

Septic System Failures

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Topics

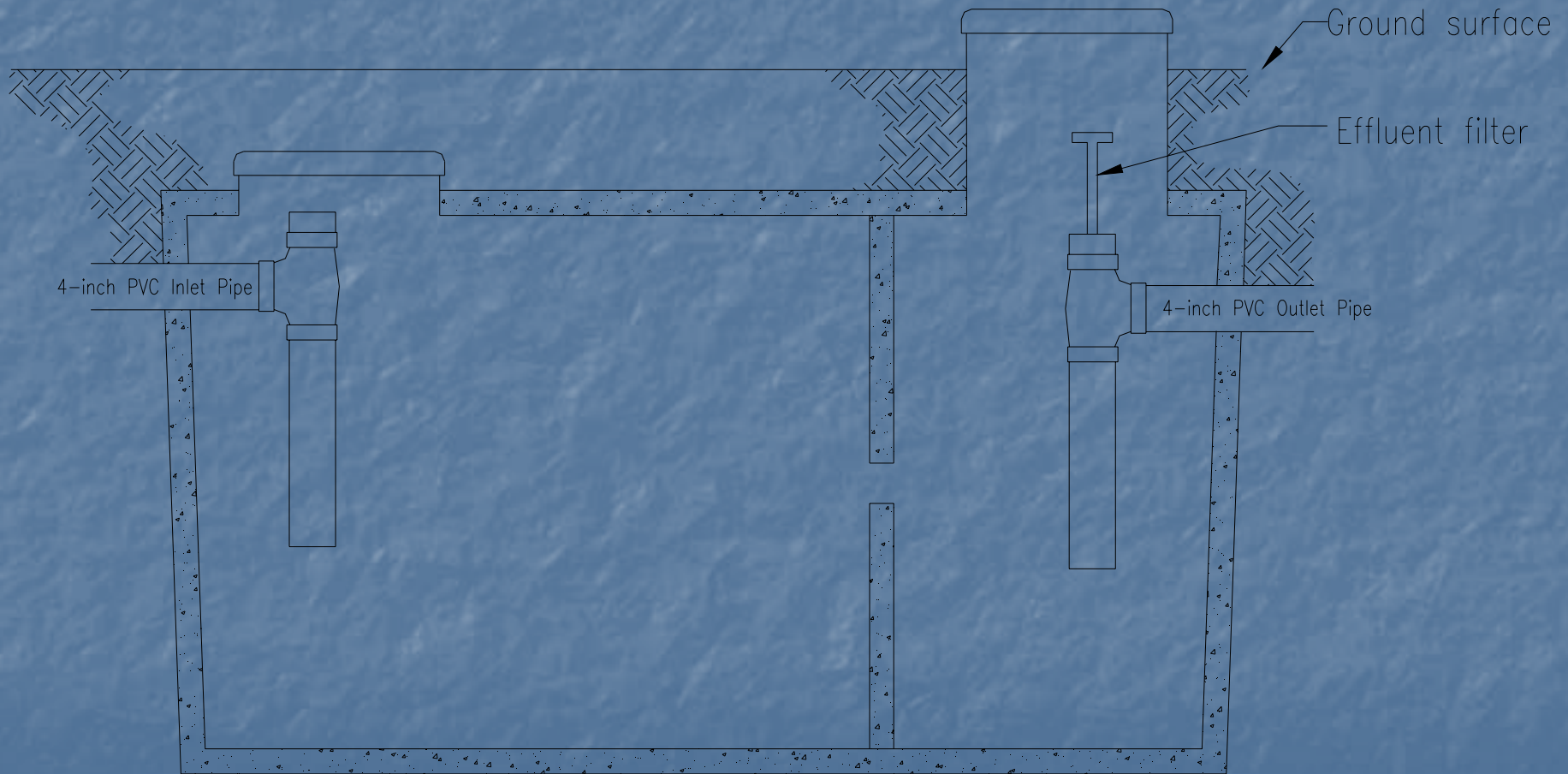
- Basic SSDS Components
- Failures
- Repairs
- Questions
- Contact Information

SSDS Components

Septic Tank

- Purpose = Remove solids from effluent
- Construction = mostly concrete
- Capacity ≥ 750 gallons
- Water-tight
- Dual compartment
- Outlet filter
- Inlet and Outlet Tees

