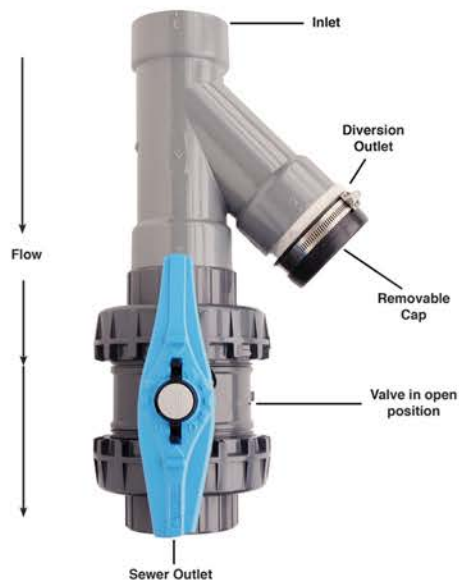




GreenSmart Series Stub-Outs

Product Information

3" - 4" Single Manual Diverter



2" 3-Way Manual Diverter



* Pipe & removable cap not included on all models.



ASTM D1784
ASTM D2466
ASTM D2467
ASTM D2464
ASTM F1498
ASTM F439
ASTM F437



ANSI B1.20.1
ANSI B16.5



IAPMO PS-59-2016a



Product Overview

In the State of California and much of the west, Greywater Ready Construction regulations are now being adopted for residential and non-residential construction.

Graywater Ready, simply means that all new construction must have alternate piping installed at the time of construction to permit the discharge from clothes washers, showers, bathtubs, and bathroom/restroom wash basins to be used for a future graywater recycle or irrigation system. All graywater systems shall be designed with an Approved diverter valve to allow the user to direct the flow to the building sewer or the irrigation field. (California Plumbing Code 1502.1)

The point of diversion/Stub-out of graywater to the sanitary drainage system shall occur downstream of fixtures and traps and vent connections through an Approved diverter valve, (CPC 1502.2.3) and shall be accessible (as defined in Section 99.02.202) and provided with signage that is satisfactory to the Department.

The Diverter/Stub-out is installed in the open position to the sanitary sewer until the future irrigation/recycling system is installed.

Having dual plumbed, approved, accessible, fixtures and equipment installed at the time of construction allows for easy future connection of graywater irrigation and NSF 350 recycling systems.

GreenSmart has developed a range of IAPMO, UPC/IPC listed size options for builders and developers to comply with the new codes and regulations. GreenSmart Diverter and Stub-outs comply and are compatible with all current NSF 350 Systems.

GreenSmart Stub-Out Product Options

- 2" Manual Single PVC G22M-R, G22M-L
- 2" 3-Way Manual PVC GTKDBV108*
- 3" Manual Single PVC GVEEAV110*
- 4" Manual Single PVC GVEEAV111*

* Can be converted with actuator in the future. Ask your rep for details.

These Diverter/Stub-outs conform to all new Wastewater/Greywater Diversion Requirements for new Greywater Ready construction regarding non-potable water reuse, recycling, and irrigation. Check with the local AHJ.

