

BURRUNDULLA MINI SUSTAINABLE ENERGY PARK

DEVELOPMENT APPLICATION

ADDRESS:
3B SYDNEY ROAD
BURRUNDULLA
NSW 2850

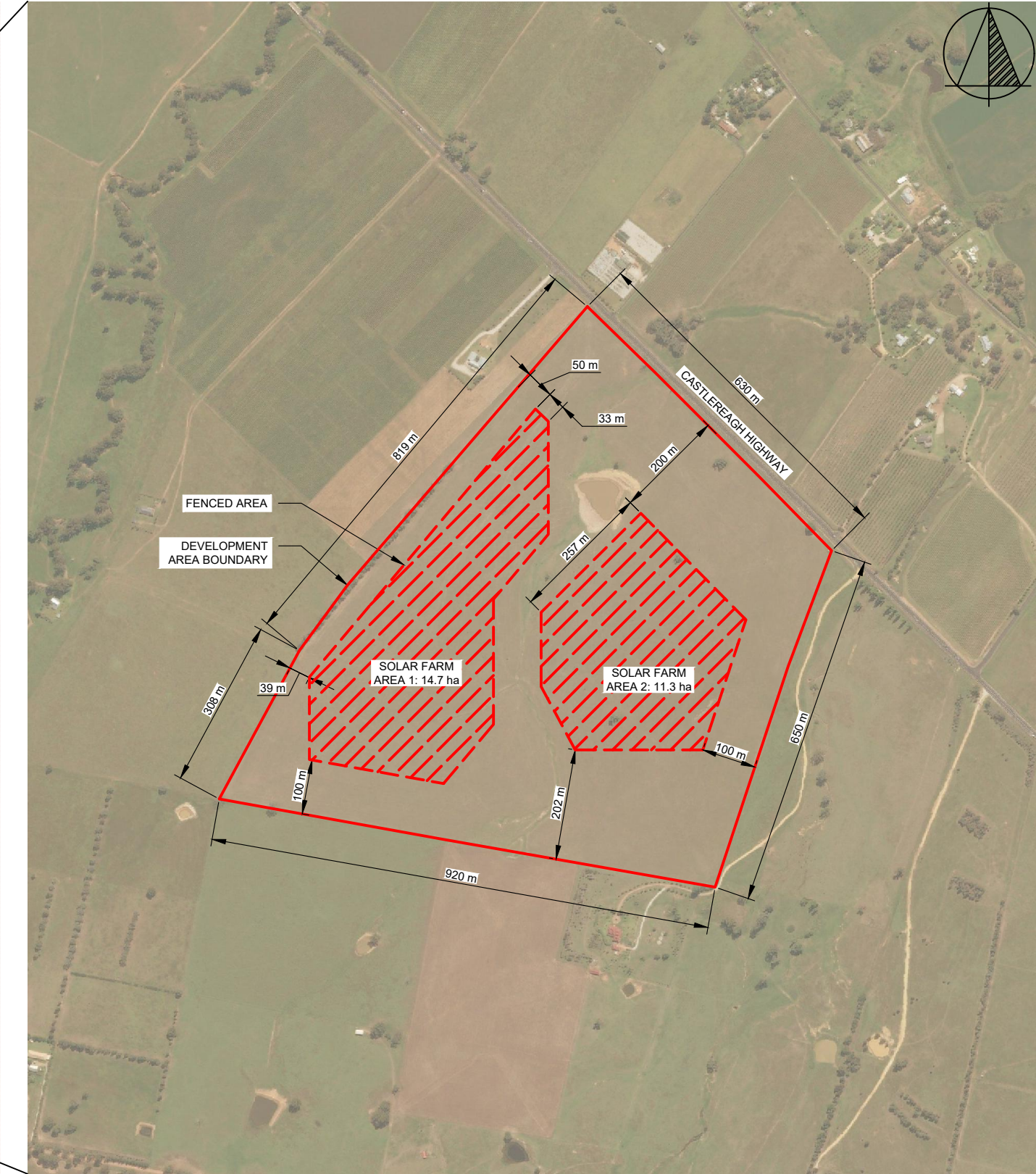
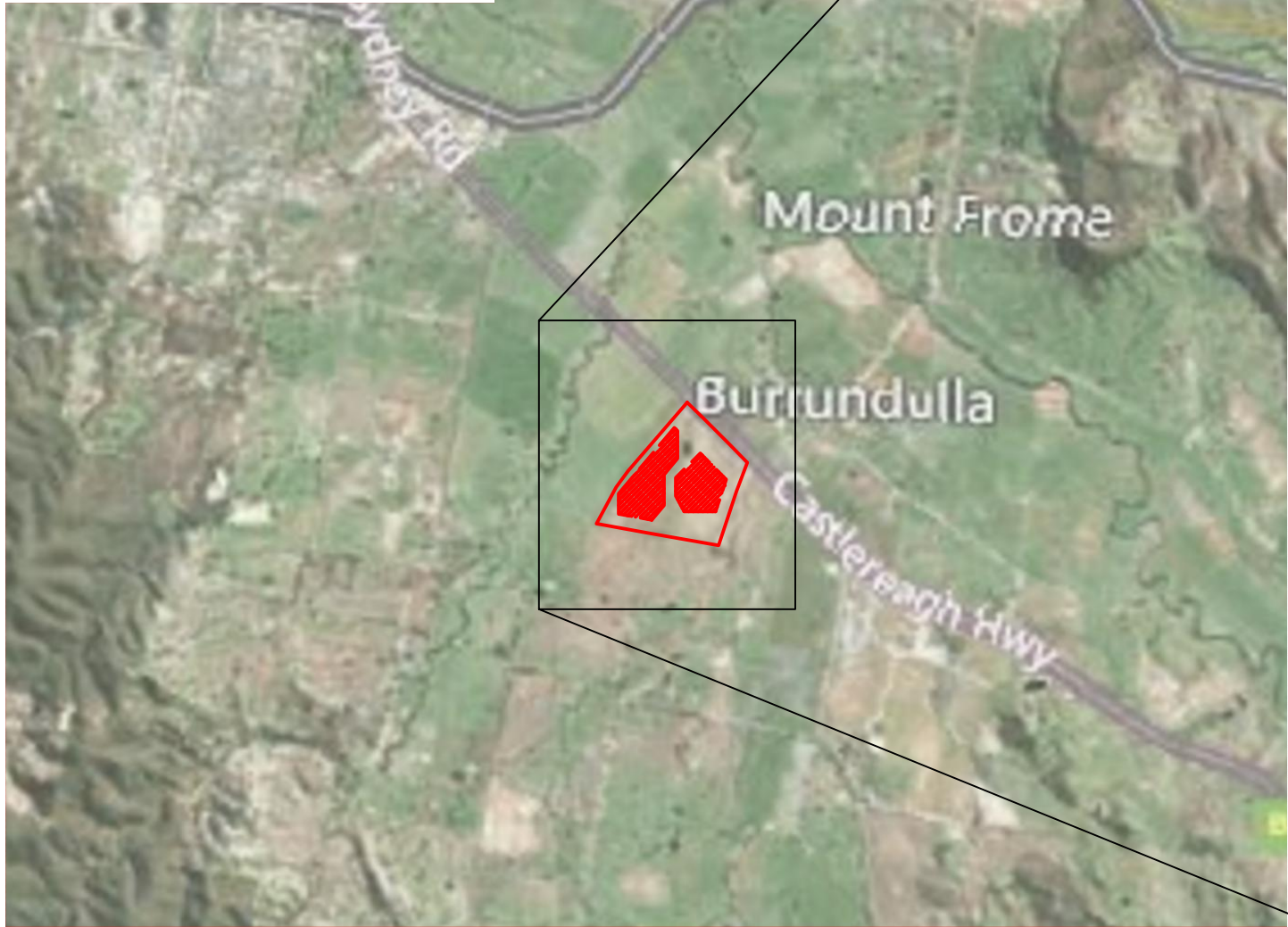
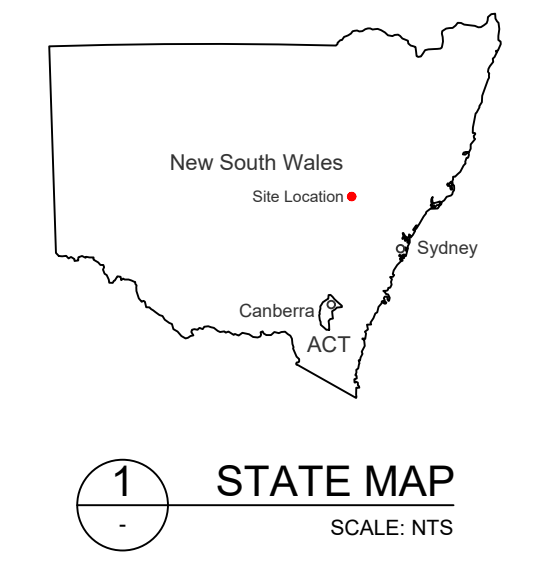