Septic Tank

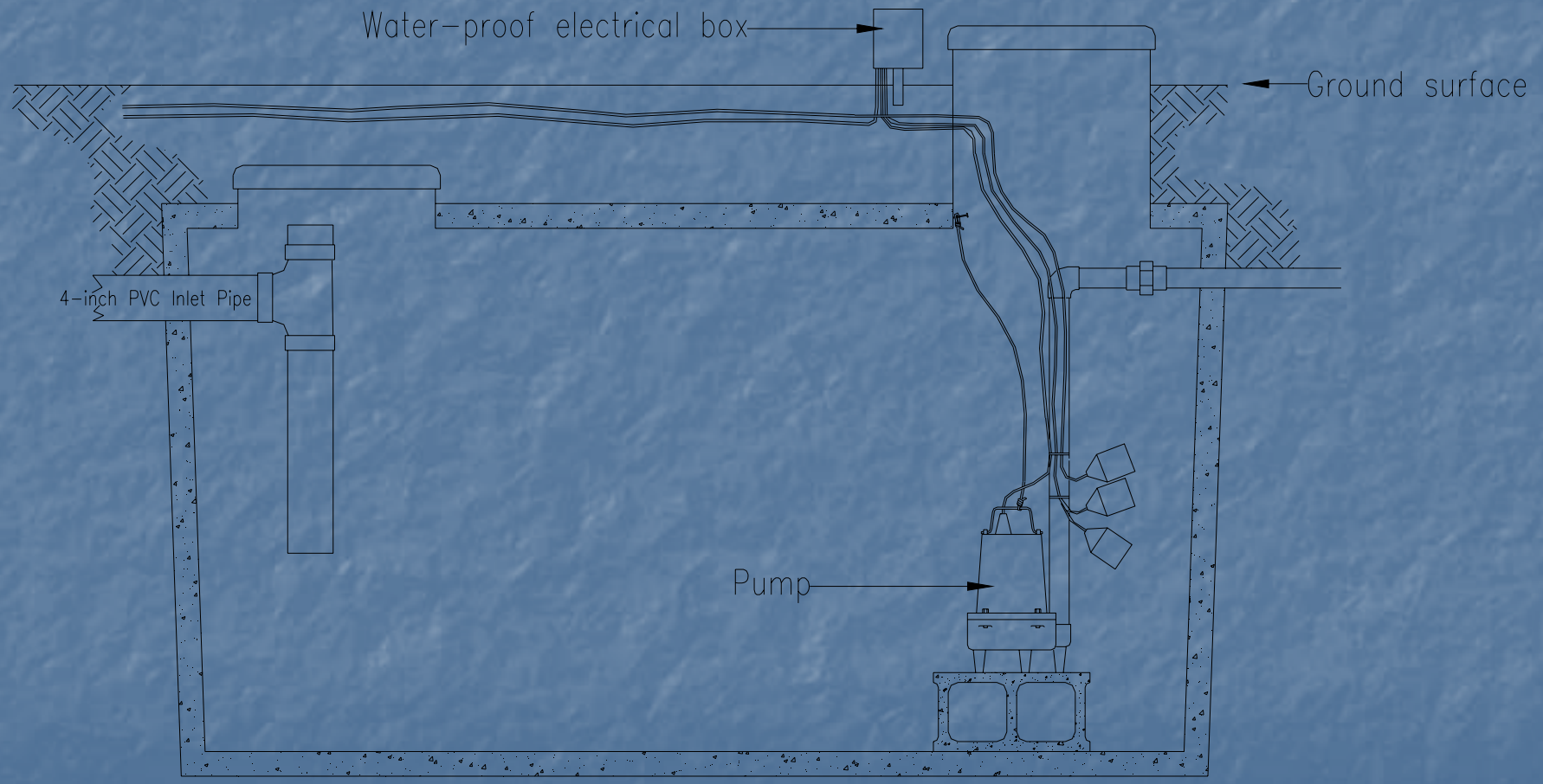


SSDS Components

Pump Chamber

- Purpose = House pump when absorption field is at a higher elevation.
- Construction = mostly concrete
- Capacity ≥ 750 gallons
- Water-tight
- Single compartment

