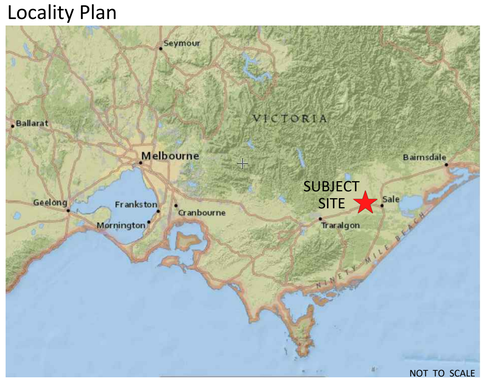
Locality Plan



Site Overview

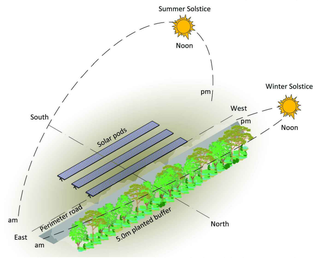
Lot 2 LP204862 (Hopkins Road) in Fulham measures approximately 160 hectares in size and is located 210 kilometres east of Melbourne and 10 kilometres west of Sale. The site is bordered by Fulham Correctional Centre and farming land to the north, McLarens Road to the south, Hopkins Road to the east and farming land to the west. The site wraps around 379 McLarens Road. Gently undulating and zoned Farming, the site has historically been used for agricultural and farming purposes. The land was extensively cleared in the past with only scattered planted trees remaining around a dilapidated dwelling adjacent to Hopkins Road. An exotic windbreak is located on the northern section of the western boundary. There are no roadside plantings on McLarens Road or Hopkins Road.

The Proposal

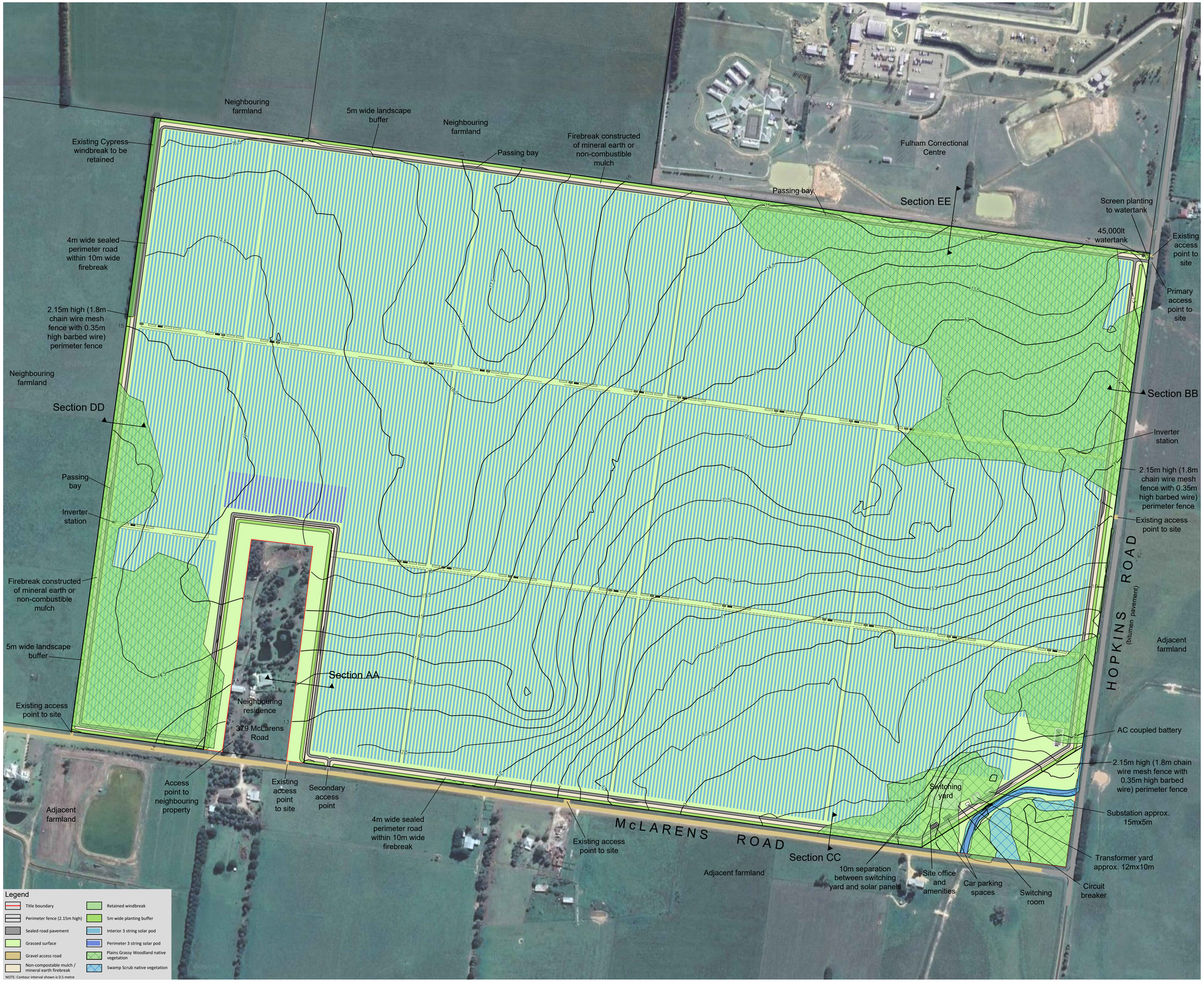
A solar energy facility is proposed for most of the site with the existing drain in the south east corner of the site retained. An internal sealed perimeter road accessed from Hopkins Road surrounds the solar tables with secondary emergency gravel access provided from McLarens Road, adjacent to the eastern boundary of 379 McLarens Road. A 5-metre-wide buffer planting zone occurs between the perimeter road and the boundaries of the site. The exotic windbreak is proposed to be retained. The scattered planted trees surrounding the existing dwelling will be removed. An infrastructure and service area is sited south of the entry to the site on Hopkins Road. A switching yard, converter stations, inverter stations and inverter station batteries, a transformer yard and car parking are included in the infrastructure and service area.