DEVELOPED BY:
ITP DEVELOPMENT

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|------------------|--------------------------|
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| G-2100 | GENERAL ARRANGEMENT PLAN |
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| C-4300 | INVERTER FOOTING DETAILS |
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| C-6300 | ACCESS PATH DETAILS |
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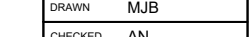
info@itpau.com.au
+61 (0) 2 6257 3511
Level 1, 19-23 Moore St Turner, ACT 2612
itpau.com.au

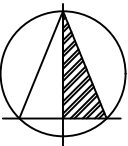


2 LOCATION PLAN
SCALE: NTS

3 SITE PLAN
SCALE: 1:10000

DEVELOPMENT APPLICATION

| NO. | STAGE | DATE | NOTES | PARTNERS | <div><div></div><div>RENEWABLES</div><div><div>P: +61 2 6257 3511 info@itp.com.au www.itpau.com.au</div><div>PO BOX 6217 O'CONNOR, ACT 2602 AUSTRALIA</div></div></div> | DRAWN | MJB | DRAWING | | | | LOCATION PLAN | |
|-----|-------------------------|------------|-------|----------|--|--|---------|--|-------------|--|----------|-----------------|------------|
| 1 | ISSUED FOR DA APPROVAL | 13/06/2019 | | | | CHECKED | AN | DO NOT SCALE. ALL MEASUREMENTS IN MM UNLESS OTHERWISE STATED. | PROJECT | BURRUNDULLA MINI SUSTAINABLE ENERGY PARK | SCALE | AS NOTED | |
| 2 | DEVELOPMENT APPLICATION | 16/12/2021 | | | | APPROVED | AN | | | | CUSTOMER | ITP DEVELOPMENT | SHEET SIZE |
| 3 | ---- | ---- | | | | THIS DOCUMENT MAY ONLY BE USED BY CLIENTS OF ITP OR THOSE WHO HAVE RECEIVED EXPRESS PERMISSION FROM ITP. THE USE OF THIS DRAWING SHALL NOT EXTEND BEYOND THE PURPOSE FOR WHICH IT WAS ORIGINALLY PREPARED. | ADDRESS | 3B SYDNEY ROAD BURRUNDULLA, NSW 2850 | ORIG. DATE | 7/1/21 | | | |
| 4 | ---- | ---- | | | | | | | REV. DATE | 21/12/21 | | | |
| 5 | ---- | ---- | | | | | | | DRAWING NO. | MUD3C-G-0400 | REV NO. | 2 | |
| 6 | ---- | ---- | | | | | | | | | | | |



SITE INFORMATION

| | |
|-------------|---------------------------------------|
| LOT / DP | 6/1069441 |
| ADDRESS | 3B SYDNEY ROAD, BURRUNDULLA, NSW 2850 |
| LGA | MID-WESTERN REGIONAL COUNCIL |
| LAT / LONG | -32.6337 / 149.625628 |
| LOT AREA | 67.4 ha |
| FENCED AREA | 26.0 ha (A: 14.7 ha, B: 11.3 ha) |
| DNSP | ESSENTIAL ENERGY |

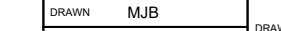
PROJECT INFORMATION

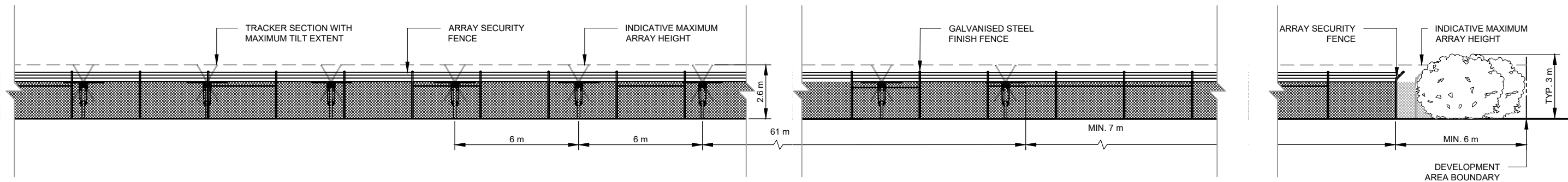
| | |
|------------------------|--------------------------------|
| AC CAPACITY | 5.0 MW |
| INVERTERS | 2 x 3.0 MW AC |
| TRACKER SPACING (N-S) | MIN. 1 m |
| ARRAY PITCH | 6.25 m |
| CONNECTION VOLTAGE | 22 kV |
| CONNECTION FEEDER | ESSENTIAL ENERGY MUD62 |
| CONNECTION SUBSTATION | ESSENTIAL ENERGY MUDGEE |
| SECURITY FENCE SETBACK | MIN. 10 m FROM OPTION BOUNDARY |
| ARRAY SETBACK | MIN. 10 m FROM SECURITY FENCE |
| ACCESS PATH WIDTH | 6.0 m & 4.0 m |

