













## ADVERTISED PLAN



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 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: \_\_\_\_\_

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SHEET SIZE:  
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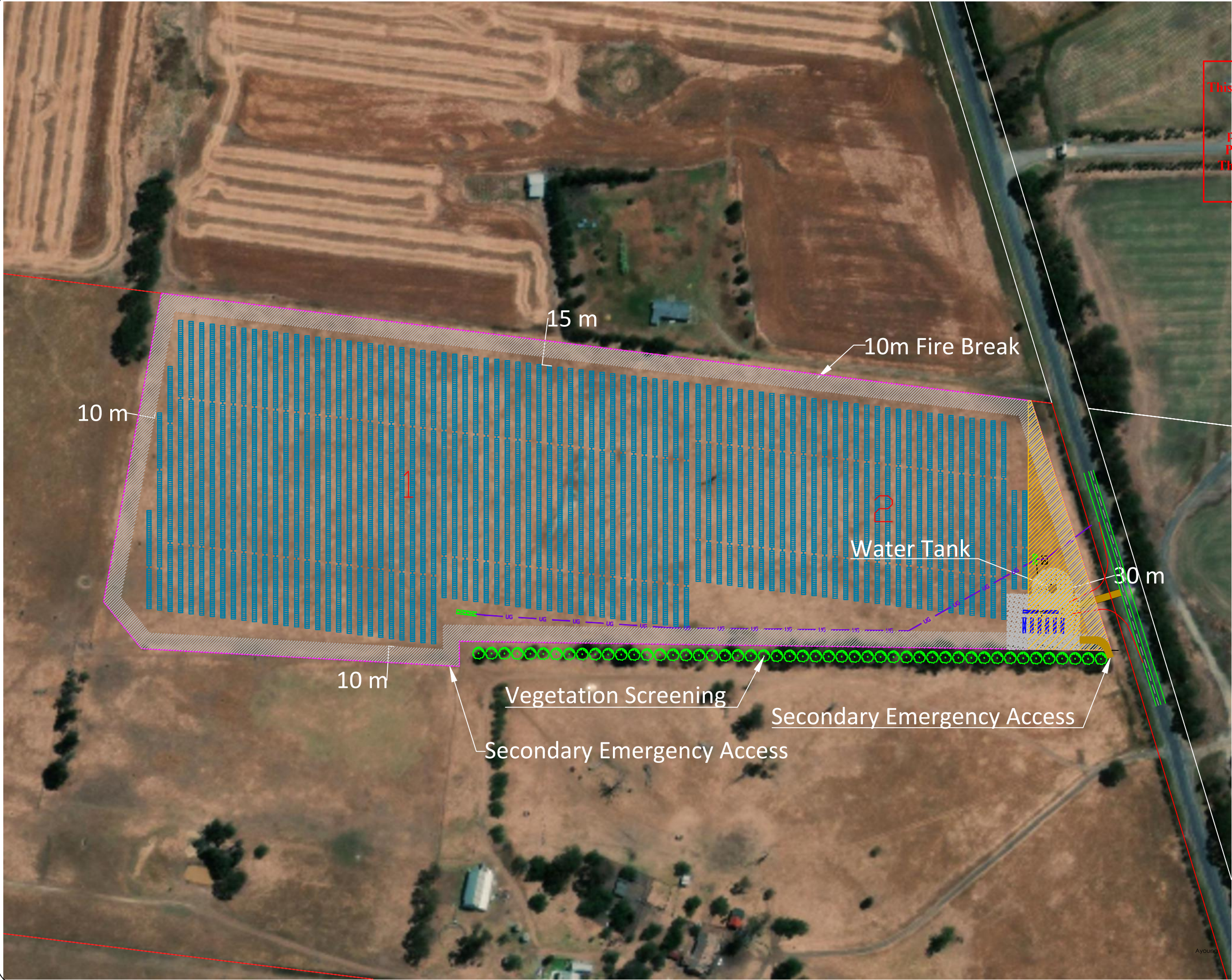
SHEET NO:  
01

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 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:  
-

SCALE:  
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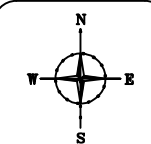
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DRAWING NO:  
-

SHEET NO:  
01

REVISION:  
-

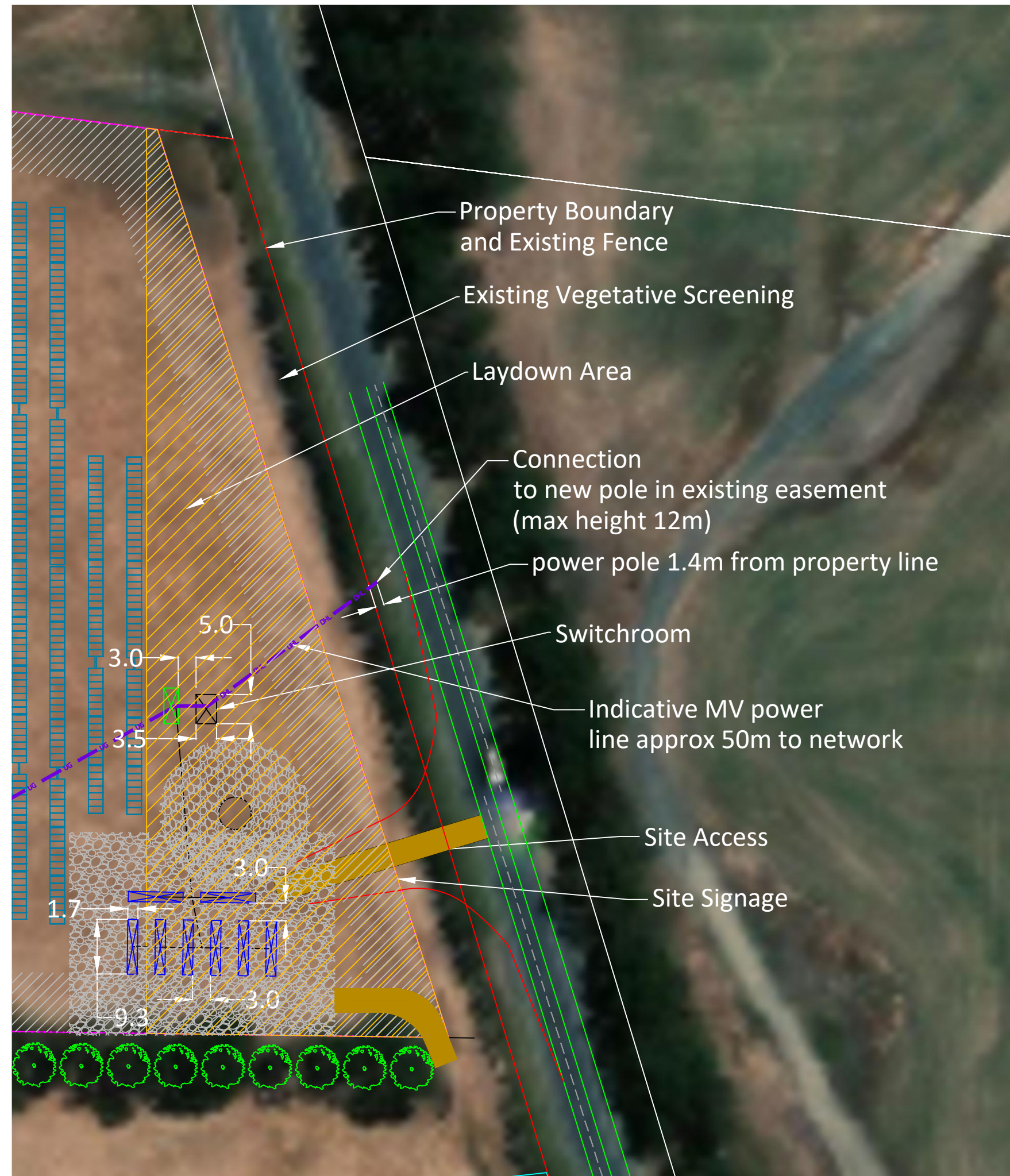
UNIT:  
-





## 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 Transversible 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:  
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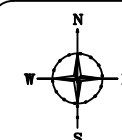
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SHEET NO:  
01

REVISION:  
-

UNIT:  
-



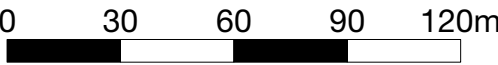




- LEGEND
- SITE BOUNDARY
  - FENCE AS PROPOSED
  - SOLAR PV ARRAY
  - BESS
  - MV SWITCHGEAR
  - INVERTER / TRANSFORMER
  - ACCESS ROAD
  - 10 m FIRE BREAK
  - APPROXIMATE EXTENT OF EXISTING VEGETATION
  - APPROXIMATE EXTENT OF PROPOSED SCREENING. REFER TO PLANTING PLAN AND PLANTING SCHEDULE
  - LAYDOWN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

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SITE PLAN  
Scale 1:200 @ A1



ADVERTISED PLAN



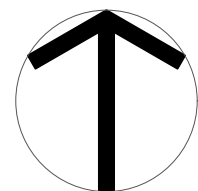
Studio 1, 88 Fern Street  
PO Box 111  
Islington NSW 2296  
Phone (02) 49653500  
admin@moirla.com.au  
www.moirla.com.au



