environment SOUTHLAND REGIONAL COUNCIL
Te Taiao Tonga

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Land Use Consent

Under Section 104A of the Resource Management Act 1991, a resource consent is granted by the Southland Regional Council (the "Council") to **Datagrid New Zealand Limited Partnership** (the "consent holder") of **Level 8, 139 Quay Street, Auckland 1010** from **16 January 2025**.

Please read this Consent carefully, and ensure that any staff or contractors carrying out activities under this Consent on your behalf are aware of all the conditions of the Consent.

Details of Permit

Purpose for which permit is granted:		To install up to two **bores** for monitoring purposes.
Location	- site locality	370 Flora Road East, Makarewa
	- NZTM2000 co-ordinates	Bore 1: NZTM2000 1245013E 4858447N Bore 2: NZTM2000 1245039E 4857904N
	- groundwater zone	Waihopai
	- catchment	Waikiwi Stream
	- physiographics zone	Gleyed
	- FMU	Oreti
Legal description of land at the site:		Lot 2 DP 526953
Well number:		Bore 1: CG10/0236 Bore 2: CG10/0237

Expiry date: 16 January 2026

Schedule of Conditions

1. Where the bore/well is to be maintained as a permanent installation, construction shall comply with NZS 4411:2001. In particular:

   (a) the top of the bore/well casing shall extend at least 300 mm above ground level;
   (b) a seal, made of concrete or similar material, is to be placed at ground level around the outside of the casing. The seal shall be sufficient to prevent foreign material, surface water, spillage or other leakage entering the space between the casing and the wall of the borehole;
   (c) the top of the casing shall be sealed to prevent the entry of contaminants;

(d) flowing artesian bores/wells shall be fitted with headworks to control artesian pressures and avoid the uncontrolled discharge of water.

(e)

i. A filter pack comprising clean, washed sand (typically 2 to 4 mm) shall be placed around the screened interval. The filter pack shall extend at least 200 mm above the screened interval.

ii. A bentonite seal (typically bentonite pellets) shall be placed above the filter to prevent ingress of water via the bore annulus. The bentonite seal shall be typically extend >2 m above the filter pack.

iii. The remainder of the bore annulus can be backfilled with clean material.

(f) Bores/wells intended for water abstraction or groundwater monitoring shall comply with the following:

i. the screened interval should be placed near the estimated lowest water table depth;

ii. structure shall be placed around the bore/well to exclude stock from the immediate vicinity of the bore/well.

Advice Note:
If the bore authorised by this consent is to be maintained as a permanent source of water, then a water permit may be required. If an existing water permit is held for a farming, industrial or trade operation, that water permit may need to be amended by way of applying for a variation under s127 of the Resource Management Act to add the new bore details and therefore avoid technical compliance issues.

2. In the event that the bore/well is not to be maintained as a permanent installation, decommissioning and filling shall also be in accordance with NZS 4411:2001.

3. Within one month of the exercise of this consent, the following information shall be provided to the Consent Authority:

(a) GPS reference points for the bore/well location(s)
(b) A bore construction report for each bore/well drilled on the prescribed form. This report shall include details of bore/well construction including:
i. drilled depth;
ii. casing depth;
iii. screened intervals; and
iv. casing and screen materials;
this construction report can be found on the Consent Authority's webpage.
(c) geological logs, including water table depth; and
(d) details of pumping tests carried out.

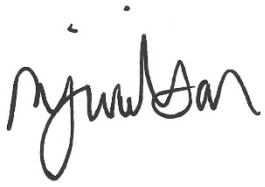
4. Where more than one aquifer is encountered during drilling, the bore/well shall be constructed so that groundwater is drawn from one primary aquifer, and so that leakage between zones of differing pressure or water quality is prevented.

5. If water quality tests are undertaken as part of the development of the bore/well(s) these results shall be supplied to the Consent Authority within one month of the results being received by the Consent Holder.

6. In the event of a discovery, or suspected discovery, of a site of cultural importance (Waahi Taonga/Tapu), the consent holder shall immediately cease operations in that location and

inform the local iwi authority (Te Ao Marama Inc., phone: (03) 931 1242). Operations may recommence with the written permission of the Consent Authority. The discovery of Koiwi (human skeletal remains) or Taonga or artefact material (e.g. pounamu/greenstone) would indicate a site of cultural importance. *Note: A protocol outlining the process in the event of such a discovery can be obtained from Environment Southland.*

for the **Southland Regional Council**



Melanie Wilson
Team Leader Consents