

ADVERTISED PLAN



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GENERAL NOTES

Legend

- PV Panels
- Inverter/Transformer
- MV Switchgear
- BESS
- Roads
- Fence/Site Boundary
- Property Boundaries
- Overhead Line
- Underground Line
- Hydrology
- 10m Transversable Fire Break
- Veg. Avoidance Area

PROJECT NAME:
Ankie - VIC

DRAWING TITLE:
Ankie Site Location Plan

DRAWN BY:
A.YOUNG

CHECKED BY:
-

APPROVED BY:
-

DATE:
17/11/2022

Company:
BNRG Renewables Ltd.
Solar Projects Developer.
Unit 1b, Custom House Plaza 3,
Harbourmaster Place, Dublin 1
IRELAND.
CONTACT NO-
E-MAIL :

PROJECT NO:
-

SCALE:
0:000

SHEET SIZE:
A3

DRAWING NO:
-

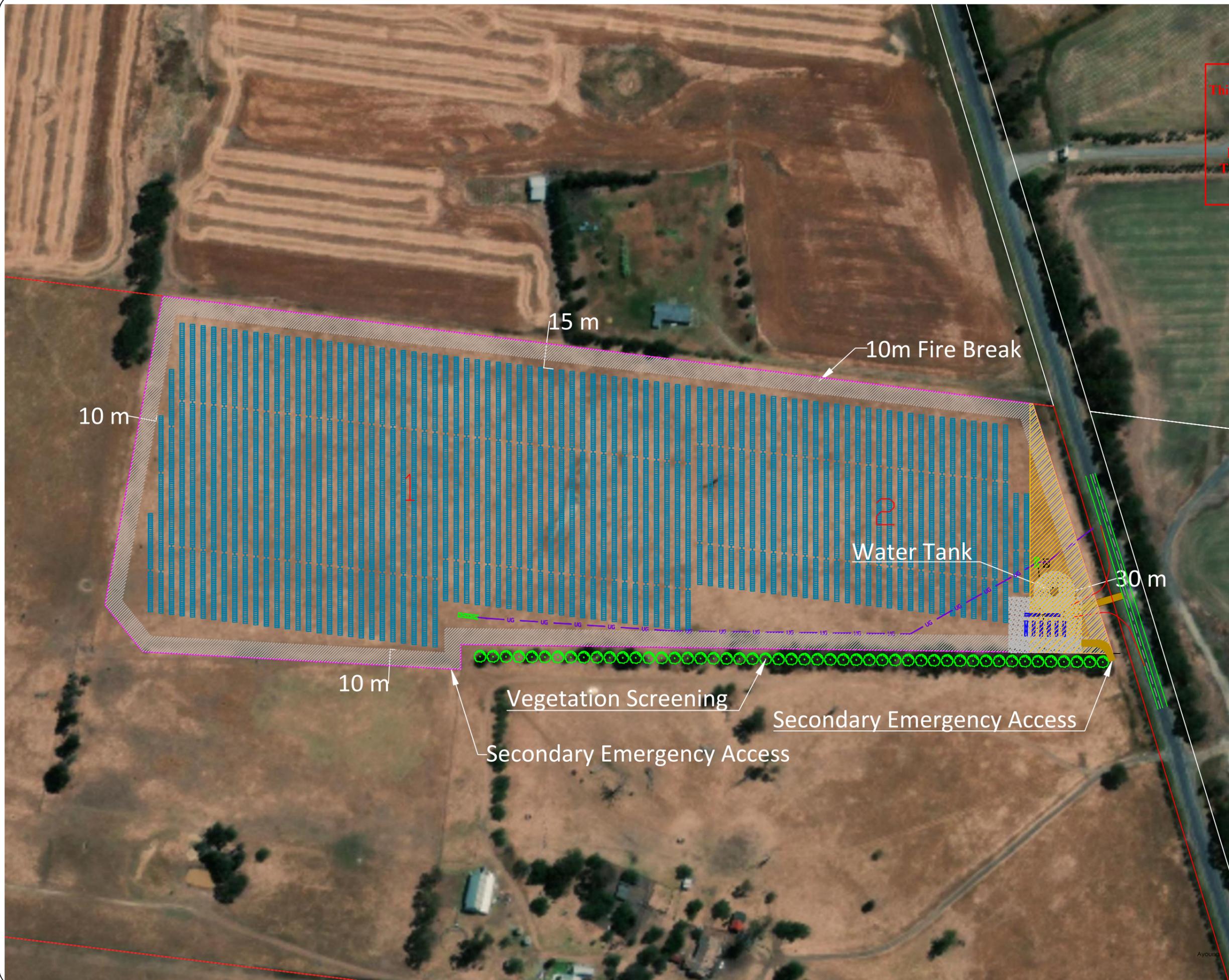
SHEET NO:
01

REVISION:
-

UNIT:
-

North Arrow

ADVERTISED PLAN



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GENERAL NOTES

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- Legend**
- PV Panels
 - Inverter/Transformer
 - MV Switchgear
 - BESS
 - Roads
 - Fence/Site Boundary
 - Property Boundaries
 - Overhead Line
 - Underground Line
 - Hydrology
 - 10m Transversible Fire Break
 - Veg. Avoidance Area

PROJECT NAME:
Anakie - VIC

DRAWING TITLE:
Anakie Site Layout

DRAWN BY:
A.YOUNG

CHECKED BY:
-

APPROVED BY:
-

DATE: 17/11/2022

Company:
BNRG Renewables Ltd.
Solar Projects Developer.
Unit 1b, Custom House Plaza 3,
Harbourmaster Place, Dublin 1
IRELAND.
CONTACT NO-
E-MAIL :

PROJECT NO.:
-

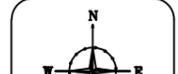
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SHEET SIZE:
A3

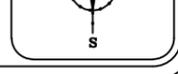
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SHEET NO.:
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REVISION:
-

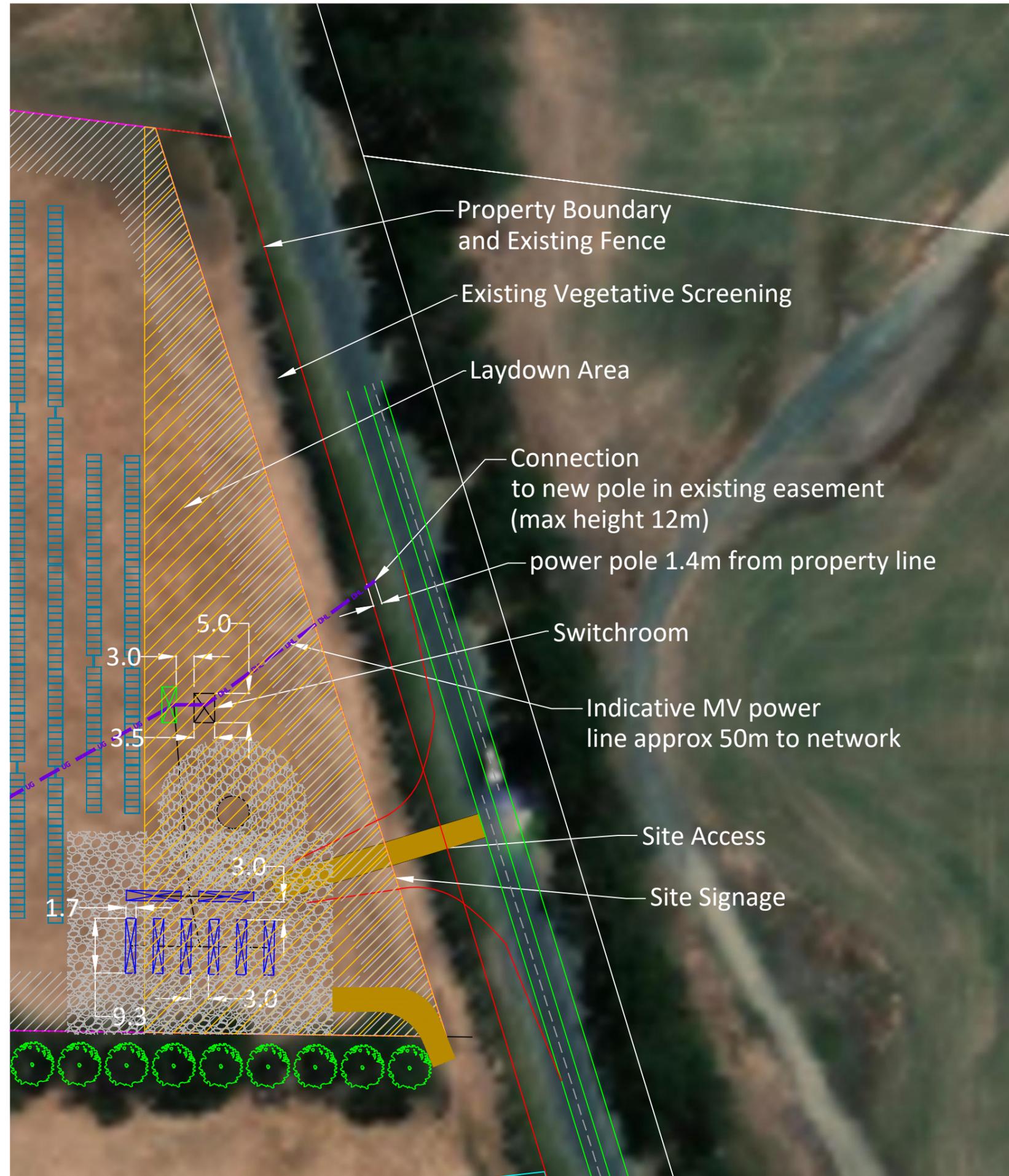


UNIT:
-



ADVERTISED PLAN

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GENERAL NOTES

Legend

- PV Panels
- Inverter/Transformer
- MV Switchgear
- BESS
- Roads
- Fence/Site Boundary
- Property Boundaries
- Overhead Line
- Underground Line
- Hydrology
- 10m Transversable Fire Break
- Veg. Avoidance Area

