

DISTRICT CONSENT CONDITIONS

General

1. The proposal shall proceed in general accordance with the information submitted with the application on **XXth of September 2024**, except where another condition of this consent must be complied with.
2. The Consent Holder shall ensure that all contractors engaged to undertake activities authorised by this resource consent are made aware at all times of the conditions and management plans that apply to this resource consent that are relevant to their work area and the measures required for compliance with the conditions.

Management Plan Certification

3. The Consent Holder shall prepare the following management plans for certification by the Council (compliance@selwyn.govt.nz) or by their nominated appointee.
 - (a) Construction Noise Management Plan (CNMP); and
 - (b) Construction Traffic Management Plan (CTMP)
 - (c) Landscaping Management Plan (LMP)
 - (d) Native Fish Management Plan (NFMP)
4. The certification process shall be limited to confirming in writing that the Management Plan has been prepared in accordance with the relevant conditions(s) and will achieve the objectives of the Management Plan.
5. Amendments to Management Plans

The Consent Holder may make amendments to the above Management Plans that are consistent with the objectives and performance requirements of the management plan and relevant consent conditions. The Amended Management Plan shall be submitted to SDC for certification in accordance with Conditions 3-4.

Site Preparation and Construction

6. Prior to the commencement of construction on the site, the vehicle crossings on Homebush Road and Loes Road which will be used for access during construction shall be formed and sealed in accordance with Diagram E10.D of the Operative District Plan (Rural Volume), at the expense of the Consent Holder.

7. The Consent Holder shall, at least 30 working days prior to the commencement of construction, submit to the SDC for certification a CTMP and CNMP.
8. The CTMP shall include, but not be limited to:
 - (a) Construction traffic routes;
 - (b) Measures to control the numbers of vehicles turning right into Homebush Road off SH 73 such that they do not exceed 80 vehicles per hour.
 - (c) Measures to manage traffic at the Homebush Road railway crossing;
 - (d) Nature and duration of any temporary traffic management proposed; and
 - (e) Measures to prevent, monitor and remedy tracking of debris onto public roads and dust onto sealed sections.
9. In preparing the CTMP, the consent holder shall include a description and summary of the consultation undertaken by the consent holder with NZTA staff with respect to the proposed limitation of right turning traffic specified in condition 9(b), including the outcome of this consultation with NZTA and listing all issues raised by NTA and the means by which the issue has been addressed in the CTMP.
10. The CNMP shall include, but not be limited to
 - (a) The applicable permitted noise standards
 - (b) The programme of works and hours of operation
 - (c) Identification of surrounding noise sensitive receivers
 - (d) Written communication with occupants of all occupied dwellings or minor dwellings that are within 50m of proposed piling works at least ten (10) days prior to the commencement of activities on site. The written advice shall set out:
 - i. a brief overview of the construction works.
 - ii. the working hours and expected duration,
 - iii. all mitigation measures to be implemented.
 - iv. the procedure for recording concerns/complaints regarding noise.
 - v. details of the management and mitigation measures required to comply with the relevant noise limits when piling works are undertaken within 50m of any occupied building that has not provided written approval.

11. Condition 10(d)v does not apply if receivers (dwellings or minor dwellings) within 50m of the extent of works provide their written approval to authorise temporary exceedances of the construction noise limits.
12. Construction work on the site must only take place between the hours of 7.30 am and 6.00 pm, Monday to Saturday (inclusive), except that this condition does not preclude quieter work related to construction outside of standard hours providing it can comply with the permitted construction noise limits at these times.

Advice note: Quieter activities may be undertaken outside of the hours of 7.30 am and 6.00 pm, Monday to Saturday (inclusive) if they are generally inaudible at sensitive receivers. This may include electrical testing and commissioning, bracket installation, cable management works, surveying, office and administrative work, PV module installation, use of hand tools and light vehicle movements.

Accidental Discovery

13. If, at any time during site works, sensitive materials (koiwi/human remains, an archaeology site, a Māori cultural artefact, or a protected NZ object) are discovered, then the following protocol must be followed:
 - (a) All works must cease in the immediate vicinity (at least 20m from the site of the discovery) and the area of the discovery must be secured including a buffer to ensure all sensitive material remains undisturbed.
 - (b) The Consent Holder must immediately advise the Consent Authority, Heritage New Zealand Pouhere Taonga and Police (if human remains are found) and arrange a site inspection with these parties.
 - (c) If the discovery contains koiwi, archaeology or artefacts of Māori origin, the Consent Holder must immediately advise representatives from Te Taumutu Rūnanga and arrange a site inspection with these parties.
 - (d) The Consent Holder must not recommence works until the steps set out in the above-mentioned standards have been followed and commencement of works approved by the Consent Authority.

