

CHARAM MICRO SOLAR FARM
Goroke-Harrow Road, Charam VIC
Landscape Documentation

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ADVERTISED
PLAN

DESIGN STATEMENT
The following landscape plans and associated planting schedule have been prepared to ensure the integration of the proposed Charam Solar Farm within the existing site context and landscape character.

The 15.15Ha site is well suited to the proposed solar farm. It is situated on a large, flat block with excellent solar orientation, few adjoining neighbours, extensive setbacks and a moderate level of exposure to the local roads. Because of the location of the site, it is in a low lying level of visual prominence and does not represent an unreasonable imposition on the landscape. To further assist, the existing road verge trees and vegetation provide some screening.

The approach to the landscape integration of the proposed facility is based on the project retaining existing trees within the site boundary and working around them, and the establishment of a continuous band of high quality landscape screening to the western and southern boundaries. This would comprise a mix of indigenous screen shrubs which includes a variety of hardy and fast growing species which are suited to the local soil and environmental conditions. The site is also outside of the listed cultural heritage extent which is to the northeast.

The plants will be sourced from local provenance stock. Two species mixes have been developed - one for the higher areas with more drainage capabilities, and one for the lower southern border for wetter tolerances - to provide visual interest and variety in foliage type, flowering times etc. Species have been selected with careful consideration of the habit, growth rate etc. to provide a dense screen three layers of plants are proposed within a 3m wide band. Visual presentations have been prepared to illustrate the effect of the screen planting, including project growth rates. A mix of fast growing and long lived plant species is proposed. A high level of screening should be able to be established within three years, with the facility effectively fully screened in around five years.



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B	19/8/21	For Town Planning	
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NO.	DATE	ISSUE	BY

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DRAWN BY: DW
PLOT DATE:

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CAD FILE NAME: 210818 Charam Solar Farm.lwx

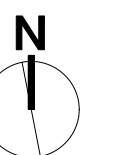
PROJECT NO: 21024
PROJECT NAME: CHARAM SOLAR FARM

PROJECT ADDRESS: GOROKE-HARROW RD, CHARAM, VIC

SCALE: 1:1500 @A1
1:3000 @A3



DRAWING NO. LA00
DRAWING NAME: Location Plan & Drawing Index



**ADVERTISED
PLAN**

- KEY
SITE**
- Existing Tree
 - Proposed Tree
 - Landscape Screen Planting
 - Title Boundary
 - Security Fence -
1.8m Chain Mesh
 - Montage Streetview Marker

**ABORIGINAL CULTURAL
HERITAGE SENSITIVITY**

**SITE PLAN
AREA 15.15HA**

Inverter
Station

Site Amenities and
Storage Area

Access
Gate

HV Switch
Board

CHARAM - WOMBELANO
ROAD

ROAD

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FOR TOWN PLANNING



View from northern most visibility of site along Goroke - Harrow Road

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View from highest point along Goroke - Harrow Road (Note: between here and photo above there is little to no visibility of site from road)



View across Goroke - Harrow Road and Charam - Wombelano Road intersection

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View from south eastern approach along Charam - Wombelano Road



View along southern boundary towards east on Charam - Wombelano Road



View from southern approach along Goroke - Harrow Road before intersection

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View from southern boundary towards north on Charam - Wombelano Road



View from western approach on top of rise along Charam - Wombelano Road



View from western approach at bottom of rise along Charam - Wombelano Road

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1 View from highest point along Goroke - Harrow Road - Northwestern corner of site



View at 3 years growth



View at 5 years growth

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TH	21024 Charam Solar Farm.lwx

PROJECT NO.

21024

PROJECT NAME

CHARAM SOLAR FARM

PROJECT ADDRESS

GOROKE-HARROW RD, CHARAM,
VIC

SCALE

1:N/A @A1
1:N/A @A3

NORTH

DRAWING NO.