Architect:  
  
Engineer:

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

By  
SW  
SW



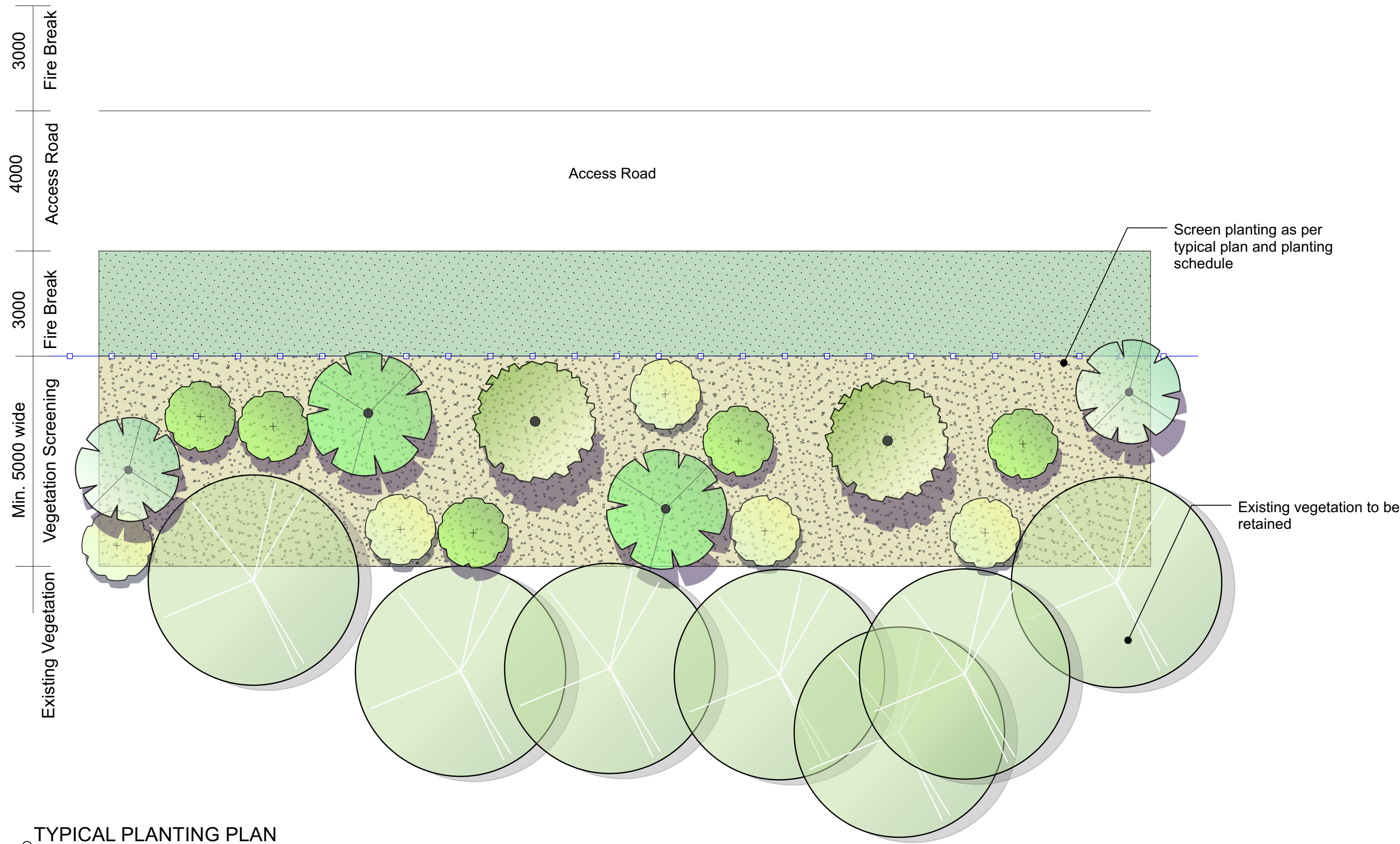
North

Status:  
**Final**  
Anakie Solar Farm  
  
Anakie Victoria  
BNRG Renewables Ltd

SITE PLAN

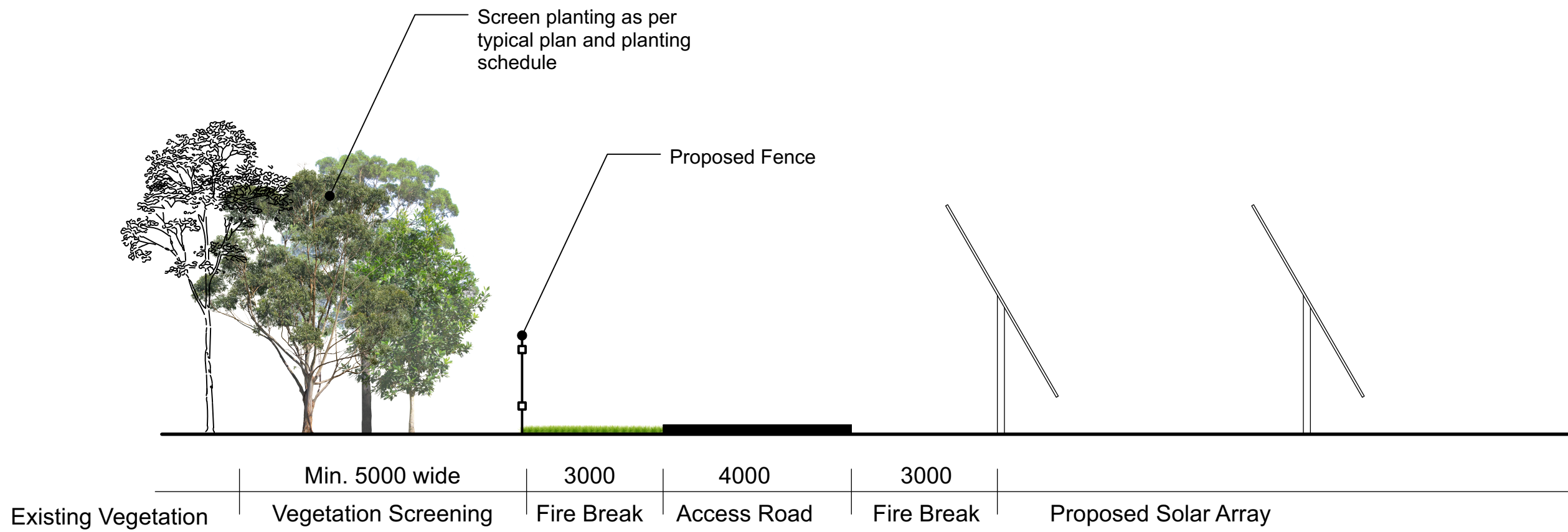
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ORIGINAL DRAWING AT A1.	Drawing No. <b>LP01</b>
Drawn By: SW Checked By: SR	Rev. <b>B</b>





TYPICAL PLANTING PLAN  
Scale 1:100 @ A1

ADVERTISED PLAN



TYPICAL SECTION  
Scale 1:100 @ A1

Indicative Planting Schedule

Code	Botanical Name	Common Name	Pot Size	Mature Height	Mature Width	Notes
<strong>Trees</strong>						
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
<strong>Shrubs</strong>						
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

LEGEND

- Site boundary
- Existing tree - to be retained & protected
- Turf
- Road
- Fence as proposed

TREES

- Acacia melanoxylon*  
Blackwood
- Acacia paradoxa*  
Hedge Wattle
- Allocasuarina verticillata*  
Drooping Sheoak

SHRUBS

- Banksia marginata*  
Silver Banksia
- Bursaria spinosa*  
Sweet Bursaria

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Architect:

Engineer:

No.

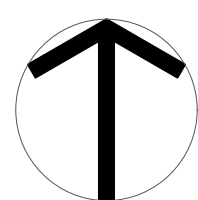
Date

Revision

By

SW

SW



North

Status:

Final

Anakie Solar Farm

Anakie Victoria

BNRG Renewables Ltd

DETAIL PLAN

Scale: 1:100

ORIGINAL DRAWING AT A1.

Drawn By:

SW

Checked By:

SR

Approved By:

DM

Drawing No.