PROJECT NAME:
Anakie - VIC

DRAWING TITLE:
Anakie Layout Details

DRAWN BY:
A.YOUNG

CHECKED BY:
-

APPROVED BY:
-

DATE:
17/11/2022

Company:
BNRG Renewables Ltd.
Solar Projects Developer.
Unit 1b, Custom House Plaza 3,
Harbourmaster Place, Dublin 1
IRELAND.
CONTACT NO-
E-MAIL :

PROJECT NO:
-

SCALE:
0:000

SHEET SIZE:
A3

DRAWING NO:
-

SHEET NO:
01

REVISION:
-

UNIT:
-

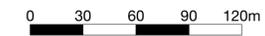


LEGEND

- - - SITE BOUNDARY
- - - FENCE AS PROPOSED
- SOLAR PV ARRAY
- BESS
- MV SWITCHGEAR
- INVERTER / TRANSFORMER
- ACCESS ROAD
- 10 m FIRE BREAK
- APPROXIMATE EXTENT OF EXISTING VEGETATION
- APPROXIMATE EXTENT OF PROPOSED SCREENING. REFER TO PLANTING PLAN AND PLANTING SCHEDULE
- LAYDOWN AREA

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SITE PLAN
Scale 1:200 @ A1



ADVERTISED PLAN



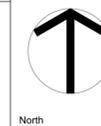
Studio 1, 88 Fern Street
PO Box 111
Islington NSW 2296
Phone (02) 49653500
admin@moirla.com.au
www.moirla.com.au



Architect:

Engineer:

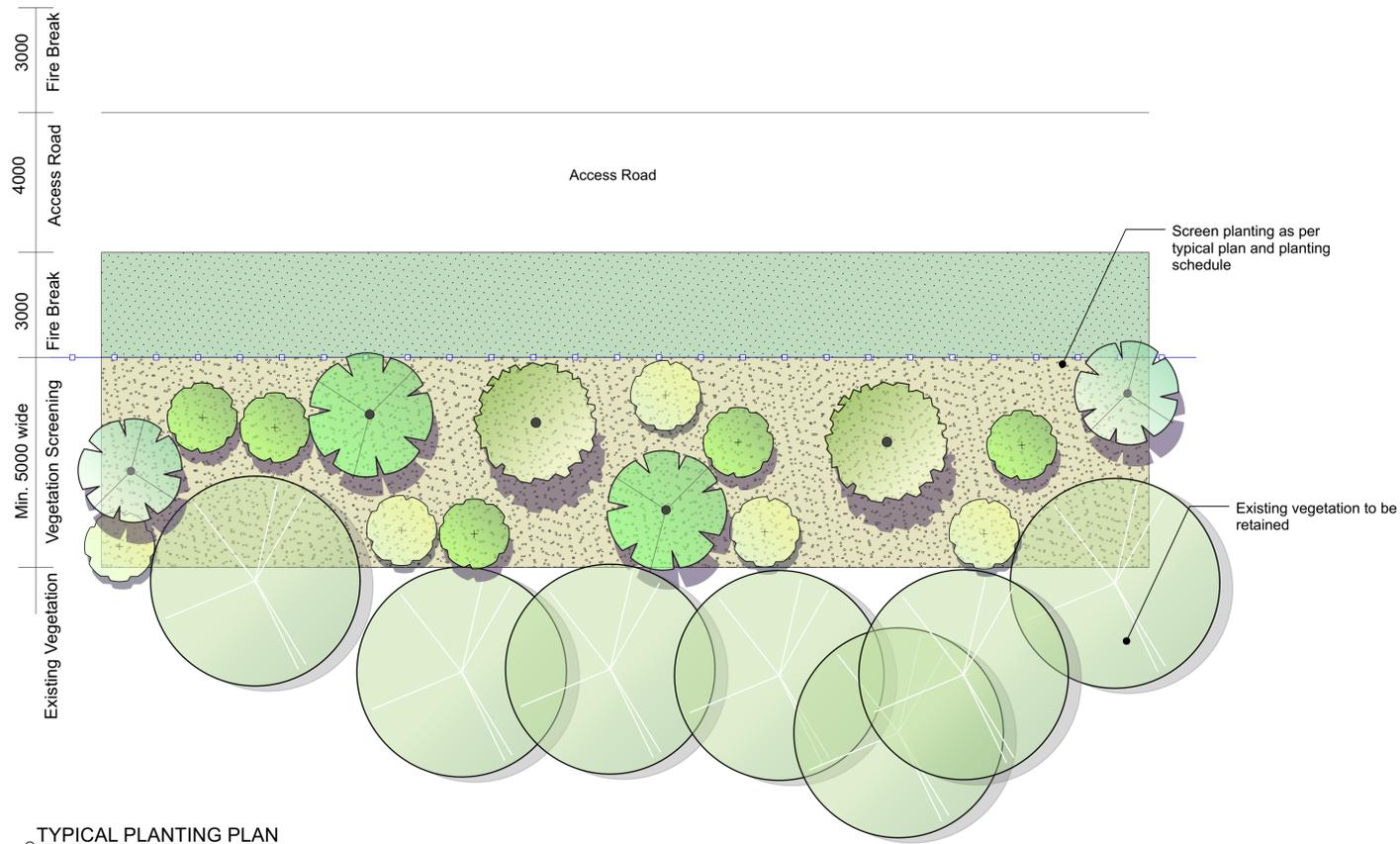
| No. | Date | Revision | By |
|-----|-----------|------------------------|----|
| A | 30/9/2022 | CONCEPT LANDSCAPE PLAN | SW |
| B | 7/10/2022 | CONCEPT LANDSCAPE PLAN | SW |



Status:
Final
Anakie Solar Farm
Anakie Victoria
BNRG Renewables Ltd

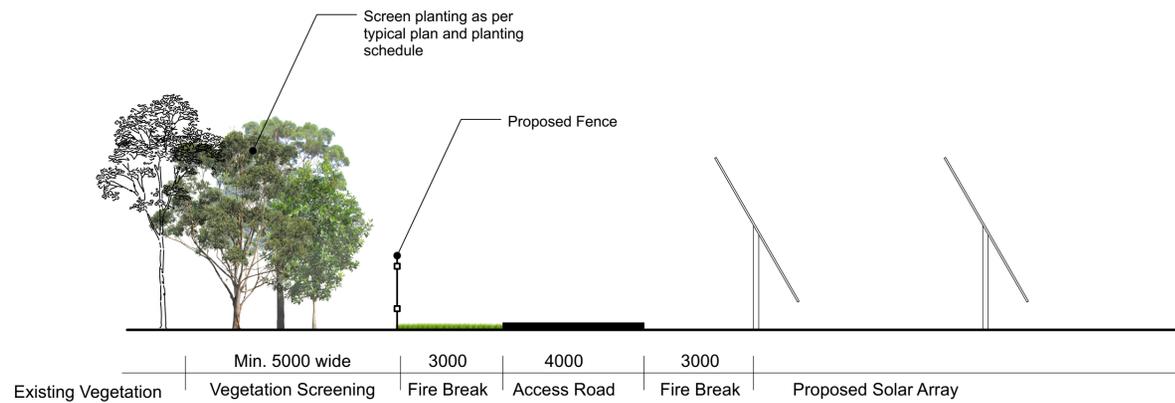
SITE PLAN

| | |
|-------------------------|-------------------------|
| Scale: 1:2000 | Project No. 2152 |
| ORIGINAL DRAWING AT A1. | Drawing No. LP01 |
| Drawn By: SW | Rev. B |
| Checked By: SR | Approved By: DM |



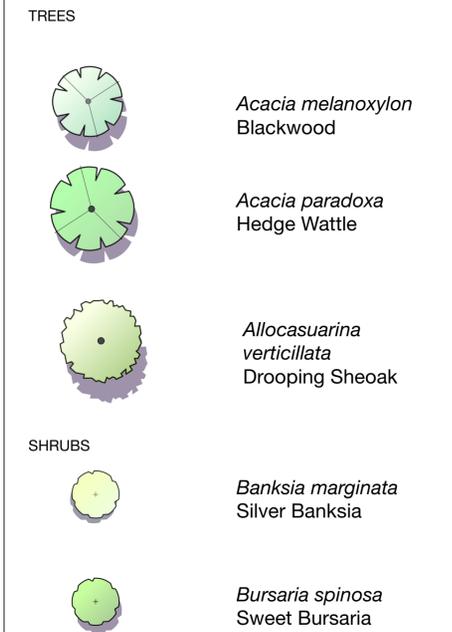
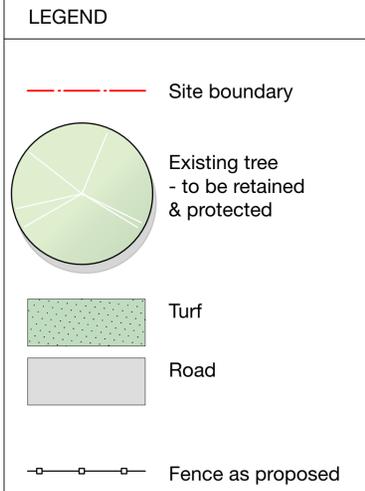
TYPICAL PLANTING PLAN
Scale 1:100 @ A1