Landscaping

14. At least 30 working days prior to the commencement of landscaping, the Consent Holder shall submit to SDC for certification a LMP. The LMP will be in general accordance with the Mitigation Planting Plan Drawings No. 01 and 02 dated 10/04/24 and included as an attachment to these conditions.
15. The LMP shall include, but not be limited to:
 - (a) The details of plant species, spacing, size and quantities of plants.

- (b) Timeline for planting works.
 - (c) Details of site preparation and maintenance required for plant establishment including the nature, duration and extent of any proposed irrigation.
 - (d) Details of plant replacement should a gap become apparent, the plants die or become diseased.
 - (e) The location and design of fencing of the Site.
 - (f) Details of ongoing maintenance including weed control management and monitoring.
 - (g) Details of the method and frequency of monitoring the health of the plants to ensure their health and survival.
16. All landscaping shall be implemented and maintained for the duration of the solar array activity in accordance with the LMP.

Ecology

17. Where internal shelterbelts are to be cleared, this shall occur outside of the main bird breeding season (1 September – 31 January (inclusive)) to avoid any risk of impacts to nesting protected indigenous birds.
18. At least 30 working days prior to installation of any culverts, the consent holder shall submit to SDC for certification a NFMP. The NFMP shall set out measures to prevent injury/mortality to fish during installation of the culverts, and to provide for fish passage post-installation. All works to install culverts shall be undertaken in accordance with the certified NFRP.
19. The Consent Holder shall undertake monitoring for bird strike to include:
- (a) a record of information about any bird species found dead at the Site that appear to have suffered trauma injuries, including species, number, and suspected cause of death. Input from an SQEP or veterinarian may be required.
- Note: Due to Wildlife Act 1953 requirements the handling of injured indigenous birds or the storage of dead indigenous birds would likely require approval from the Department of Conservation.*
- (b) Provide this information on an annual basis, to Selwyn District Council and / or the Department of Conservation, in order to increase the understanding of possible bird strike issues with solar arrays.

Operational Noise

20. Operational noise levels shall be measured in accordance with NZS6801:2008 Acoustics - Measurement of environmental sound, and assessed in accordance with the provisions of NZS6802:2008 Acoustics - Environmental noise, and noise shall not exceed the following levels when measured and assessed at:

- (a) The notional boundary of any dwelling on another site in the GRUZ

Timeframe	Noise limit
7:00am to 10:00pm	55 dB L _{Aeq}
10:00pm to 07:00am	45dB L _{Aeq} and 70 dB L _{Amax}

- (b) Within the site boundary of any site in a Residential Zone:

Timeframe	Noise limit
7:00am to 10:00pm	50 dB L _{Aeq}
10:00pm to 07:00am	40 dB L _{Aeq} and 70 dB L _{Amax}

21. No later than six weeks prior to commencement of construction of the solar farm, the consent holder shall provide Council with a report setting out an acoustic assessment from a suitably qualified and experienced acoustic expert that demonstrates the selected plant and layout will achieve compliance with the noise limits in Condition 33. The report shall include an assessment of the cumulative sound power levels for all electro-mechanical plant and confirm any proposed mitigation measures that must be incorporated in the layout, design and operation of the activity.

Glare

22. Glare at the following locations shall be mitigated by installing shade cloth (or similar) screens of 2.0m height until the mitigation planting establishes to a minimum height of 2.0m:
- (a) the intersections of Homebush Road and the Fonterra access road with SH73
 - (b) the McHughes Forest Park walkway entrance
 - (c) Auchenflower Road
 - (d) Homebush Road

Decommissioning and Site Rehabilitation

23. The Consent Holder shall advise the SDC, no later than two years of the solar array reaching the end of its economic or operational life, of the timeframe for:
- a) clearing the site of all panels, buildings/structures and cabling; and
 - b) reinstatement of the site to a state that enables it to continue to be used for land-based primary production.