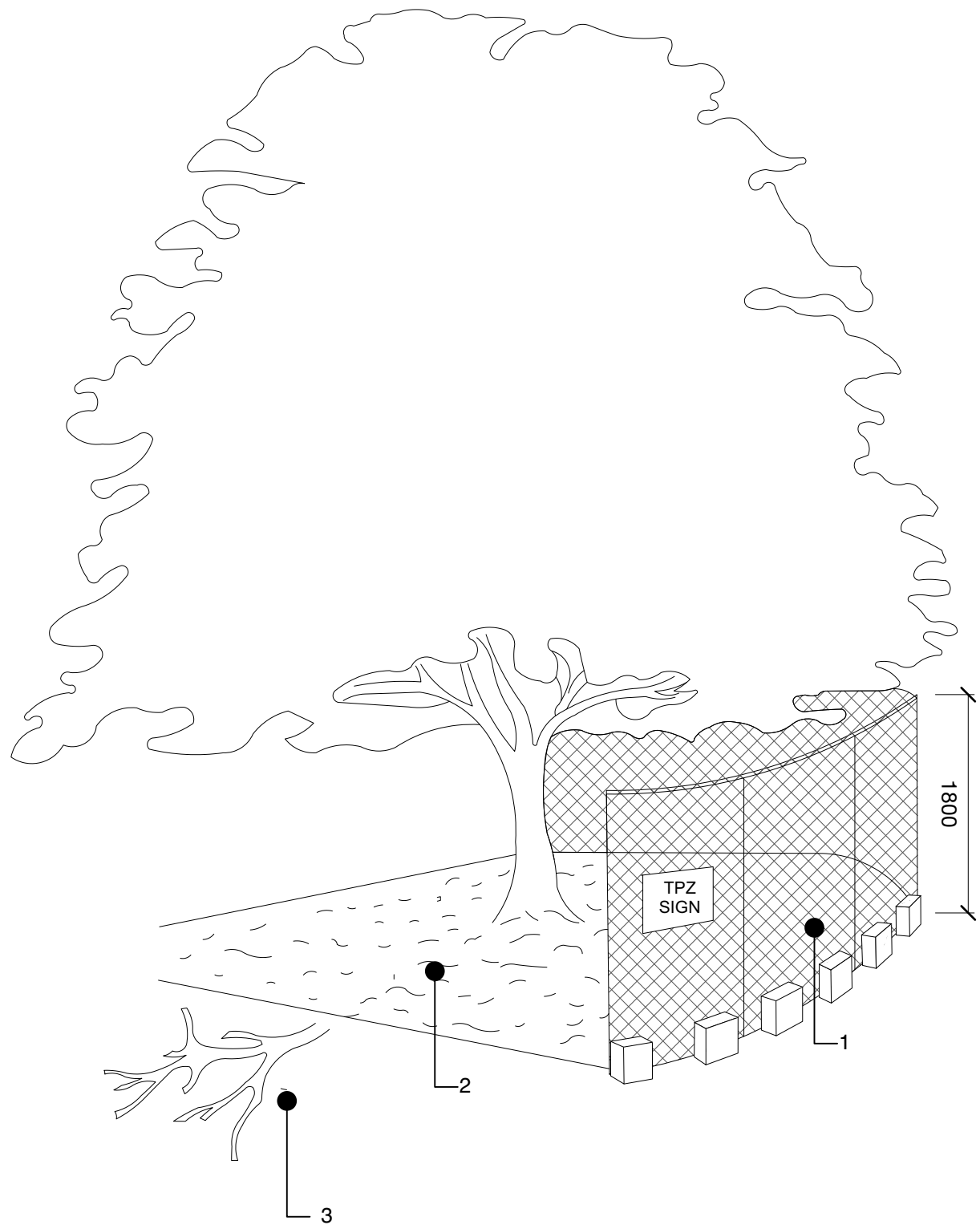
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Rev.