Landscape Response

A generally open eucalypt woodland to 15m tall with few sparse shrubs and a species-rich grassy and herbaceous layer would have occurred across most of the land prior to European settlement and land clearing. The proposed facility includes a 5-metre-wide planting buffer to the perimeter of the operations composed of species from the Plains Grassy Woodland Ecological Vegetation Class (Gippsland Plain Bioregion). The species have been selected to provide screening to the proposed facility and reduce the heat island effect while not impacting on the operation of the solar panels. The lower south eastern corner of the site contains the open drain. The open drain will be retained and is not in the vicinity of the proposed works.



Indicative solar aspect and the relationship between the height of the 5m wide buffer



Legend

- Title boundary
- Perimeter fence (2.15m high)
- Sealed road pavement
- Grassed surface
- Gravel access road
- Non-compostable mulch / mineral earth firebreak
- Retained windbreak
- 5m wide planting buffer
- Interior 3 string solar pod
- Perimeter 3 string solar pod
- Plains Grassy Woodland native vegetation
- Swamp Scrub native vegetation

NOTE: Contour interval shown is 0.5 metre

davidson design studio

Landscape Architecture and Urban Design
PO Box 7071 Beaumaris VIC 3193
0438 845 008
0438 048 740

www.davidsondesignstudio.com.au
office@davidsondesignstudio.com.au

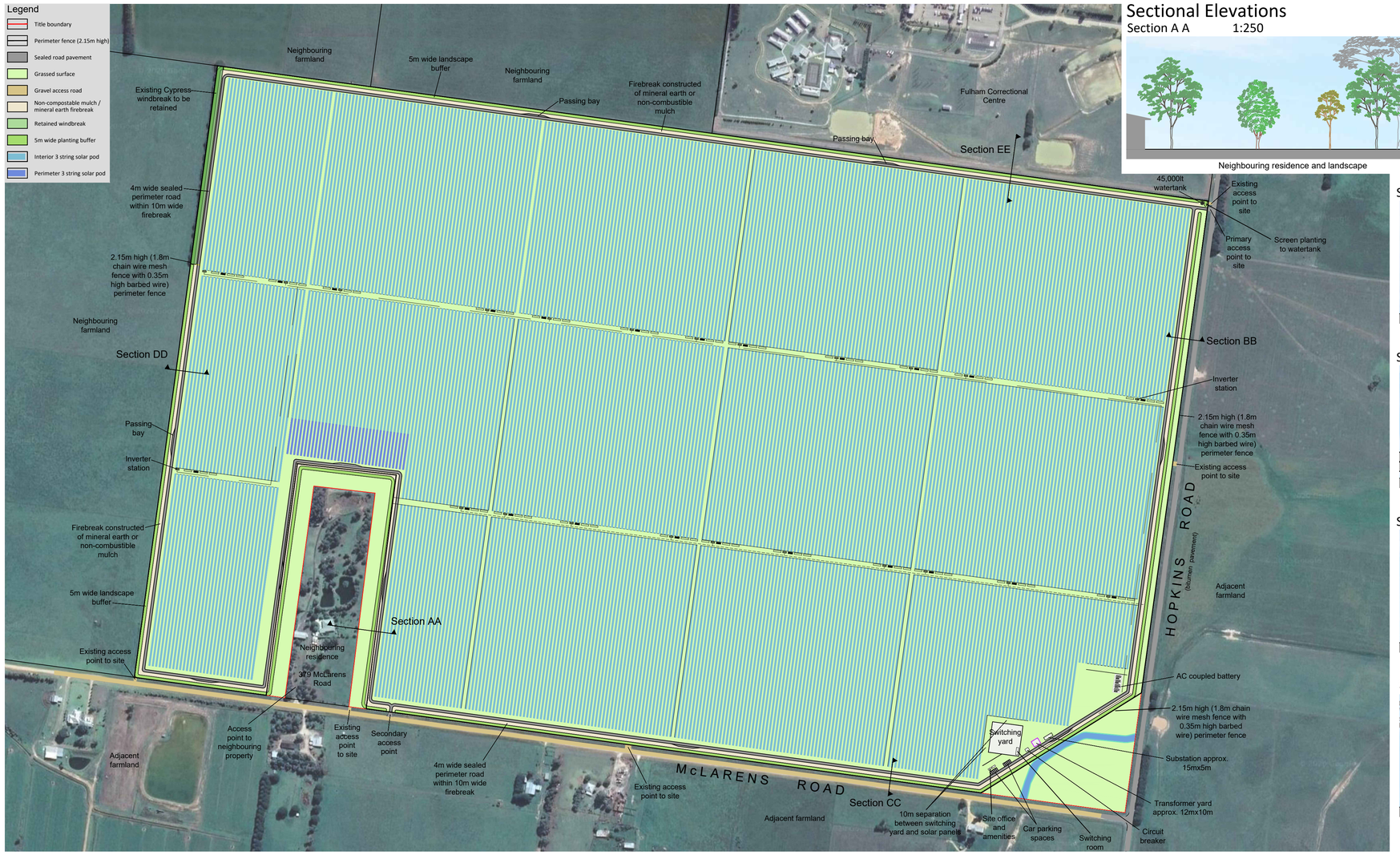
REVISION	DATE	DESCRIPTION	BY
-	30.04.2021	Draft plan for review	AJD
-	06.09.2021	Landscape Plan finalised	AJD
A	27.09.2021	Amendment to plant palette	AJD

DRAWN: AJD/JDD
SCALE: 1:3000
PAPER SIZE: A1
REFERENCE: 200802
DATE: 27.09.2021
REVISION: A SHEET: 1 of 2

0 20 40 60 80 100 120 metres
Scale 1:3000 @ A1

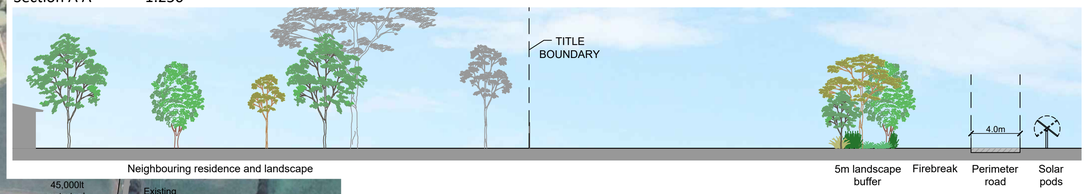
CLIENT: Ricardo Energy, Environment & Planning
ADDRESS: Hopkins Road, Fulham (Lot 2 LP204862)
MUNICIPALITY: Wellington Shire Council

