

Auckland Unitary Plan

# Standard Conditions Manual

## Bores

### Disclaimer

*The information in this Standard Conditions Manual is, according to Auckland Council's best efforts, accurate at the time of publication. Auckland Council makes every reasonable effort to keep it current and accurate. However, users of the Conditions Manual are advised that:*

- *Although the conditions are “standardised”, in the sense that they should be applied consistently where they are required, this does not mean that they should all be applied in every instance. Applicants need to consider the nature of the activity, and the characteristics of the site and its surroundings in considering whether to apply each and every condition.*
- *The standard conditions should be used with caution as a starting point from which appropriate conditions for the individual consent should be drafted to align with the requirements of ss108, 108AA and 220 of the Resource Management Act 1991.*
- *Further guidance as to whether to apply the conditions are included in the guidance notes that accompanies each condition.*
- *Users should take specific advice from qualified professional people before undertaking any action as a result of information obtained in this Standard Conditions Manual.*
- *Auckland Council does not accept any responsibility for, or liability whatsoever whether in contract, tort, equity or otherwise (including negligence) arising from the use of, or reliance on, this Standard Conditions Manual. This includes, without limitation, any liability arising from any error, or inadequacy, deficiency, flaw in or omission from the information provided.*

## **Introduction**

The purpose of these bore conditions is primarily to ensure that bores and their associated structures are constructed correctly to minimize contamination of groundwater during construction.

The Coastal & Water Allocation Team will monitor stand alone Bore consents. All integrated consents will be monitored by the Team Leader [specify area] Compliance Monitoring. An internal agreement between the Monitoring and the Coastal & Water Allocation team will ensure that all information necessary to the consent is appropriately assessed while the customer maintains a single point of contact with the council. Where a standalone consent is granted the single point of contact for the conditions can be changed to Team Leader – Coastal & Water Allocation.

## **Which conditions should I use?**

All of the following conditions and advice notes apply to a standard bore consent.

## Conditions

### Condition 1: Bore location and construction

The bore/s are to be generally located and constructed as detailed below:

Name	Bore ID	NZTM Easting (mN)	NZTM Northing (mE)	Depth (m)
XXXX	XXXX	XXXX	XXXX	Between xx - xx metres
Bore diameter	Aquifer	Casing depth (m)	Casing material	Grouting
xx	xx	xx	xx	xx

*Guidance Note:*

*This condition should go on all consents. The condition allows some flexibility in terms of actual location and sets out construction criteria the bore should meet.*

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### Condition 2: Bore completion date

The bore must be completed within 30 days of commencement of the construction of it.

*Guidance Note:*

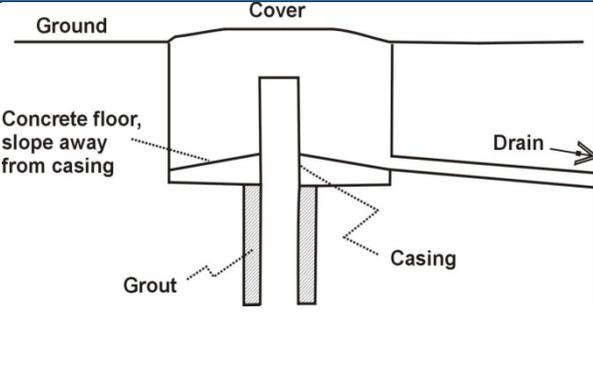
*This condition should go on all consents. The short duration is intended to minimise contamination to groundwater during construction works.*

### Condition 3: Bore design, construction, maintenance, and record keeping

The bore must be constructed, maintained, tested, and records kept (drilling log), in accordance with NZS 4411:2001, Environmental Standard for Drilling of Soil and Rock. Adequate provisions for groundwater water level measurement and water sampling must also be provided at the bore head.

#### Advice Note 1:

Bore headworks constructed in accordance with the diagram and explanation provided below will be considered to meet the NZS 4411:2001 Section 2.5.5.3-5.