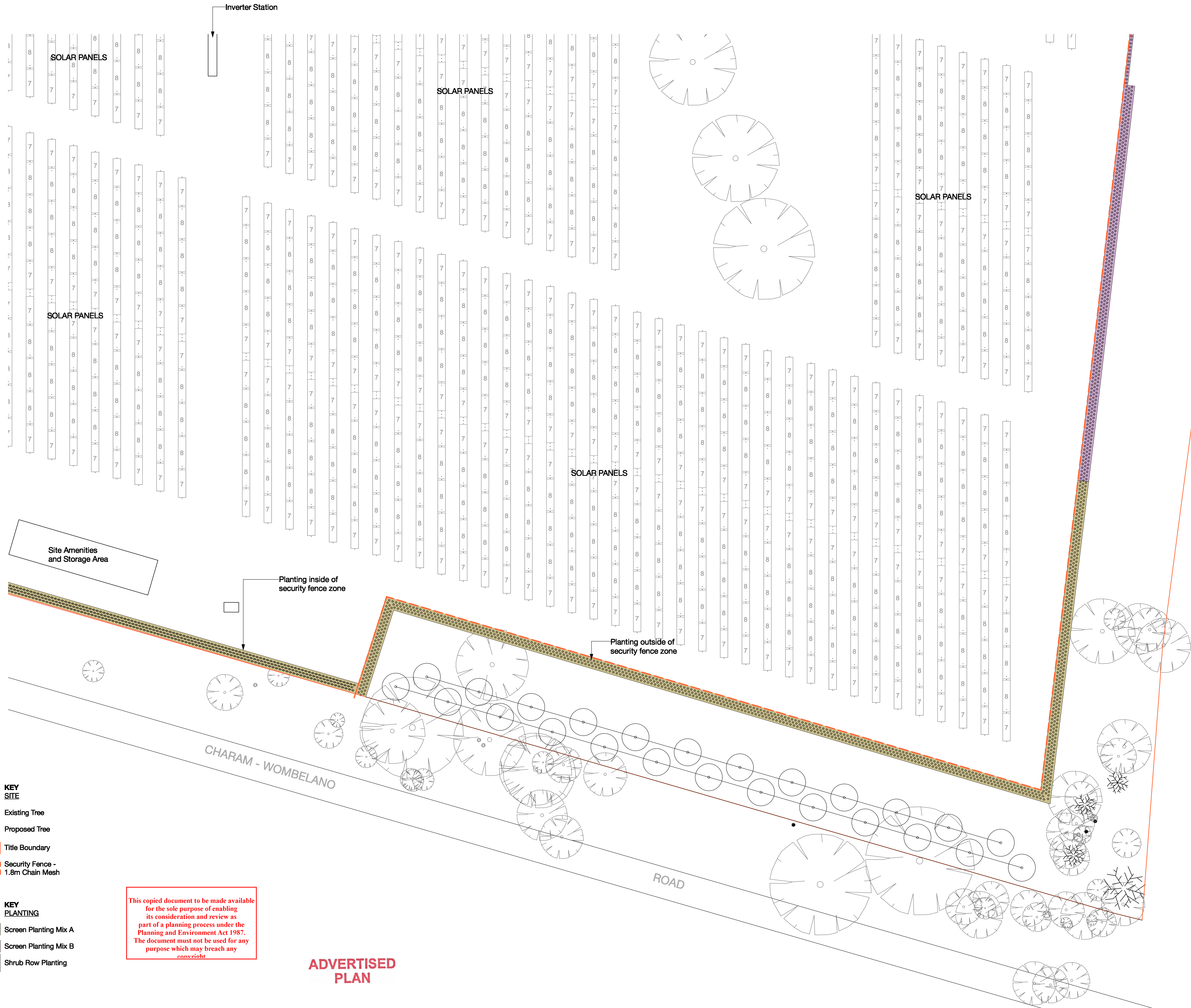
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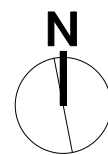
DRAWING NAME