ADVERTISED PLAN



TYPICAL SECTION
Scale 1:100 @ A1

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Indicative Planting Schedule

| Code | Botanical Name | Common Name | Pot Size | Mature Height | Mature Width | Notes |
|---------------|-----------------------------------|-----------------|-----------|---------------|--------------|----------------|
| Trees | | | | | | |
| ACA mel | <i>Acacia melanoxylon</i> | Blackwood | 27 Ltr | 12m | 5m | Native / Local |
| ACA par | <i>Acacia paradoxa</i> | Hedge Wattle | 25 Ltr | 4m | 4m | Native / Local |
| ALL ver | <i>Allocasuarina verticillata</i> | Drooping Sheoak | 27 Ltr | 9m | 5m | Native / Local |
| Shrubs | | | | | | |
| BAN mar | <i>Banksia marginata</i> | Silver Banksia | 200mm Pot | 2m | 2m | Native / Local |
| BUR spi | <i>Bursaria spinosa</i> | Sweet Bursaria | 200mm Pot | 3m | 2m | Native / Local |



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Architect:

Engineer:

| No. | Date | Revision |
|-----|-----------|------------------------|
| A | 30/9/2022 | CONCEPT LANDSCAPE PLAN |
| B | 7/10/2022 | CONCEPT LANDSCAPE PLAN |

By

SW
SW



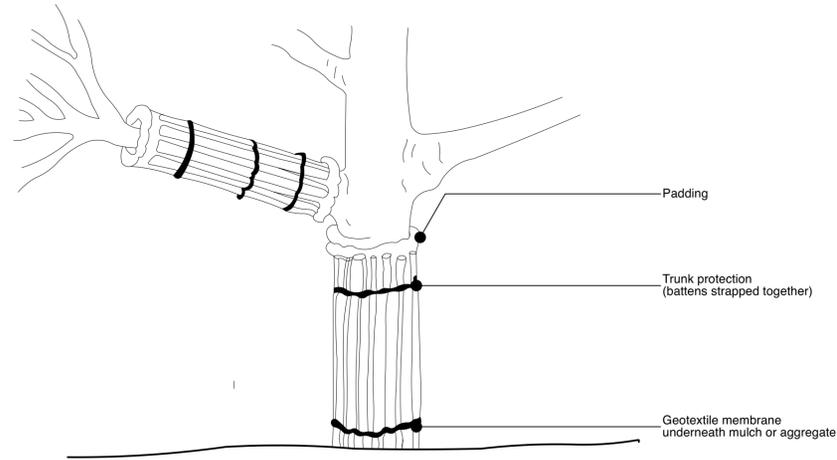
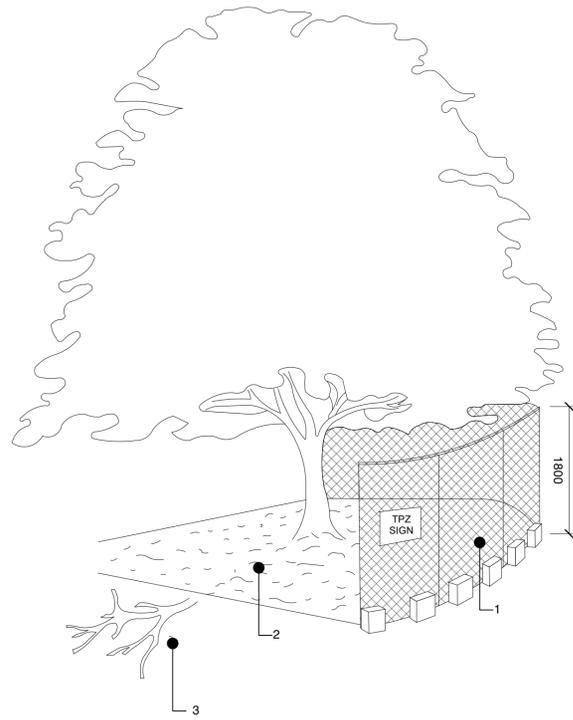
North

Status:

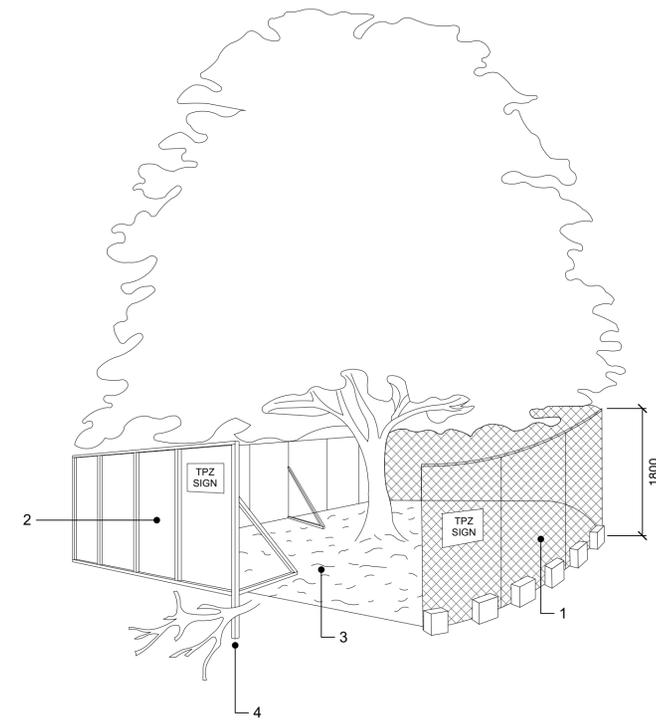
Final
Anakie Solar Farm
Anakie Victoria
BNRG Renewables Ltd

DETAIL PLAN

| | |
|-------------------------|------------------|
| Scale: 1:100 | Project No. 2152 |
| ORIGINAL DRAWING AT A1. | Drawing No. LP02 |
| Drawn By: SW | Rev. B |
| Checked By: SR | Approved By: DM |



NOTE:
 1. For trunk and branch protection use boards and padding that will prevent damage to bark. Boards are to be strapped to trees, not nailed or screwed.
 2. Rumble boards should be of suitable thickness to prevent soil compaction and root damage.



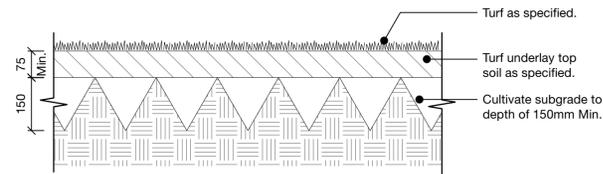
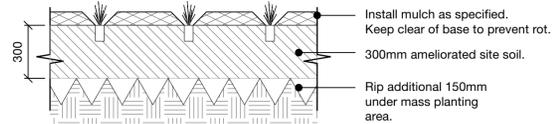
LEGEND:
 1: Chain wire mesh panels with shade cloth (if required) attached, held in place with concrete feet
 2: Alternative plywood or wooden paling fence panels. This fencing material also prevents building materials or soil entering the TPZ
 3: Mulch installation across surface of TPZ
 4: Bracing is permissible within the TPZ. Installation of supports should avoid damaging roots

LEGEND:
 1: Chain wire mesh panels with shade cloth (if required) attached, held in place with concrete feet
 2: Mulch installation across surface of TPZ
 3: Bracing is permissible within the TPZ. Installation of supports should avoid damaging roots

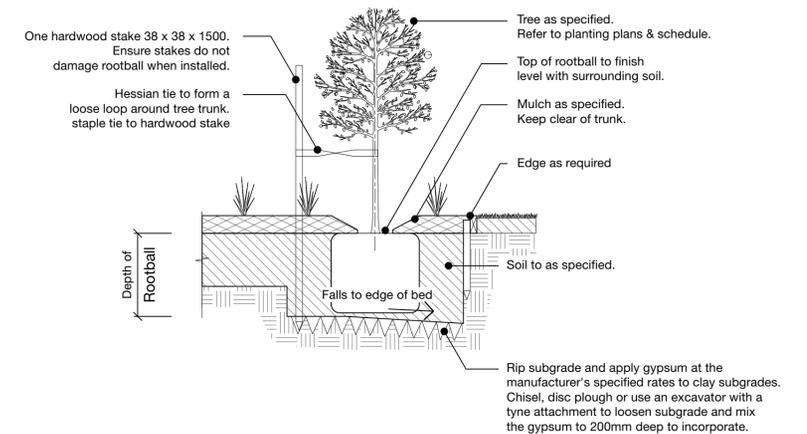
TREE PROTECTIVE FENCING
 Scale 1:50 @ A1

ADVERTISED PLAN

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NOTES:
 1. Finish crossfall to turf shall be 1:80 min. Finish flush with adjoining surfaces.
 2. Soil as specified, provide a turf underlay that complies with AS4419.
 3. Remove contaminated areas, deleterious material such as large rocks greater than 50mm, rubbish and large twigs.
 4. Lay turf parallel to contour, close butted and lightly tamp.
 5. Fill joints with top dressing soil.
 6. Provide subsoil drainage to address any poorly draining areas.
 7. Water in and maintain consistent deep watering for 14 weeks minimum. (Separate to the plant establishment period)
 8. Consistently top dress depressions to provide an even surface.
 9. Mow, top dress and control pests and disease consistently during the remainder of the planting establishment period.
 10. All turf orders to be supplied free of plastic reinforcement mesh.



