

 Native vegetation buffer to screen orchard houses on Wakarara Road from solar farm

buffer to buses on om solar

Views to Solar Farm

Views to Solar Farm

Deer fence to all property boundaries

Detailed Area 2 - Educational signage and designated viewing area

Existing mature trees to be retained and protected.

Vehicle pull over / parking area.

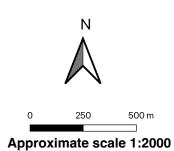
Details to be confirmed.

Designated viewing area set amongst new and existing vegetation.

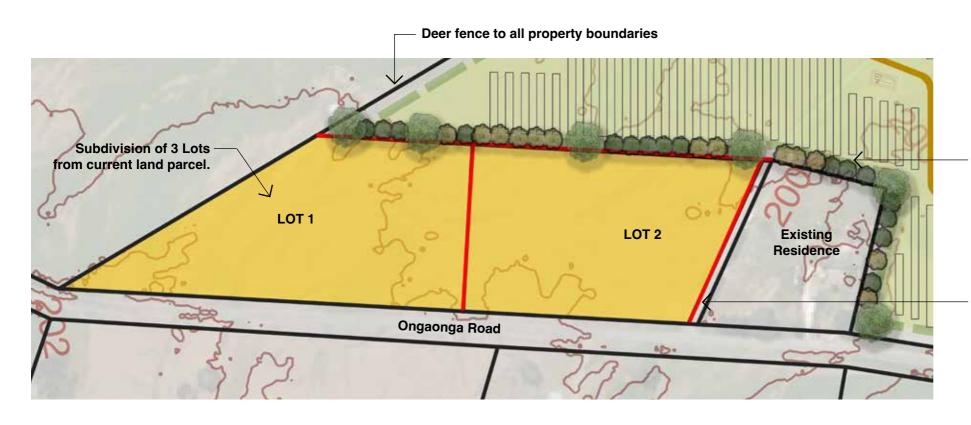
Information and educational signage installed to provide the user specific information regarding the Ongaonga Solar Farm.

Information also to be provided on the renewable energy industries more generally.

The extent of any structures is to be confirmed.



Detailed Area 1 - Wakarara Road



Tree and shrub buffer planting to screen existing residence and proposed 3 Lot Subdivision

5m wide farm access

Detailed Area 3 - 3 Lot subdivision

Existing Oak trees along Ongaonga Road to be retained and protected.

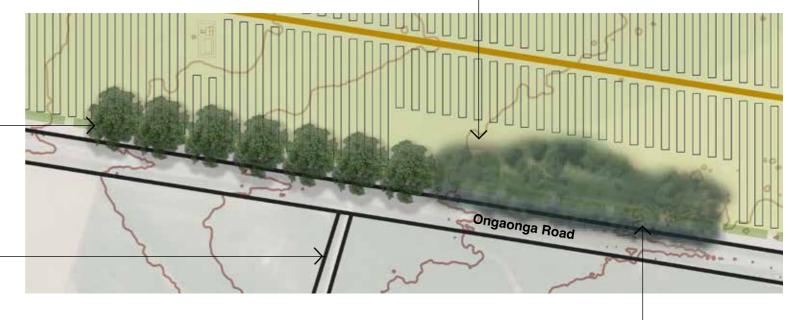
Conifer species to be removed by arborist

Additional understorey planting installed for effective screening / buffering of the site

New Oak tree buffer to extend and complement the adjacent existing Oak tree grove.

Additional understorey planting installed for effective screening / buffering of the site from existing residence on Southern side of Ongaonga Road Extent of Solar Panel layout also to be confirmed

Driveway to existing residence on Southern side of Ongaonga Road

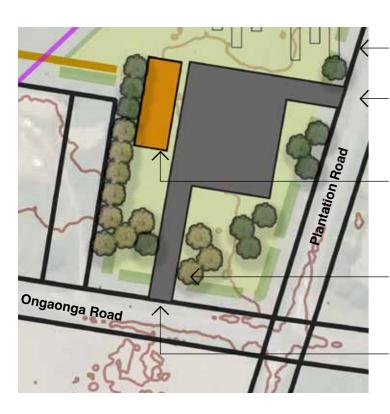


Detailed Area 4 - New and existing Oak trees

Deer fence to all property boundaries



Approximate scale 1:2500



Detailed Area 5 - Transportable field office, car park and staging areas.

Deer fence to all property boundaries

Proposed temporary entry/exit from Plantation Road minimum 68m from intersection with Ongaonga Road.

Entry/exit to be a temporary metal crossing until the main bulk of construction work is completed and will be concreted to 6m in width once the field office is nearing completion.

Indicative transportable field office, car park and staging areas.