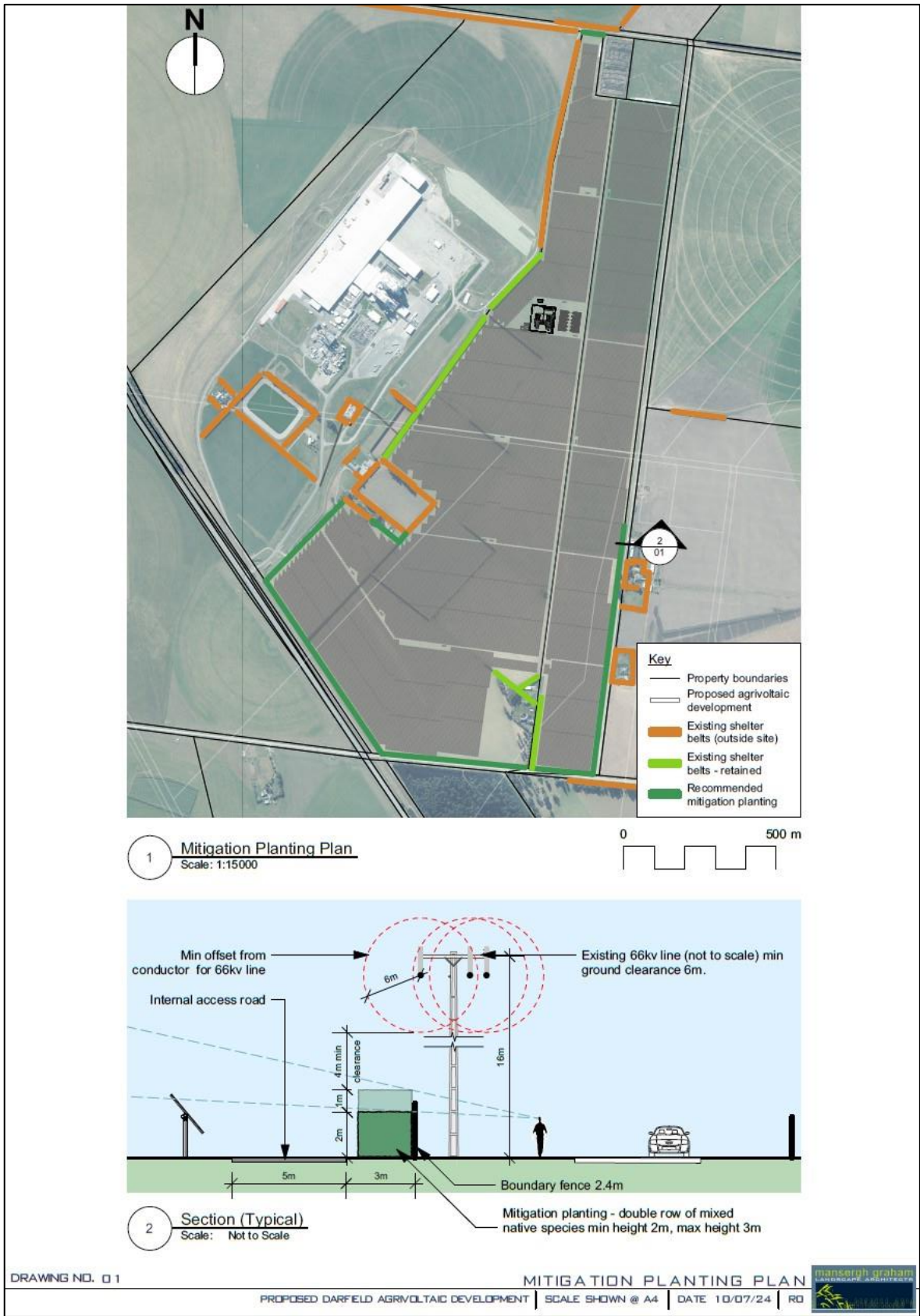
Hazard Management

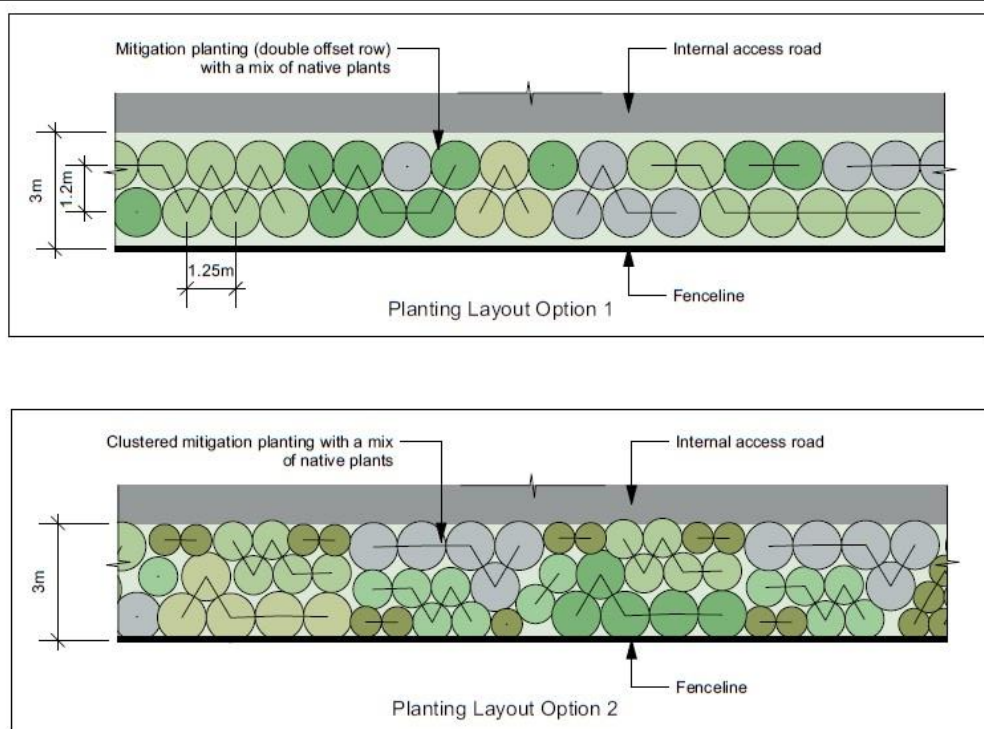
24. Inverters, batteries and transformers shall be established at a minimum height of 0.3 m above the 200 Year ARI flood level where they are positioned.
25. Prior to the operation of the solar array, the Consent Holder shall provide the Council with a copy of a Fire Safety Management Plan that is prepared under the Fire and Emergency New Zealand Act 2017 and specifies the fire detection and suppression systems shall be installed and maintained within the battery containers for the duration of the use of batteries on the site.

