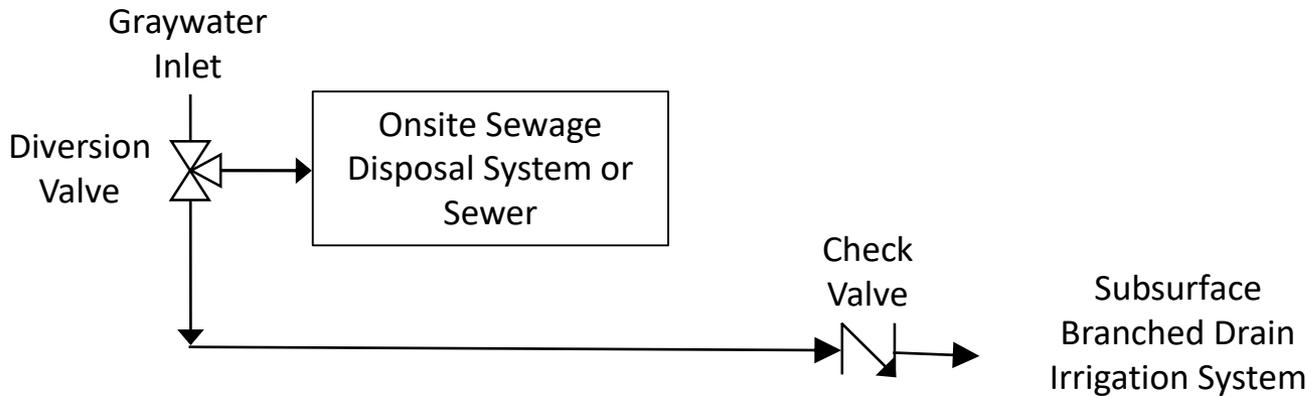


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Low-Flow Subsurface Branched Drain Irrigation System (Type 1 Graywater, Flow < 150 gpd)



Approvals, Limitations & Other Requirements :

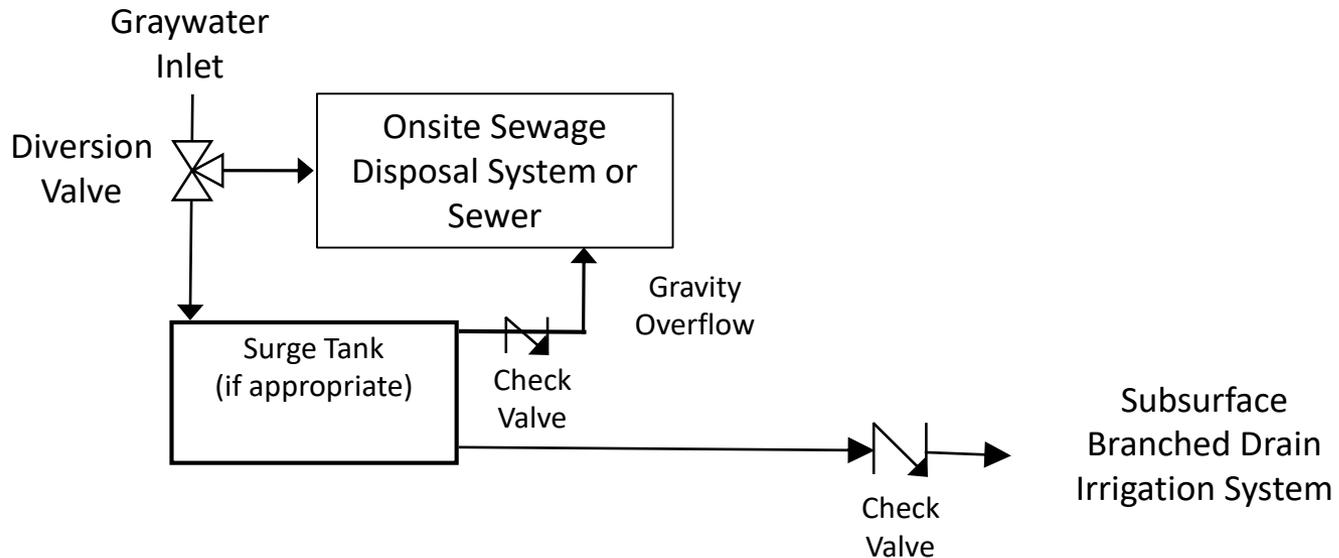
- Approvals:
 - Level 2 Construction General Permit for Irrigation System (Inspection may be waived by local approving authority)
 - Plumbing Permit & Inspection for Collection System
- Low-flow Irrigation System Design Plan
- Maximum of two separate systems with flow < 75 gpd each
- No pumps, No storage