TYPICAL MASS PLANTING
 Scale 1:20 @ A1

TYPICAL TURF DETAIL
 Scale 1:10 @ A1

TREE IN MASS PLANTING
 Scale 1:20 @ A1



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Architect:

Engineer:

| No. | Date | Revision | By |
|-----|-----------|------------------------|----|
| A | 30/9/2022 | CONCEPT LANDSCAPE PLAN | SW |
| B | 7/10/2022 | CONCEPT LANDSCAPE PLAN | SW |

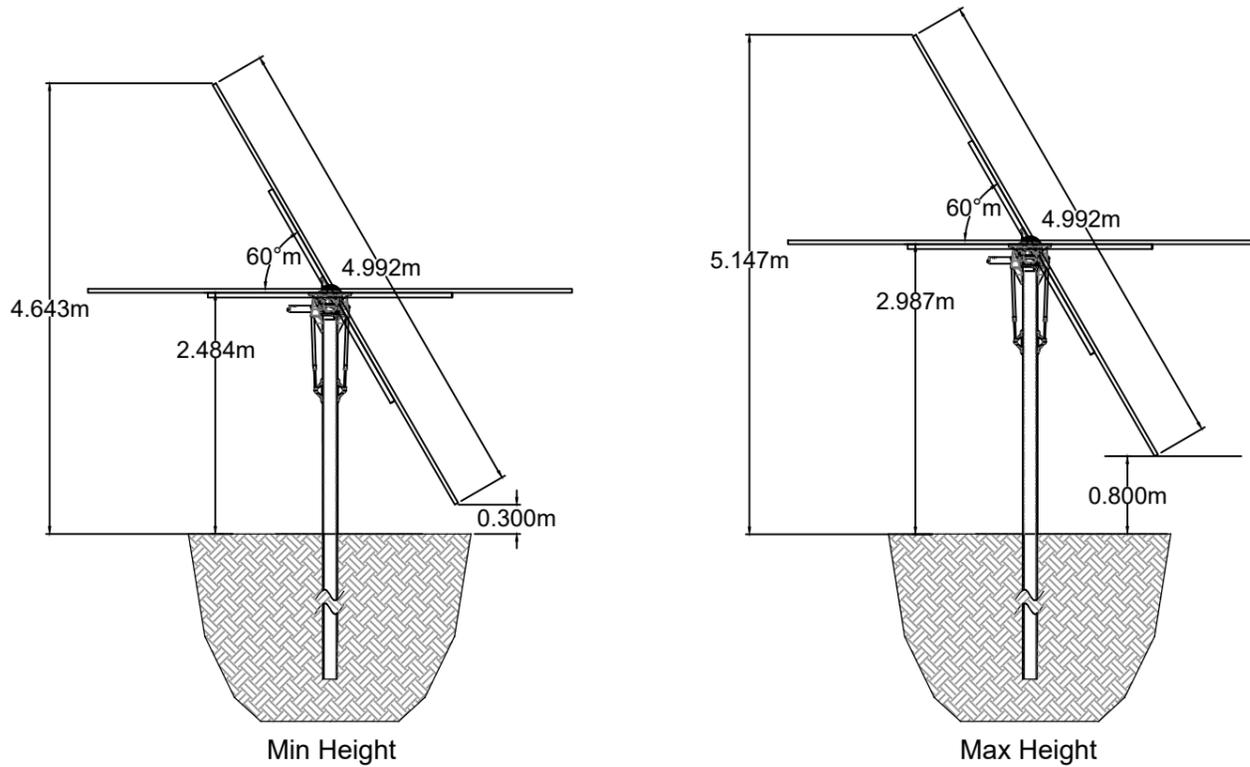
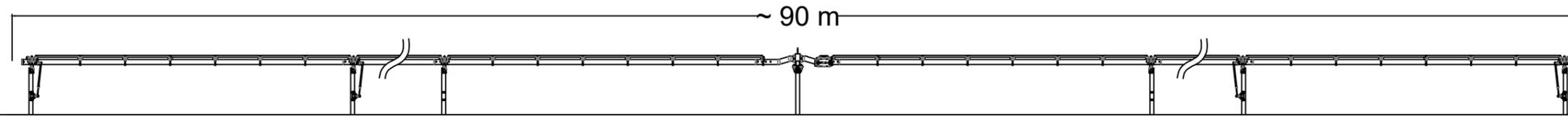
North

Status:
Final
 Anakie Solar Farm
 Anakie Victoria
 BNRG Renewables Ltd

DETAILS

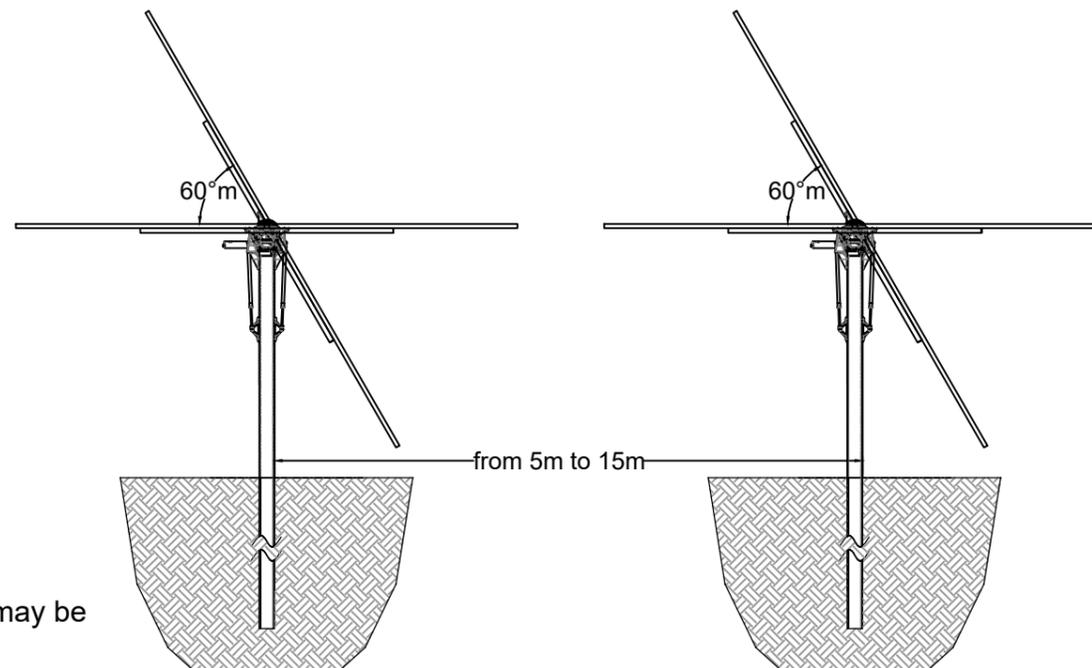
Scale: AS SHOWN
 ORIGINAL DRAWING AT A1.
 Drawn By: SW Approved By: DM
 Checked By: SR

Project No. **2152**
 Drawing No. **LP03**
 Rev. **B**



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ADVERTISED PLAN



Note:
1. The layout drawing is for reference. There may be partial adjustments in the detailed design.

GENERAL NOTES

PROJECT NAME:

DRAWING TITLE:
Tracker Elevation

DRAWN BY:
A. Lopes

CHECKED BY:

APPROVED BY:

DATE:
19/07/2022

Company:
BNRG Renewables Ltd.
Solar Projects Developer.
Unit 1b, Custom House Plaza 3,
Harbourmaster Place, Dublin 1
IRELAND.
CONTACT NO:
E-MAIL :



PROJECT NO:

SCALE:

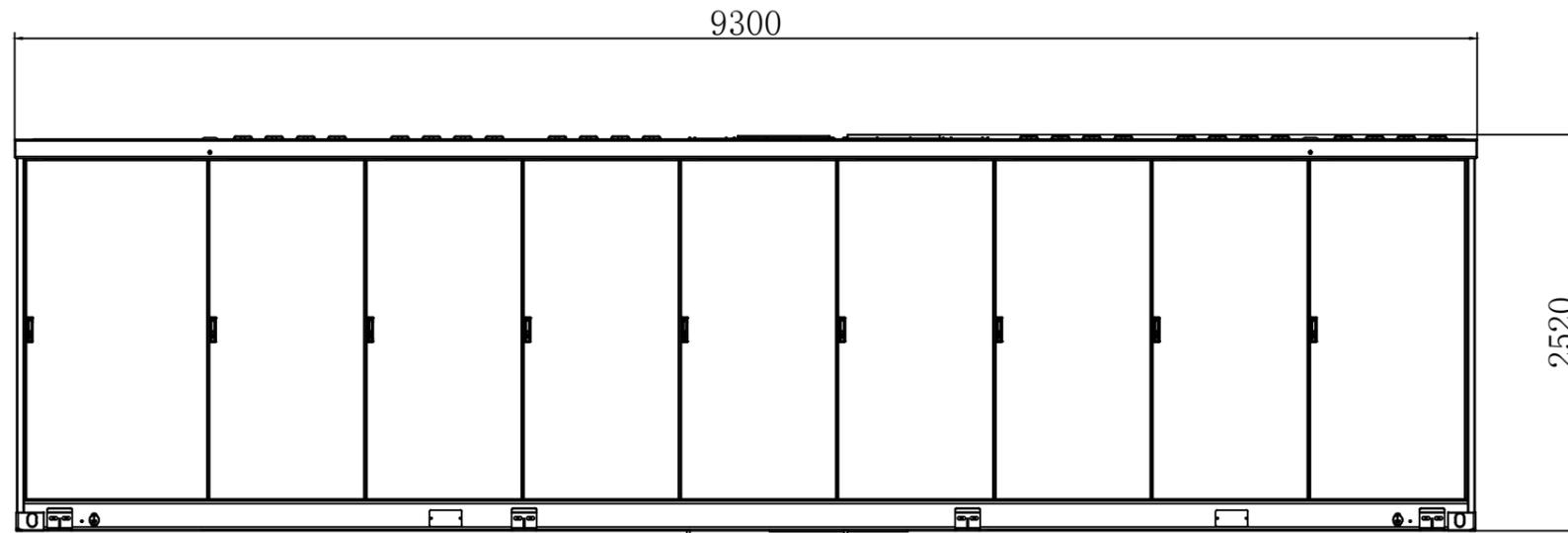
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A3

