

# Meeniyan Sewerage Scheme



## South Gippsland Water

### Community Information Evening

– Tuesday 2nd October 2007

Opening of meeting;

Llew Vale

Chairman South Gippsland Water

**Welcome to all attendees**

# Meeniyan Sewerage Scheme



## Purpose of Information Evening

- To inform the Meeniyan community about the sewerage scheme
- Presentation of conceptual scheme by Graeme Jackson, SGW Project Development Manager.
- Answer questions
- Get feedback on community views

# Meeniyan Sewerage Scheme



## Short History of Meeniyan Sewerage

Waste water problems long recognised

- ⇒ Many existing septic tank systems not adequate
- ⇒ Existing block cannot contain septic tank effluent
- Consultants' reports from 1990
- Public meetings – overwhelming support for sewerage – 86%
- Shire lobby Department of Sustainability and Environment (DSE)
- DSE priority town
- Sewering of Meeniyan Action Committee (SMAC) lobbied politicians
- SGW leads working group to implement reticulated waste water scheme at Meeniyan with Shire
- Scheme now approved
- Will be built by 2010

# Meeniyan Sewerage Scheme

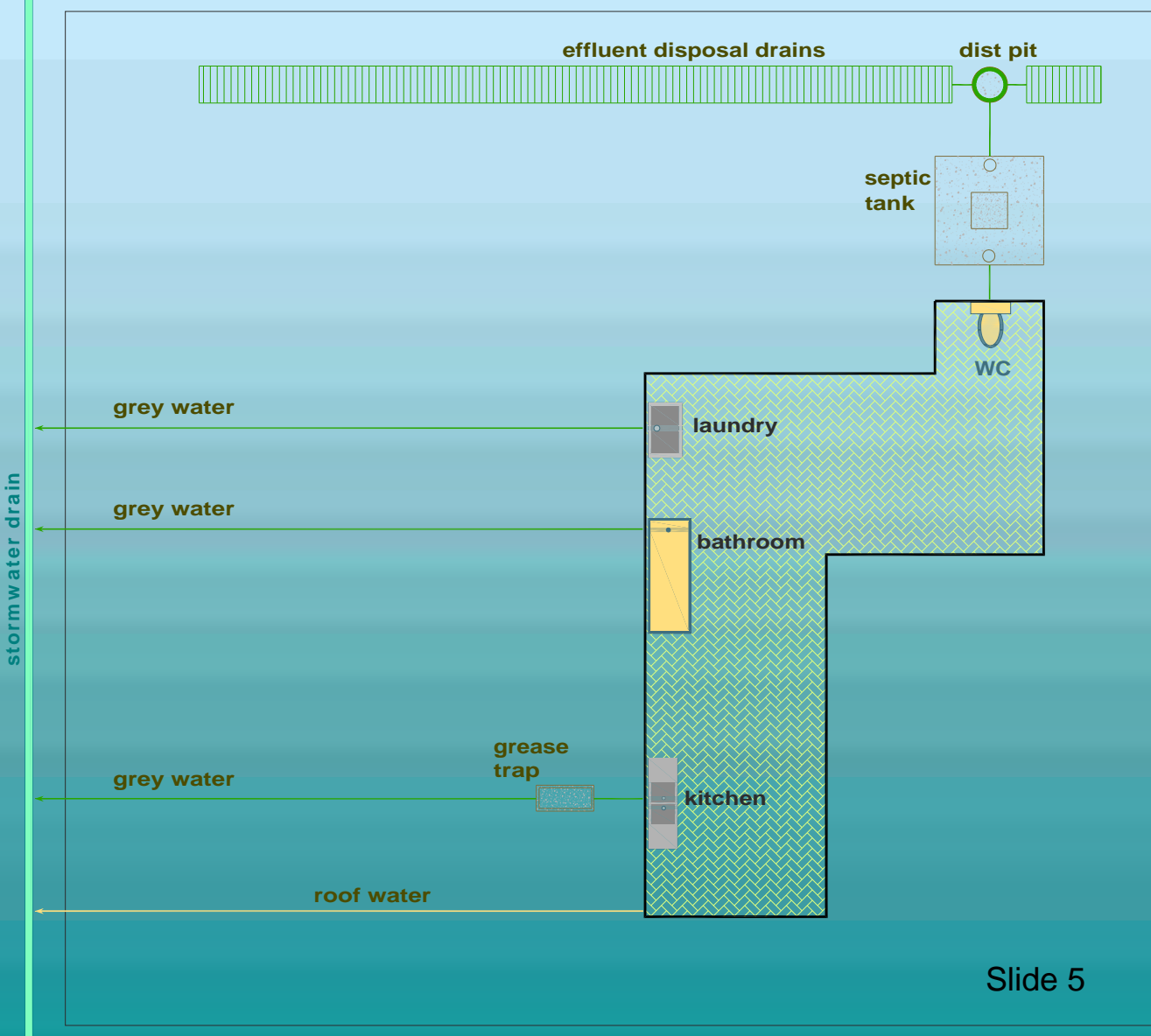
Aerial photo of Meeniyan



# Meeniyan Sewerage Scheme



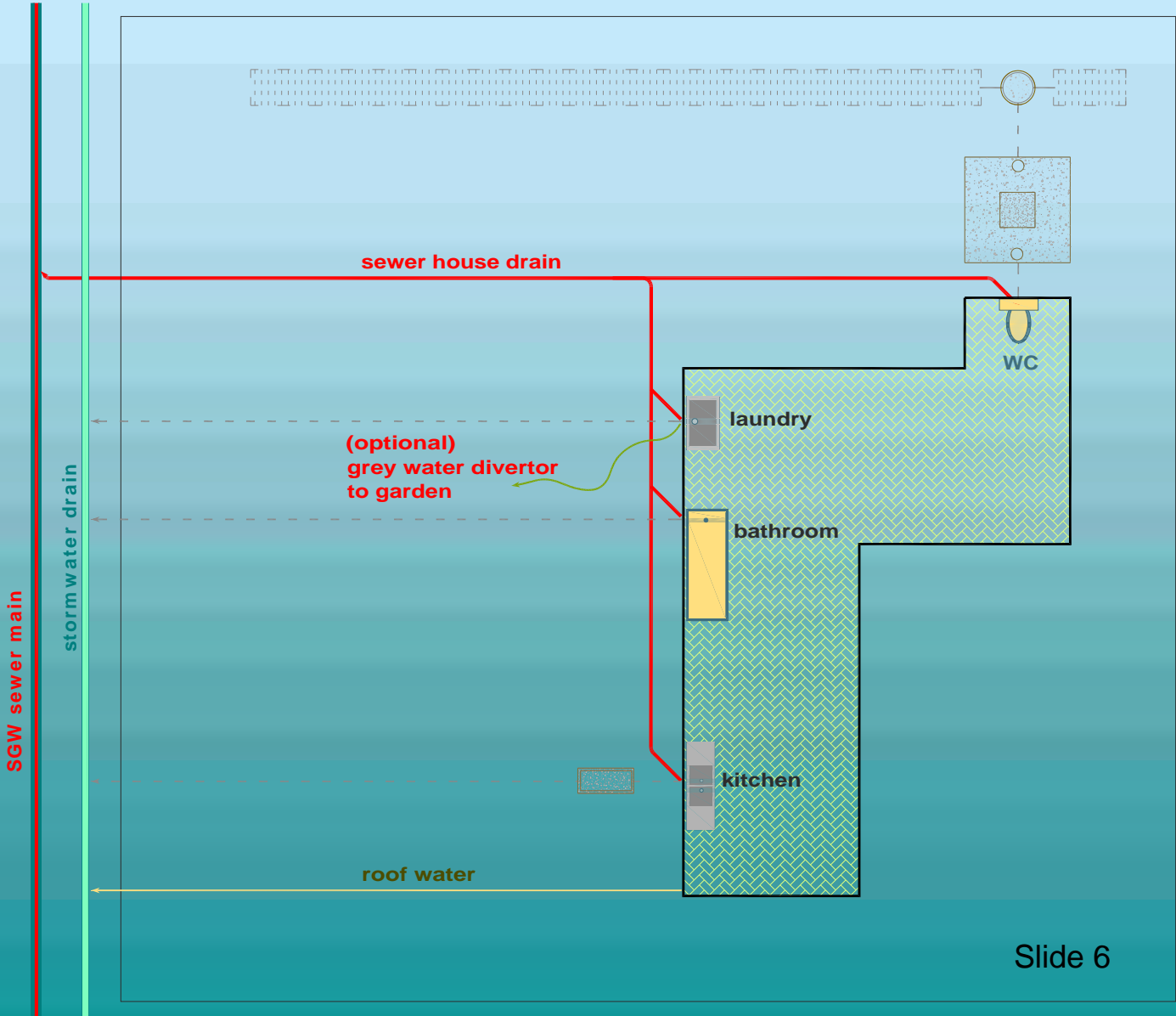
How a typical house in Meeniyan is plumbed now



