



# Queensland Government

## CHIEF EXECUTIVE APPROVAL 06/2011

*Plumbing and Drainage Act 2002, part 5, division 1, section 93*

File reference: SD 56

### Approval

The **Eco Design Greywater Recycling System** described in the Specifications and Drawings in the attached Schedule and manufactured by **Eco Design Sustainable housing** (ABN 33 190 648 366) has been assessed in accordance with the Queensland Plumbing and Wastewater Code (QPW Code) dated 19 January 2011.

Approval is granted for a treatment system, subject to compliance by the manufacturer with the requirements of the *Plumbing and Drainage Act 2002* (PDA), part 5, division 1, section 91 and the conditions of approval detailed below.

This approval, the conditions of approval, and the Schedule comprise the entire Chief Executive Approval document.

Any modification by the manufacturer to the design, drawings, or specifications scheduled to this Chief Executive Approval must be approved by the Chief Executive.

This approval does not affect the operation of the *Competition and Consumer Act 2010* (formerly the *Trade Practices Act 1974*), *Fair Trading Act 1989*, *Sale of Goods Act 1896* or any other law.

Glen Brumby

**Executive Director  
Building Codes Queensland**

Date approved: 15/4/2011

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ABN 61 331 950 314



## Conditions of approval

1. The manufacture, installation, operation, service and maintenance of the system must be in conformity with the conditions of this Chief Executive Approval. The system must be supplied with —
  - (a) a copy of this Chief Executive Approval document;
  - (b) details of the system;
  - (c) instructions for authorised persons for its installation;
  - (d) a copy of the owner's manual to be given to the owner at the time of installation; and
  - (e) detailed instructions for authorised service personnel for its operation and maintenance.
2. The system must be serviced in accordance with the details supplied in the owner's service and maintenance manuals.
3. An approved system, when installed on premises, must continue producing effluent that meets the following standard under the Queensland Plumbing and wastewater Code for end uses with a low level of human contact:-
  - (a) BOD – less than or equal to 240mg/L; and
  - (b) Suspended solids – less than or equal to 140mg/L.
4. The Chief Executive may, by written notice, cancel this approval if the manufacturer fails:
  - (a) to comply with one or more of the conditions of approval; or
  - (b) within 30 days of the date of written notice to remedy a breach being issued by the Chief Executive.
5. This approval does not extend, apply to, or include the land application system used in conjunction with an approved system installed on premises.
6. This approval may only be assigned with the prior written consent of the Chief Executive.
7. This approval expires on 15/4 2016 unless cancelled earlier in accordance with paragraph 4 above.