1 GENERAL ARRANGEMENT PLAN

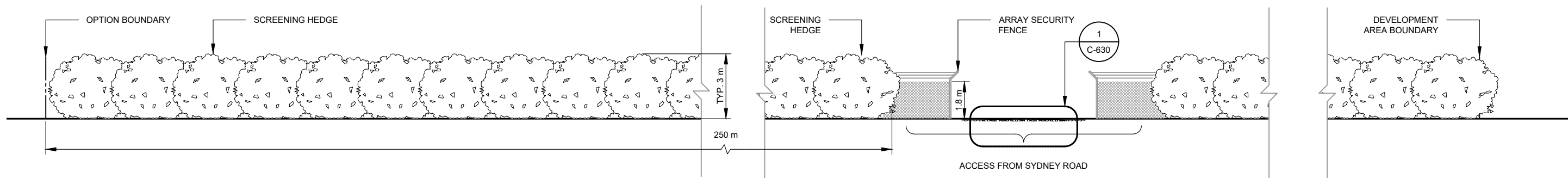
SCALE: 1:5000

DEVELOPMENT APPLICATION

| | | | | | | | | | | | |
|-----|-----------------------------|------------|---|--|---|-------------------|-------------|--|--|------------|----------|
| NO. | STAGE | DATE | NOTES | PARTNERS | <div><p>P: +61 2 6257 3511 info@itp.com.au www.itpau.com.au</p><p>PO BOX 6217 O'CONNOR, ACT 2602 AUSTRALIA</p></div> | DRAWN | MJB | DRAWING | GENERAL ARRANGEMENT PLAN | | |
| 1 | ISSUED FOR DA APPROVAL | 13/06/2019 | 1. SYSTEM INFORMATION IS THE SAME FOR SYSTEM A AND SYSTEM B. 2. NEW VEGETATION AREAS ARE INDICATIVE, REFER TO LANDSCAPE CONCEPT PLAN | CHECKED | | NL | PROJECT | | BURRUNDULLA MINI SUSTAINABLE ENERGY PARK | SCALE | AS NOTED |
| 2 | UPDATED EMERGENCY EXIT | 11/10/2019 | | APPROVED | | NL | | | | SHEET SIZE | A3 |
| 3 | UPDATED FOR DA RESUBMISSION | 30/09/2020 | | DO NOT SCALE. ALL MEASUREMENTS IN MM UNLESS OTHERWISE STATED. | | CLIENT ADDRESS | | ITP DEVELOPMENT 3B SYDNEY ROAD BURRUNDULLA, NSW 2850 | | ORIG. DATE | 13/1/21 |
| 4 | DEVELOPMENT APPLICATION | 17/12/2021 | | THIS DOCUMENT MAY ONLY BE USED BY CLIENTS OF ITP OR THOSE WHO HAVE RECEIVED EXPRESS PERMISSION FROM ITP. THE USE OF THIS DRAWING SHALL NOT EXTEND BEYOND THE PURPOSE FOR WHICH IT WAS ORIGINALLY PREPARED. | | | REV. DATE | | 30/6/22 | | |
| 5 | DEVELOPMENT APPLICATION | 30/06/2022 | | | | | DRAWING NO. | | MUD3C-G-2100 | REV NO. | 5 |
| 6 | ---- | ---- | | | | | | | | | |



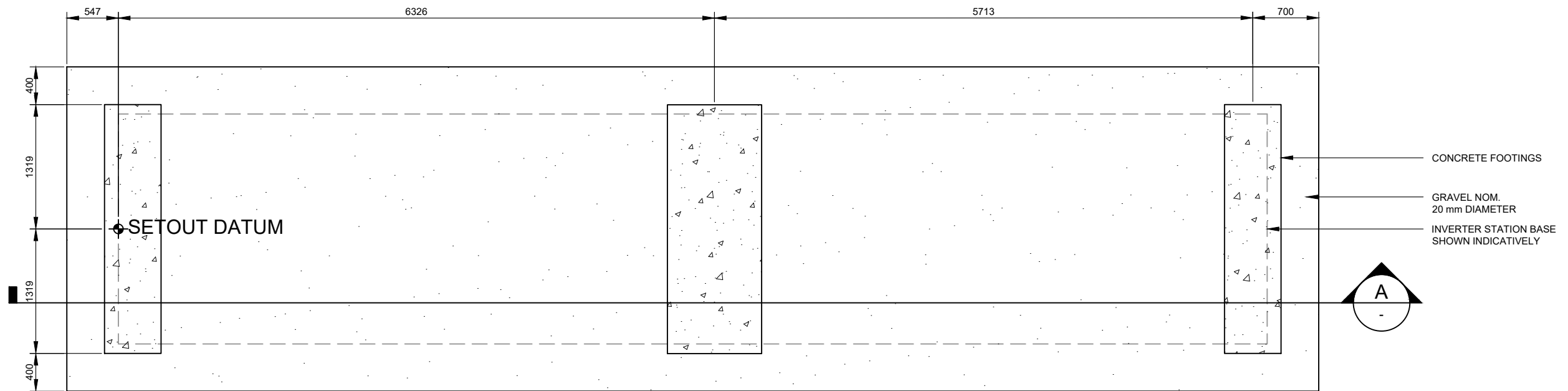
A SITE ELEVATION - INSIDE SOUTH BOUNDARY
G-2100 SCALE: 1:200



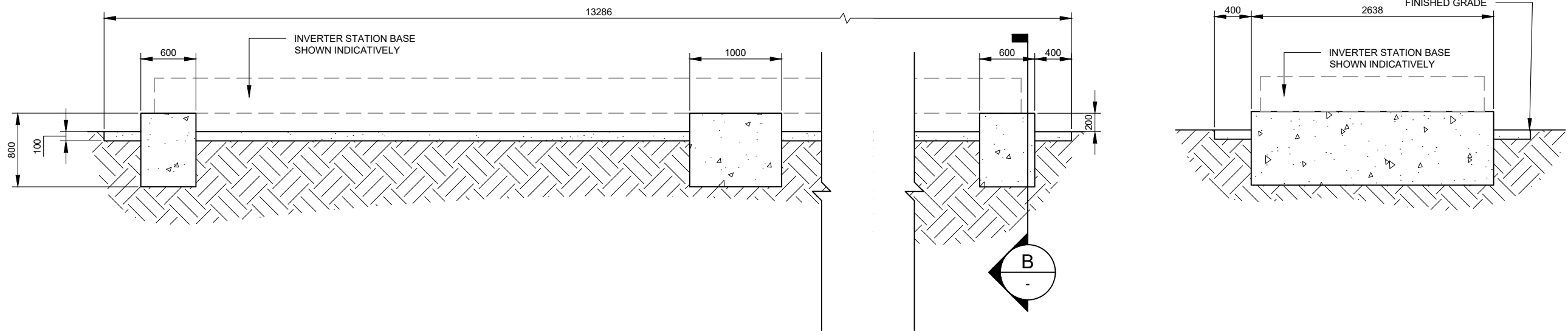
B SITE ELEVATION - SYDNEY ROAD FRONTAGE
G-2100 SCALE: 1:200

DEVELOPMENT APPLICATION

| NO. | STAGE | DATE | NOTES | PARTNERS | itp RENEWABLES P: +61 2 6257 3511 info@itp.com.au www.itpau.com.au PO BOX 6217 O'CONNOR, ACT 2602 AUSTRALIA | DRAWN MJB CHECKED AN APPROVED AN DO NOT SCALE. ALL MEASUREMENTS IN MM UNLESS OTHERWISE STATED. THIS DOCUMENT MAY ONLY BE USED BY CLIENTS OF ITP OR THOSE WHO HAVE RECEIVED EXPRESS PERMISSION FROM ITP. THE USE OF THIS DRAWING SHALL NOT EXTEND BEYOND THE PURPOSE FOR WHICH IT WAS ORIGINALLY PREPARED. | DRAWING SITE ELEVATIONS --- PROJECT BURRUNDULLA MINI SUSTAINABLE ENERGY PARK CLIENT ITP DEVELOPMENT ADDRESS 3B SYDNEY ROAD BURRUNDULLA, NSW 2850 DRAWING NO. MUD3C-G-2200 | SCALE AS NOTED SHEET SIZE A3 ORIG. DATE 23/5/19 REV. DATE 21/12/21 REV NO. 4 |
|-----|--------------------------------------|------------|---|----------|--|--|---|--|
| 1 | ISSUED FOR DA APPROVAL | 13/06/2019 | 1. TRACKER AND MODULE DIMENSIONS ARE INDICATIVE AND SUBJECT TO CHANGE BY THE MANUFACTURER WITHOUT NOTICE. | | | | | |
| 2 | UPDATED EMERGENCY EXIT | 11/10/2019 | | | | | | |
| 3 | UPDATED ACCESS ROAD & EMERGENCY EXIT | 12/10/2020 | | | | | | |
| 4 | DEVELOPMENT APPLICATION | 16/12/2021 | | | | | | |
| 5 | ---- | ---- | | | | | | |
| 6 | ---- | ---- | | | | | | |



