



# Los Osos Wastewater Project Phase 3 Lateral Connections and Septic System Reuse

**SOUTH BAY COMMUNITY CENTER**

AUGUST 29, 2016

**Mission Statement:** Public Works will be a valued community partner enhancing quality of life for our fellow county residents



# Lateral Connection Phase 3 Workshop

- ▶ Have your questions answered by County Staff and others
- ▶ Presentation
- ▶ Q&A at tables



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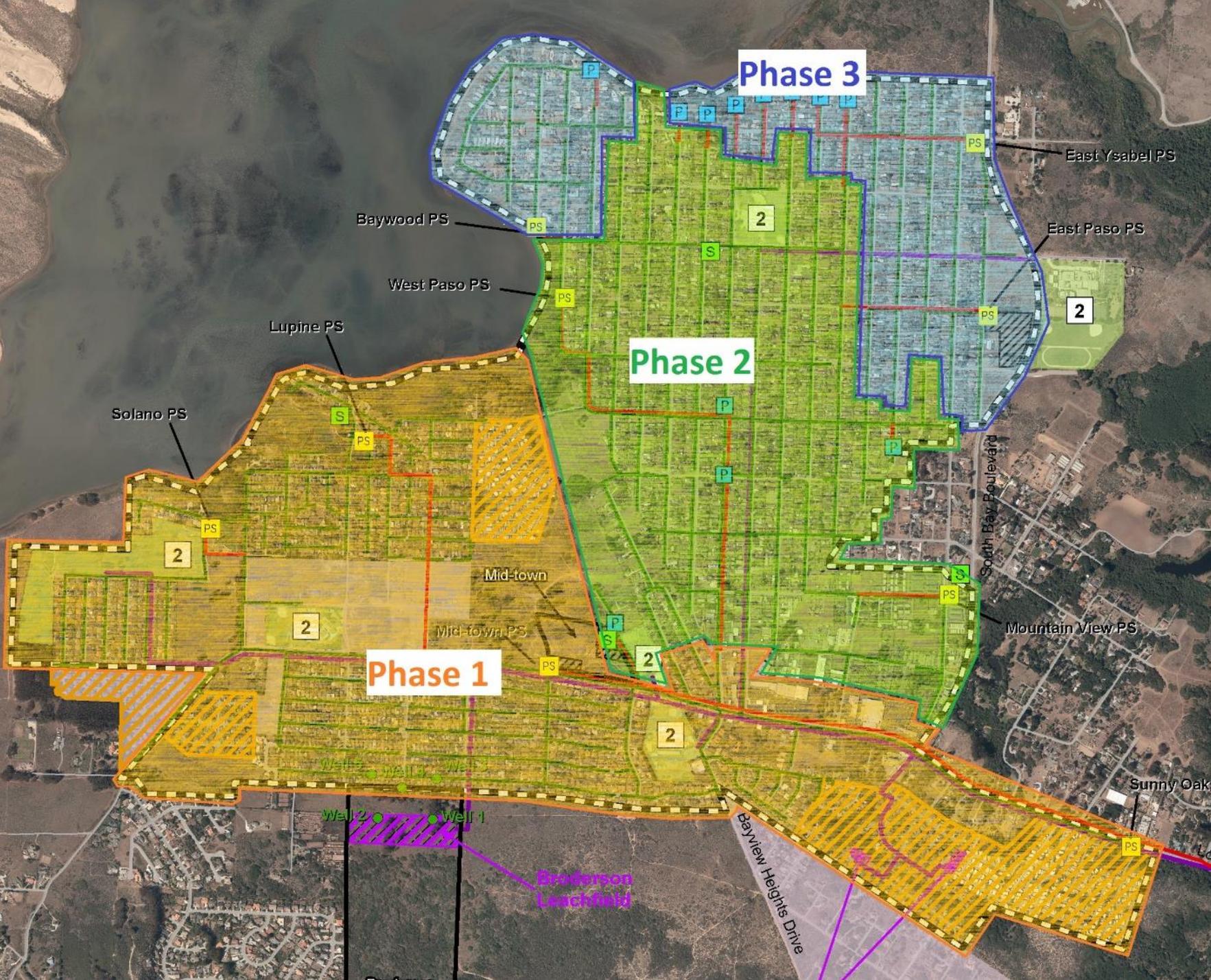


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**Phase 1:**  
Mar 28 – Sept 24

**Phase 2:**  
June 20 – Dec 17

**Phase 3:**  
Sept 19 – Mar 18



# Lateral Connection Details



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- ▶ Obtain quotes and hire contractor
- ▶ Contractor obtains permits per Building Code



# Lateral Connection Details



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- ▶ Install new pipe from house to property line
- ▶ New pipe inspected before connection
- ▶ Connect to sewer



