

## (WS-FO-338) SEWER APPLICATIONS

I/we make application to have the following works/services carried out and pay any applicable fees and ongoing annual charges as set out in Councils Revenue Policy.

**Gravity Main Extension** ☐

**Pressure Sewer Connection/Extension** ☐

**Note: A connection via a new sewer junction will require a separate form.**

**Is this application part of a D/A?** ☐ Yes ☐ No

**D/A** \_\_\_\_/\_\_\_\_

**DETAILS OF PROPERTY / PREMISES:**

Owners Name(s): \_\_\_\_\_

House/Farm Number: \_\_\_\_\_ Street/Road Name: \_\_\_\_\_

Town/Village: \_\_\_\_\_

Lot No: \_\_\_\_\_ Section No: \_\_\_\_\_ DP No: \_\_\_\_\_

Parcel No: \_\_\_\_\_ Assessment No: \_\_\_\_\_

**TYPE OF PREMISES:** (Tick only one)

☐ Residential ☐ Non-Residential ☐ Commercial ☐ Industrial

☐ Other (please state) \_\_\_\_\_

If non- residential, commercial or industrial, approximate No. of persons employed at premises: \_\_\_\_\_

Is a pool or spa proposed: Yes / No

**APPLICANTS DETAILS:**

Applicants Name: \_\_\_\_\_

Postal Address: \_\_\_\_\_

Phone Number: \_\_\_\_\_ Fax Number: \_\_\_\_\_

Email: \_\_\_\_\_

Signature of Applicant: \_\_\_\_\_ Date: \_\_\_\_\_

Signature of Property Owner: \_\_\_\_\_ Date: \_\_\_\_\_

Sewer Grinder Pump Pamphlet received by owner: (Signature) \_\_\_\_\_

**Note: Electrical must be completed to attached specifications otherwise unit will not be connected.**

**GENERAL SITE SKETCH PLAN TO SHOW:**

Site plan must include position of all buildings, pathways and drives and road names.

1) Lot Boundaries 2) House Location 3) Street Frontage 4) Proposed Location of Pump Station in relation to the house. 5) Proposed location of Pump Station. (Please provide a copy of approved sewer plan - if applicable)

Nearest Side Road/Street

Nearest Side Road/Street

House / Farm / Lot No.....

Street/ Road Name.....

**OFFICE USE ONLY**

Checked by \_\_\_\_\_  
(CSO Print Name)

Signature \_\_\_\_\_

Date Paid: \_\_\_\_\_

Receipt No: \_\_\_\_\_

(Receipt Code 500 - Job No. 131147 / 541 / 849)

CRMS No: \_\_\_\_\_

Amount Paid: \$ \_\_\_\_\_

Grinder/Sewer Application No: \_\_\_\_\_

☐ Development

☐ Private (fees applicable)

Information on Grinder Pump Pamphlet handed to Customer:

Yes / No

Copy of Installation Guidelines handed to Customer:

Yes / No

Original Application to Construction Inspector:

Yes / No

Copy of Application to Water Billing (*Once installed*):

Yes / No

Application Recorded on Commissioning Register

Yes / No

Comments \_\_\_\_\_

## INFORMATION ON SEWERAGE GRINDER PUMPS

Your property is to be serviced by a pressure sewerage system. What this means is that sewerage from your dwelling / business is to be collected in a below ground level tank and then pumped from your property.

To ensure a trouble free application and installation, please take care that the following points are followed:

### On your application form:

- Ensure all details are provided. A contact phone number is essential if further information regarding your application is required.
- If you are making a non-residential application, you will need to provide an approximate number of employees on the premises once the business is fully operational. If your business will be discharging waste to sewer other than normal toilet and sink usage, consultation with Council is mandatory. This will need to be addressed in the early stages as a different pumping unit may be required, possibly resulting in delays.
- Usually a grinder pump application relates to a Development Application (DA). A site plan is usually submitted with your DA, so it is preferred that you obtain a copy of that plan and indicate on that where you propose to have your pumping equipment. Please ensure you show all requested information as detailed on the back of the pressure sewer application. An example is provided on the reverse side of this sheet.
- Usually the boundary kit has already been installed in either one of the front corners of your block. You should see a black rectangular plastic lid at ground level. If you are unsure or cannot locate it, please contact Council.
- The depth of the sewer must not exceed 1.1 metres at the proposed pump station location. This allows for approximately no more than 45 metres of gravity sewerage pipework into the pump station. It is best to keep this distance to a minimum, to avoid the pump station having to be relocated from your preferred location. The pump station will need to be located on the same side of the lot as the boundary kit and not too close to driveways or within garden beds. If in doubt, your plumber may be able to assist you.
- An alarm panel is also to be installed. It is equipped with a red light that will illuminate in the event of a fault. For this reason, the light will need to be visible from the street. The alarm panel must not be more than 10 metres from the pump station and must also be visible from the pump station.
- Please indicate the location of the main electrical switchboard; usually where the electrical meter is to be housed.
- The pump station and associated pressure pipework to the boundary kit should be installed in a non-trafficable area.
- Once the application has been approved, Council's nominated installer will contact you to co-ordinate the installation.