DRAWING NO:

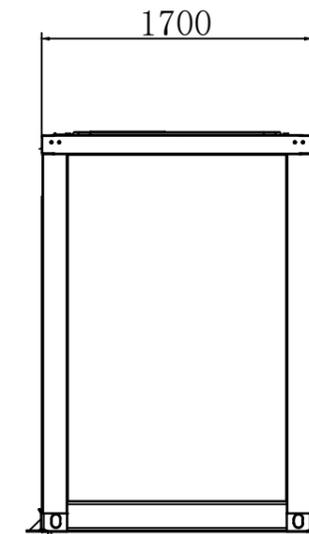
SHEET NO:
01

REVISION:
1.0

UNIT:

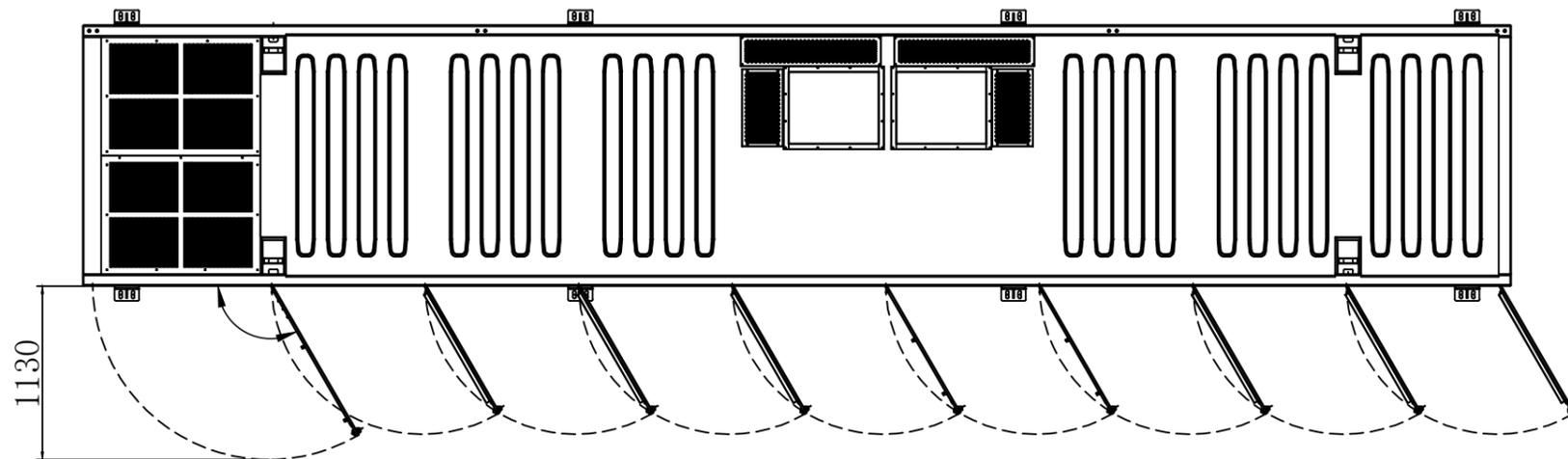


Front View



Side View

ADVERTISED PLAN



Top View

- Note:
1. The layout drawing is for reference. There may be partial adjustments in the detailed design.
 2. Size: 9300mm×2520mm×1700mm (W×H×D)

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GENERAL NOTES

PROJECT NAME:

DRAWING TITLE:
BESS Elevation

DRAWN BY:
A. Lopes

CHECKED BY:

APPROVED BY:

DATE:
23/06/2022

Company:

BNRG Renewables Ltd.
Solar Projects Developer.

Unit 1b, Custom House Plaza 3,
Harbourmaster Place, Dublin 1
IRELAND.
CONTACT NO: +353 1 791 7882
E-MAIL : dmloney@bnrg.ie

PROJECT NO:

SCALE:

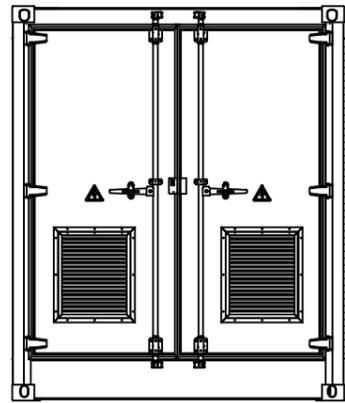
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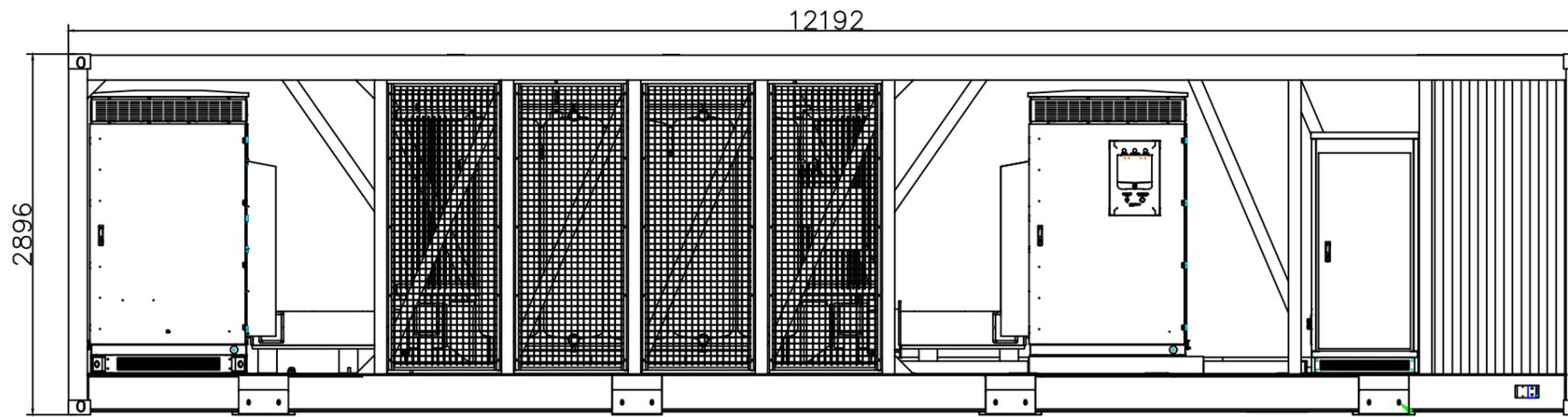
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REVISION:
1.0

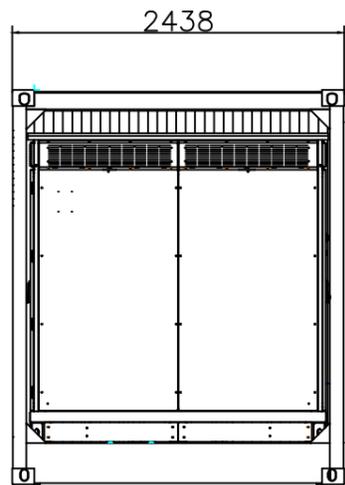
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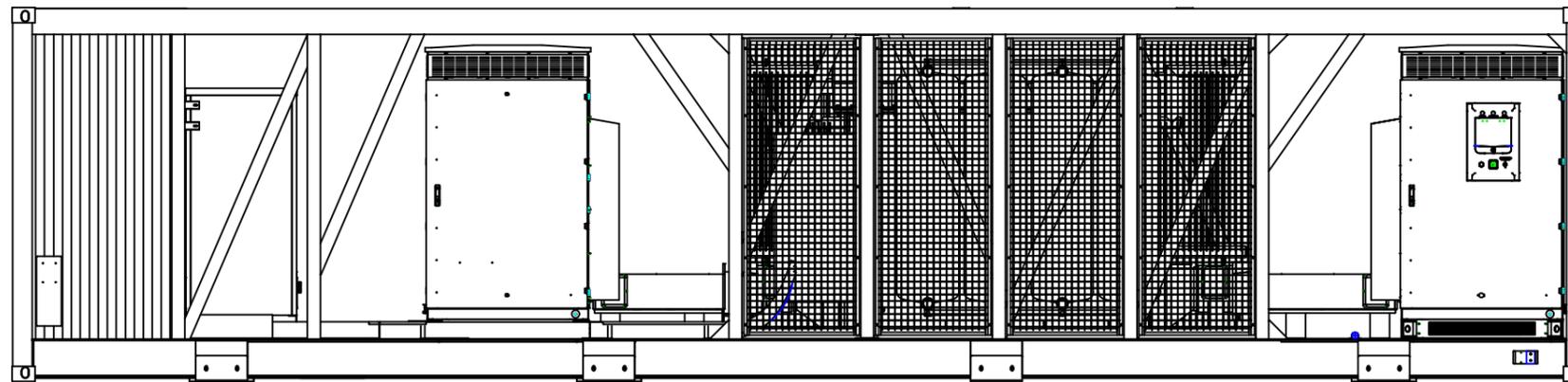
Right View