# Lateral Connection Details



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- ▶ Decommission septic system
- ▶ Pump out septic tank
  - ▶ Abandon in-place or
  - ▶ Convert for reuse



# Septic System Abandonment



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- ▶ Pump tank and fill with sand or slurry



# Septic System Reuse

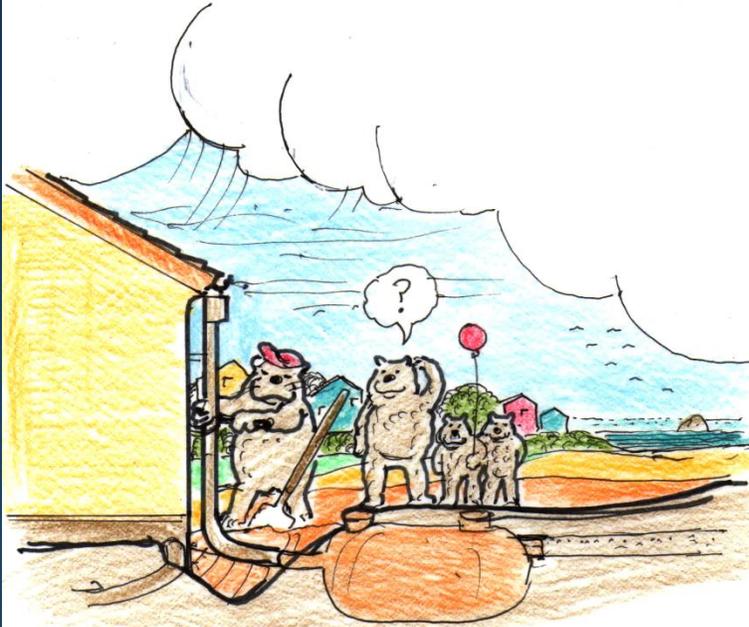
- ▶ Convert for reuse by sanitizing with bleach



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# Use That Tank!



Contents:

<b>WHY?</b> <i>A Brief History of Los Osos' Water</i>	1-2
<b>WHAT?</b> <i>Options For Reusing Your Septic System</i>	3
<b>HOW?</b> <i>Ways to Design &amp; Implement Your System</i>	10
<b>WHEN?</b> <i>Timing &amp; Sequence for the Reuse Process</i>	13
<b>HOW MUCH?</b> <i>Analyzing the Economics of Your Options</i>	15
<b>WHO?</b> <i>Information &amp; Consultation Resources</i>	back cover