Irrigation Standards:

- Gravity Flow
- Branched drain system
- Drain area plant uptake matches maximum daily graywater flow

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Higher-Flow Subsurface Branched Drain Irrigation System (Type 1 Graywater, Flow > 150 gpd)



Approvals, Limitations & Other Requirements :

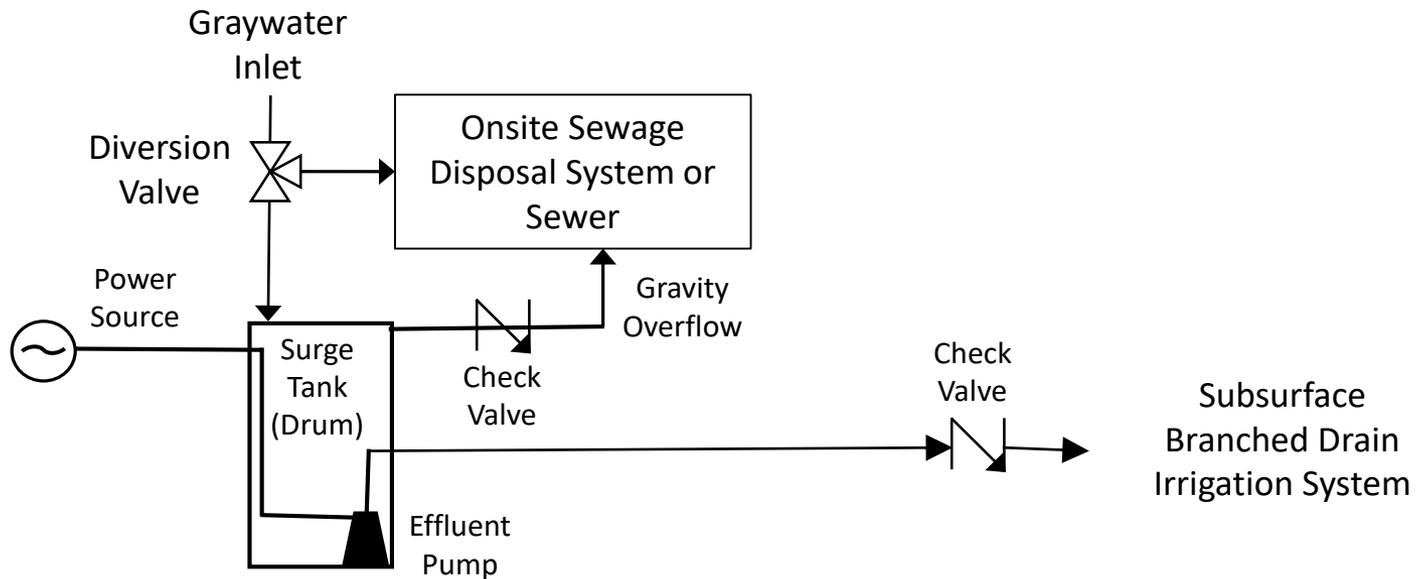
- Approval:
 - Level 2 Construction General Permit & Inspection for Irrigation System
 - Plumbing Permit & Inspection for Collection System
- Higher-flow Irrigation Design Plan
- No pumps, No storage (except surge tank), < 24-hour holding time