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Building Codes Queensland**

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## SCHEDULE

**Attachment 1:** Specifications

**Attachment 2:** Drawings

Glen Brumby  
**Executive Director**  
**Building Codes Queensland**

Date approved: 15/4/2011

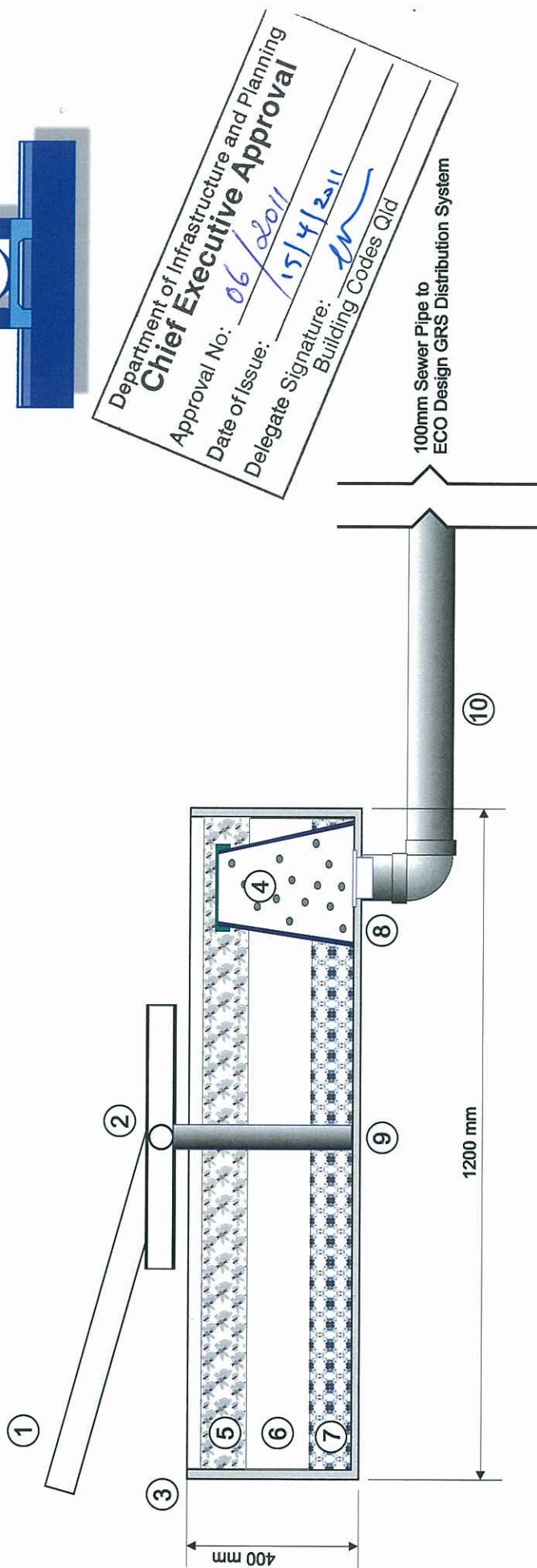
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# ECO Design Sustainable Housing Greywater Treatment System Schematic Section



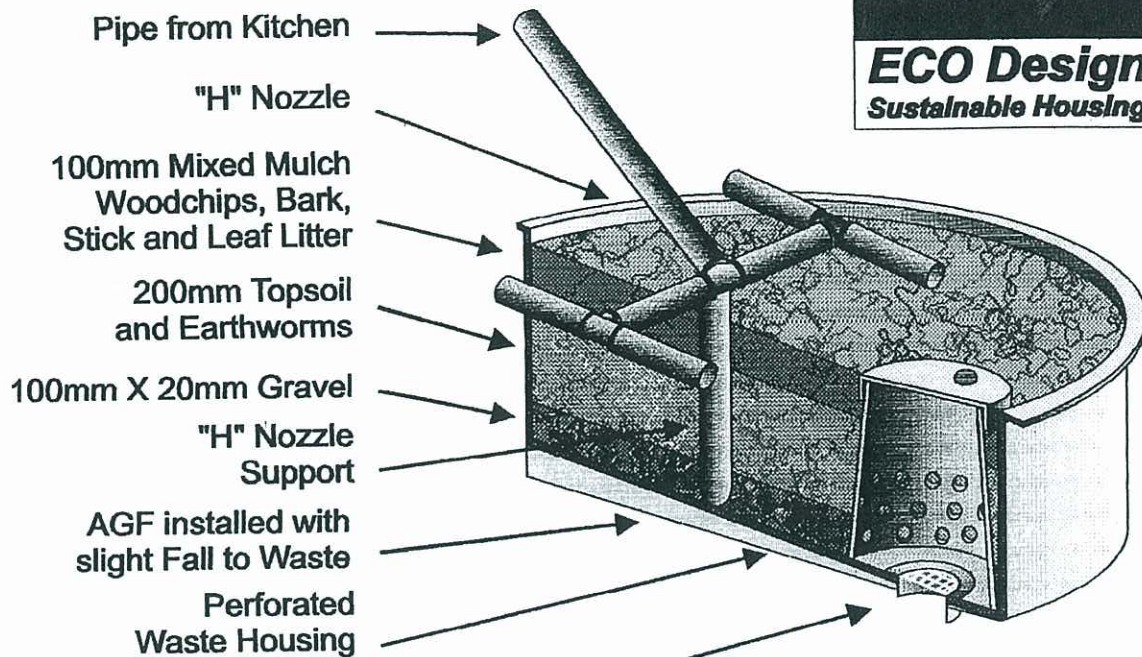
Department of Infrastructure and Planning  
**Chief Executive Approval**  
Approval No: 06/2011  
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Delegate Signature: [Signature]  
Building Codes Qld