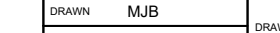
1 INVERTER FOOTING PLAN
SCALE: 1:50

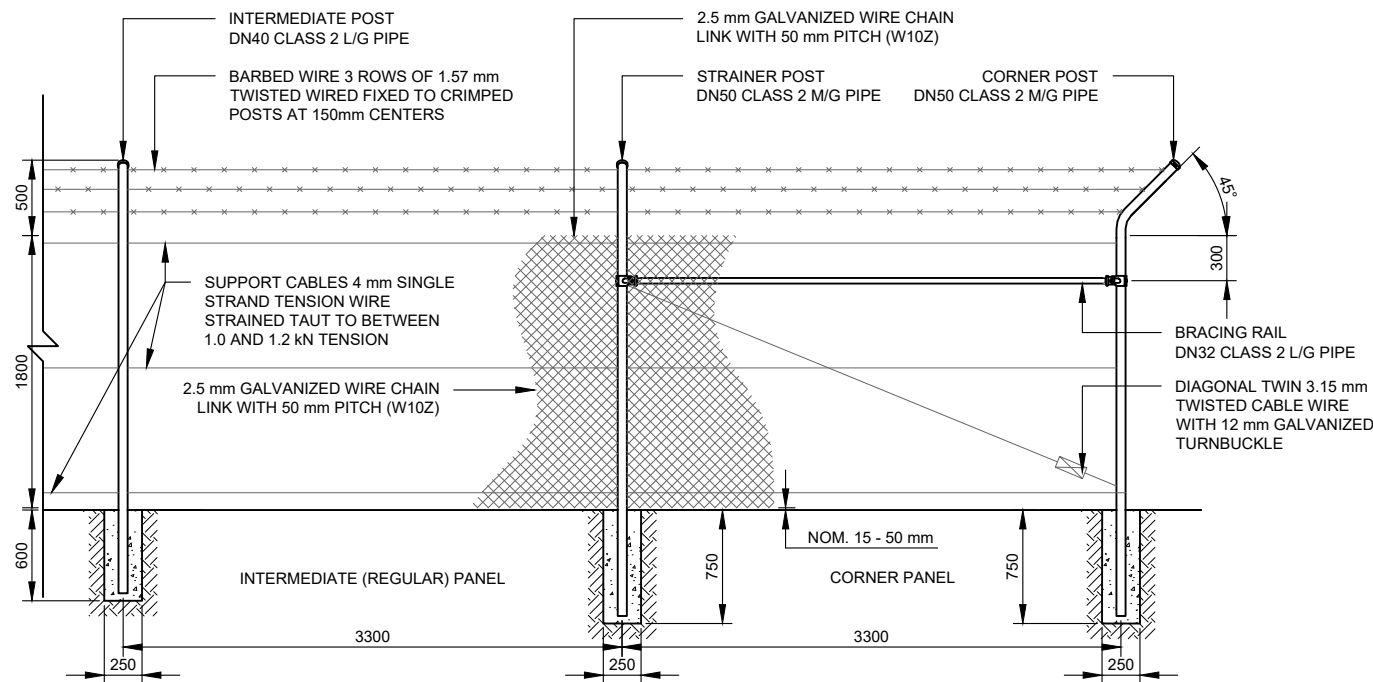


A SIDE SECTION
SCALE: 1:50

B END SECTION
SCALE: 1:50

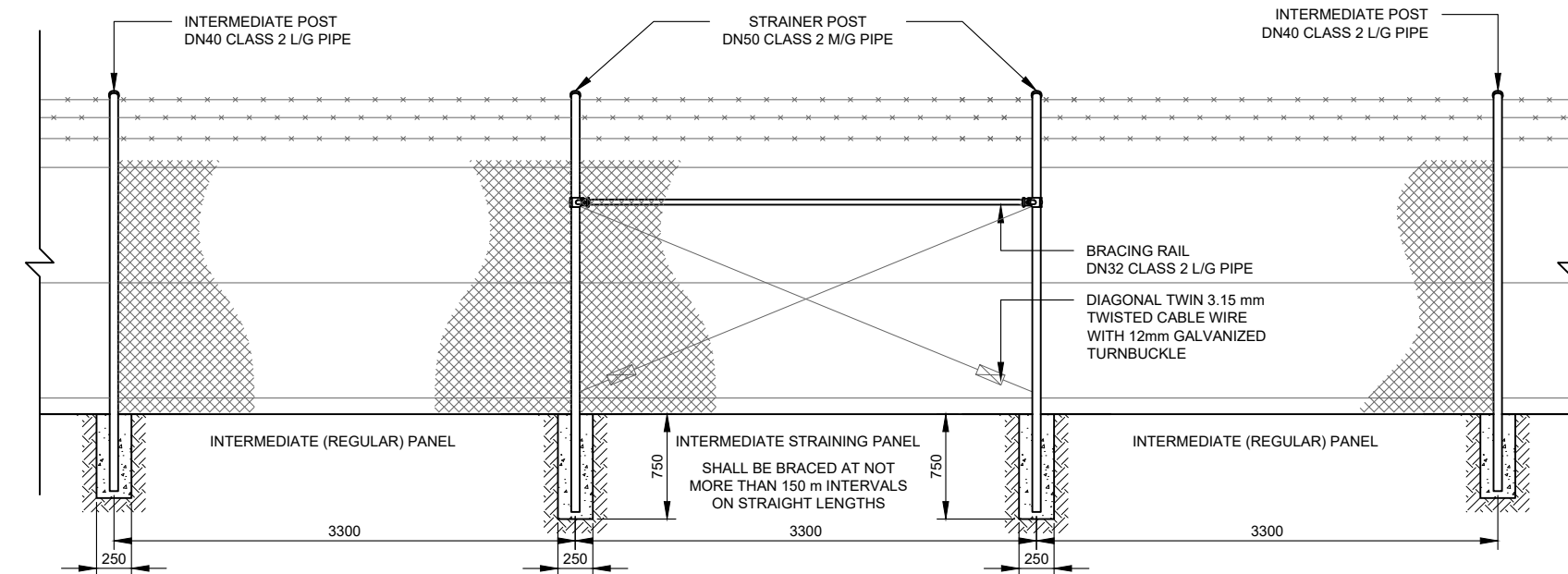
DEVELOPMENT APPLICATION

| NO. | | STAGE | DATE | NOTES | PARTNERS | <div><p>P: +61 2 6257 3511 info@itp.com.au www.itpau.com.au</p><p>PO BOX 6217 O'CONNOR, ACT 2602 AUSTRALIA</p></div> | DRAWN MJB | | DRAWING INVERTER FOOTING DETAILS | | | |
|-----|--|-------|------|-------|----------|---|--|---------|----------------------------------|--|------------|----------|
| | | | | | | | CHECKED ---- | | | | | |
| | | | | | | | APPROVED ---- | | | | | |
| | | | | | | | DO NOT SCALE. ALL MEASUREMENTS IN MM UNLESS OTHERWISE STATED. | | PROJECT | BURRUNDULLA MINI SUSTAINABLE ENERGY PARK | SCALE | AS NOTED |
| | | | | | | | THIS DOCUMENT MAY ONLY BE USED BY CLIENTS OF ITP OR THOSE WHO HAVE RECEIVED EXPRESS PERMISSION FROM ITP. THE USE OF THIS DRAWING SHALL NOT EXTEND BEYOND THE PURPOSE FOR WHICH IT WAS ORIGINALLY PREPARED. | | CLIENT ADDRESS | ITP DEVELOPMENT 3B SYDNEY ROAD BURRUNDULLA, NSW 2850 | SHEET SIZE | A3 |
| | | | | | | | | | | | ORIG. DATE | 27/11/18 |
| | | | | | | | | | | | REV. DATE | 15/12/21 |
| | | | | | | DRAWING NO. | MUD3C-C-4300 | REV NO. | 1 | | | |