Irrigation Standards:

- Gravity Flow
- Branched drain system
- 0.5-inch effluent orifices
- Drain area plant uptake matches maximum daily graywater flow

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Drum & Effluent Pump Subsurface Irrigation System (Type 1 Graywater, Low Flow or Higher Flow)



Approvals, Limitations & Other Requirements :

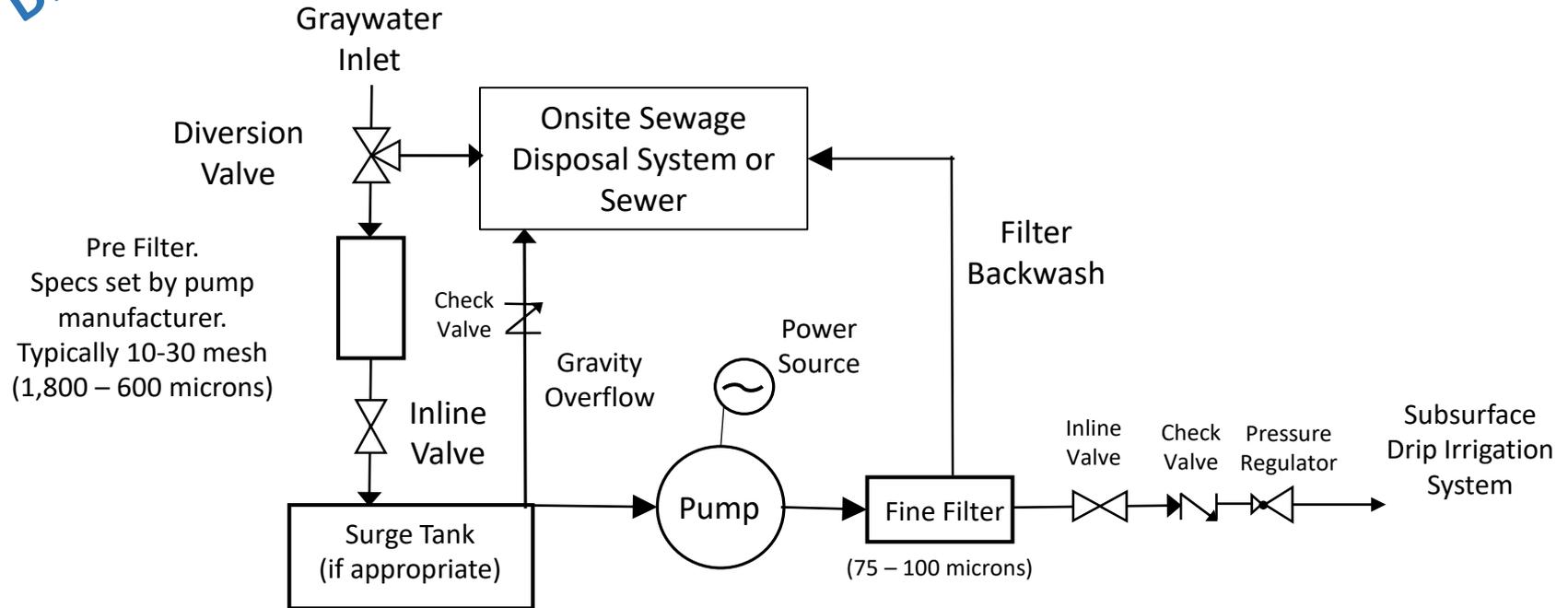
- Approval:
 - Level 2 Construction General Permit & Inspection for Irrigation System
 - Plumbing Permit & Inspection for Collection System
- Irrigation Design Plan
- No storage (except surge tank), < 24-hour holding time

Irrigation Standards:

- Branched drain system
- 0.5-inch effluent orifices
- Drain area plant uptake matches maximum daily graywater flow