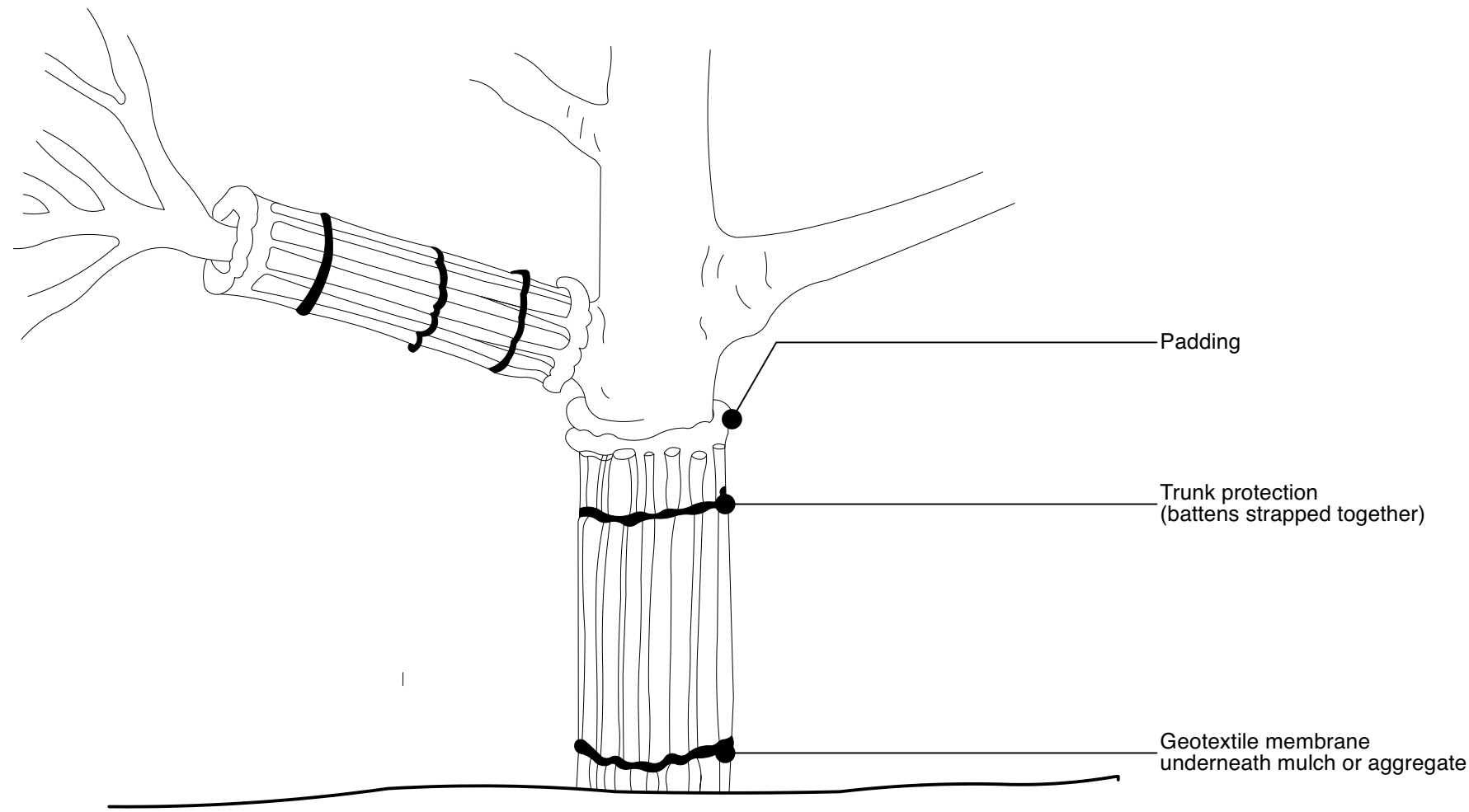
B

Project No. 2152

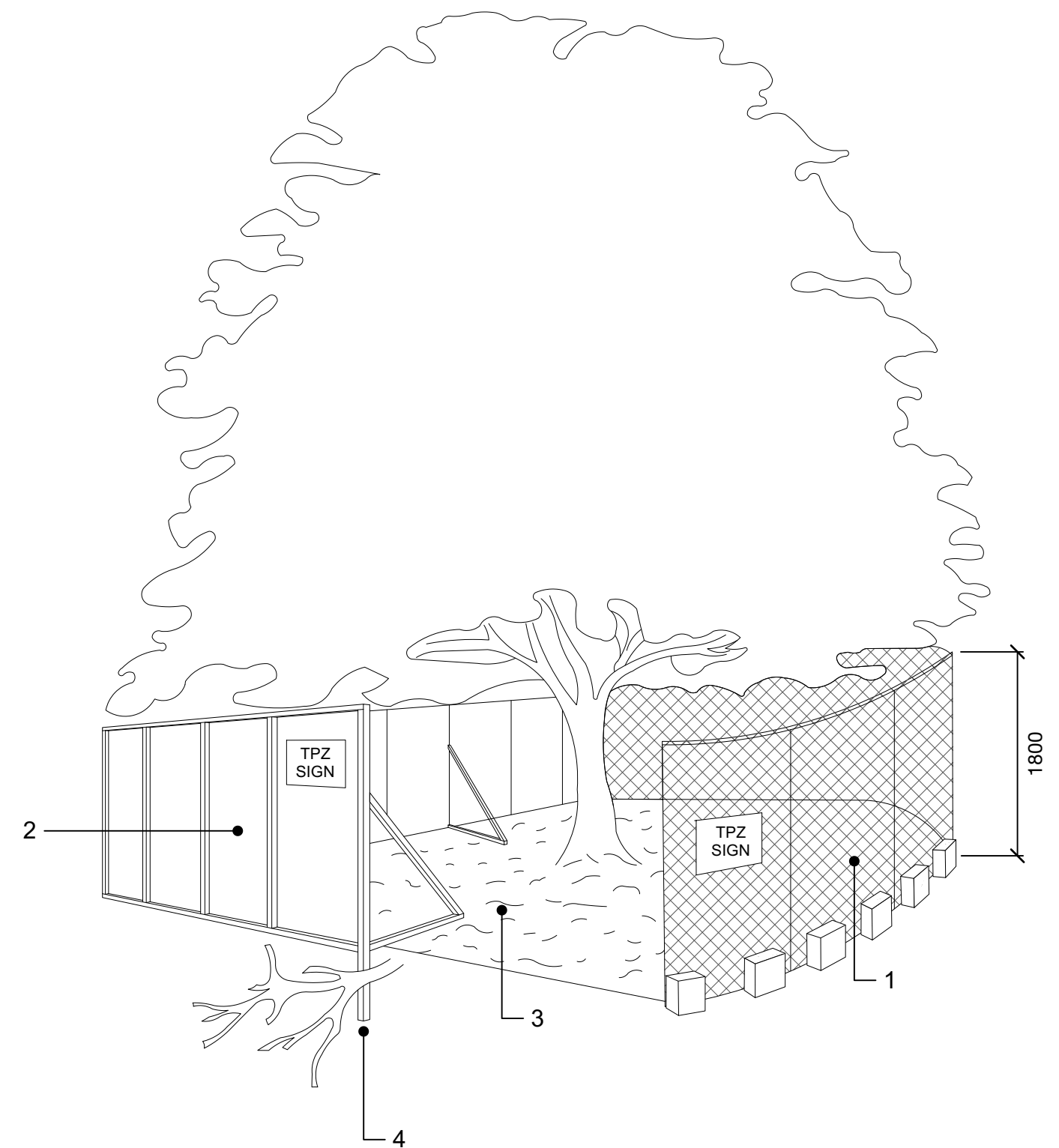




LEGEND:  
1: Chain wire mesh panels with shade cloth (if required) attached, held in place with concrete feet  
2: Mulch installation across surface of TPZ  
3: Bracing is permissible within the TPZ. Installation of supports should avoid damaging roots



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.



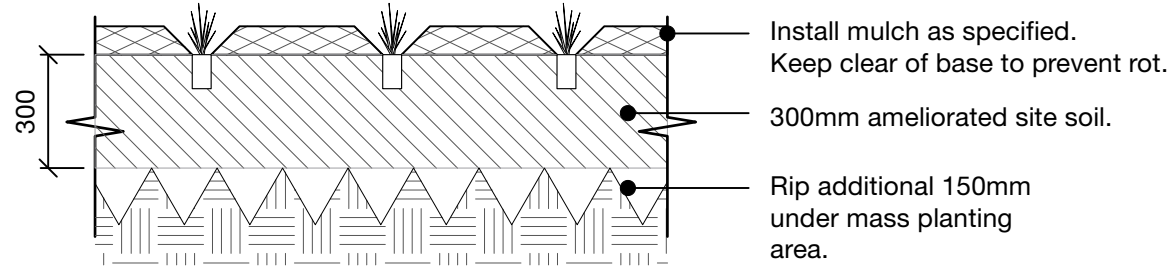
LEGEND:  
1: Chain wire mesh panels with shade cloth (if required) attached, held in place with concrete feet  
2: Alternative plywood or wooden paling fence panels. This fencing material also prevents building materials or soil entering the TPZ  
3: Mulch installation across surface of TPZ  
4: Bracing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

#### TREE PROTECTIVE FENCING

Scale 1:50 @ A1

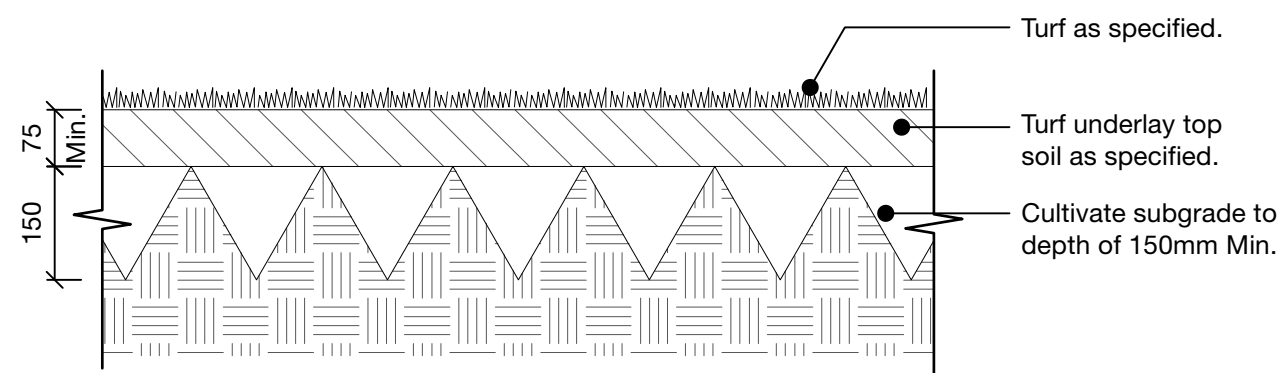
#### ADVERTISED PLAN

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#### TYPICAL MASS PLANTING

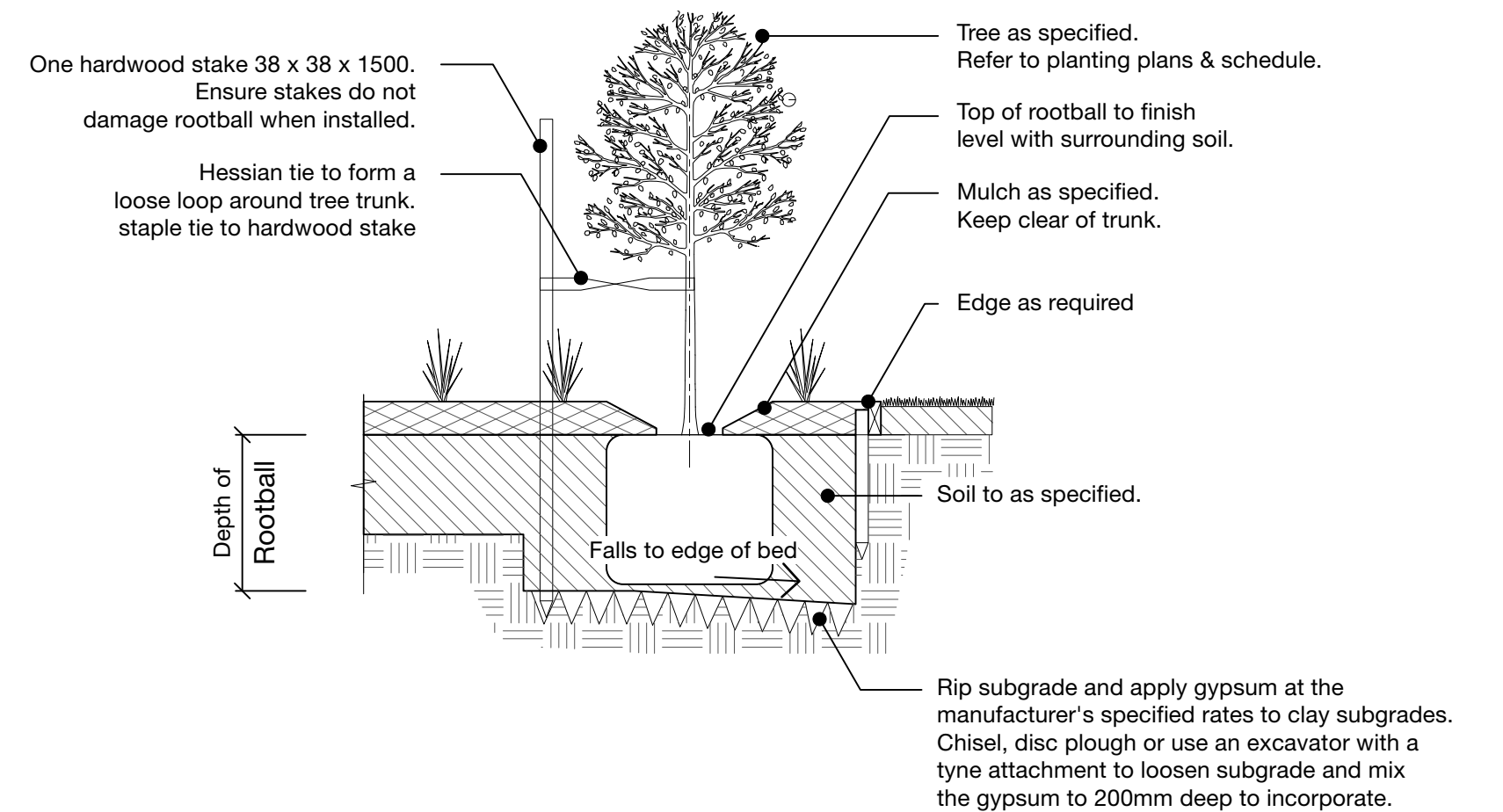
Scale 1:20 @ A1



#### TYPICAL TURF DETAIL

Scale 1:10 @ A1

- 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.