Landscape Plan

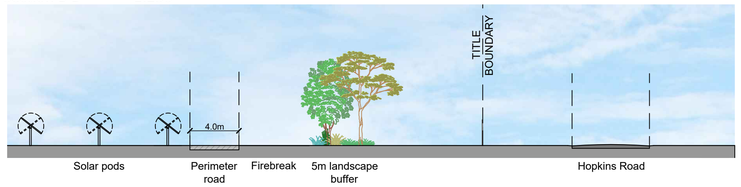


Sectional Elevations

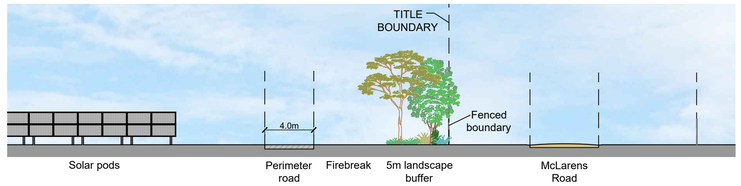
Section A A 1:250



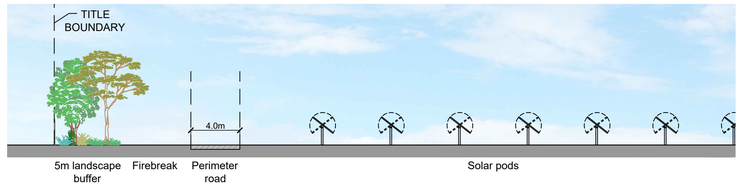
Section B B 1:250



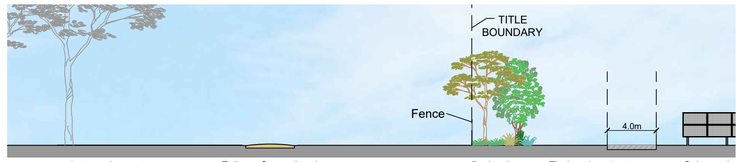
Section C C 1:250



Section D D 1:250



Section E E 1:250

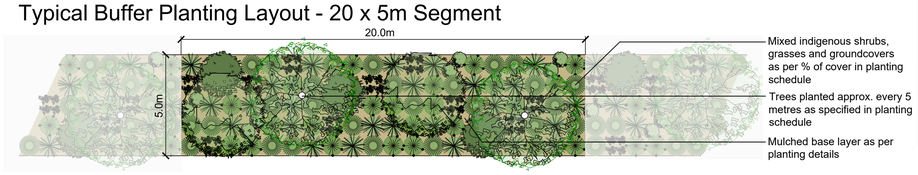


Planting Schedule

GIPPSLAND PLAIN BIOREGION
SPECIES FROM PLAINS GRASSY WOODLAND (EVC 55), PLAINS GRASSY WETLAND (EVC 125) & SWAMP SCRUB (EVC 53)
BUFFER ZONE AREA: 29,226m²

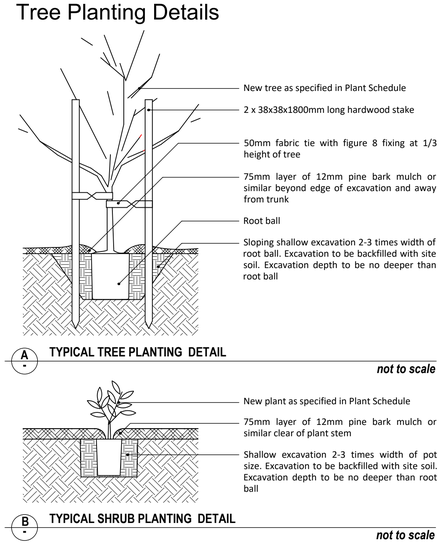
CODE	BOTANIC NAME	COMMON NAME	SIZE (MATURITY)	RECOMMEND POT SIZE	% COVER	PLANTING DENSITY	QUANTITY
TREES					**N/A**		
	Allocasuarina littoralis	Black Sheoak	5-8 x 4	150mm	50%	n/a	548
	Eucalyptus kitsoniana	Gippsland Mallee	5-8 x 5	150mm	50%	n/a	548
SHRUBS					**15% (4,383m²)**		
	Kunzea ericoides	Burgan	2-5 x 2-4	Tubestock	25%	0.25 per 1m²	274
	Leptospermum lanigerum	Silky Tea-tree	3 x 2	Tubestock	75%	0.25 per 1m²	822
GRASSES					**75% (21,921m²)**		
	Lomandra filiformis	Wattle Mat-rush	1 x 1	Tubestock	33%	1 per 1m²	7,307
	Poa labillardieri	Common Tussock-grass	1 x 1	Tubestock	33%	1 per 1m²	7,307
	Themeda triandra	Kangaroo Grass	1 x 1	Tubestock	33%	1 per 1m²	7,307
GROUNDCOVERS					**10% (2,922m²)**		
	Dichondra repens	Kidney Weed	prostrate	Tubestock	50%	4 per 1m²	5,844
	Microlaena stipoides var. stipoides	Weeping Grass	0.1 x prostrate	Tubestock	50%	4 per 1m²	5,844