NOTES-  
GREYWATER DISTRIBUTION PIPES IN LAND APPLICATION AREAS TO BE  
INSTALLED AS SPECIFIED IN THE ECO DESIGN GREYWATER SYSTEM  
"INSTALLATION, OPERATION & MAINTENANCE MANUAL"

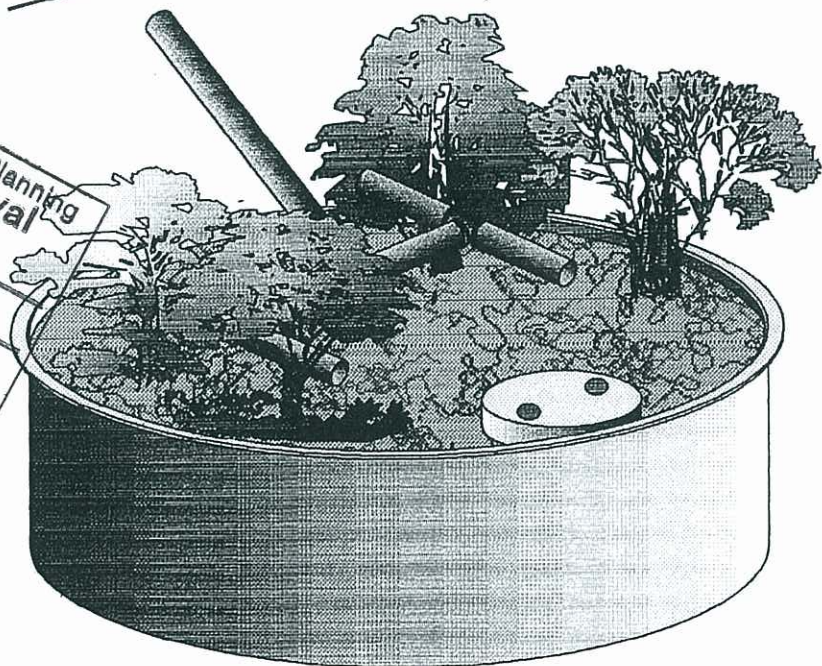
ITEM	COMPONENT	MATERIAL
1	GREYWATER WASTE PIPE	PVC
2	GREYWATER DISTRIBUTOR NOZZLE	HDPE PLASTIC
3	AEROBIC GREASE FILTER (AGF)	HDPE PLASTIC
4	AGF GREYWATER WASTE HOUSING	HDPE PLASTIC
5	MULCH	BARK OR LEAF LITTER
6	TOPSOIL	ORGANIC SANDY LOAM
7	GRAVEL	20MM
8	100MM WASTE GRATE	PVC
9	DISTRIBUTOR NOZZLE SUPPORT	HDPE
10	100MM SEWER PIPE	PVC



# Greywater Recycling System Aerobic Grease Filter



CROSS SECTION



Ornamental plants can be added as required planted around the "H" nozzle but not directly underneath the outlets

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The AGF is a open top, HDPE plastic tank 1100mm in diameter x 420mm, 380 litre capacity.

The AGF tank is installed with a slight fall 1 - 100 to one side. The waste drain and housing are installed at the lowest point in the bottom of the AGF. The waste drain and housing must not be installed directly under any of the outlets in the "H" nozzle.

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