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## Application for a Permit to connect to the Shire's drainage system

Application No.: Yr/No. \_\_\_\_\_

### How do I connect to the Shire's drainage system?

Connection to the street drainage system requires a permit and must be inspected both before and after, by the Shire of Denmark Officer. Call the Engineering department on **98480322** to arrange.

### Applicant's Details

- ☐ Owner of Property  
☐ Contractor

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

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

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

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

Connection Type: Residential / Commercial

### Contractors Details

Contractors Name: \_\_\_\_\_

Phone: \_\_\_\_\_

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

Correspondence Required to Builder? Yes / No

### Drainage System Details

Lot No: \_\_\_\_\_ Street No: \_\_\_\_\_ Street: \_\_\_\_\_  
Location: \_\_\_\_\_

## **Type of Construction Required to connect to Shire's Drainage System**

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### **Conditions**

1. No drainage connection shall be installed without the issuance of a permit.
2. A drainage connection application fee in accordance with the Shire of Denmark's fees and charges is required to be paid prior to the issuance of a permit.
3. The Shire of Denmark has the power under the Local Government Act 1995, as amended, to rectify any non-standard drainage construction at the applicant's expense.
4. The permit for the construction of the connection to Shire's drainage system is only valid for twelve months from the date of permit issuance.
5. If you have any queries, contact the Shire of Denmark's Technical Services department

### **Important Notes**

- What is stormwater detention?
  - Stormwater detention is the collection of rain that falls on your property (known as stormwater), storing temporarily, and then releasing it slowly so that it doesn't cause downstream flooding.
- Why is stormwater detention necessary?
  - The aim of stormwater detention is to hold stormwater within the property for a sufficient period to simulate when the land was grassland (pre-development conditions). This reduces the flood risk for properties downstream, and adverse effects to the natural waterways.
- What is the Shire of Denmark's requirements?
  - Stormwater from all impervious areas (roof, driveway, paving etc.) is to be detained onsite with an overflow connected to existing stormwater infrastructure (or discharged to the road – see figure 4).
- How can I achieve the detention requirements?
  - There are several options available to achieve detention, as listed below:
    - Storage pits (see figure 1) or modular storage
    - Rain gardens (see figure 2)
    - Rainwater tanks (with rainwater retention volume – see figure 3).

NOTE: Rainwater tanks are to be used when other options are unachievable.

- **Due to Denmark's soil conditions; soakwells are not suitable in most areas within the Shire.**
- How much storage is required?
  - As a guide, 0.5m<sup>3</sup>(500 litres) is required per 100m<sup>2</sup> of impervious area.
  - Alternatively, the storage can be calculated and designed by a Civil Engineer to the satisfaction of the Shire of Denmark.
  - Where the impervious area is unknown, the following table can be used:

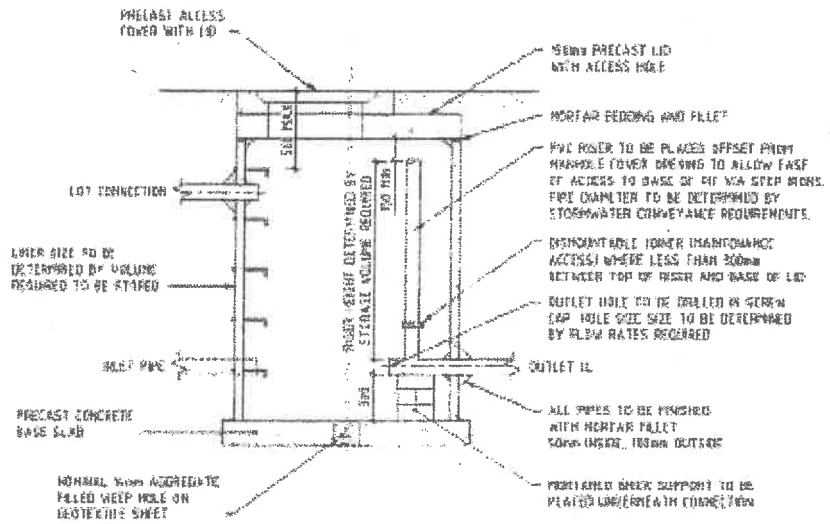
Total land area (m <sup>2</sup> )	300	400	500	600	700	800	900	1000
Required storage volume (m <sup>3</sup> )	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0

I hereby certify that this application contains a true and accurate description of the proposed works. All works will be carried out in accordance with the information contained in this application, legislative & statutory requirements and to any other conditions or specifications imposed by the Director Infrastructure & Assets.