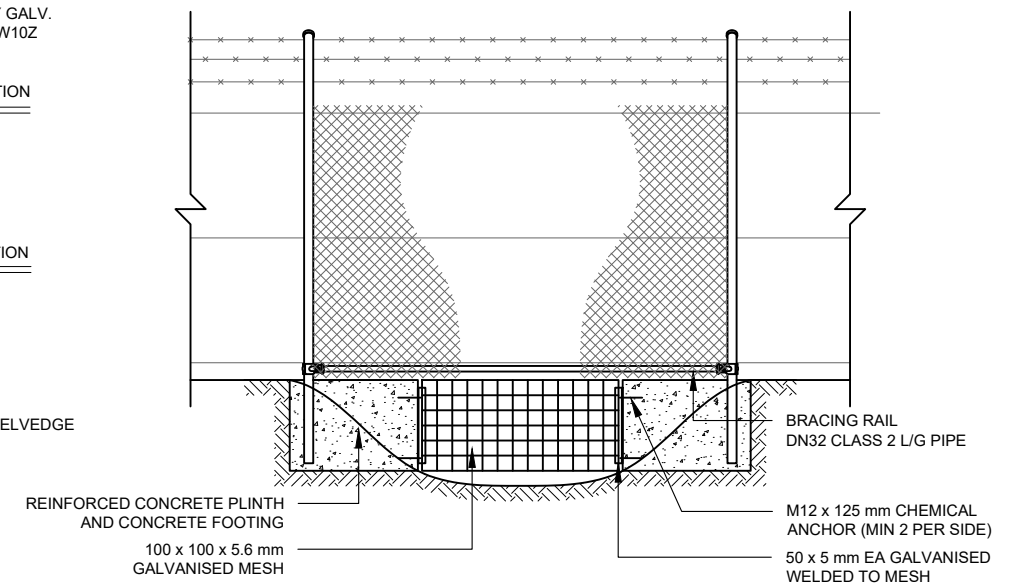
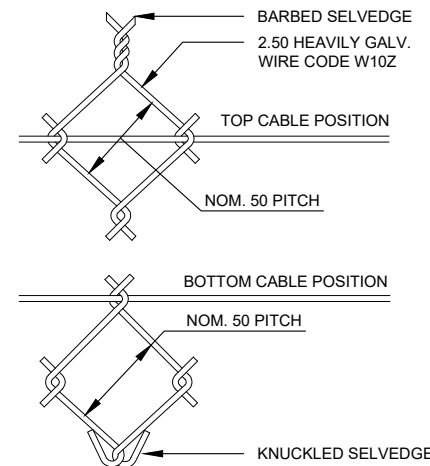
1 TYPICAL FENCE SECTION
SCALE: 1:50

FENCE AND GATES TO BE DESIGNED AND CONSTRUCTED TO AS 1725 PART 1



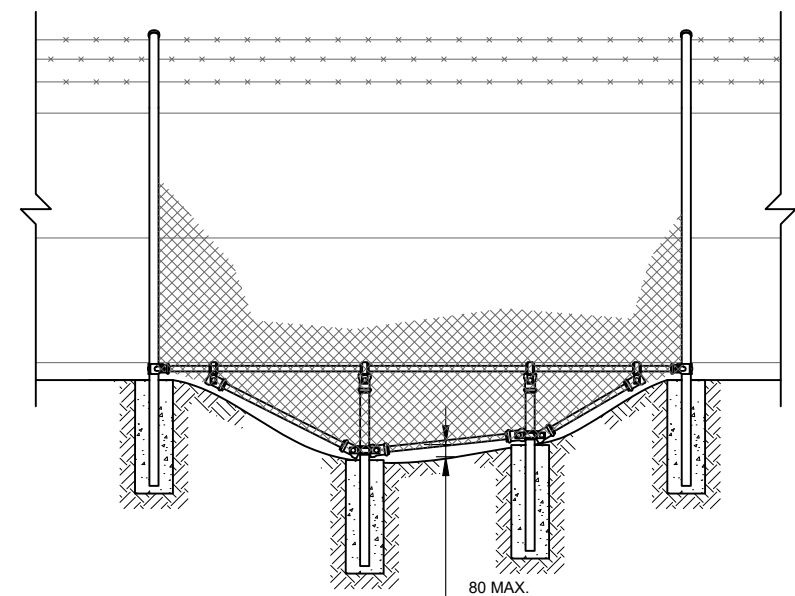
2 INTERMEDIATE STRAINING PANEL FENCE SECTION
SCALE: 1:50

FENCE AND GATES TO BE DESIGNED AND CONSTRUCTED TO AS 1725 PART 1



3 TYPICAL STORMWATER CROSSING
SCALE: 1:50

FENCE AND GATES TO BE DESIGNED AND CONSTRUCTED TO AS 1725 PART 1

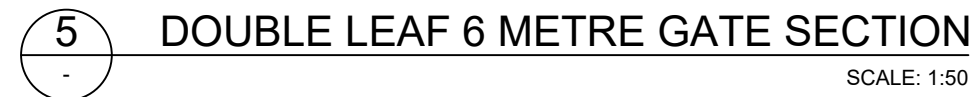


4 TYPICAL GULLY CROSSING
SCALE: 1:50

FENCE AND GATES TO BE DESIGNED AND CONSTRUCTED TO AS 1725 PART 1

DEVELOPMENT APPLICATION

| NO. | STAGE | DATE | NOTES | PARTNERS | DRAWN | MJB | DRAWING | FENCING DETAILS |
|-----|-------------------------|------------|-----------------------------|----------|----------|------|-------------|--|
| 1 | ISSUED FOR DA APPROVAL | 13/06/2019 | 1. GALVANISED STEEL FINISH. | | CHECKED | ---- | PROJECT | BURRUNDULLA MINI SUSTAINABLE ENERGY PARK |
| 2 | DEVELOPMENT APPLICATION | 16/12/2021 | | | APPROVED | ---- | CLIENT | ITP DEVELOPMENT |
| 3 | ---- | ---- | | | | | ADDRESS | 3B SYDNEY ROAD BURRUNDULLA, NSW 2850 |
| 4 | ---- | ---- | | | | | DRAWING NO. | MUD3C-C-5300 |
| 5 | ---- | ---- | | | | | SCALE | AS NOTED |
| 6 | ---- | ---- | | | | | SHEET SIZE | A3 |
| | | | | | | | ORIG. DATE | 23/11/18 |
| | | | | | | | REV. DATE | 16/12/21 |
| | | | | | | | REV. NO. | 2 |



Technical drawing of a gate structure, showing dimensions and components. The drawing is a cross-section view of a gate assembly, likely for a water control structure. The gate is shown in a closed position, with the gate frame and bracing system visible. The gate is supported by a concrete structure, and the water level is indicated by a dashed line.