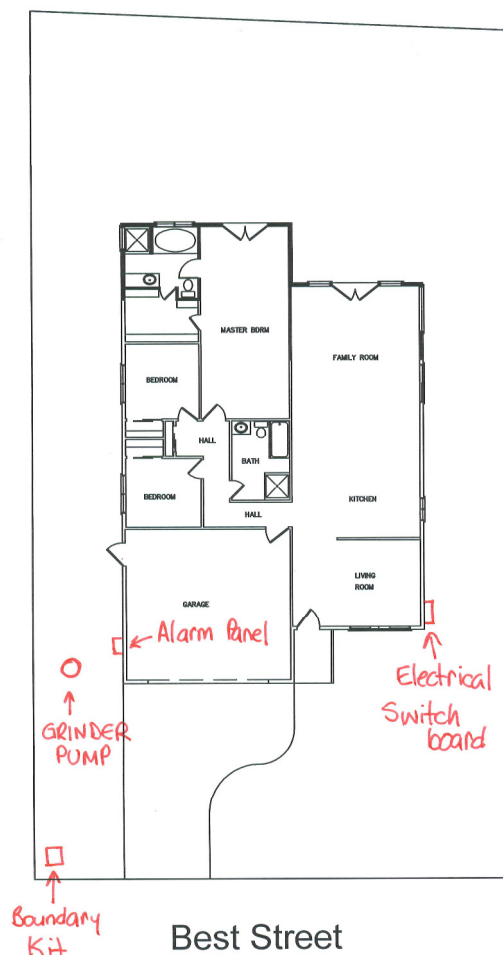


Refer to the example of a site plan on the next page:

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## FORM

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TEAR HERE AND GIVE THIS SECTION TO YOUR ELECTRICIAN

### For your Electrician:


- Power supply for the alarm panel **MUST** be from the main switchboard, via a 32A circuit breaker
- The circuit breaker must be clearly labelled '**GCC SEWER PUMP**'
- Power may enter the panel either through the bottom or through the back. The conduit must be sealed to prevent moisture entering the panel. The panel will be installed approximately 1.5metres from finished ground/footpath level.
- Consult with the owner as to the location of the alarm panel. Please ensure this has not changed from the applications approved location.
- IF IN DOUBT, CONTACT GCC on (02) 69 628 100.

TEAR HERE AND GIVE THIS SECTION TO YOUR PLUMBER

### For your Plumber:

- Maximum depth of the sewer shall not exceed 1.1 metres
- Consult with the owner as to the location of the pump station. Please ensure this has not changed from the applications approved location.
- When the external sewer is complete, mark the end of the line with a peg.
- An accredited installer will then install the tank. **PLEASE NOTE THE PUMP IS NOT INSTALLED AT THIS STAGE.** All lines will need to be flushed during the fit off stage, to remove all debris from the lines.
- The tank will then need to be pumped out completely prior to pump installation.
- Please ensure that toilets etc are not being used prior to the pump being installed. If necessary, place a 'DO NOT USE' sign on the toilets.
- IF IN DOUBT, CONTACT GCC on (02) 69 628 100.

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	Version:	2
	Date:	04.10.2006
	Approved:	K. Calabria
	Authorised:	N Nehme

## **Eone Pressure Sewer Pump Electrical Installation**

### **Pressure Sewer Panel Supply**

The supply to the P.S. panel is a 4mmsq T & E cable controlled by a 30A – 4kA C/B tapped above any RCD's and marked 'Sewer Pump' with it's Neutral No. clearly visible.

If run externally, the cable shall be bottom entry encased in PVC conduit and terminated through the bottom of the panel with a screwed adaptor.

The conduit shall be sealed.

If run internally the cable can be back or bottom entry again terminated with a conduit screwed adaptor and sealed to stop any moisture from the cavity.

### **Pump Control Cable**

The pump control cable will be run in orange PVC conduit (corrugated or solid) at a minimum depth of 500mm BFGL. AS/NZS 300-2000 with reference to section table 3.6 & 3.7.

#### **Fig 1 – Fig 2**

The conduit will have a cable marker positioned not less than 200mm above the wiring system. AS/NZS 3000:2000 with reference to section 3 clauses 3.11.3.4.