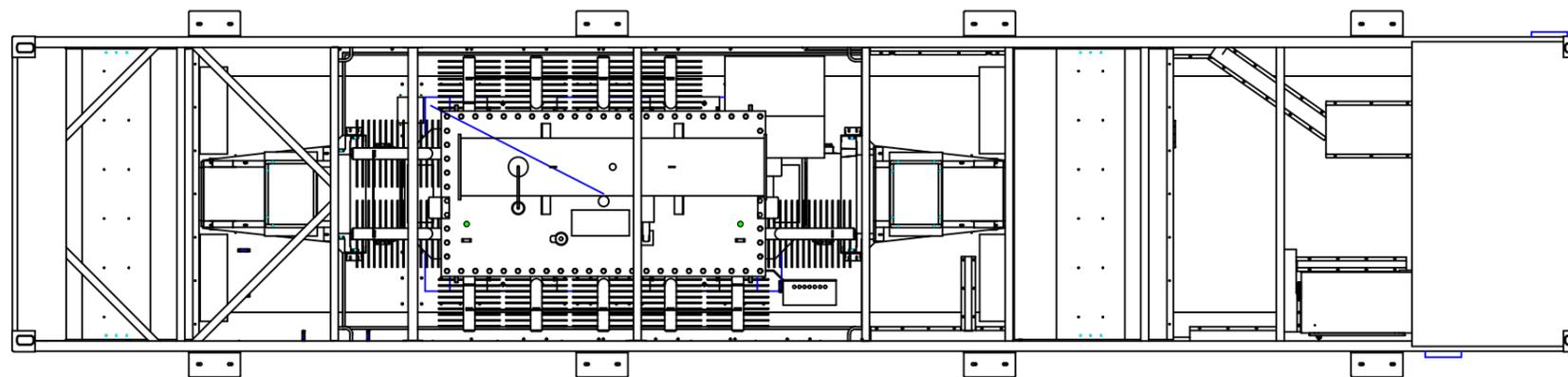
Front View



Left View



Back View



Top View

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Note:

1. The layout drawing is for reference. There may be partial adjustments in the detailed design.
2. Size: 12192mm×2896mm×2438mm (W×H×D)

GENERAL NOTES

PROJECT NAME:

DRAWING TITLE:

SG4950HV-MV Elevation

DRAWN BY:

A. Lopes

CHECKED BY:

APPROVED BY:

DATE:

24/06/2022

Company:

BNRG Renewables Ltd.
Solar Projects Developer.

Unit 1b, Custom House Plaza 3,
Harbourmaster Place, Dublin 1
IRELAND.
CONTACT NO: +353 1 791 7882
E-MAIL : dmloney@bnrg.ie



PROJECT NO:

SCALE:

SHEET SIZE:

A3

DRAWING NO:

SHEET NO:

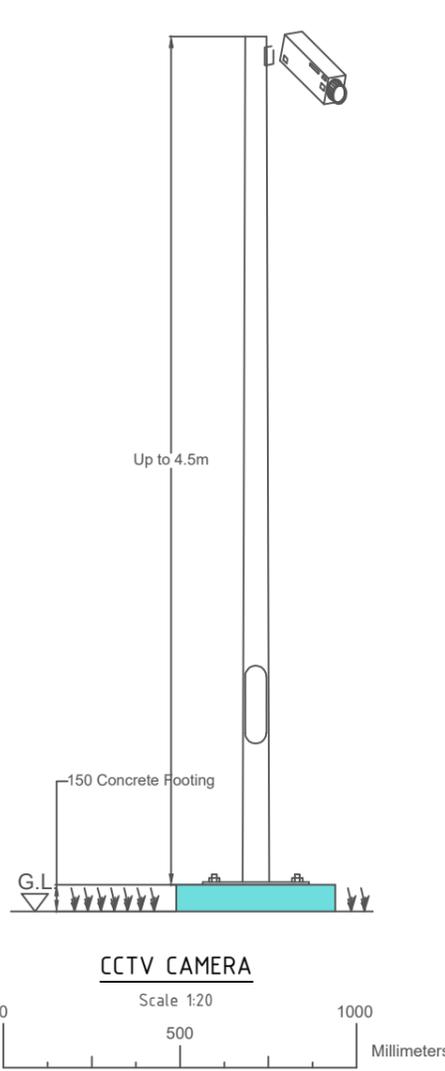
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REVISION:

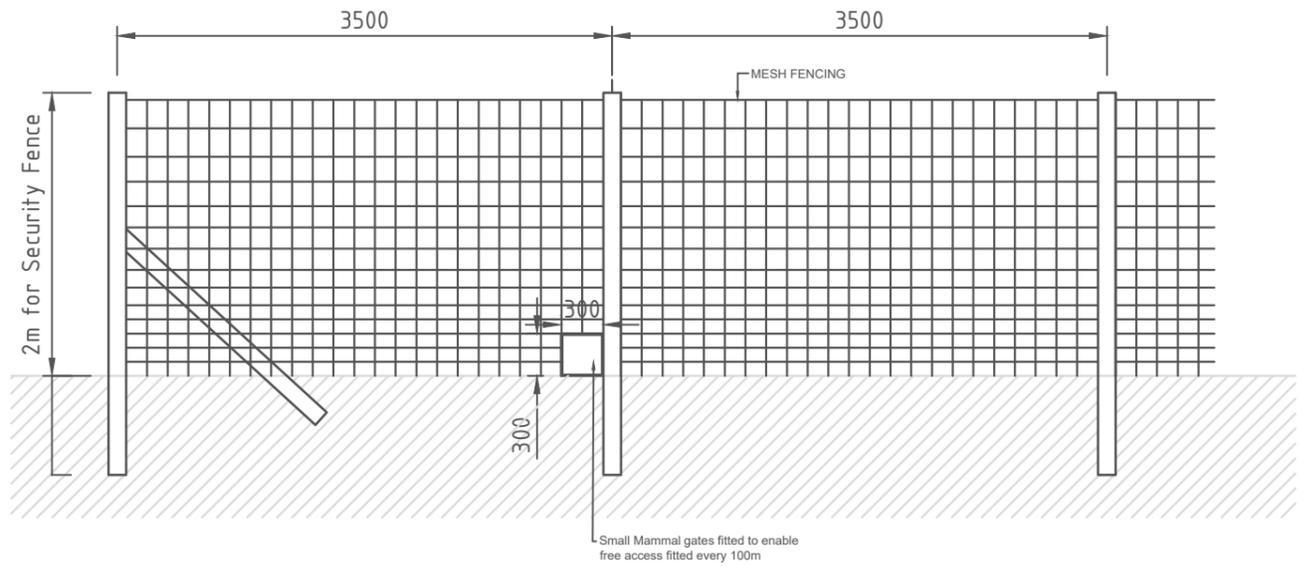
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UNIT:

Millimeters



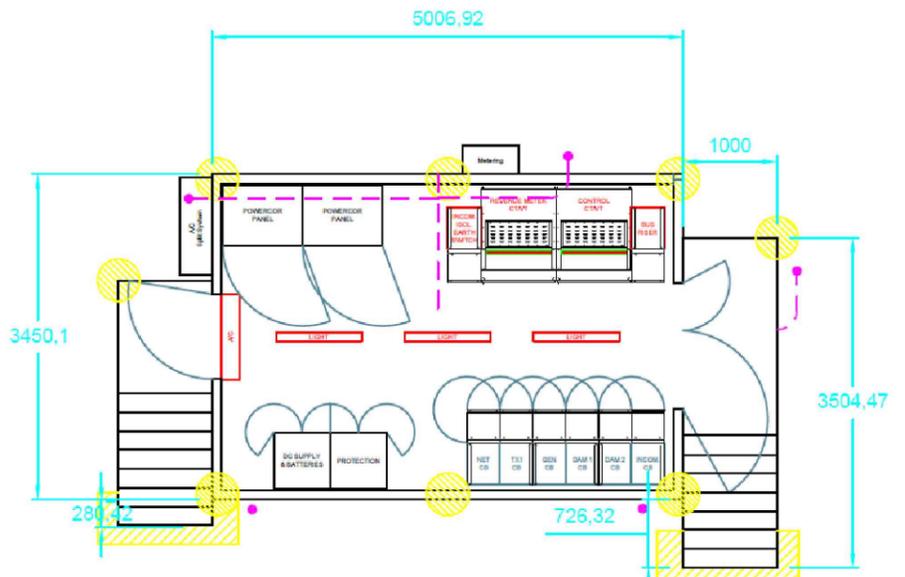
TYPICAL SITE LIGHTING
Indicative motion-senor lights on boards only.
As per AS 4282-1997



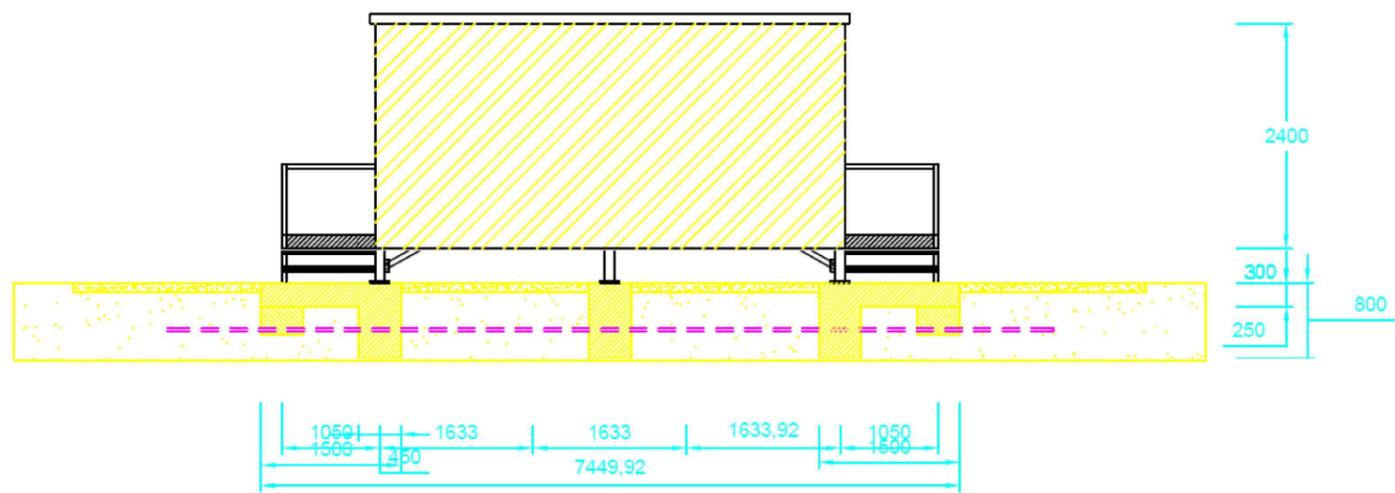
TYPICAL MESH FENCE ELEVATION

ADVERTISED PLAN

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TYPICAL SWITCHROOM DIMENSION