#### 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  
Checked By: SR

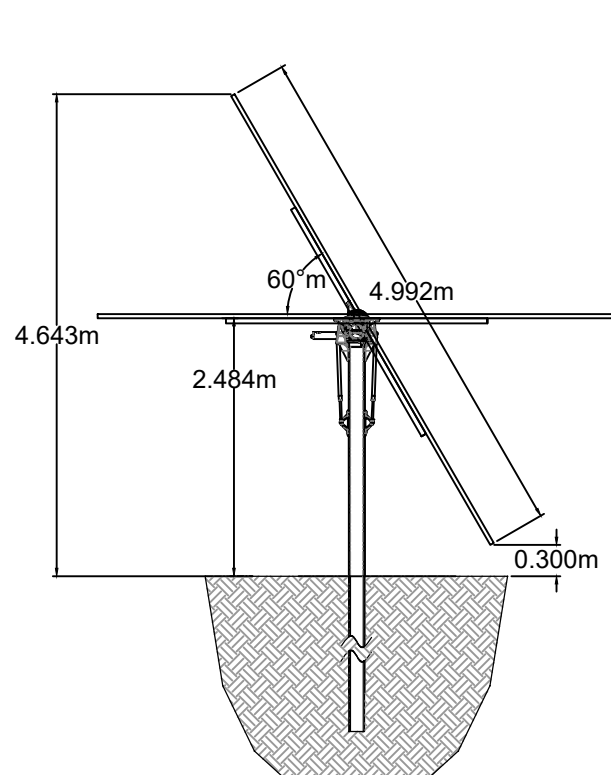
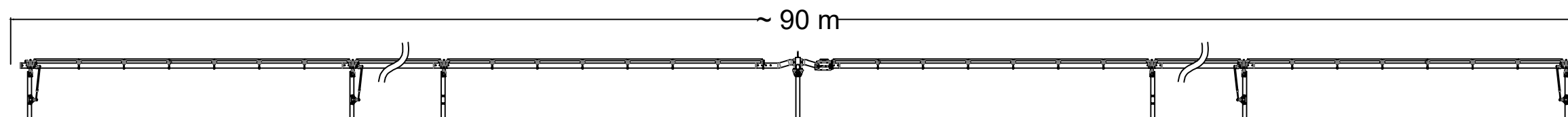
Project No. 2152

Drawing No. LP03  
Rev. B

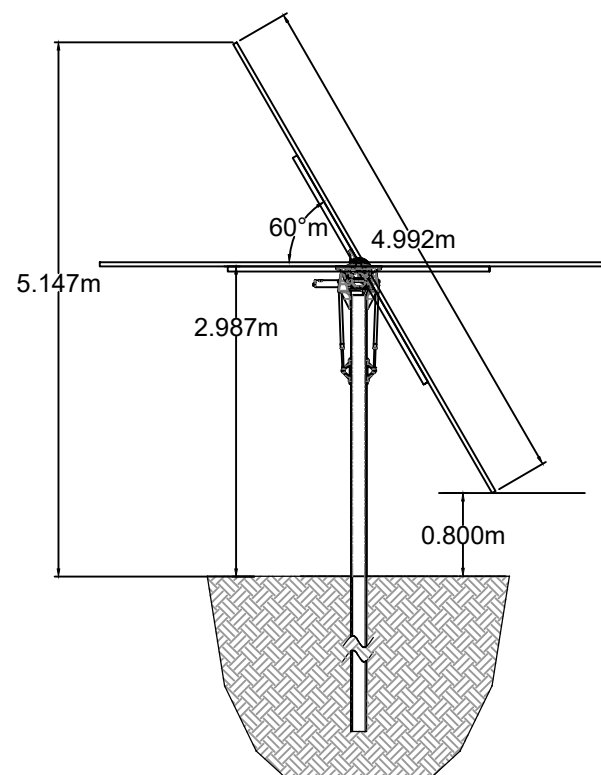


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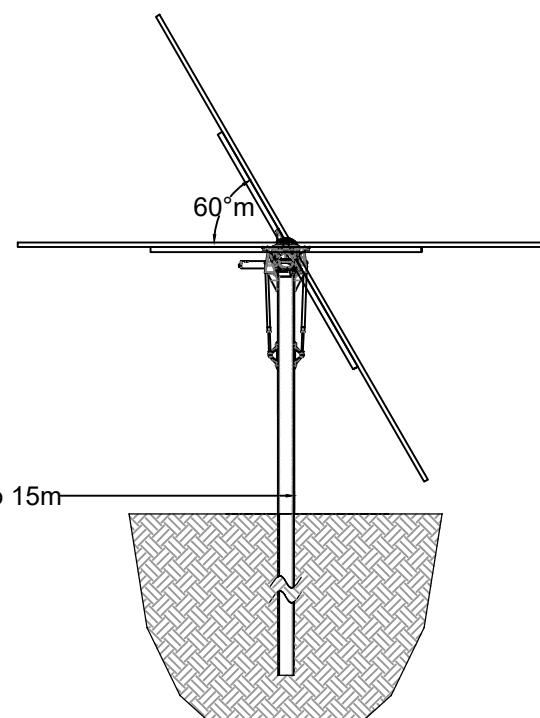
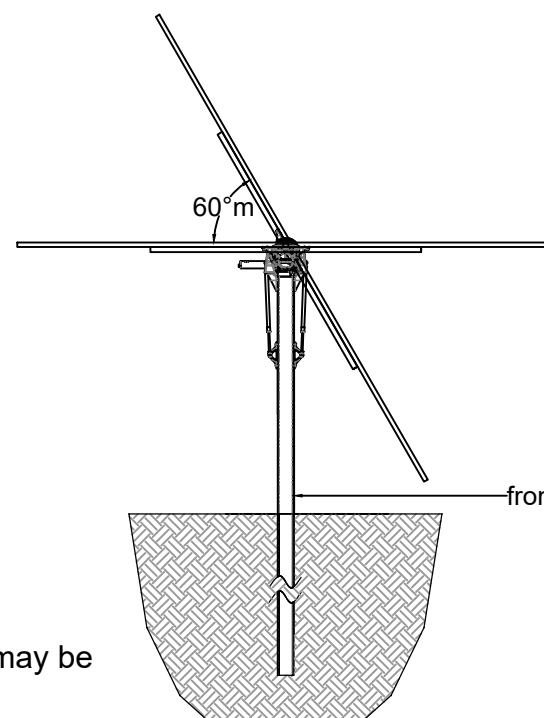
Note:  
1. The layout drawing is for reference. There may be partial adjustments in the detailed design.



Min Height



Max Height



ADVERTISED PLAN

#### 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:

SHEET SIZE:  
A3

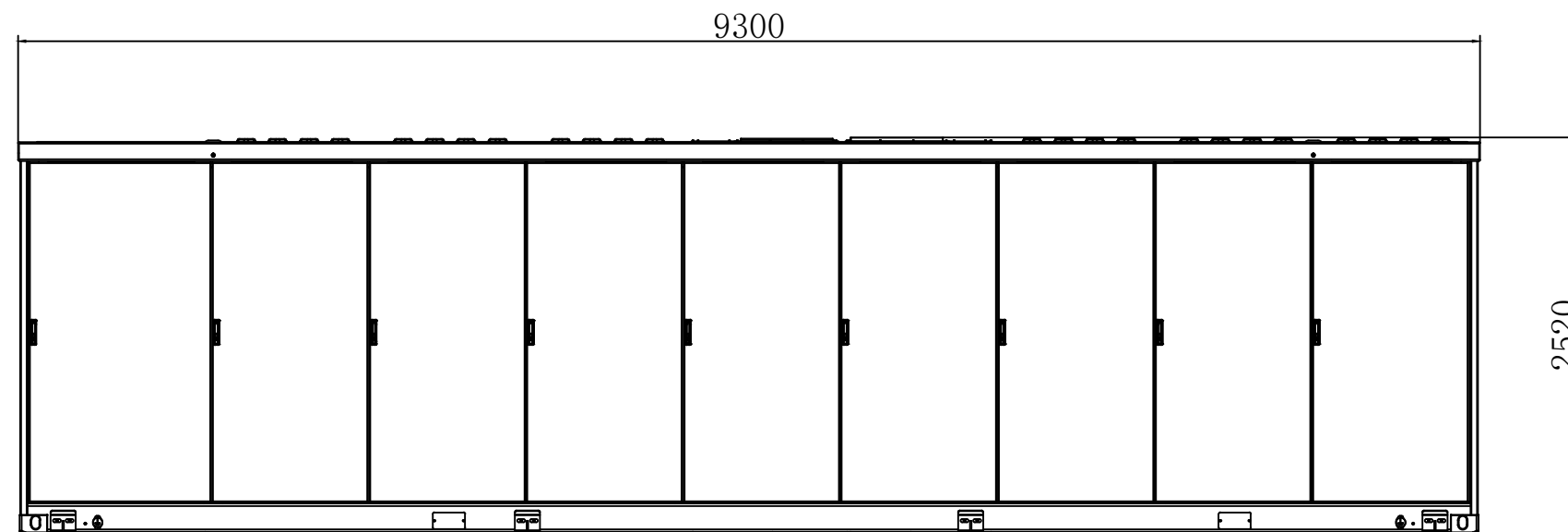
DRAWING NO:

SHEET NO:  
01

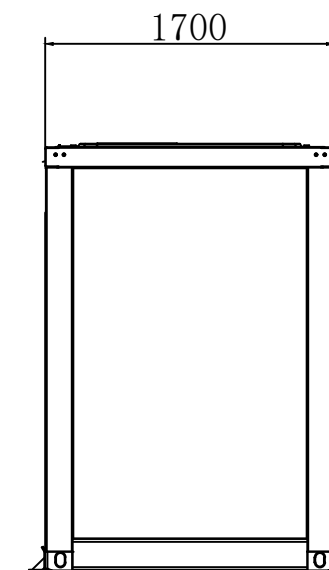
REVISION:  
1.0

UNIT:



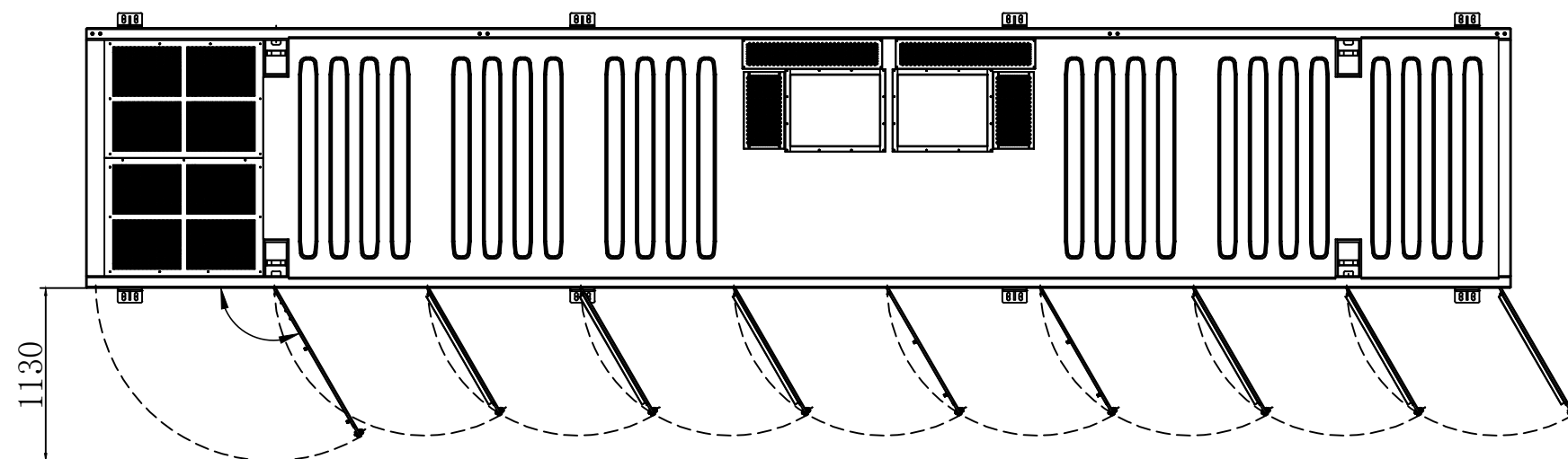


Front View



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:

#### SHEET SIZE:

A3

#### DRAWING NO:

#### SHEET NO:

01

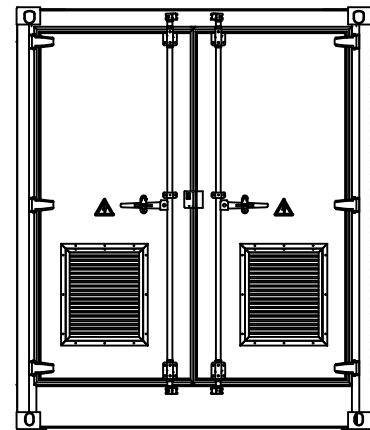
#### REVISION:

1.0

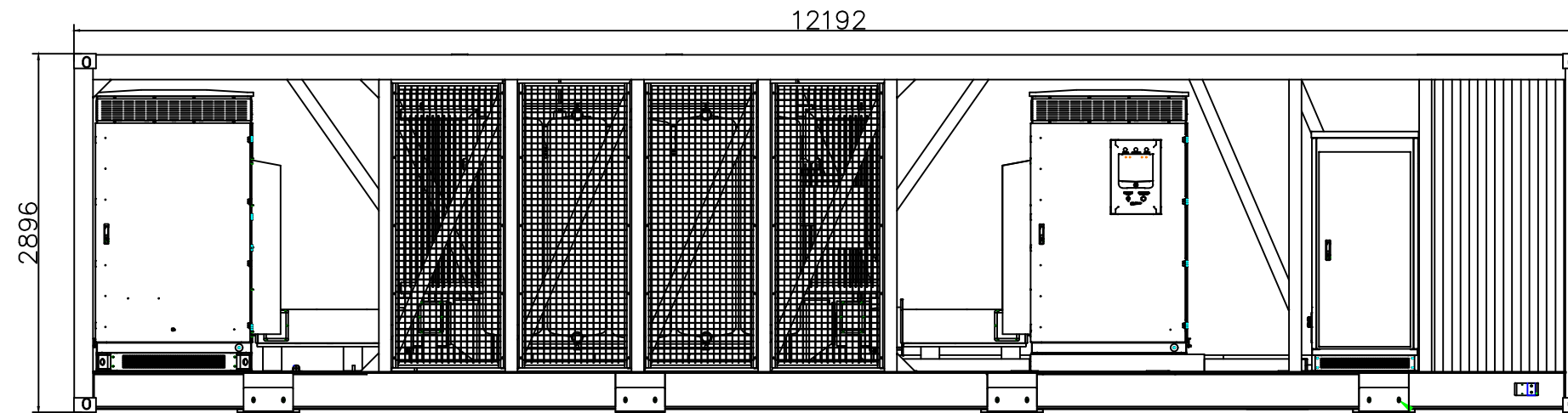
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Millimeters

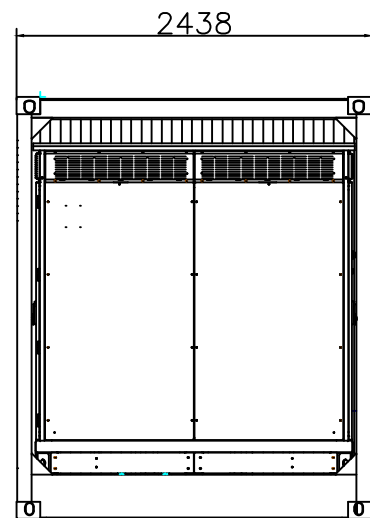




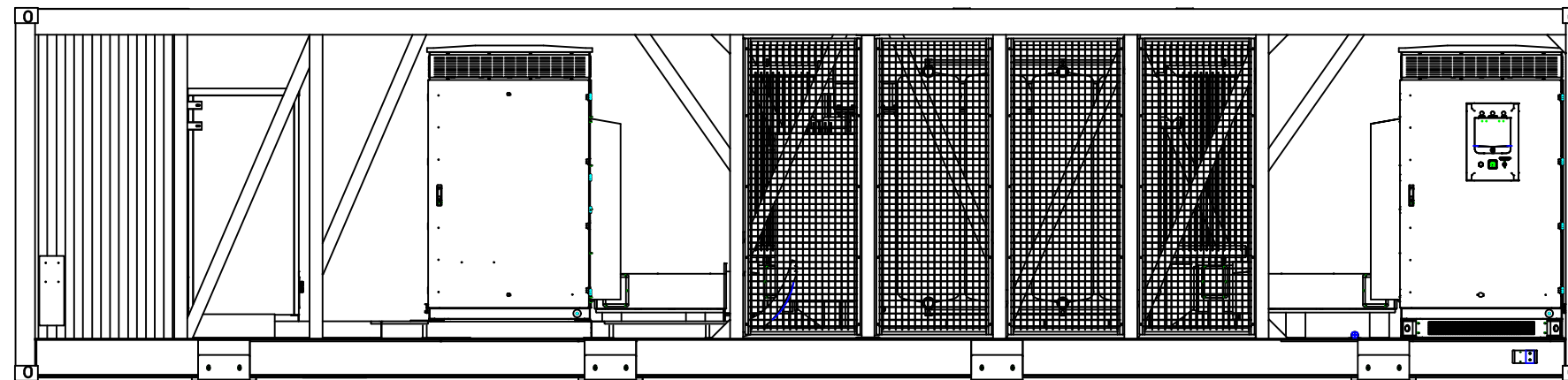
Right View



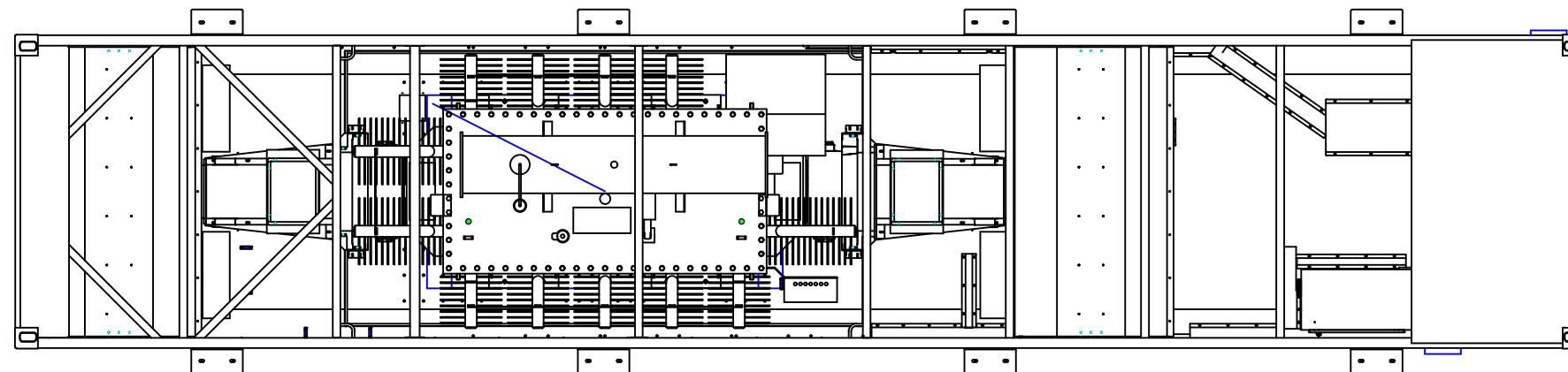
Front View



Left View



Back View



Top View

## ADVERTISED PLAN

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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:

01

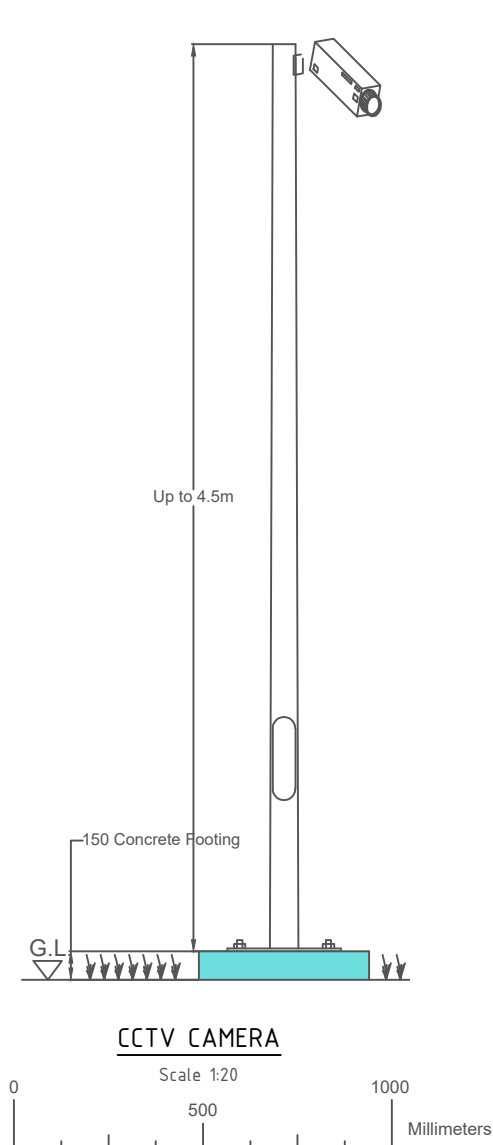
REVISION:

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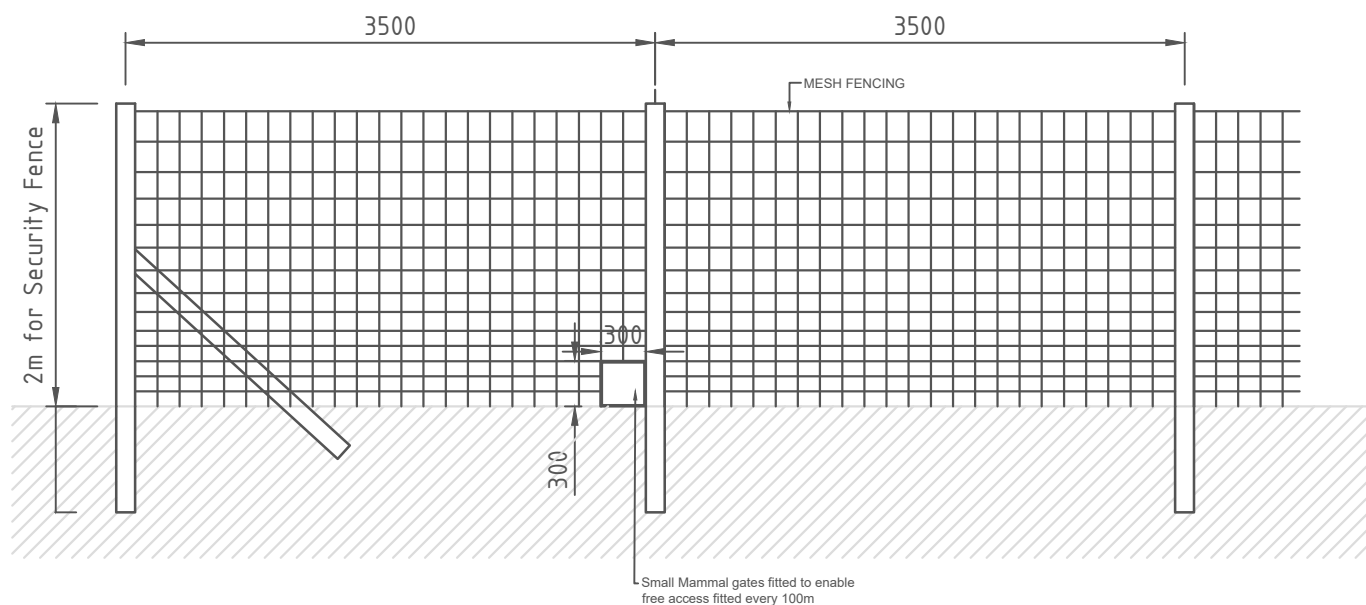
UNIT:

Millimeters



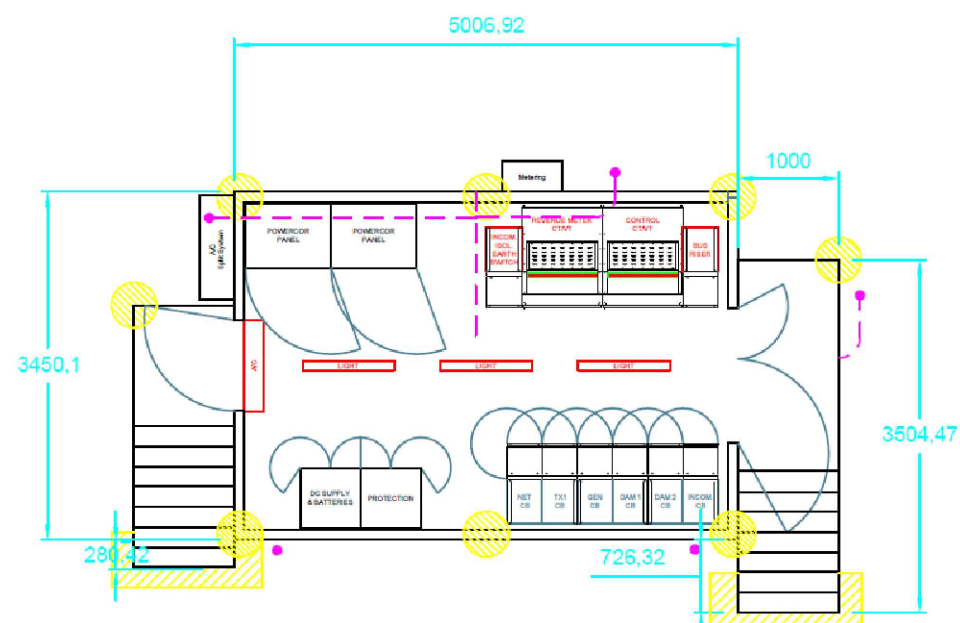


**TYPICAL SITE LIGHTING**  
Indicative motion-sensor lights on boards only.  
As per AS 4282-1997

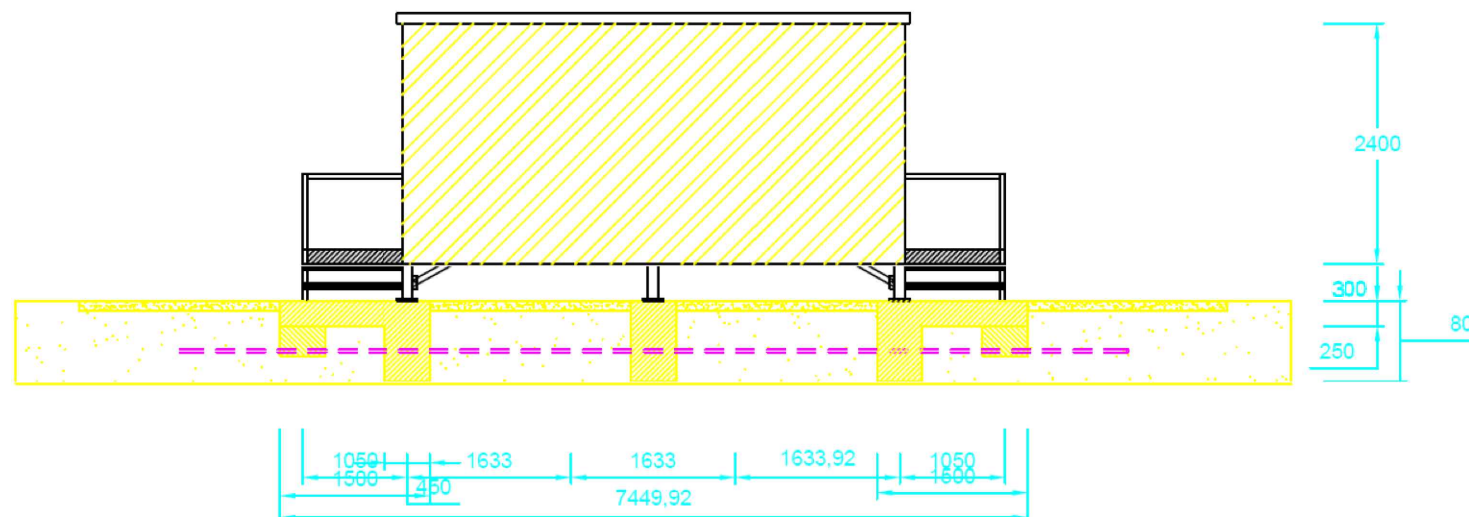


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**TYPICAL SWITCHROOM DIMENSION**