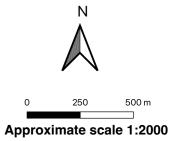
Buffer planting to screen transportable field office from road

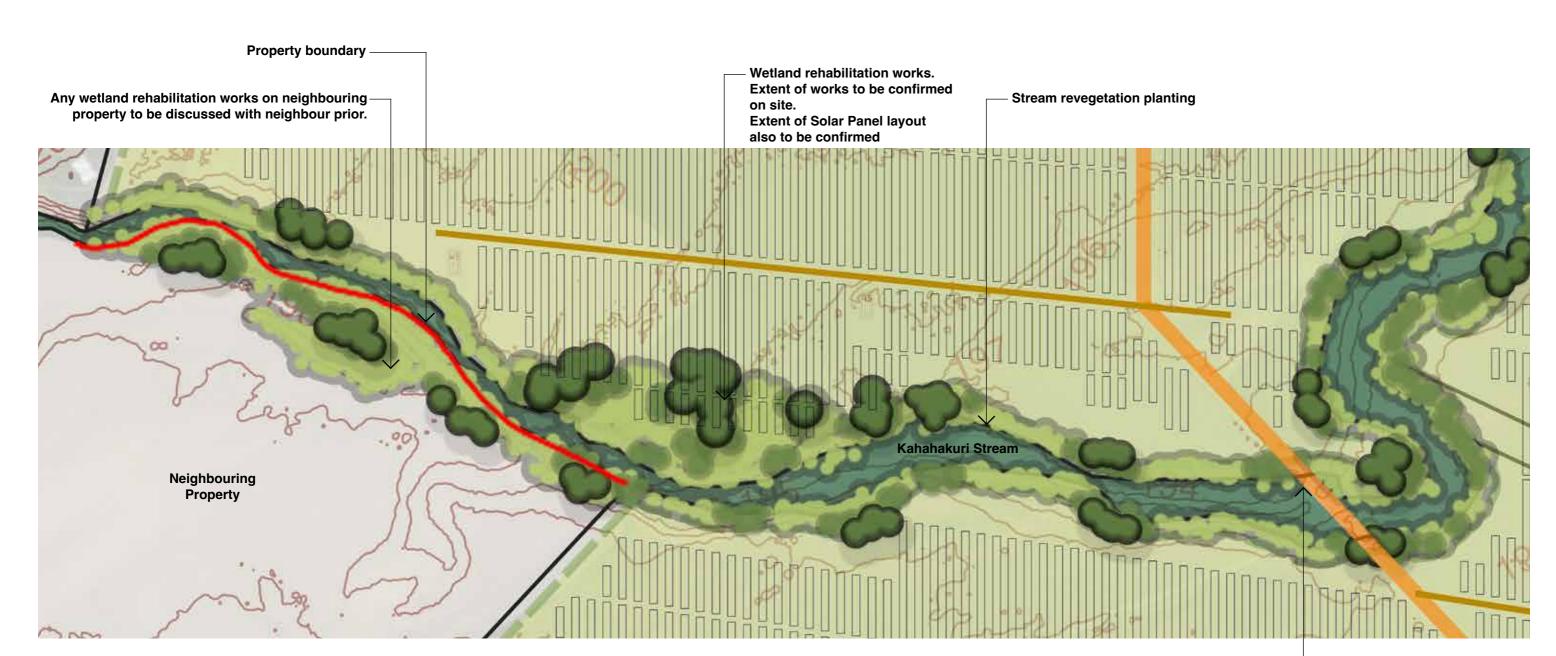
Proposed permanent entry/exit from **Ongaonga Road** Transportable field office, car park and staging area.





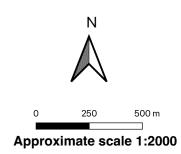
Example images showing the size and scale of the proposed transportable field office.





Detailed Area 6 - Kahahakuri Stream Revegetation and Wetland Rehabilitation

Existing gravel road through site leads to culvert over Kahahakuri Stream.
Culvert to be retained.



TrinaTracker Solar Panels

Reflective Ground Surfaces



TrinaTrackerDUOMAX Twin Bifacial Modules

Examples in the landscape







Grazing Option



Grazing benefitsBaby Doll breed of sheep to graze under infrastructure
Reduced mowing maintenance
Productive secondary use of land.



ConsiderationsManagement of leasing arrangements
Irrigation and seasonality

Examples in the landscape



"Sheep are commonly are being used for grazing for vegetation control at solar facilities in the United States and Europe as sheep do not climb on or harm the modules. Raising the PV modules in height is not necessary to accommodate grazing as vegetation is accessible beneath the modules at standard heights. Cattle grazing is generally not compatible with PV facilities due to the risk of damage to modules. Sheep grazing to control vegetation growth can benefit local shepherds, solar operators, and the land due to a reduction in mowing, herbicide, and other vegetation management needs". https://www.energy.gov/eere/solar/farmers-guide-going-solar



OpportunitiesNative planting / Pollinator Habitat Species Apiculture (bee keeping) around the site.

Overall Site Works







Wetland rehabilitation



FencingDeer fence with barbed top wire and electric fencing on inside







Interpretive information signage and designated viewing area
Potential viewing site near the corner of Wakarara and Plantation Roads

Specimen Tree Planting



Oak tree species

Tree Buffer Planting











Pigeonwood



















Kahahakuri Stream Revegetation Planting



Knotted club-rush