Dimensions:

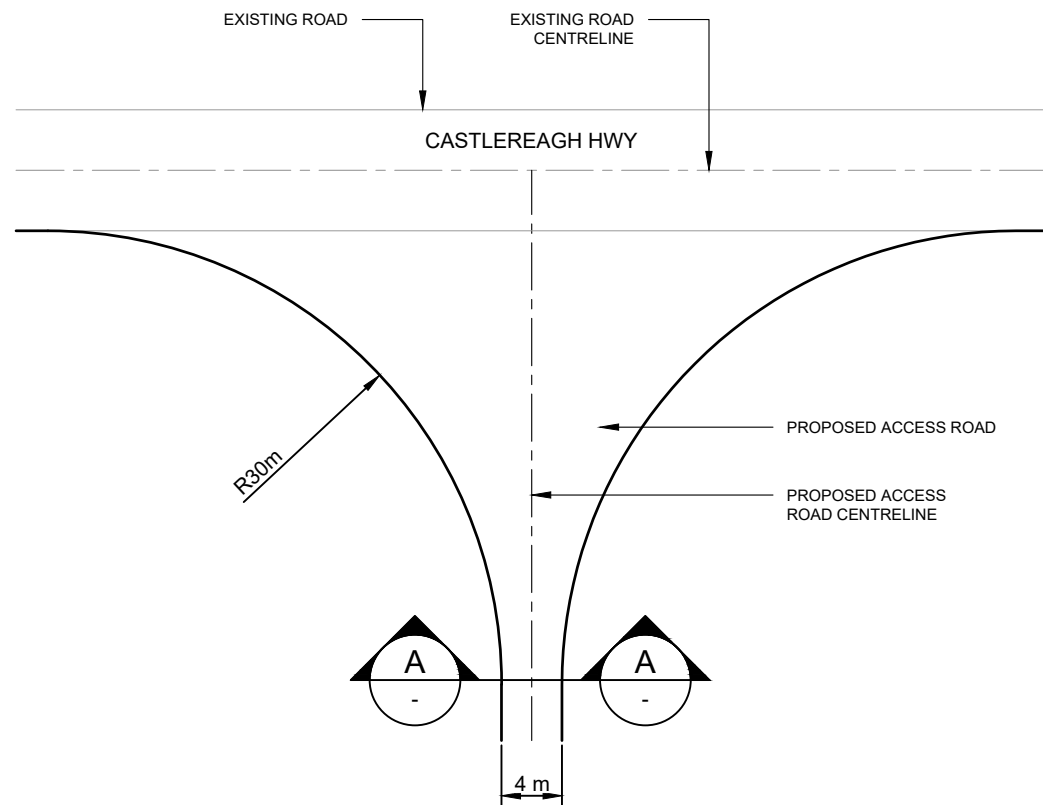
- Overall height: 2310
- Gate height: 1800
- Gate width: 900
- Gate thickness: 300
- Concrete structure height: 1000

Components:

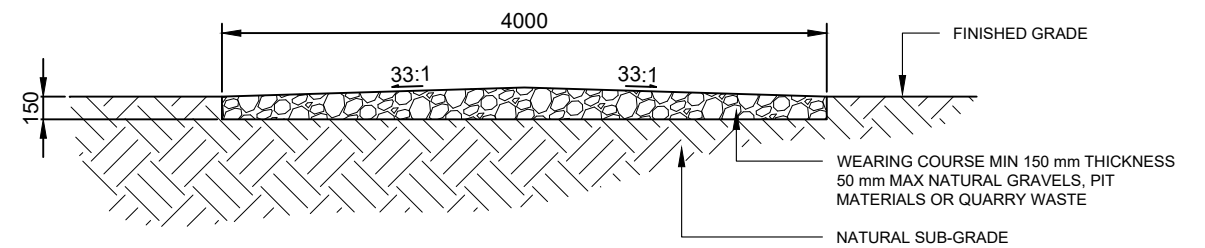
- GATE POST
DN50 CLASS 2 M/G PIPE
- TOP DIAGONAL BRACE
DN20 CLASS 2 L/G PIPE
- BRACING RAIL
DN32 CLASS 2 L/G PIPE
- GATE INNER FRAME
DN20 CLASS 2 L/G PIPE
1 HORIZONTAL MEMBER
- GATE OUTER FRAME
DN25 CLASS 2 L/G PIPE
- DIAGONAL TWIN 3.15 mm
TWISTED CABLE WIRE
WITH 12 mm GALVANIZED
TURNBUCKLE

7 SINGLE LEAF GATE SECTION
- SCALE: 1:50

G:\Work\21145 - 5MW MUD3C Mudgee 3C\Project\4 System design\4.01 CAD\DWG\C-5301 GATE DETAILS.dwg, PLOTTED BY MATTHEW BARRETT AT 30/6/2022 3:51 PM



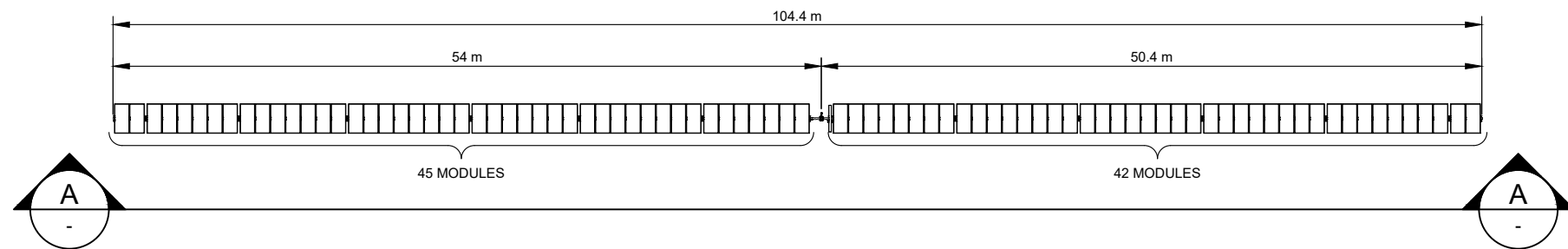
1 INDICATIVE TURNING DETAIL PLAN
SCALE: 1:500