# Meeniyan Sewerage Scheme



How a typical house in Meeniyan will be plumbed when the sewer is connected



# Meeniyan Sewerage Scheme



## Works Included in Scheme

- SGW will manage the installation of:
  - ⇒Sewerage reticulation pipes
  - ⇒Pumping station(s)
  - ⇒Rising main to treatment lagoons
  - ⇒Treatment lagoons
  - ⇒Wetlands
  - ⇒Re-use system

# Meeniyan Sewerage Scheme



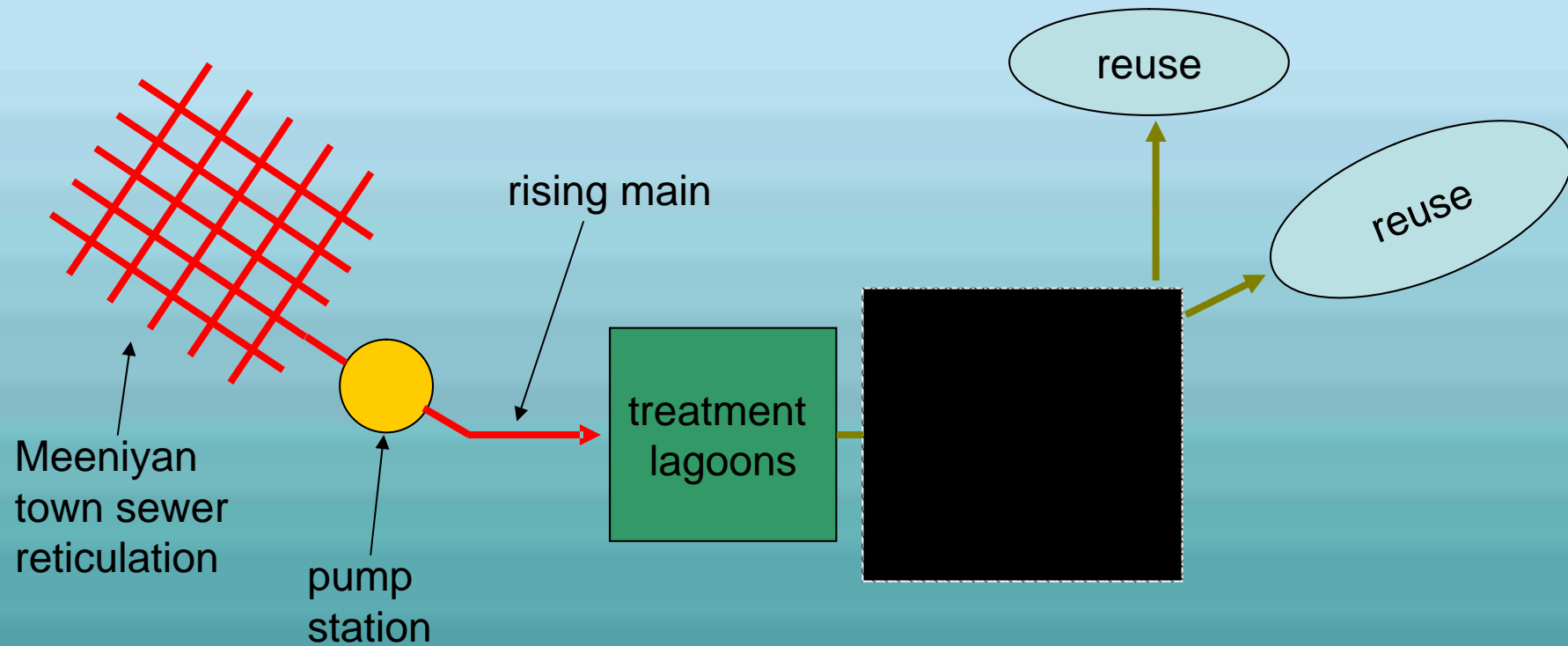
## Alteration to House Plumbing Required