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Subsurface Drip Irrigation System (Filtered Type 1 Graywater)



Approvals, Limitations & Other Requirements :

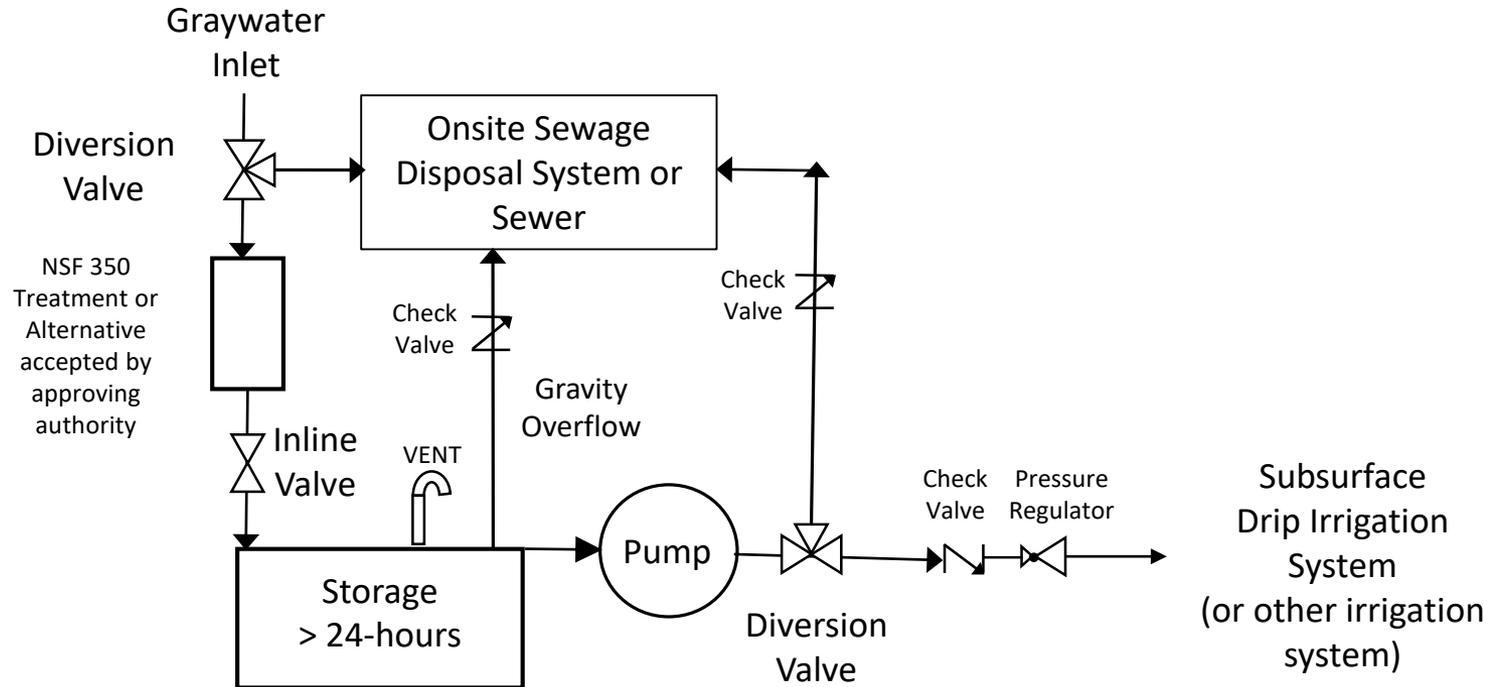
- Approval:
 - Level 2 Construction General Permit & Inspection of Irrigation System
 - Plumbing Permit & Inspection of collection and treatment systems
- Design Plan & Site Evaluation
- No storage (except surge tank), < 24-hour holding time

Drip Irrigation Standards for Filtered Type 1 Graywater:

- Drain area plant uptake matches maximum daily graywater flow
- 20 psi max pressure
- Root Inhibition: Chemical or Physical

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Subsurface Drip Irrigation System (Type 3 Treated Graywater with Storage)



Approvals, Limitations & Other Requirements :

- Approval:
 - Level 2 Construction General Permit & Inspection of Irrigation System
 - Plumbing Permit & Inspection of collection and treatment systems
- Design Plan & Site Evaluation

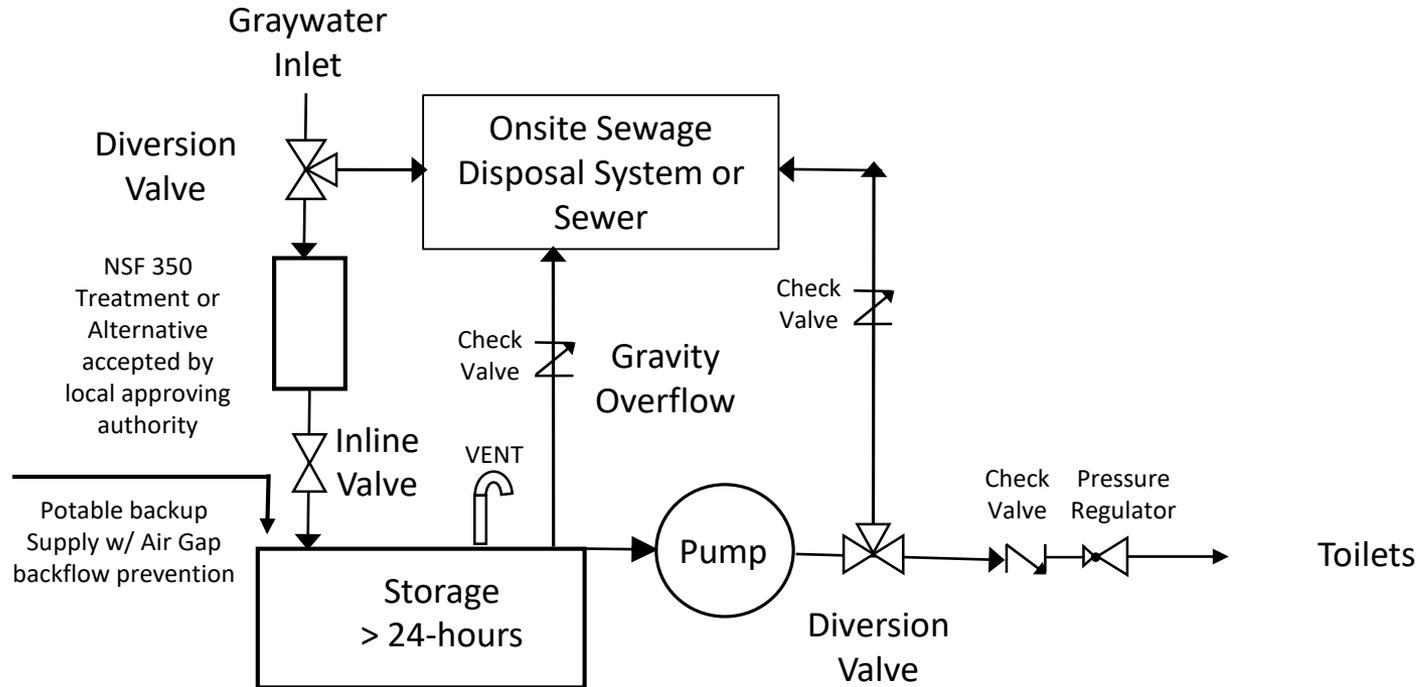
Drip Irrigation Standards for Type 3 Graywater:

- Drain area plant uptake matches maximum daily graywater flow
- 20 psi max pressure
- Root inhibition: Chemical or Physical

Supplement to Maryland Draft Graywater Regulation Ver 2, April 2020

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Single Residential Toilet Flushing (Type 3 Treated Graywater with Storage)