Advice note: It is intended that the version of the Fire Safety Management Plan submitted to the Consent Authority in accordance with this condition of consent shall have obtained prior approval from Fire and Emergency New Zealand (FENZ).

Attachments

1. Landscape Mitigation Planting Plan Drawings No. 01 and 02





Suggested Plant Species

Botanical Name	Common Name	Mature size (ht x wth)	Yrs to 3m	Flammability ¹	Min size at planting	Plant spacing
Exotic - Single species border						
<i>Pinus sp</i>	Pine	25m x 7m	4yr	x	20-30cm	2m
Native - Single species border						
<i>Griselinia littoralis</i>	Kapuka	6m x 2.5m	5yr	Low	20-30cm	1m
<i>Pittosporum tenuifolium</i>	Kohuhu	6m x 3m	3-4yr	Moderate	20-30cm	1m
Native - Mixed species border						
<i>Coprosma cotoneaster</i>	Korokio	3m x 2m	5-7yr	x	20-30cm	1
<i>Coprosma crassifolia</i>	Mingimingi	4m x 2m	3yr	Low	20-30cm	1m
<i>Coprosma propinqua</i>	Mingimingi	5m x 2.5m	5yr	Low	20-30cm	1m
<i>Coprosma robusta</i>	Karamu	5m x 4m	5yr	Low	20-30cm	1m
<i>Coprosma rugosa</i>	Needle-leaved Mountain Coprosma	3m x 2m	5yr	x	20-30cm	1m
<i>Coprosma virescens</i>	Mikimiki	5m x 3m	5-7yr	x	20-30cm	1m
<i>Corokia cotoneaster</i>	Korokio	3m x 2m	7yr	x	20-30cm	1m
<i>Griselinia littoralis</i>	Kapuka/Broadleaf	6m x 2.5m	5yr	Low	20-30cm	1m
<i>Griselinia littoralis</i>	Kapuka/ Broadleaf	4m x 2m	5yr	Low	20-30cm	1m
<i>Canterbury</i>						
<i>Myrsine australis</i>	Red matipo	5m x 3m		Low	20-30cm	1m
<i>Lophomyrtus obcordata</i>	Rohutu	5m x 2.5m	5yr	x	20-30cm	1m
<i>Olearia avicenniifolia</i>	Mountain akeake	4m x 3m	5+	x	20-30cm	1m
<i>Olearia lineata 'Dartoni'</i>	Twiggy Tree Daisy	4m x 3m	5yr	x	20-30cm	
<i>Olearia paniculata</i>	Akiraho/Golden Ake Ake	4m x 2.5m	5yr	x	20-30cm	1m
<i>Olearia solandri</i>	Coastal Shrub Daisy	4m x 2m	5yr	x	20-30cm	1m
<i>Pittosporum eugenoides</i>	Tarata/lemonwood	9m x 3m	5yr	Low/mod	20-30cm	1m
<i>Pittosporum ralphii</i>	Ralph's karo	5m x 3m	5yr	x	20-30cm	1m
<i>Pittosporum tenuifolium</i>	Kohuhu	6m x 3m	3-4yr	Moderate	20-30cm	1m
<i>Veronica salicifolia</i>	Koromiko	4m x 2m	5yr	Low/mod	20-30cm	1m

x = flammability not listed in the Fire Emergency New Zealand Low Flammability Plant List (unknown)

* Tips can be frosted when young but will recover after 2 yrs.

** Presumed this plant will have the same flammability as the other plants of the same species listed

DRAWING NO. 02

PLANTING LAYOUT AND SUGGESTED SPECIES LIST

PROPOSED DARFIELD AGRIVOLTAIC DEVELOPMENT | SCALE SHOWN @ A4 | DATE 10/07/24 | RO