### 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  
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CONTACT NO: +353 1 791 7882  
E-MAIL : dmloney@bnrg.ie



PROJECT NO:

SCALE:  
Noted

SHEET SIZE:  
A3

DRAWING NO:  
003

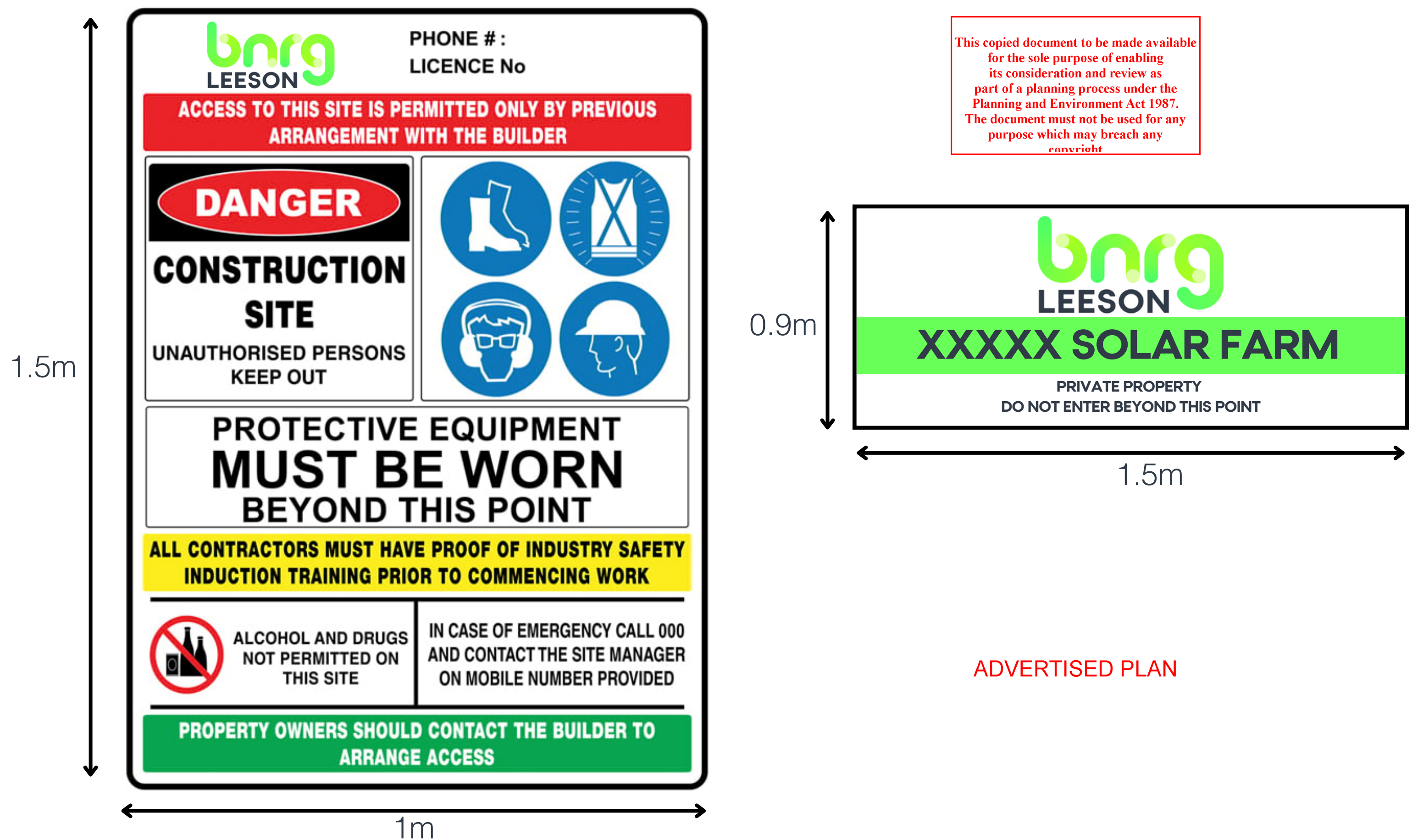
SHEET NO:  
01

REVISION:  
1.0

UNIT:  
Millimeters unless  
noted



# BNRG Leeson Solar Farm - Site Signage Dimensions



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

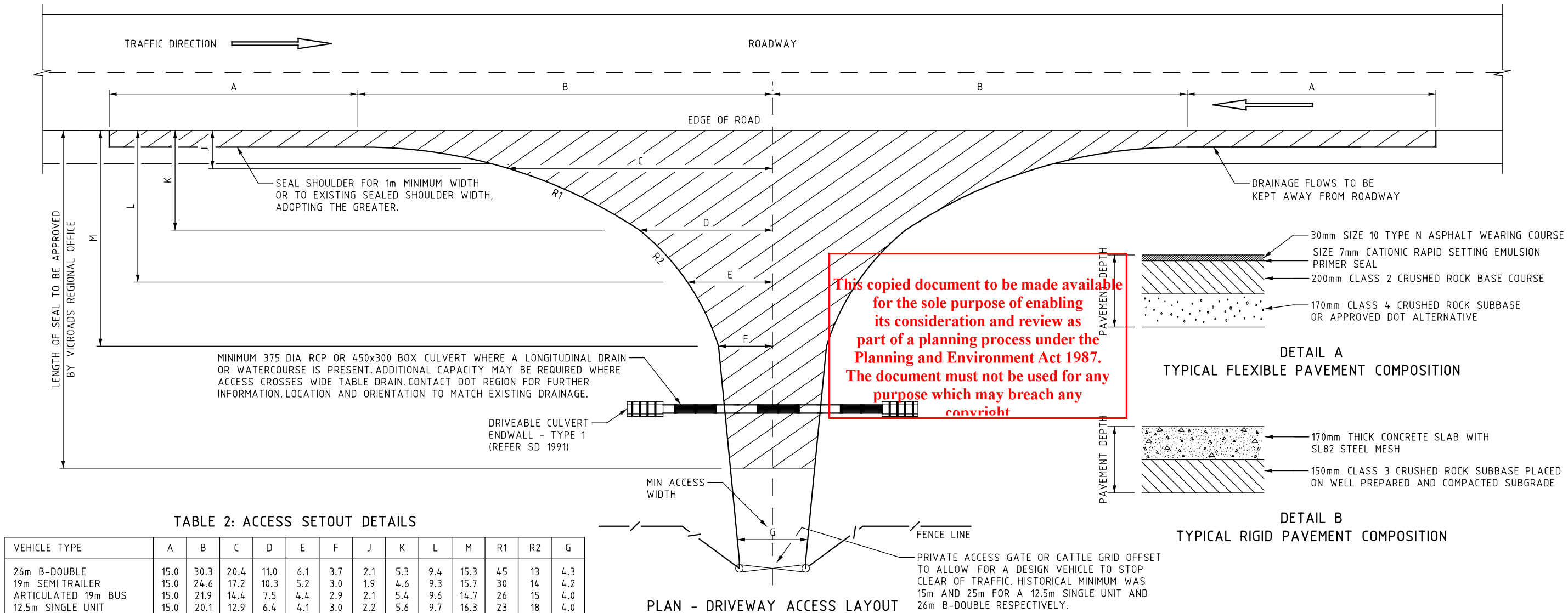


TABLE 2: ACCESS SETOUT DETAILS

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.

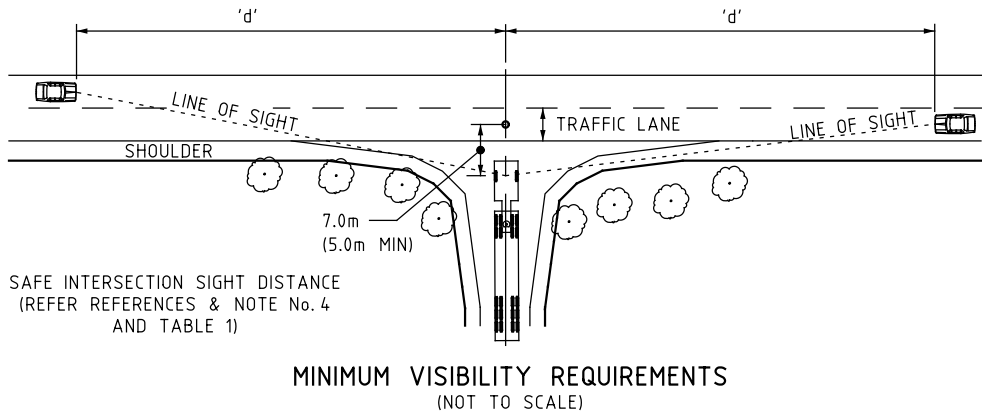


TABLE 1: SIGHT DISTANCES

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

- 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 KEYED 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.

- 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)