Site Montage View 1 - North



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KEY

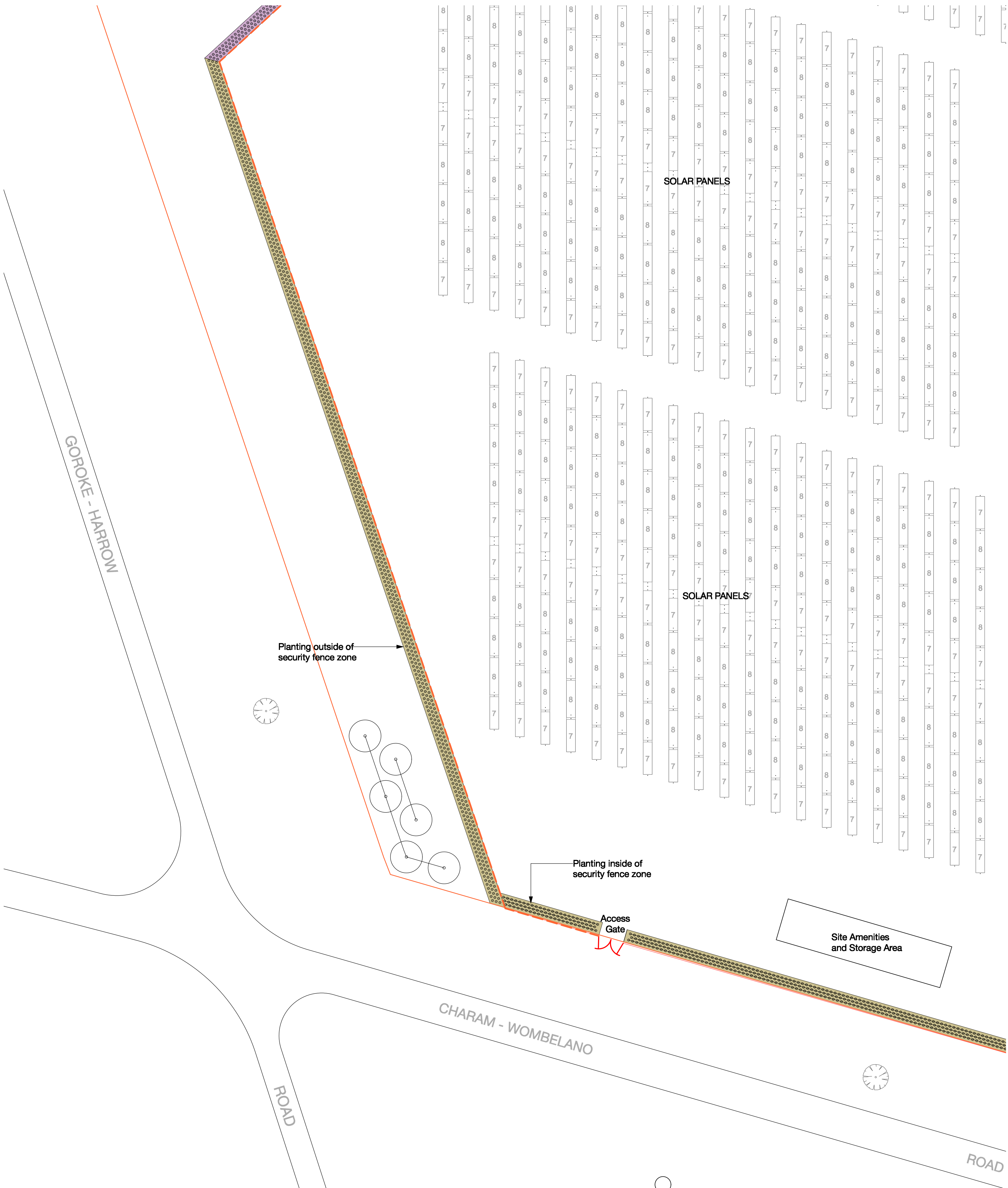
SITE

-  Existing Tree
-  Proposed Tree
-  Title Boundary
-  Security Fence - 1.8m Chain Mesh

KEY

PLANTING

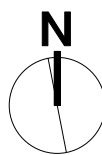
-  Screen Planting Mix A
-  Screen Planting Mix B
-  Shrub Row Planting



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ABORIGINAL CULTURAL HERITAGE SENSITIVITY




ADVERTISED
PLAN




SOLAR PANELS

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SOLAR PANELS

SOLAR PANELS

- KEY
SITE
-  Existing Tree
 -  Title Boundary
 -  Security Fence -
1.8m Chain Mesh

- KEY
PLANTING
-  Screen Planting Mix A
 -  Screen Planting Mix B
 -  Shrub Row Planting