Typical Buffer Planting Layout - 20 x 5m Segment



Planting Palette

Tree Planting Details



Preparation, Planting and Establishment Notes

1. All underground services to be verified by Contractor prior to commencement of work.
2. All setout and levels must be checked and approved on site by the superintendent prior to construction.
3. Any discrepancies must be reported immediately to the superintendent or landscape architect.
4. Figured dimensions have preference over scaled dimensions. Drawings are to be read in conjunction with applicable project specifications and engineering documents.
5. All construction to be in accordance with all relevant Australian Standards, including all revisions, council requirements and industry standards for methods and quality of construction.
6. Weeds are to be removed from site prior to construction. Herbicide to be used sparingly. If required, use a non-residual glyphosate herbicide in any registered formulae, at the recommended maximum rate.
7. Site to be graded towards garden beds, lawn or gravel areas. Adjust grading accordingly to accommodate localised collection of ground water.
8. Soil pH is to be tested and should be slightly acidic to neutral (pH - 5.5 to 7.0). If outside of this range contact local nursery to obtain advice on improving the pH level and individual plant tolerance of specific site pH level.
9. Clay soils should be checked for responsiveness to gypsum which can allow plant roots to penetrate the soil. If required, add gypsum according to manufacturer's specifications.
10. Cultivation of existing soil to be minimal. Improve existing soil with organic material such as well rotted manures, soil improvers or compost prepared to AS.4454-2003. Top dress existing soil with organic material and cover with mulch. If importing of topsoil is required, then soil must comply with AS.4419-2003.
11. Confirm plant quantities in Planting Schedule. Any discrepancies between Planting Schedule and plan are to be reported to the Landscape Architect before proceeding. Plants are to have well developed root system and be free of pest and disease.
12. Unless otherwise indicated, 12mm uncoloured Pine Bark mulch (or approved equivalent) is to be applied to all garden beds at a depth of 75mm.
13. Fertilise plants according to individual species requirements. Apply Seasol upon initial planting to target roots and promote healthy, balanced growth. Apply liquid Phostogen every three months.
14. Each planted tree is to be staked for 1 to 2 years, as per planting detail, with 38x38x1800 hard wood stakes. Fasten with 50mm fabric ties.
15. All shrubs are to be evenly spaced and located as per drawings.
16. Re-grade proposed lawn areas to provide smooth contours. Rake to remove soil clods and rubble.
17. Seeded lawn to be non-invasive grass species such as: Queensland Blue-Grass (Dicantheum sericeum), Red-leg Grass (Bothriocholoa macra) or Weeping Grass (Microlaena stipoides)
18. Follow-up maintenance should be undertaken every 4-6 weeks for 2 years following establishment. Dead or diseased plants should be replaced. Monitor for weed species and remove as required. Eradicate any pest animals or insects. Water plants according to individual species' moisture needs, seasonal conditions and as advised by Local Water Authority. Monitor and prune plants and trees to as required, according to AS 4373 (Pruning of Amenity Trees). Replenish mulch annually in Spring.

davidson design studio
Landscape Architecture and Urban Design
PO Box 7071 Beaumaris VIC 3193
0438 845 008
0438 048 740
www.davidsondesignstudio.com.au
office@davidsondesignstudio.com.au

REVISION	DATE	DESCRIPTION	BY
-	29.01.2021	Draft plan for review	AJD
-	06.09.2021	Landscape Plan finalised	AJD
A	27.09.2021	Amendment to plant palette	AJD

DRAWN: AJD/JDD
SCALE: 1:4000
PAPER SIZE: A1
REFERENCE: 200802
DATE: 27.09.2021
REVISION: A SHEET: 2 of 2

0 50 100 150 200 250 metres
Scale 1:4000 @ A1

CLIENT: Ricardo Energy, Environment & Planning
ADDRESS: Hopkins Road, Fulham (Lot 2 LP204862)
MUNICIPALITY: Wellington Shire Council

Landscape Plan