Pump Chamber

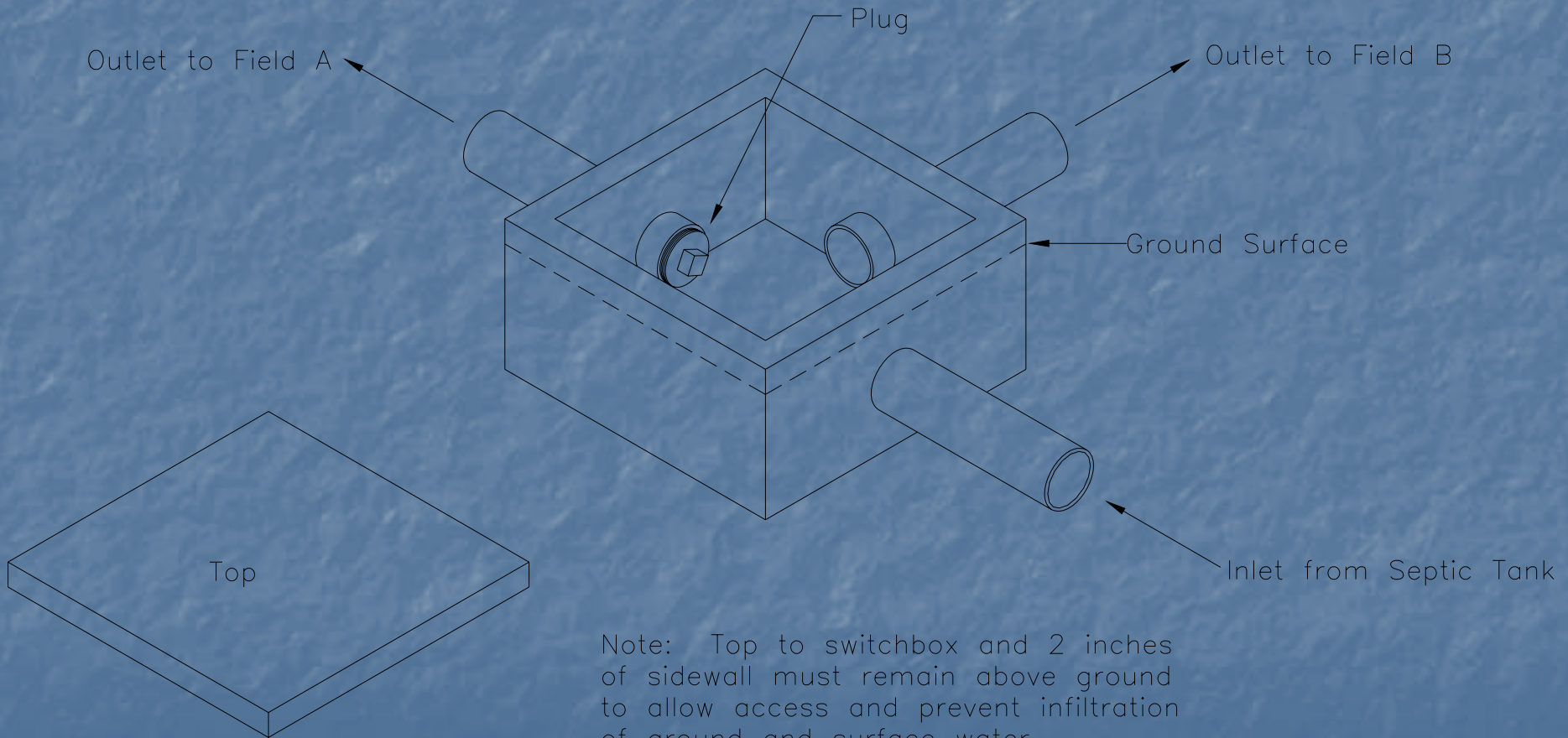


SSDS Components

Baffle Box or Switch Box

- Purpose = relieve pressure or redirect flow
- Construction = Concrete
- Size = 2' x 2' x ?
- Water tight
- At or near ground elevation