FOR TOWN PLANNING

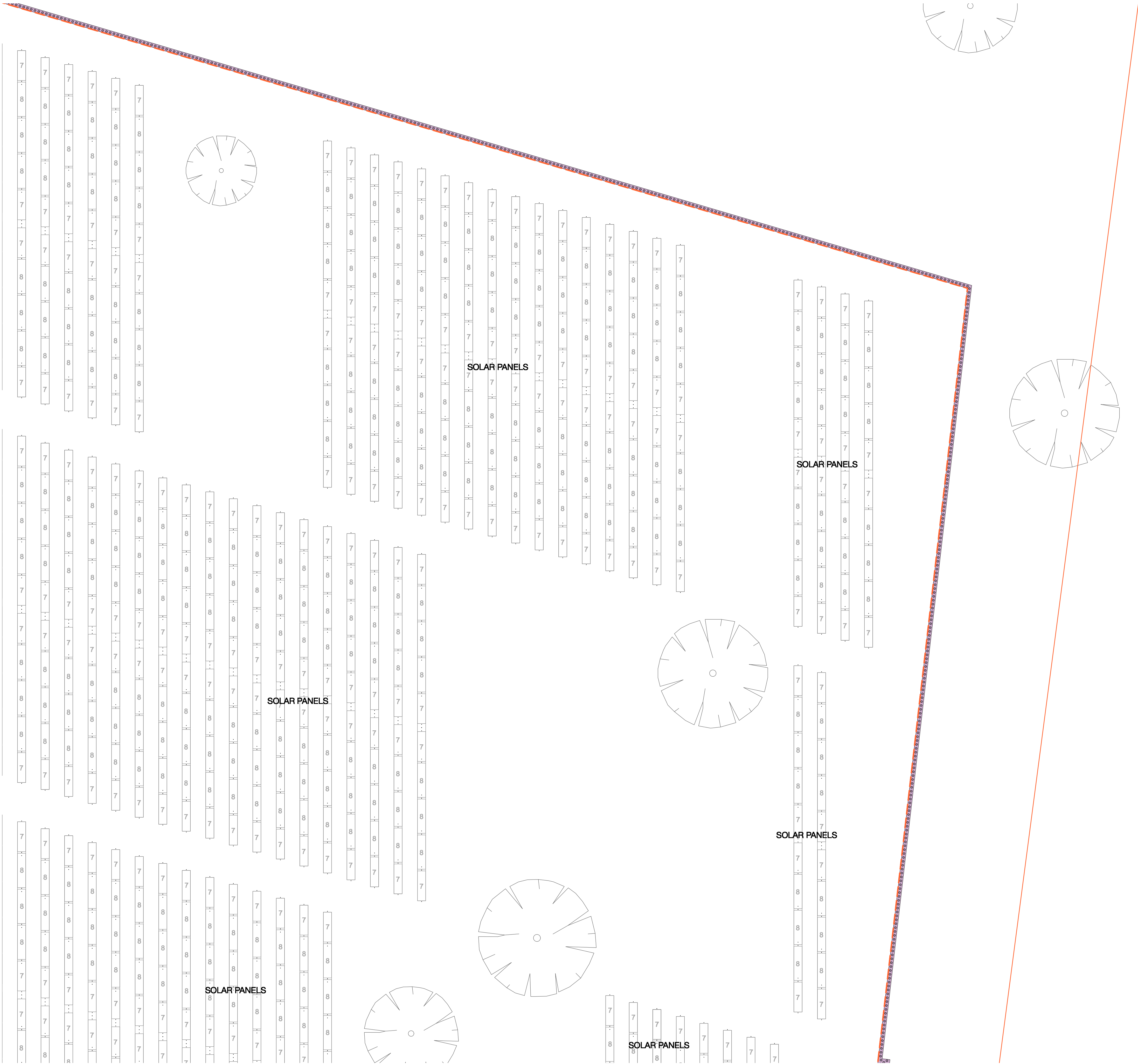
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ADVERTISED PLAN

- KEY SITE

 - Existing Tree
 - Title Boundary
 - Security Fence - 1.8m Chain Mesh
- KEY PLANTING