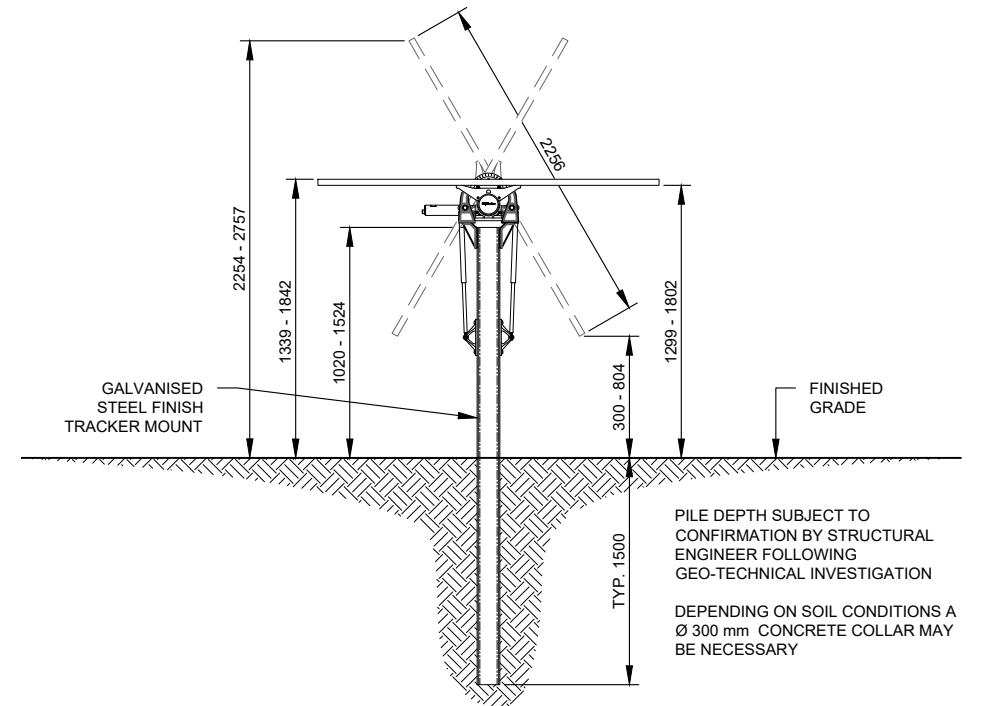
A CROSS SECTION - ACCESS PATH
SCALE: 1:50

DEVELOPMENT APPLICATION

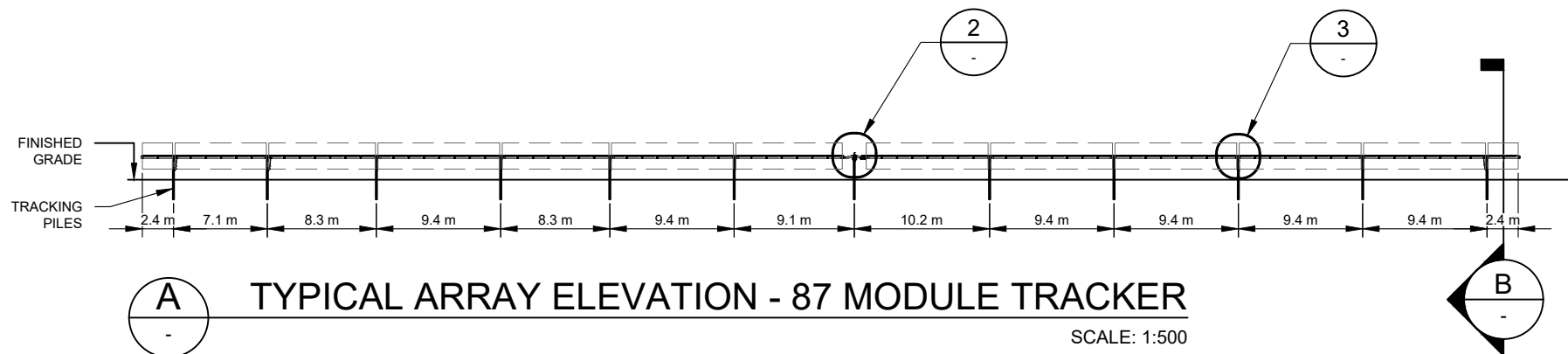
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|-----|-------------------------|------------|-------|----------|--|--|--|---|
| 1 | ISSUED FOR DA APPROVAL | 13/06/2019 | | | | | | |
| 2 | DEVELOPMENT APPLICATION | 16/12/2021 | | | | | | |
| 3 | ---- | ---- | | | | | | |
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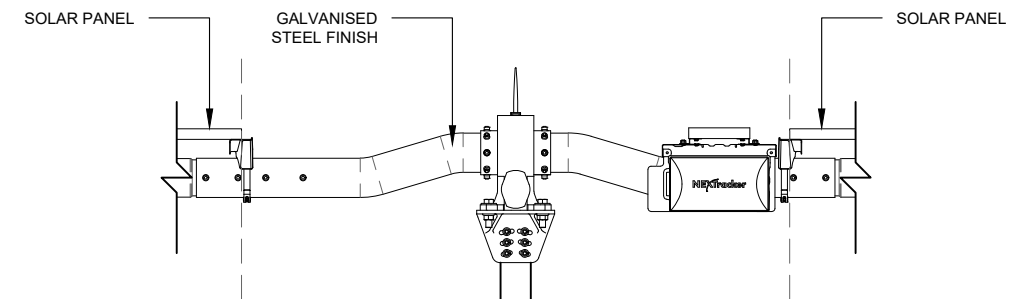
1 TYPICAL ARRAY PLAN - 87 MODULE TRACKER
SCALE: 1:500



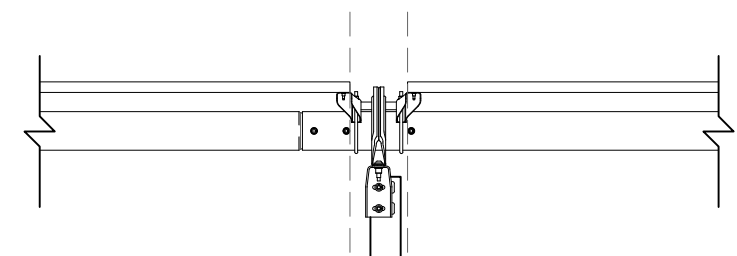
B TYPICAL ARRAY END ELEVATION
SCALE: 1:50



A TYPICAL ARRAY ELEVATION - 87 MODULE TRACKER
SCALE: 1:500




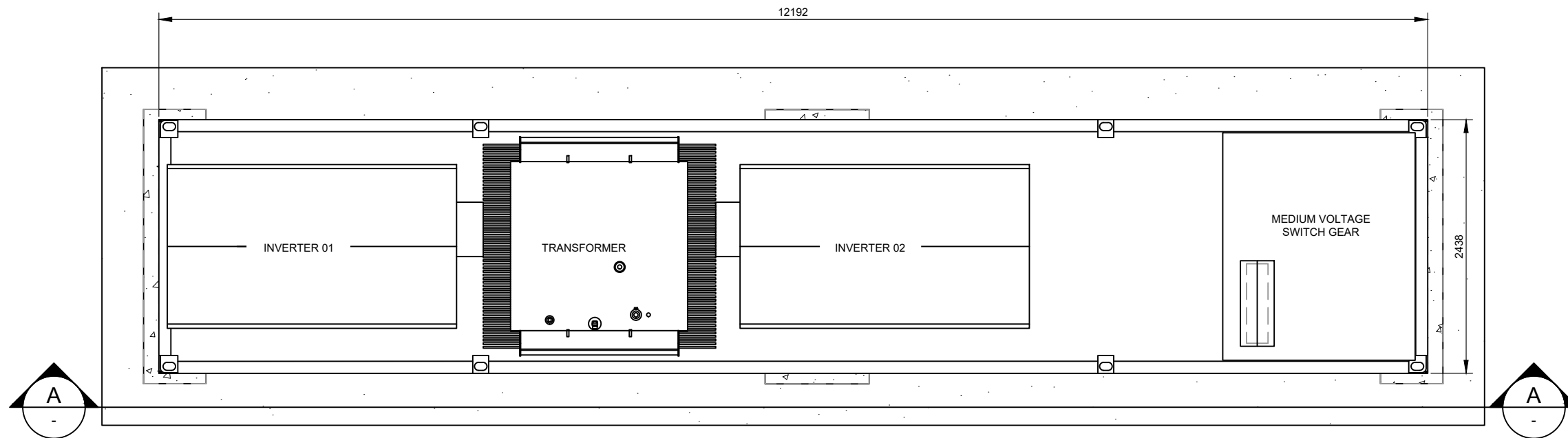
2 SELF POWERED CONTROLLER DETAIL
SCALE: NTS