Baffle Box/Switch Box



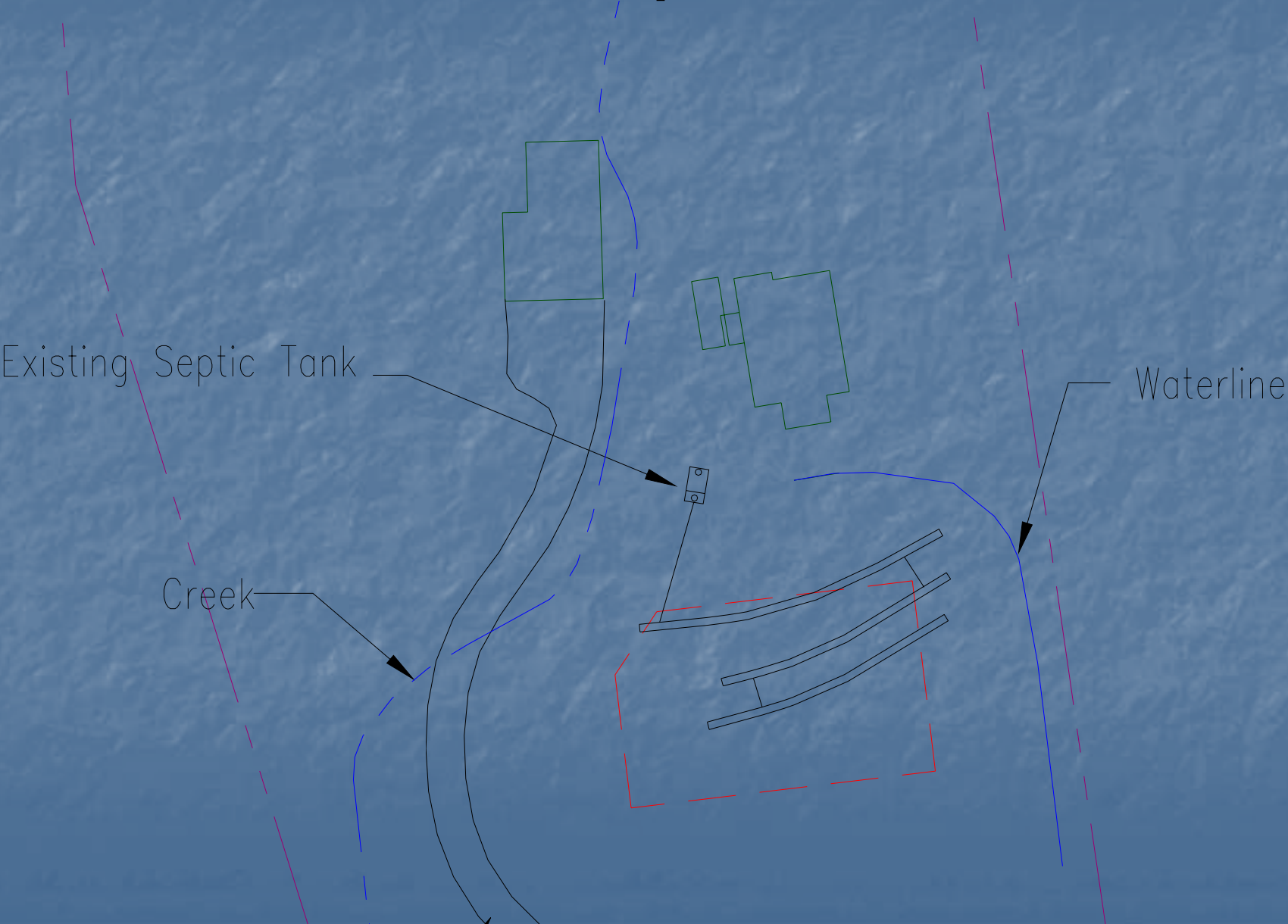
Note: Top to switchbox and 2 inches of sidewall must remain above ground to allow access and prevent infiltration of ground and surface water.