 - Screen Planting Mix A
 - Screen Planting Mix B
 - Shrub Row Planting



PLANT SCHEDULE

Code	Botanical Name	Common Name	Plant Mix	Supply	Approx Mature	Density	Quantity /	Notes
	Trees							
Euc leu	<i>Eucalyptus leucoxylon</i>	Yellow Gum	Tree Mix	45L	10-20 x 6-20m	Refer Plan	8	Dry
All lue	<i>Allocasuarina luehmannii</i>	Buloke	Tree Mix	45L	5-15 x 5-10m	Refer Plan	8	Dry/Wet
Euc mic	<i>Eucalyptus microcarpa</i>	Grey Box	Tree Mix	45L	10-25m x 10x15m	Refer Plan	8	Dry/Wet
Euc mel	<i>Eucalyptus melliodora</i>	Yellow Box	Tree Mix	45L	10-30 x 8-25m	Refer Plan	8	Dry
	Screen Shrub Planting							
Aca aci	<i>Acacia acinacea</i>	Gold-dust Wattle	Mix B	tube	3 x 3m	1/m2	207	Dry
Aca pyc	<i>Acacia pycnantha</i>	Golden Wattle	Mix B	tube	3-10 x 2-5m	1/m2	207	Dry
Aca par	<i>Acacia paradoxa</i>	Hedge Wattle	Mix A	tube	2-4 x 2-5m	1/m2	336	Dry/Wet
	Low Shrub Planting							
Aca spi	<i>Acacia spinescens</i>	Spiny Wattle	Mix B	tube	1 x 1m	2/m2	207	Dry/Wet
Cal tet	<i>Calytrix tetragona</i>	Fringe-Myrtle	Mix A	tube	2 x 2m	2/m2	336	Dry/Wet
Dil ser	<i>Dillwynia sericea</i>	Showy Parrot-pea	Mix A	tube	1.3 x 1.5m	2/m2	336	Dry/Wet
Eut mic	<i>Eutaxia microphylla</i> var. <i>microphylla</i>	Common Eutaxia	Mix A	tube	0.5 x 1m	2/m2	336	Dry/Wet
Ast hum	<i>Astroloma humifusum</i>	Cranberry Heath	Mix B	tube	0.5 x 0.5-1.5m	2/m2	207	Dry
Mai enc	<i>Maireana enchylaenoides</i>	Wingless Bluebush	Mix B	tube	0.2 x 0.6m	2/m2	207	Dry
	Groundcovers & Turfing Plants							
Cal cit	<i>Calocephalus citreus</i>	Lemon Beauty-heads	Mix A	tube	0.5 x 1m	3/m2	336	Wet
Goo pin	<i>Goodenia pinnatifida</i>	Cut-leaf Goodenia	Mix B	tube	0.5 x 0.6m	3/m2	207	Dry
Aus mol	<i>Austrostipa mollis</i>	Supple Spear-grass	Mix A	tube	0.6-1.5m H	3/m2	336	Dry/Wet
Ryt set	<i>Rytidosperma setaceum</i> var. <i>setaceum</i> (<i>Austrodanthonia setacea</i>)	Bristly Wallaby-grass	Mix B	tube	0.7 x 0.4m	3/m2		Dry
Dia rev	<i>Dianella revoluta</i>	Black-anther Flax-lily	Mix B	tube	0.8 x 1.5m	3/m2	207	Dry
						Total	3497	

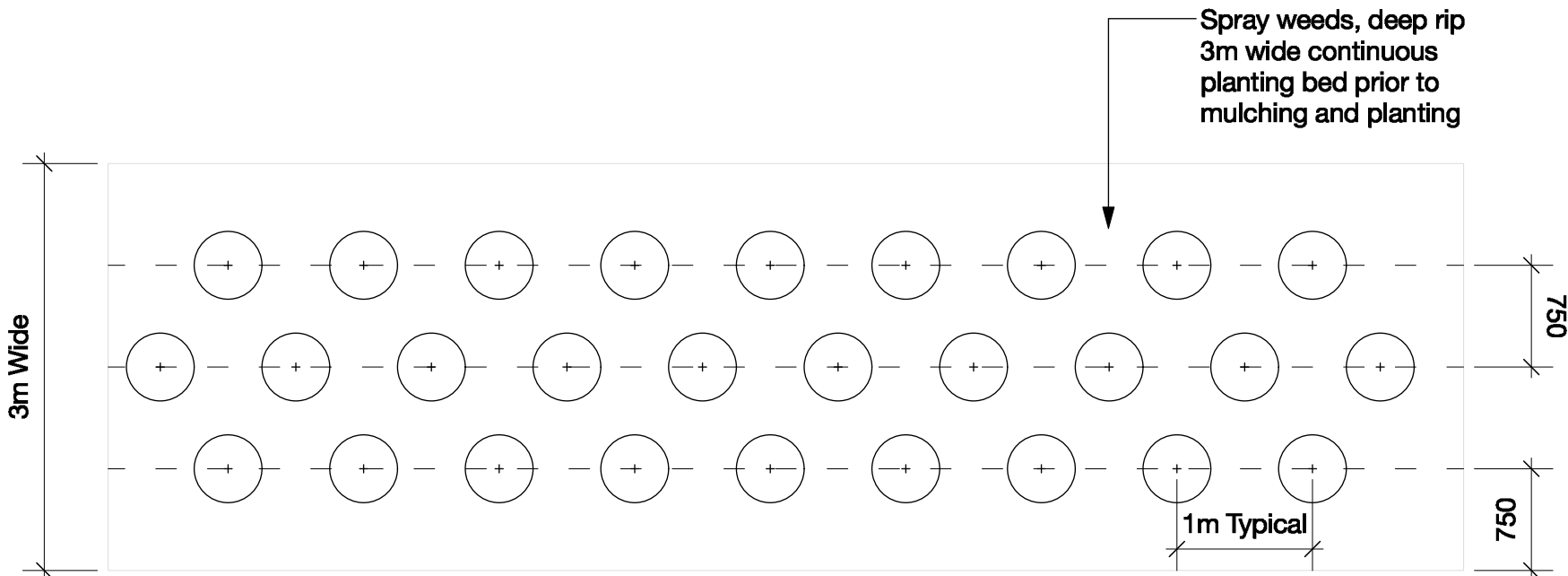
* Note:

All selected planting is indigenous and should be grown from local provenance stock and supplied by an approved nursery.

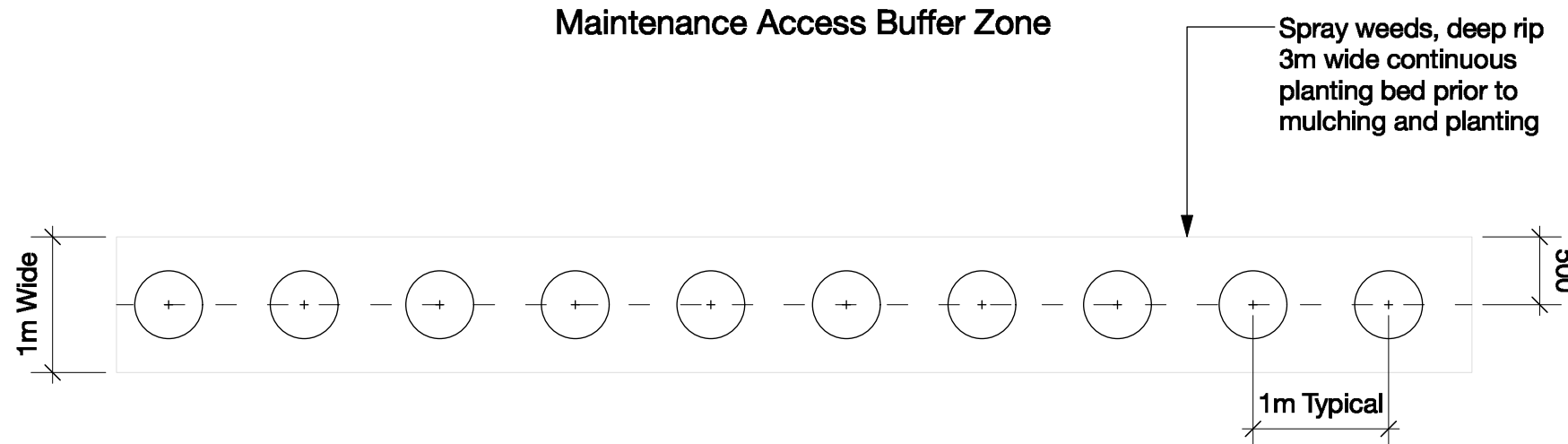
ADVERTISED PLAN

Tree Protection Notes

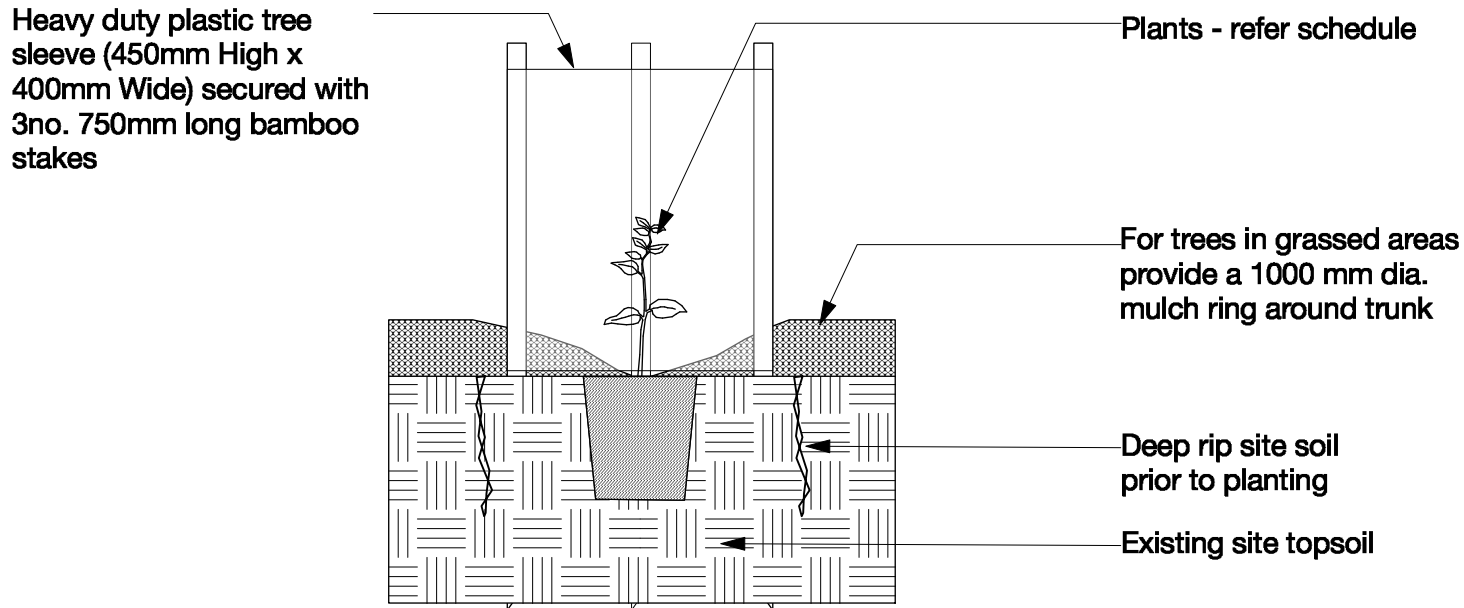
1. All works within the vicinity of existing trees on the Works site, including works outside of the drip line, must comply in full with AS4970 -2009 Protection of trees on development sites', and the provisions below.
2. Where a discrepancy between Provisions arises, Contractors are required to comply in full with the Australian Standard. Any variations to the provisions below or the Standard drawings must be expressly approved by the Superintendent, prior to commencement of any adjustments being undertaken on site.
3. Prior to commencing works on site, including preliminary service location, trenching, and site or vegetation clearance; the Contractor shall assess and identify trees that must be protected during the course of the proposed works.
4. Tree protection fencing can only be displaced or removed within the project site, with the express permission of the Superintendent.