TYPICAL SWITCHROOM ELEVATION

GENERAL NOTES
Not For Construction

PROJECT NAME:

DRAWING TITLE:
Elevations

DRAWN BY:
A. Lopes

CHECKED BY:

APPROVED BY:

DATE:
20/10/2022

Company:
BNRG Renewables Ltd.
Solar Projects Developer.
Unit 1b, Custom House Plaza 3,
Harbourmaster Place, Dublin 1
IRELAND.
CONTACT NO: +353 1 791 7882
E-MAIL : dmoloney@bnrg.ie



PROJECT NO:

SCALE:
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SHEET SIZE:
A3

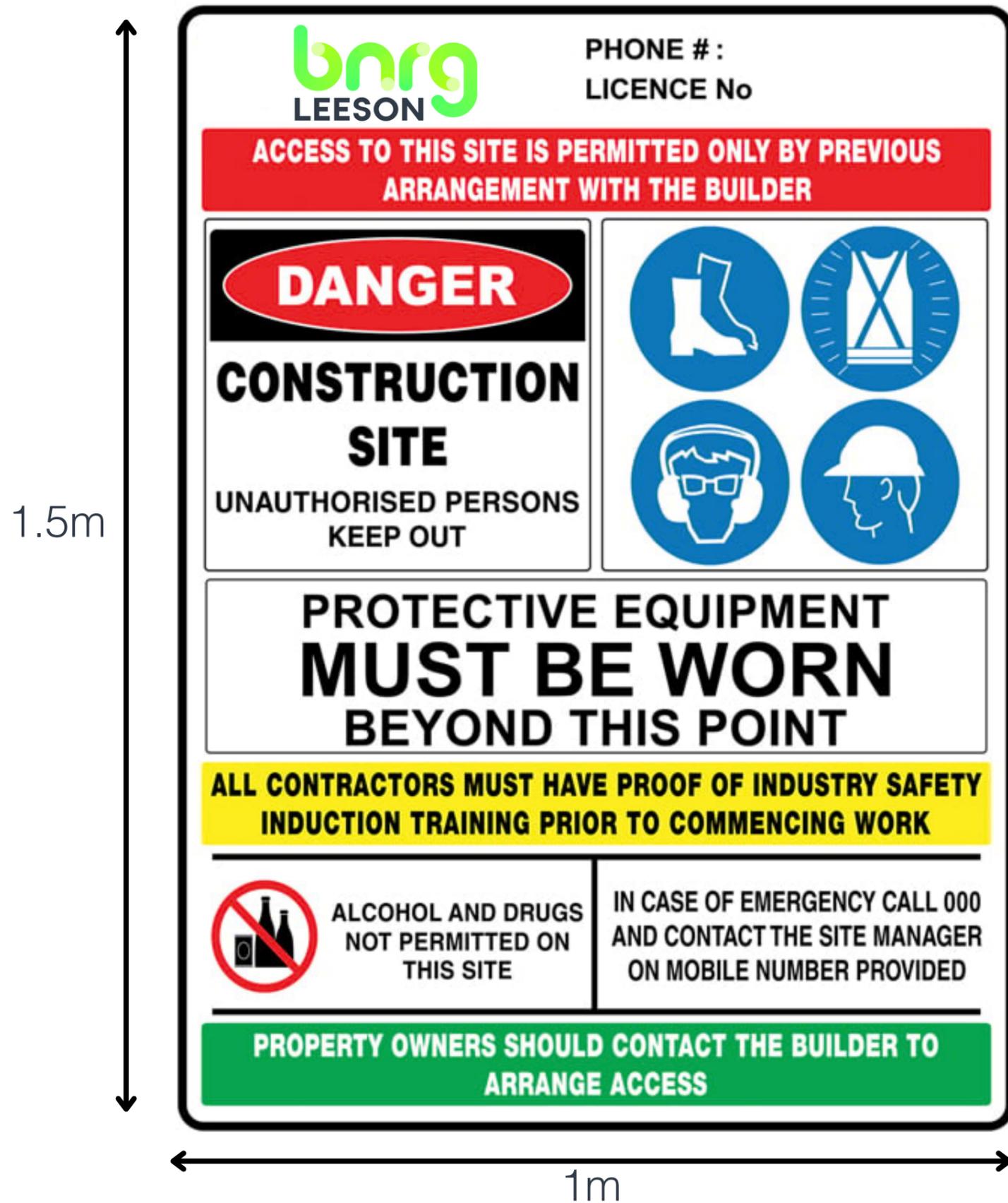
DRAWING NO:
003

SHEET NO:
01

REVISION:
1.0

UNIT:
Millimeters unless noted

BNRG Leeson Solar Farm - Site Signage Dimensions



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ADVERTISED PLAN

Note: Text is indicative.

| ISSUE | APPROVED BY | DATE | AMENDMENT |
|-------|-------------|-------|--|
| A | M-RD&SSE | 12/21 | REVISED PAVEMENT DETAILS AND GENERAL NOTES 1, 2, 3, 4, & 5 |

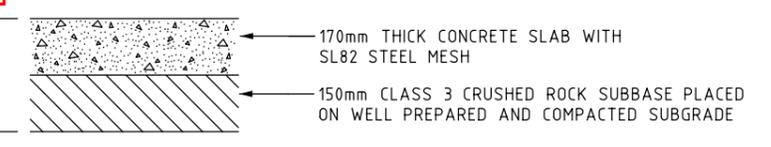
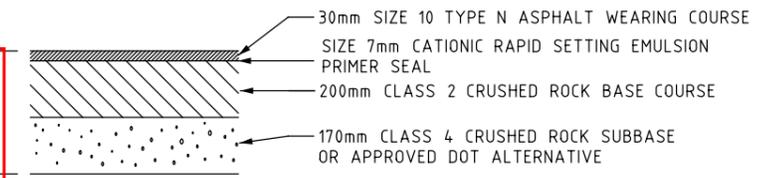
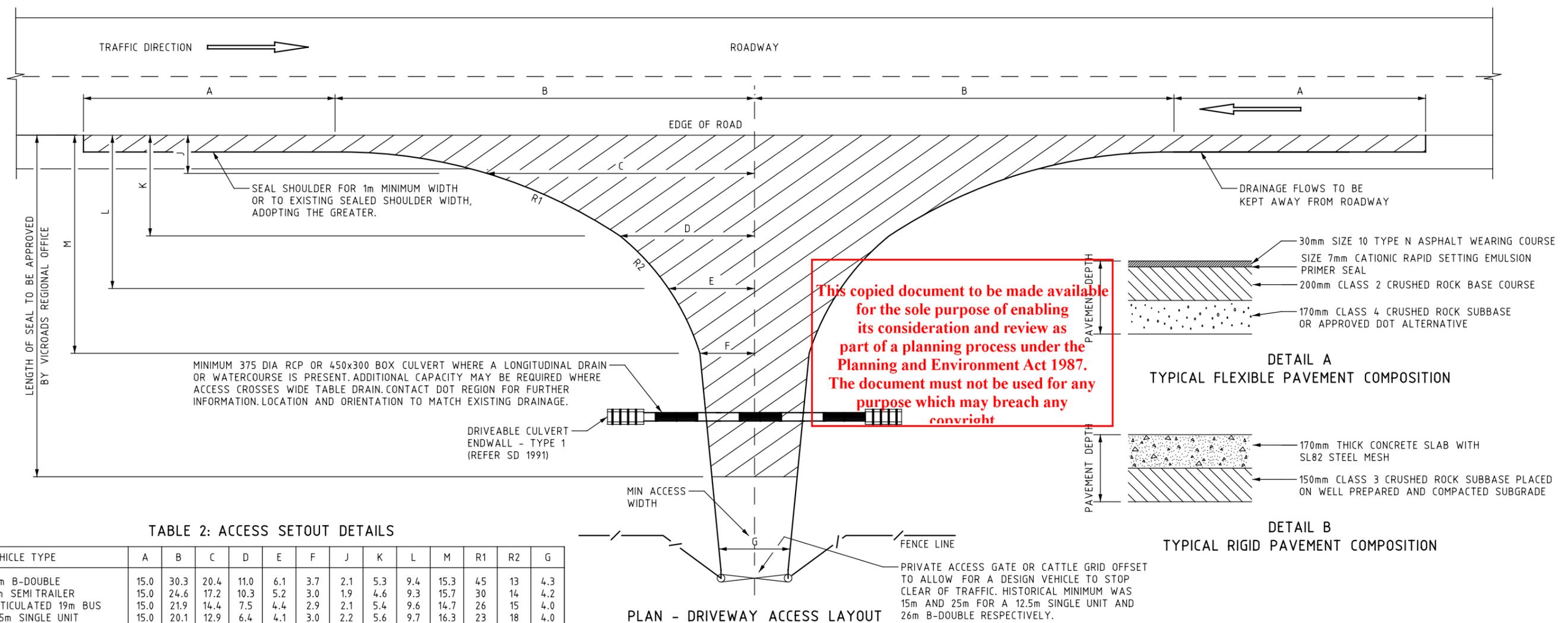