### At owner's cost

- ⇒ Connect to sewer
- ⇒ Decommission septic tank
- ⇒ Decommission grease trap

# Meeniyan Sewerage Scheme

## System Schematic



# Meeniyan Sewerage Scheme



## Innovations

- Innovations identified in conceptual development
  - ⇒ Water efficient shower roses
  - ⇒ (Optional) grey water diverters – laundry to garden
  - ⇒ Phosphorus reduction using identified laundry powders
  - ⇒ Involve SMAC to help householders to connect
  - ⇒ Minimise construction costs – minimum pipe depths
  - ⇒ Simple, natural, robust treatment through lagoons & wetlands
  - ⇒ Re-use on Stony Creek racecourse, oval & pony club

# Meeniyan Sewerage Scheme



## Wetlands – Conceptual development

- ⇒ Relatively low cost
- ⇒ High grade effluent
- ⇒ Adjacent to rail trail for public access
- ⇒ Close to town
- ⇒ Replace previously drained natural swamps
- ⇒ Enhanced local ecology

# Meeniyan Sewerage Scheme



## Funding

⇒ State Government	\$575,000
⇒ Householders (220 @ \$800)	\$176,000
⇒ SGW contribution	\$4,149,000
⇒ Estimated scheme total cost	<u>\$4,900,000</u>

# Meeniyan Sewerage Scheme



## Property Owners' Contribution

- ⇒ \$800 payment as one off lump sum or \$80 pa for 20 years
- ⇒ Pipe alterations on property
- ⇒ Decommission septic tank & grease trap
- ⇒ Prompt connection to sewer
- ⇒ Fit water efficient shower roses
- ⇒ General water efficient appliances & practices
- ⇒ Use of low phosphorus laundry powders

# Meeniyan Sewerage Scheme



## Department of Human Services

Water & sewerage connection - Hardship Relief Grant Scheme  
for people who:

- ⇒ Hold eligible concession card
- ⇒ Have low household income
- ⇒ Are experiencing extreme financial hardship
- ⇒ Own their home

# Meeniyan Sewerage Scheme



## Timetable

### •October 2007 – June 2008

- ⇒Community feedback, detailed design, including further householder consultations
- ⇒Treatment facilities land purchase,
- ⇒Invite tenders

### •July 2008 – December 2009

- ⇒Let tenders & construct

### •December 2009 – December 2010

- ⇒Commission scheme & connect properties

# Meeniyan Sewerage Scheme



Questions / Comments

# Meeniyan Sewerage Scheme



Thanks for your attendance, interest, questions & comments.

## Ongoing communication

- Newsletters
- Via SMAC
- Direct communication with our Customers Service Department

We look forward to working with the Meeniyan Community to sewer the town.

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