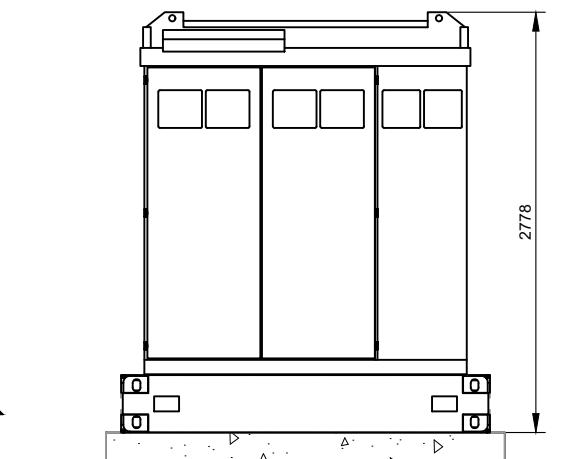
3 DAMPER DETAIL
SCALE: NTS

DEVELOPMENT APPLICATION

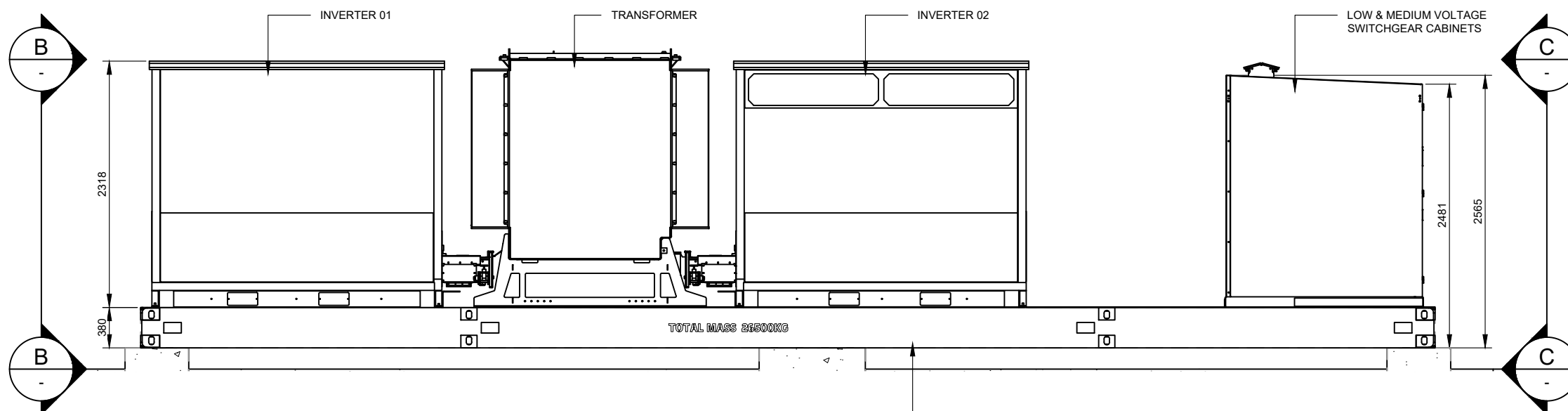
| NO. | STAGE | DATE | NOTES | PARTNERS | <div><p>P: +61 2 6257 3511 info@itp.com.au www.itpau.com.au</p><p>PO BOX 6217 O'CONNOR, ACT 2602 AUSTRALIA</p></div> | <div><div><div>DRAWN MJB</div><div>CHECKED ----</div><div>APPROVED ----</div></div><div>DO NOT SCALE. ALL MEASUREMENTS IN MM UNLESS OTHERWISE STATED.</div><div>THIS DOCUMENT MAY ONLY BE USED BY CLIENTS OF ITP OR THOSE WHO HAVE RECEIVED EXPRESS PERMISSION FROM ITP. THE USE OF THIS DRAWING SHALL NOT EXTEND BEYOND THE PURPOSE FOR WHICH IT WAS ORIGINALLY PREPARED.</div></div> | <div><div>DRAWING NEXTRACKER ARRAY DETAILS</div><div>----</div><div><div>PROJECT BURRUNDULLA MINI SUSTAINABLE ENERGY PARK</div><div>CLIENT ITP DEVELOPMENT</div><div>ADDRESS 3B SYDNEY ROAD BURRUNDULLA, NSW 2850</div></div><div><div>DRAWING NO. MUD3C-E-3400</div><div>REV NO. 2</div></div></div> <div><div>SCALE AS NOTED</div><div>SHEET SIZE A3</div><div>ORIG. DATE 17/1/19</div><div>REV. DATE 16/12/21</div></div> | | |
|-----|-------------------------|------------|---|----------|---|--|--|--|--|
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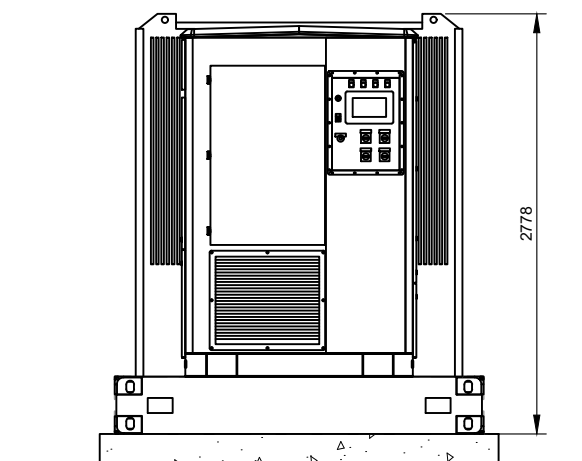
1 PLAN VIEW
SCALE: 1:50



C END ELEVATION
SCALE: 1:50




A SIDE ELEVATION
SCALE: 1:50



B END ELEVATION
SCALE: 1:50

INVERTER STATION SKID BASE WITH INTEGRATED
TRANSFORMER OIL CONTAINMENT

DEVELOPMENT APPLICATION

| NO. | STAGE | DATE | NOTES | PARTNERS | <div><p>P: +61 2 6257 3511 info@itp.com.au www.itpau.com.au</p><p>PO BOX 6217 O'CONNOR, ACT 2602 AUSTRALIA</p></div> | DRAWN MJB | DRAWING INVERTER STATION DETAILS | | |
|-----|-------------------------|------------|---|----------|---|--|---|--------------------------|--|
| 1 | ISSUED FOR DA APPROVAL | 13/06/2019 | 1. GALVANISED AND PAINTED STEEL FINISH. | | | CHECKED ---- | PROJECT BURRENDULLA MINI SUSTAINABLE ENERGY PARK CLIENT ITP DEVELOPMENT ADDRESS 3B SYDNEY ROAD BURRENDULLA, NSW 2850 | SCALE AS NOTED | |
| 2 | DEVELOPMENT APPLICATION | 16/12/2021 | | | | APPROVED ---- | | SHEET SIZE A3 | |
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| 4 | ---- | ---- | | | | | | REV. DATE 16/12/21 | |
| 5 | ---- | ---- | | | | | | DRAWING NO. MUD3C-E-4300 | |
| 6 | ---- | ---- | | | | REV NO. 2 | | | |