Above ground	Below ground
<ul style="list-style-type: none"> <li><i>The top of the casing must extend at least 0.3m above the natural ground level or pump house floor, whichever is the lower</i></li> <li><i>A concrete pad of 0.3m radius and 0.1m thick, graded to drain surface water away from the bore, is to be constructed around the bore head</i></li> </ul>	

#### Advice Note 2: Water level measurement and water quality sampling

NZS 4411:2001 Section 2.5.5.7 (water level measurement) can be met by strapping a 20mm diameter (minimum) tube (polypipe) to the main riser, power and support stay for the pump, the provision of a hole in the headworks of a minimum of 20mm diameter and a removable, screw-type cap. Provision at the top of the bore for water quality sampling can be achieved by fitting a tap or hand valve as close to the pump outlet as possible and before the water enters any storage tank or filter. It should have at least 0.3 metre clearance above ground level or other obstruction to allow a sample bottle to be filled.

#### Guidance Note:

*This condition should go on all consents. NZS 4411:2001 sets out standards to minimise adverse effects to groundwater from construction works. The drill log builds a geological record of the site and verifies the presence of the target aquifer. Provision for water quality and level monitoring enables sampling to be undertaken to check the ongoing condition of the aquifer.*

#### Condition 4: Bore identification

A bore identification number **XX** must be permanently affixed, in a clearly visible location and in a form that will remain legible, to the bore head structure.

#### *Guidance Note:*

*This condition should go on all consents. The bore identification number for each bore is to be entered into this condition. This enables the council and the consent holder to clearly determine which bore is which and to keep records of bore and their location in the region.*

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#### Condition 5: Information to be supplied to the council

The following information must be supplied to Council within 20 working days of completion of the bore:

- a. The drilling log.
- b. A digital photograph(s) legibly showing:
  - c. the bore number affixed to the bore head structure;
  - d. the length of the casing protruding above the concrete pad; and,
  - e. the concrete pad around the bottom of the bore head.
- f. An annotated map, or aerial photograph, that accurately and clearly shows the physical location and coordinates for the bore.
- g. The following as built details for each bore –

Name	Bore ID	NZTM Easting (mN)	NZTM Northing (mE)	Depth (m)

Bore diameter	Aquifer	Casing depth (m)	Casing material	Grouting

#### Advice Note:

An aerial map can be downloaded from Auckland Council's web site if an aerial photograph is required.

*Guidance Note:*

*This condition should go on all consents. It confirms to the council that a bore has been constructed and enables the council to update its bore records for ongoing monitoring and management purposes.*

## Advice Notes

### Advice Note 1: Email contact details

All information required by the council in this consent can be sent to [bores@aucklandcouncil.govt.nz](mailto:bores@aucklandcouncil.govt.nz)

*Guidance Note:*

*This advice note should go on all consents.*

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### Advice Note 2: Drinking water standards

The consent holder is advised that groundwater supplied for human consumption should meet the requirements of the Drinking Water Standards for New Zealand (2005), the Health Act 1956, as amended by the Health (Drinking Water) Amendment Act 2007 (HDWAA) and any other Ministry of Health requirements, such as those contained in the Health (Drinking Water) Amendment Act 2007.

*Guidance Note:*

*This advice note should go on all consents. Most bores are used to provide drinking water and this advice note provides information to the consent holder on the standards which should be met. The purpose of the advice note is educational only.*

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### Advice Note 3: Compliance with regional rules

There are regional rules that cover the ongoing use, maintenance, restoration, alteration, replacement or decommissioning of the bore which must be complied with. These rules are in Activity table E7.4.1 (A36-A42) of the Auckland Unitary Plan (Unitary Plan).

*Guidance Note:*

*This advice note should go on all consents to inform the consent holder of their obligations in terms of the ongoing use and/or decommissioning of the bore. The bore consent itself covers the effects associated with the drilling of the bore. Once drilled, other rules in the Unitary Plan cover any change in the use of the bore.*

#### **Advice Note 4: Use of water**

The consent holder is advised that if water taken from the bore is used for any purpose other than:

- an individual's reasonable domestic needs; or
- the reasonable needs of an individual's animals for drinking water; or
- firefighting purposes;

Then resource consent may be required.

#### *Guidance Note:*

*This advice note should go on all consents where the use of the water is a permitted activity. It is not needed for bores where consents for groundwater takes are also sought.*