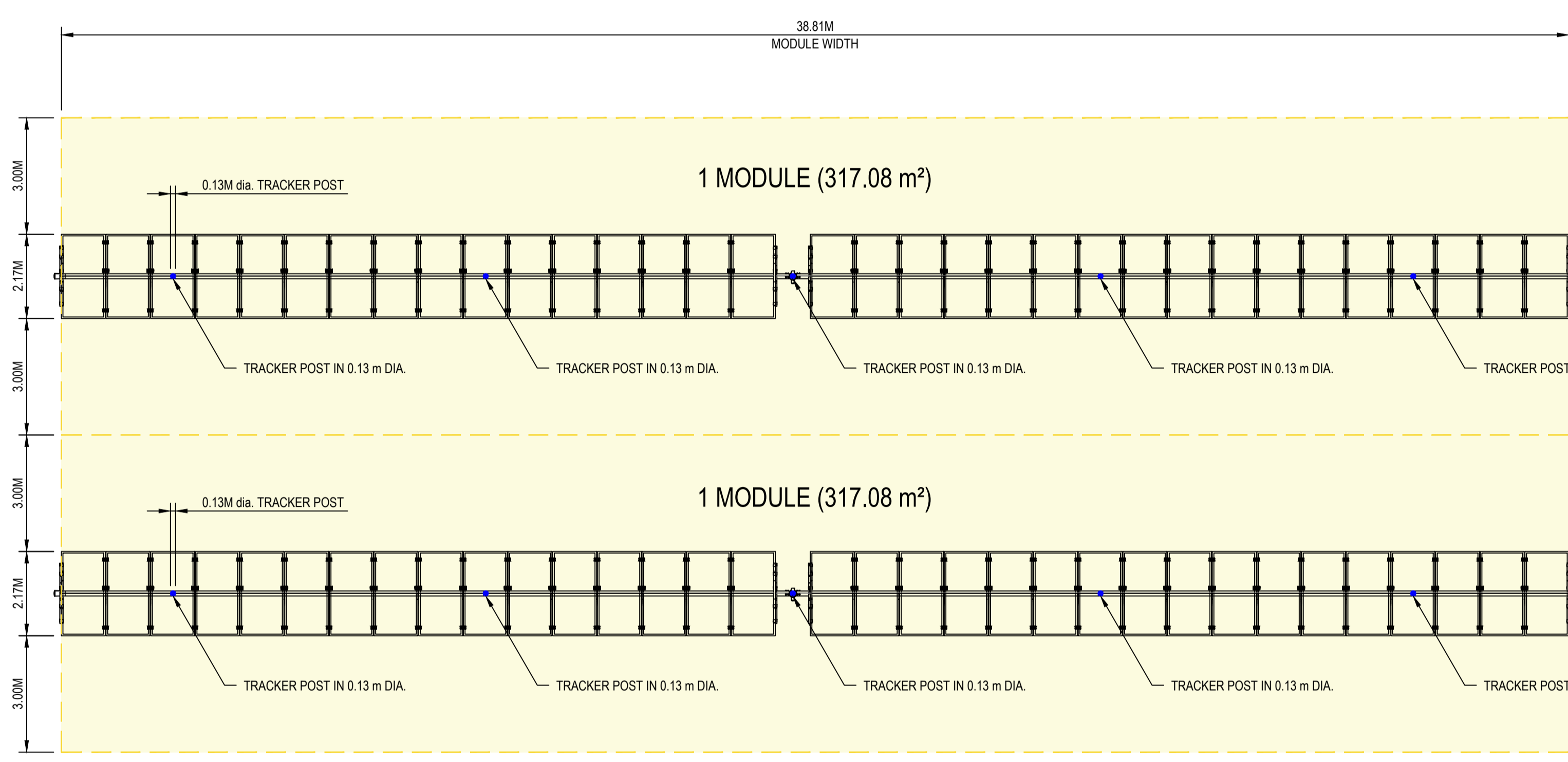
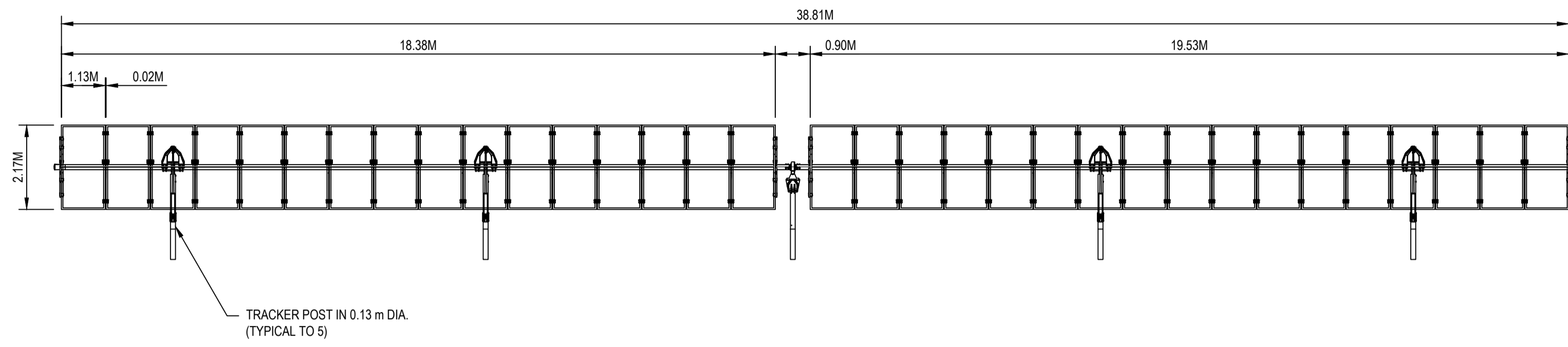
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| Client | GOULBURN VALLEY WATER |
| Project | GVW SOLAR FARM |
| Status | IN DEVELOPMENT |