Manufactured By IPEX

For more information and pricing contact



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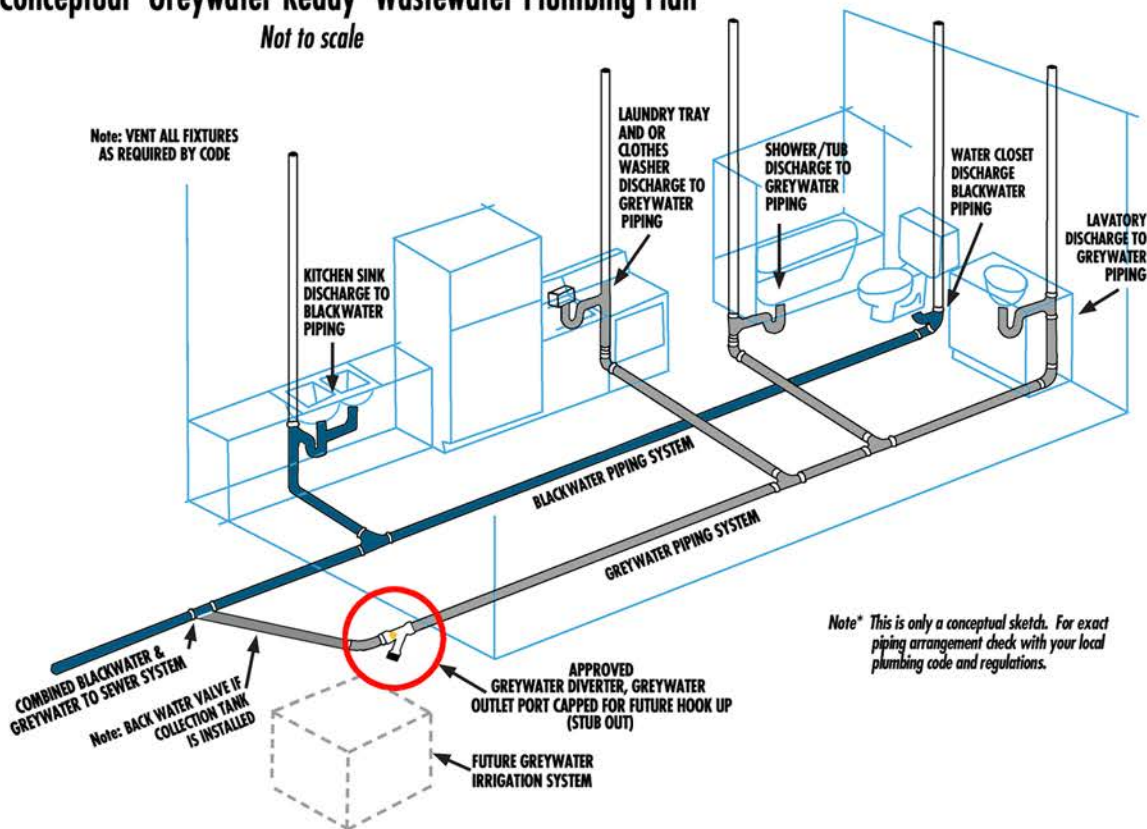


GreenSmart Series Stub-Outs

Plumbing Plan & Code Info

Conceptual "Greywater Ready" Wastewater Plumbing Plan

Not to scale



Greywater-Ready Construction Regulations

2015 Model Water Efficient Landscape Ordinance Guidance for local Agencies

- MWELO Graywater Systems (Section 492.15)
- www.water.ca.gov/wateruseefficiency/landscapeordinance

California Plumbing Code

- 1501.1.1 Allowable Use of Alternate Water
- 1502.0 Gray Water Systems
- 1502.2.2 Diversion
- 1502.13.2 Future Connections
- www.waterwisesb.org/uploadedFiles/waterwises-b/.../CPC-GW-RW-2016.05-A.pdf

Los Angeles County Department of Public Health

- Guidelines for Alternate Water Sources: Indoor and Outdoor Non-Potable Uses February 2016
- publichealth.lacounty.gov/eh/docs/ep_cross_con_AltWater-SourcesGuideline.pdf

Los Angeles Department of Building & Safety

- Ordinance #18248
- http://www.ladbs.org/docs/default-source/forms/green-build-ing-2017/water-conservation-ordinance-18248-residential.pdf

City & County of San Francisco

- Mandatory Use of Alternate Water Supplies in New Construction
- File # 150350, Ordinance # 109-15
- www.sfbos.org/ftp/uploadedfiles/bdsupvrs/ordinances15/o0109-15.pdf

Tucson Arizona. "Residential Graywater Ordinance"

- Ordinance # 10579
- https://www.tucsonaz.gov/files/water/docs/Gray_Water_Information_Guide.pdf

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