## Beneficial Reuse of Your Septic Tank and Disposal Field

For the Community of Los Osos, California



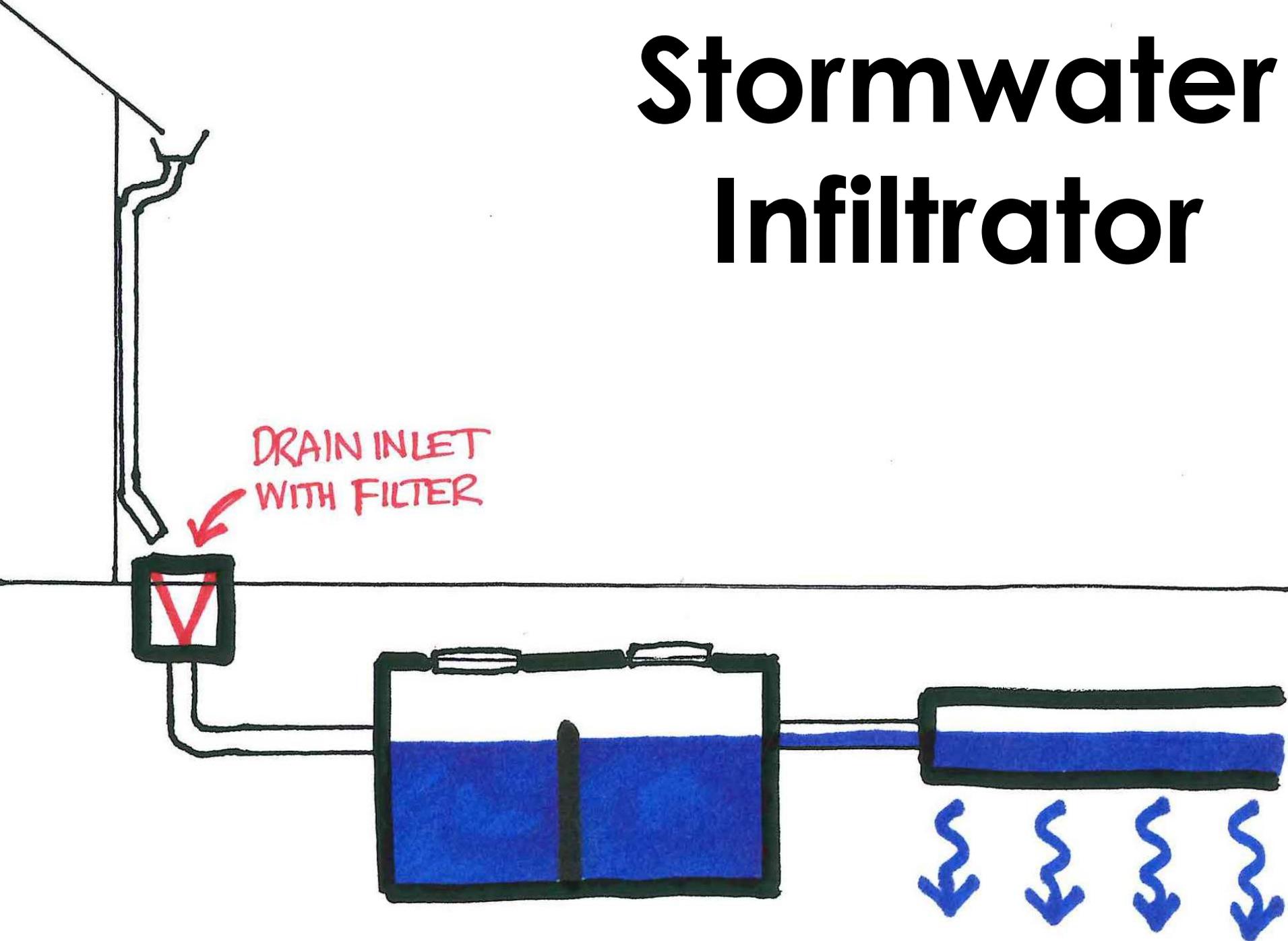
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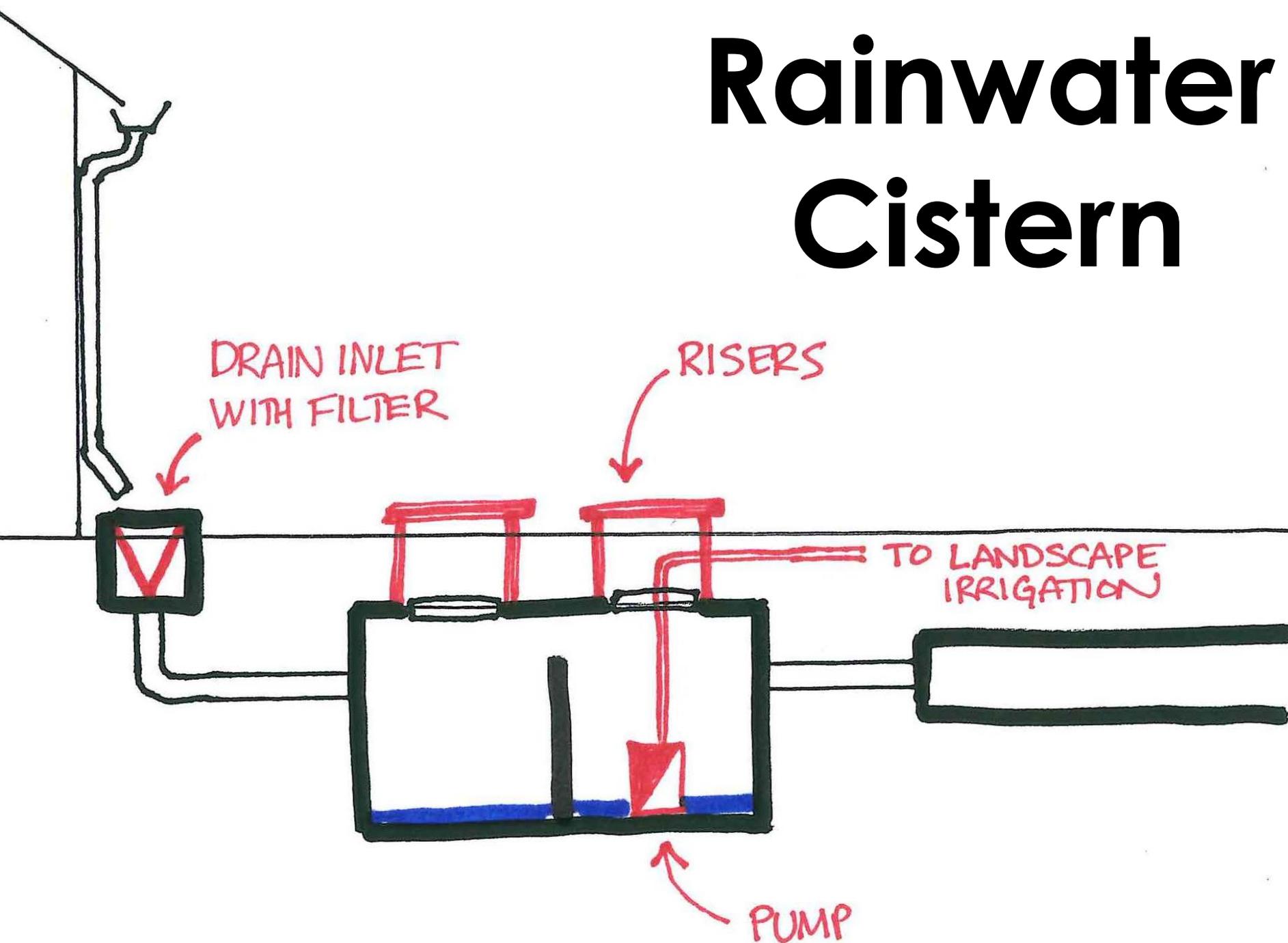
# Stormwater Infiltrator