| | |
|---------------|---------------------------------|
| Drawing Title | SEYMOUR SINGLE LINE DIAGRAM |
| Project No. | 12579414 |
| Drawing No. | 12579414-GHD-00-00-DRG-EL-00004 |

Size **A1**
Rev **P01**

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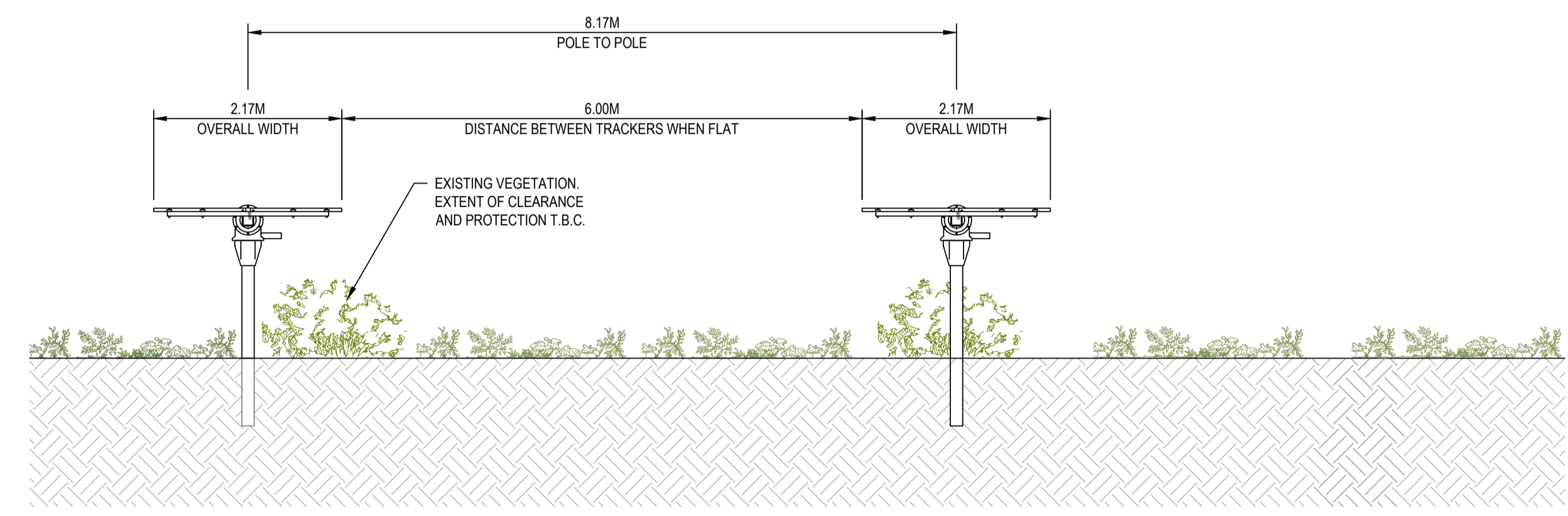
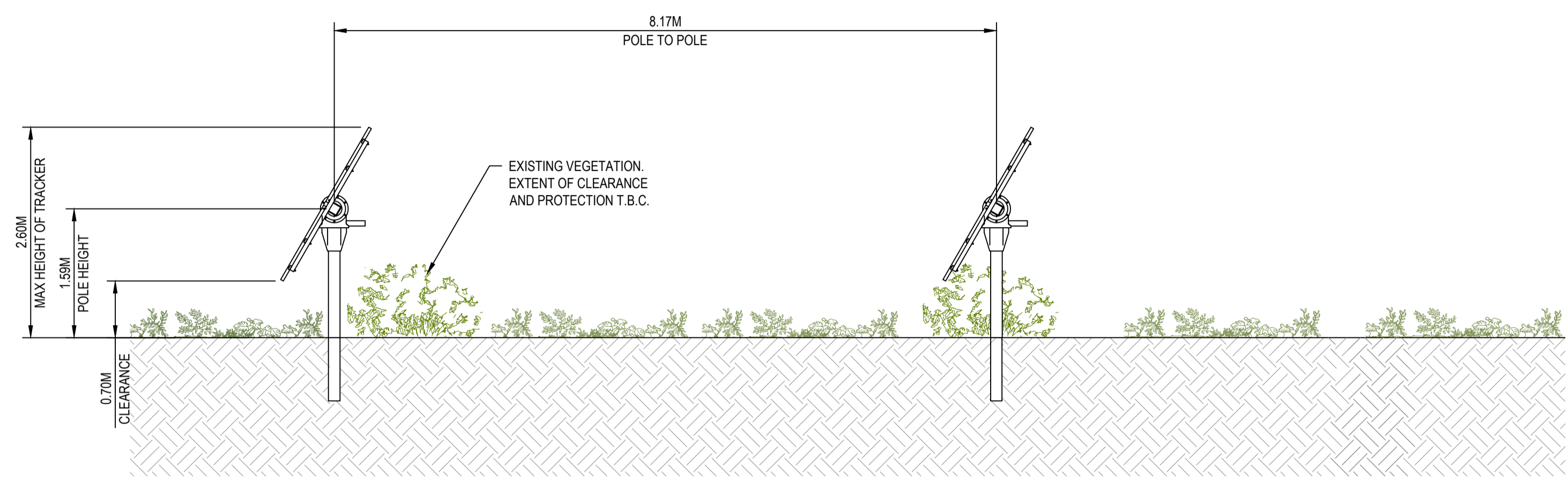


1 TYPICAL MODULE ELEVATION & PLAN
SCALE 1 : 100

AS PER MODULE OF 317.08 m²
 TOTAL TRACKER POSTS FOOTPRINT (5 x POST) = 0.066 m²
 OVERALL PANEL AREA = 85 m² = 27%

TOTAL NUMBER OF TRACKER MODULE = 264
 TOTAL TRACKER TRACKER AREAS = 264 x 317.08 m² = 83,709.12 m²
 OVERALL PANEL AREA (ABOVE GROUND CANOPY 264 x 0.066 m² = 17.424 m²

ADVERTISED PLAN



2 TRACKER TYPICAL ARRANGEMENT
SCALE 1 : 50

| P01 | ISSUED FOR INFORMATION | M.G. | S.D. | 26.07.24 |
|----------|------------------------|----------------|--------------|----------|
| Rev | Description | Checked | Approved | Date |
| Author | M. PAÑA | Drafting Check | D. KOKOTOVIC | |
| Designer | M. JARING | Design Check | M. GOODE | |



Client GOULBURN VALLEY WATER
 Project GWV SOLAR FARM
 Status IN DEVELOPMENT

Drawing Title SEYMOUR SOLAR TRACKER DETAIL

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Size A1
Rev P01