SSDS Components

Soil Absorption Field

- Purpose = Safely dispose of bacteria laden water
- Construction = Varies
 - Gravel filled trenches
 - Dug on existing contours
 - Corrugated ABS Pipe w/ small holes
 - Cross-Overs

Soil Absorption Field



Failures

Slow Drainage

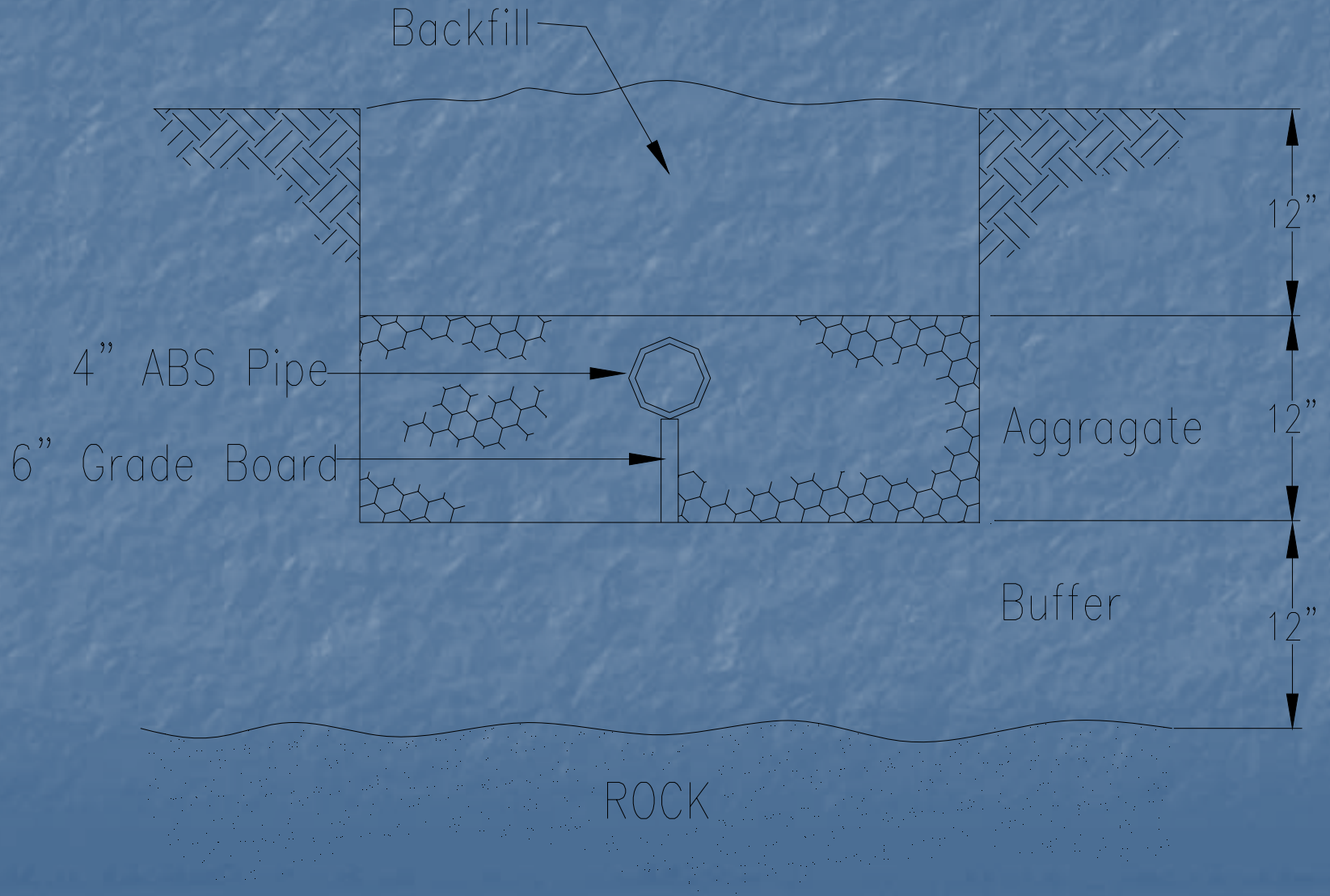
- Manifestation = Sewage back-up inside
- Causes:
 - Poor maintenance
 - Damage
 - Tree roots
 - Saturation of soil absorption field
 - Insufficient soil permeability

Failures

Sewage Outcrop

- Manifestation = Wetness, dampness, and/or odor on ground surface near SSDS component
- Causes:
 - Illegal waste lines
 - Soil disturbance
 - System damage
 - Saturation of soil absorption field
 - Insufficient soil permeability

Buffer to Rock



Repairs

- Connect to Sewer
- Improve maintenance
- Remove blockage
- Repair damaged components
- Abandon soil absorption field
- Pump & Haul = \$\$\$\$\$
- Vacate

Questions?

Contact Info

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