5. Unless otherwise specified or approved by the Superintendent, no trenching, boring, excavation or other ground disturbances associated with utilities or other in-ground services is to be carried out within the Tree Protection Zone as specified in AS4970 -2009 'Protection of trees on development sites'.
6. The Contractor must not remove, lop or cut back any trees for storage or access or any other activities associated with the contracted services on site, unless prior approval in writing has been obtained by the Superintendent.
7. No persons, vehicles, or machinery shall enter the Tree Protection Zone without the permission of the Superintendent. The Contractor must ensure that the Tree Protection Zone is maintained. Equipment, machinery, vehicles, chemicals, fill, building materials, temporary construction or signage, and other similar items are not permitted within the Tree Protection Zone.
8. Nothing whatsoever shall be attached to any tree, including temporary services wires, nails, screws or any other fixing device.



2 Garden Bed Layout and Spacing
Scale: 1:50



3 Rear Garden Bed Layout and Spacing
Scale: 1:50



1 Tubestock Planting Detail
Scale: 1:10

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WORKS ADDRESS
GOROKE-HARROW RD, CHARAM, VIC

SCALE
As Per @A1
As Per @A3

NORTH

DRAWING NO. **LA10** REV #
DRAWING NAME
Planting Details & Schedule

FOR TOWN PLANNING