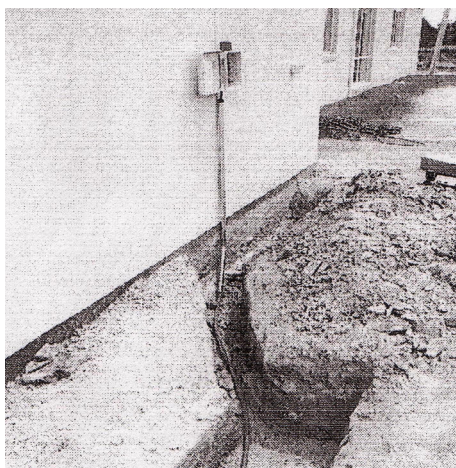



Fig 1



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## Eone Pressure Sewer Pump Electrical Installation

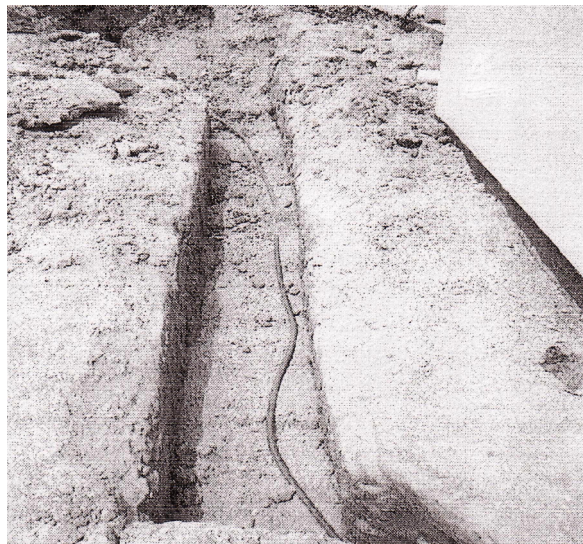



Fig 2

The pump cable is terminated through the vessel via a supplied cable gland and conduit adaptor **Fig 3**.



Fig 3

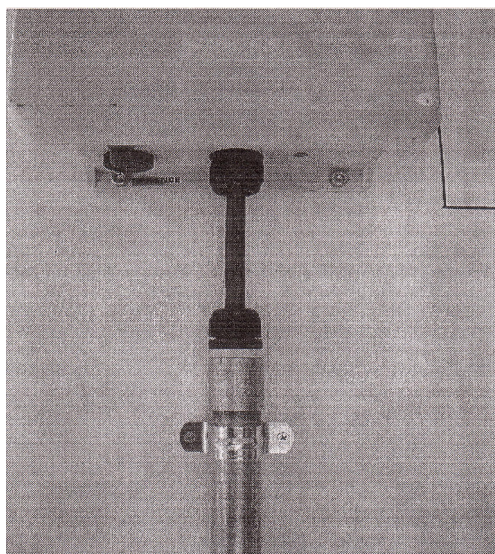
 <p>Griffith City Council progress with pride</p>	Document:	GCC-W&S-DOC-302		
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## **Eone Pressure Sewer Pump Electrical Installation**

### **Pump Cable Panel Termination**

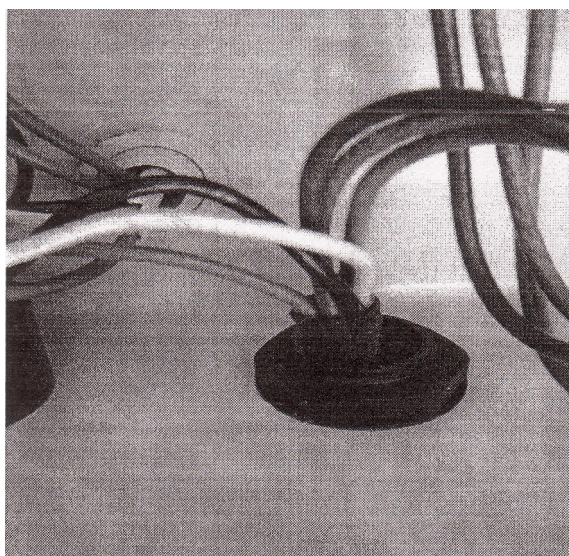
The pump cable / PVC conduit is run through a 25mm steel conduit (mechanical protection AS-NZS 300 2000 section 3 clause 3.9.1) with the top capped with a reducer and a 25mm cable gland installed 120mm below the panel.

This allows a 90mm air gap between pump cable exit and panel entry. (This gap is for escaping gases from within the conduit) **Fig 4.**



**Fig 4**

The pump cable will be terminated through the bottom of the panel via a cable gland.




**Fig 5**



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### **Eone Pressure Sewer Pump Electrical Installation**

The P.S. panel should be installed at a height of 1200mm AFGL, but not above 1800mm AFGL (Above Finished Ground Level).

**The Eone Pressure Sewer Pump electrical installation shall be conducted in accordance with:**

- **AS-NZS 3000:2000 wiring rules. (section 1.10)**
- **NSW Service & Installation Rules March 1999**
- **All relevant Local Authority codes of practice**
- **Eone pump manufactures instructions and recommendations**
- **Local Council / Water Authority codes of practice**
- **Specifications and scope of works pertaining to the installation of the Eone Pressure Sewer Pump System**
- **NSW OH & S codes of practice**

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