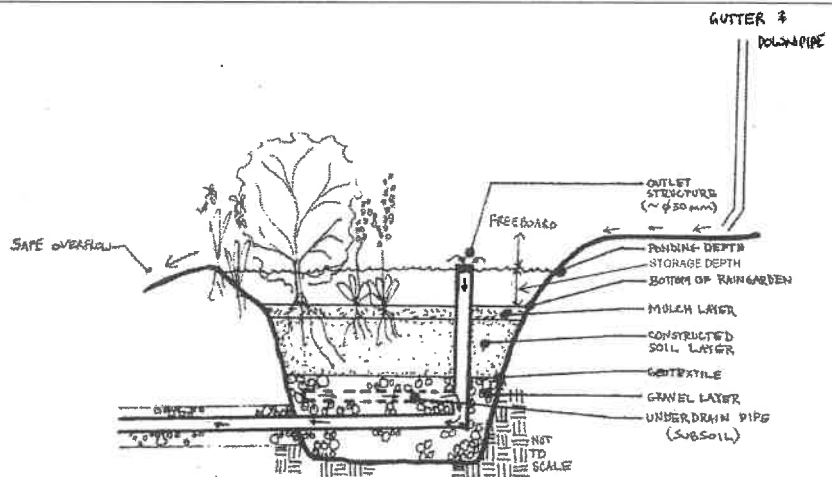
Endorsed by..... (Applicant)

## INFORMATION SHEET

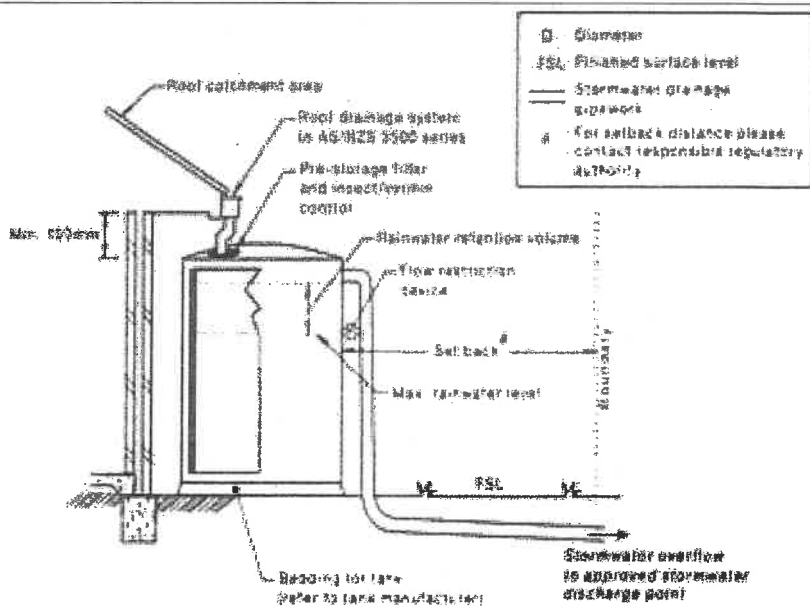
### Figure 1 - Storage Pits



### Figure 2 – Rain Garden



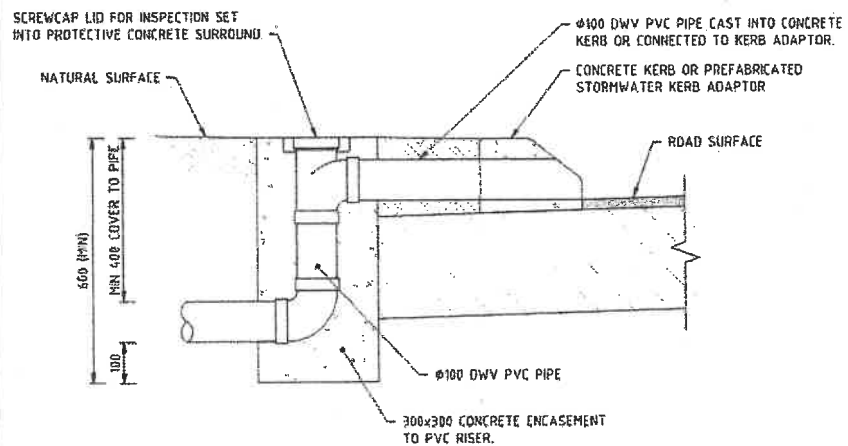
### Figure 3 –Rainwater Storage Tank



DISCLAIMER: this information sheet is a guide only. Confirmation with Local Laws, Acts, Planning Schemes and other relevant documents is recommended for detailed references.  
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## INFORMATION SHEET

**Figure 4 – Kerb  
Outlet Detail**



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Assessment No: \_\_\_\_\_ Application No: \_\_\_\_\_

<b><u>Site Assessment</u></b>			<b><u>Date / Comments</u></b>
Application and payment lodged	<input type="checkbox"/> Yes	<input type="checkbox"/> No	_____
Application approved by Engineer	<input type="checkbox"/> Yes	<input type="checkbox"/> No	_____
On-site location approved	<input type="checkbox"/> Yes	<input type="checkbox"/> No	_____
Construction completed	<input type="checkbox"/> Yes	<input type="checkbox"/> No	_____
Inspected by: _____			Sign: _____ Date: _____