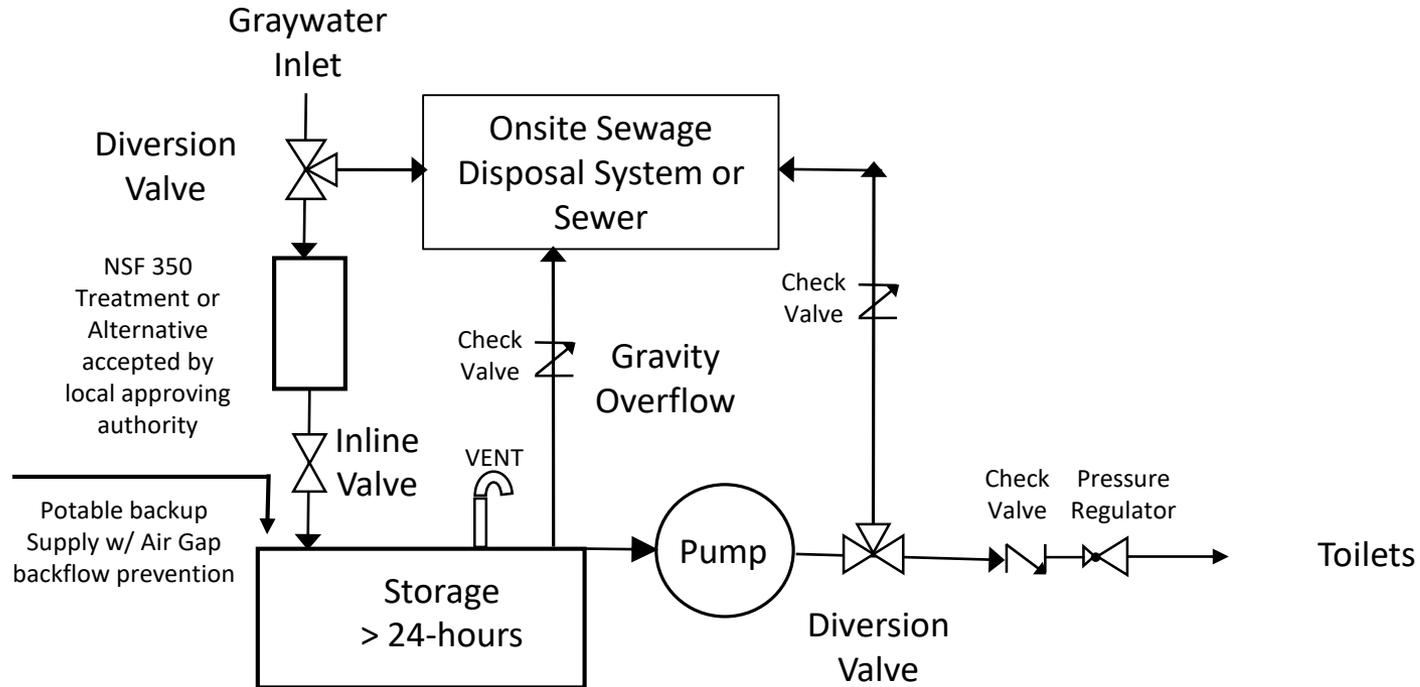


Approvals, Limitations & Other Requirements:

- Approval: Plumbing Permit & Inspection
- Registration with Approving Authority
- Land record

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Multi-Residential Toilet Flushing (Type 3 Treated Graywater with Storage)



Approvals, Limitations & Other Requirements:

- Approvals (Level 3):
 - Level 3 Construction permit and inspection
 - Operation Permit including 6-month field validation monitoring
 - Plumbing Permit & Inspection
- Qualified Building Manager
- Monitoring
- Reporting & Records keeping
- 5-year permit renewal

Supplement to Maryland Draft Graywater Regulation Ver 2, April 2020