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# Rainwater Cistern



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# Drain inlet at the downspout





# Inlet filter for water storage



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# Risers & lids for pump access



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# Submersible pump (portable)



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Home > Outdoors > Garden Center > Watering & Irrigation > Rain Barrels

Model # PTHo933 | Internet # 205845768

## 55 Gal. Blue Industrial Plastic Drum

★★★★★ (5) | Write a Review + | Questions & Answers (14) +



**\$69.99** /each

- Includes a sealed tight-head drum with 2 bungs
- Uses include rainwater collection, composting, hydropon
- BPA free, HDPE resin



### Ship to Home

Estimated Arrival: MAR 29 - MAR 31

[See Shipping Options +](#)



### Ship to Store FREE

Available for Pick Up: MAR 30 - APR 4

1

**ADD TO CART**

OR

Buy now with **PayPal**

[+]

Feedback

Item cannot be shipped to the following state(s)



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# 20 rain barrels



# slogreenbuild.org



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The screenshot displays the website's header with the SLO Green Build logo and the Central Coast Green Building Council logo. The main heading is "Appropriate Technology Guides". Below this, a paragraph states: "Application of appropriate technologies as described in these guides can improve our connection to water and maintenance of a healthy hydrologic cycle throughout San Luis Obispo and Santa Barbara Counties. Printed copies of the guides are available for purchase (shipping included). Digital copies are available for free (but donations are welcome)." Three guide covers are shown: "Harvesting the Rain" (Storage and Use, \$13.00), "Rainwater Management" (Low Impact Development, \$13.00), and "SAN LUIS OBISPO GUIDE TO THE USE OF GRAYWATER" (SOLD OUT, \$10.00).

- ▶ Rainwater use for toilet flushing
- ▶ Treated graywater
- ▶ Other combinations



# Project Cost Estimates



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<b>Cost Category (typical single family home)</b>	<b>Amount</b>
Assessment Charges (\$24,949 per home)	\$1,100/year
Service Charges – flat fee	\$450/year
Service Charges – usage fee (1¢ per gallon)	\$450/year
<b>Total Charges</b>	<b>\$2,000/year</b>
Lateral Connections	Typically ± \$3,000



# Financial Assistance

- ▶ USDA 504 Program (Grant)
- ▶ Lateral Connection Funding (Grant)
- ▶ Service Charges Assistance Program (20% Discount)
- ▶ Property Tax Postponement Program (Loan)
- ▶ PACE Program (Loan)



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# Water Conservation Program

## Required Retrofits



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Fixture Unit	Maximum Flow	Rebate Amounts
Toilets	1.6 gpf	\$250
Showerheads	2.0 gpf	\$40
Faucet Aerators – Residential	1.5 gpm	\$5
Faucet Aerators – Commercial	0.5 gpm	\$5
Urinals - Commercial	0.5 gpf	\$500



# Water Conservation Program

## Optional Retrofits



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Fixture Unit	Eligible Items	Rebate Amounts
1.6 gpf toilets	1.0 gpf	\$250
Clothes Washers – residential or commercial	Tier 3 Water Factor 4	\$150 plus up to \$50 PG&E and \$75 Gas Co.
Extra Alternative Measures	Needs prior approval	\$300
Lawn turf removal <a href="http://Saveourwater.com">Saveourwater.com</a>	Existing lawns	\$2/square foot



# Questions and Assistance

- ▶ Your contractor
- ▶ Weekly office hours
- ▶ Financial assistance options
- ▶ Water Conservation Rebates
- ▶ Website, call, or email County staff



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# Questions?