TABLE 2: ACCESS SETOUT DETAILS

| VEHICLE TYPE | A | B | C | D | E | F | J | K | L | M | R1 | R2 | G |
|------------------------|------|------|------|------|-----|-----|-----|-----|-----|------|-----|----|-----|
| 26m B-DOUBLE | 15.0 | 30.3 | 20.4 | 11.0 | 6.1 | 3.7 | 2.1 | 5.3 | 9.4 | 15.3 | 45 | 13 | 4.3 |
| 19m SEMI TRAILER | 15.0 | 24.6 | 17.2 | 10.3 | 5.2 | 3.0 | 1.9 | 4.6 | 9.3 | 15.7 | 30 | 14 | 4.2 |
| ARTICULATED 19m BUS | 15.0 | 21.9 | 14.4 | 7.5 | 4.4 | 2.9 | 2.1 | 5.4 | 9.6 | 14.7 | 26 | 15 | 4.0 |
| 12.5m SINGLE UNIT | 15.0 | 20.1 | 12.9 | 6.4 | 4.1 | 3.0 | 2.2 | 5.6 | 9.7 | 16.3 | 23 | 18 | 4.0 |
| TRUCK + 3 AXLE TRAILER | 15.0 | 18.3 | 11.8 | 6.2 | 4.0 | 3.0 | 2.2 | 5.7 | 9.8 | 14.2 | 18 | 18 | 4.0 |
| TRUCK + 4 AXLE TRAILER | 15.0 | 19.2 | 12.2 | 6.0 | 4.0 | 3.0 | 2.3 | 5.9 | 9.8 | 14.0 | 20 | 17 | 4.0 |
| 8.8m SERVICE VEHICLE | 15.0 | 12.6 | 8.7 | 5.4 | 4.1 | 3.5 | 1.8 | 4.1 | 6.7 | 9.6 | 10 | 13 | 4.0 |
| PASSENGER VEHICLE | 5.0 | 9.3 | 3.8 | 1.8 | - | - | 2.2 | 7.5 | - | - | 7.5 | - | 3.6 |

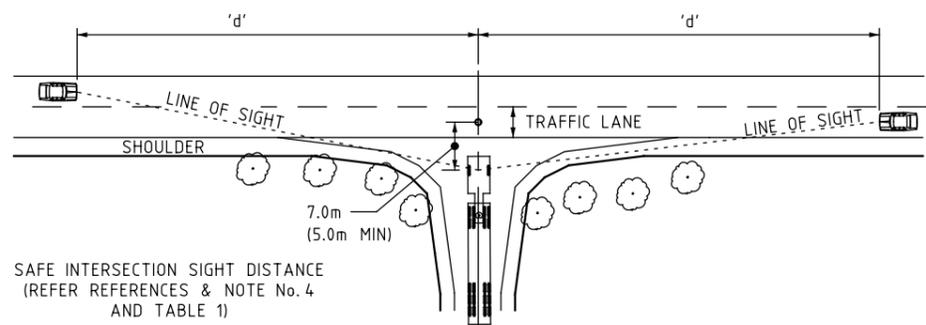
SETOUT DETAILS TO BE BASED ON THE DESIGN VEHICLE SELECTED. CHECK VEHICLE MAY ENCR OACH ON TO OPPOSING TRAFFIC LANE IN <80KM/H SPEED ZONE FOR LOW VOLUME ROADS WITHOUT A CENTRAL BARRIER.

ADVERTISED PLAN

TABLE 1: SIGHT DISTANCES

| DESIGN SPEED (Km/h) | 'd' SAFE INTERSECTION SIGHT DISTANCE (m) | CORRECTION (m) | | | | | | | |
|---------------------|--|-----------------|-----|-----|-----|-------------------|----|----|----|
| | | ROADWAY UPGRADE | | | | ROADWAY DOWNGRADE | | | |
| | | 2% | 4% | 6% | 8% | 2% | 4% | 6% | 8% |
| 60 | 123 | -2 | -4 | -6 | -7 | 2 | 5 | 8 | 11 |
| 70 | 151 | -3 | -5 | -8 | -10 | 3 | 7 | 11 | 15 |
| 80 | 181 | -4 | -7 | -10 | -13 | 4 | 9 | 14 | 20 |
| 90 | 226 | -5 | -9 | -13 | -16 | 5 | 11 | 18 | 25 |
| 100 | 262 | -6 | -11 | -16 | -20 | 6 | 14 | 22 | 31 |
| 110 | 300 | -7 | -13 | -19 | -24 | 8 | 17 | 26 | 38 |

THE DESIGN SPEED IS ASSUMED TO BE 10km/h GREATER THAN THE POSTED SPEED LIMIT FOR RURAL HIGHWAYS AND ROADS



MINIMUM VISIBILITY REQUIREMENTS (NOT TO SCALE)

GENERAL NOTES:

- THE DIAGRAM IS A GUIDE FOR A TYPICAL LAYOUT OF A DRIVEWAY ACCESS FOR A RURAL PROPERTY FOR VEHICLES AS SPECIFIED IN TABLE 2. THIS GUIDE WAS DEVELOPED IN THE INTEREST OF ROAD SAFETY AND TO PROTECT THE ARTERIAL ROAD PAVEMENT AT THE ACCESS LOCATION.
 - SLIGHT VARIATIONS MAY OCCUR AFTER SITE INSPECTION, ANALYSIS AND APPROVAL OF THE LOCATION.
 - THE PAVEMENT COMPOSITION SHALL BE IN ACCORDANCE WITH THAT SHOWN IN DETAIL A. THE PAVEMENT TYPE SHOWN IN DETAIL B IS ONLY SUITABLE FOR INFREQUENT HEAVY VEHICLE TRAFFIC. AN ALTERNATIVE PAVEMENT COMPOSITION WILL REQUIRE APPROVAL BY THE DEPARTMENT OF TRANSPORT. NEW PAVEMENT MUST BE KEYPED INTO EXISTING PAVEMENT AND CRACK SEALED.
 - ANY PROPOSED ALTERNATIVE PAVEMENT DESIGNS SHALL BE UNDERTAKEN IN ACCORDANCE WITH VICROADS CODE OF PRACTICE RC 500.22 SELECTION AND DESIGN OF PAVEMENTS AND SURFACINGS AND AUSTRROADS GUIDE TO PAVEMENT TECHNOLOGY PART 2 PAVEMENT STRUCTURAL DESIGN.
 - PAVEMENT MATERIALS AND EARTHWORK LAYERS NEED TO BE IN ACCORDANCE WITH DOT STANDARD SECTIONS AND/OR LOCAL GOVERNMENT SPECIFICATION REQUIREMENTS.
 - A PLANNING PERMIT IS REQUIRED FOR A NEW ACCESS OR ALTERATION TO AN EXISTING DRIVEWAY AND MAY BE REQUIRED FOR THE REMOVAL OF NATIVE VEGETATION.
 - A TRAFFIC MANAGEMENT PLAN MUST COMPLY WITH THE ROAD MANAGEMENT ACT AND APPLICABLE CODES IN RELATION TO ANY WORKS UNDERTAKEN WITHIN THE ROAD RESERVE.
 - TRUCK WARNING SIGNS & GUIDE POSTS SHOULD BE INSTALLED IN ACCORDANCE WITH AUSTRROADS GUIDE TO TRAFFIC MANAGEMENT & VICROADS SUPPLEMENTS.
 - THE DRIVEWAY ACCESS CONSTRUCTION AND MAINTENANCE IS THE RESPONSIBILITY OF THE PROPERTY OWNER. MAINTENANCE ALSO INCLUDES ASSOCIATED DRAINAGE WORKS.
- SIGHT DISTANCE:
- A DRIVER, WHEN LOCATED 7.0M (5.0M MIN) FROM THE CONFLICT POINT TAKEN AS THE CENTRE OF THE TRAFFIC LANE, NEEDS TO SEE A VEHICLE APPROACHING IN EITHER DIRECTION. REFER TABLE 1 FOR APPROPRIATE SIGHT DISTANCES.
 - TREE CANOPIES, BUSHES OR OTHER OBJECTS SHALL BE REMOVED TO PROVIDE GOOD VISIBILITY. ANY TREE CANOPIES OVERHANGING THE PATH OF A TRUCK SHALL BE A MINIMUM OF 5.0M ABOVE THE GROUND SURFACE.
 - SIGHT LINES MUST ACHIEVE THE MINIMUM SAFE INTERSECTION SIGHT DISTANCE BASED ON AN EYE HEIGHT OF 1.1M TO AN OBJECT HEIGHT OF 1.25M.

VicRoads Drawing No. 720453

- NOTES:
- ALL DIMENSIONS ARE IN METRES, UNLESS SHOWN OTHERWISE
 - THIS DRAWING FORMS PART OF THE VRS TO AGRD PART 4 AND SHOULD BE READ IN CONJUNCTION WITH THOSE REFERENCES

- REFERENCES:
- AUSTRROADS GUIDE TO ROAD DESIGN PART 4
 - AUSTRROADS GUIDE TO ROAD DESIGN PART 4A
 - AUSTRROADS GUIDE TO ASSET MANAGEMENT PART 5
 - AUSTRROADS GUIDE TO PAVEMENT TECHNOLOGY PART 2
 - AUSTRROADS GUIDE TO TRAFFIC MANAGEMENT
 - VICROADS SUPPLEMENTS TO AUSTRROADS GUIDES
 - VICROADS CODE OF PRACTICE RC 500.22
 - SELECTION AND DESIGN OF PAVEMENTS AND SURFACINGS
 - SD 1991 DRIVEABLE CULVERT ENDWALLS (TYPE 1)



AGRD PART 4
TYPICAL ACCESS TO RURAL PROPERTIES

NOT TO SCALE APPROVED M-SSE 07/2020 GD NO. GD4010 ISSUE A