

Saline Waste Water Treatment Plant Equipment Status Report



Form Revised 03 / 15 / 2021

Equipment/Process/Resource	Status	Timeline
Influent and Grit Removal	Yellow	Twelve to thirty-six months
Comments: Yellow - Install automatic bar screen rake to reduce influent backup and surge Yellow - Replace influent pumps		
Primary Clarifiers	Green	Three to six months; ongoing
Comments: Green - Regular maintenance and cleaning; target cleaning of internal components in summer 2021 Green - Sludge pump packing replaced		
RBCs	Green	Ongoing
Comments: Green - Regular maintenance and cleaning		
Secondary Clarifiers	Red	One to six months
Comments: Red - Installation of secondary sludge pump and replacement of malfunctioning valves Yellow - Completion of sludge and scum line cleaning Green - North clarifier sludge line cleaned		

Status Key

Red: Not operating to design standards; significant improvements/repairs needed
Yellow: Operating but not to optimal standards; issue has been identified and/or plan in place
Green: Operating as designed

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Equipment/Process/Resource	Status	Timeline
Digestors	Red	One to twenty-four months
Comments: Red - Electrical repairs in progress on flare, dehumidifier/chiller Red - Valve replacement scheduled as part of sludge pump project Red - Overflow line cleaning Yellow - Replace existing cover		
Septic Holding	Green	Ongoing
Comments: Green - Regular maintenance and cleaning		
Bioscrubbers and Odor Control	Yellow	Six to eighteen months
Comments: Yellow - Weatherization project for bioscrubber (heat trace, repair cracked cap) and re-acclimate organisms Green - Boiler/heat exchange repaired and air handler functioning properly Yellow - Consider cover on secondary clarifiers (odor control)		
Tertiary Filters and UV	Yellow	Six to eighteen months
Comments: Yellow - Enhanced cleaning and maintenance of nova filters required until solids can be reduced through improvements to processes earlier in the system Green - All mechanical elements functioning as designed		

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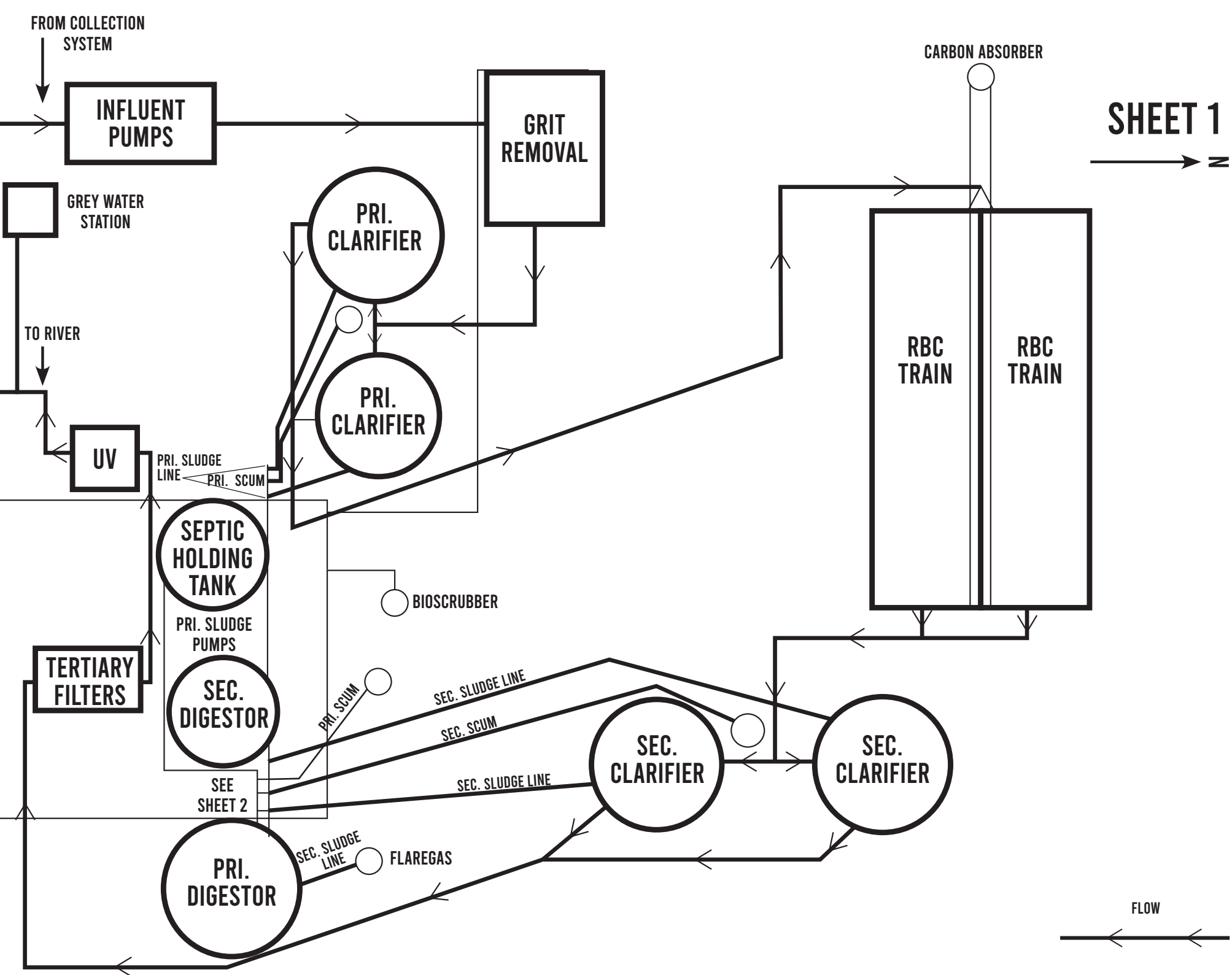
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Equipment/Process/Resource	Status	Timeline
Human Behavior	Yellow	Three to six month
Comments: Yellow - Launch a public awareness campaign to improve education on how to reduce strain on existing systems.		
Effluent	Green	Ongoing
Comments: Green - Currently meeting NPDES permit standards for effluent Yellow - Consider installation of additional chemical feed points for phosphorus removal		
Additional Comments: <p>Updates to this report will be provided monthly. Future iterations are expected to include information related to pump station status. A similar report may be created to report on Water Treatment Plant activities and associated wells.</p> <p>This report is intended to be a public facing document and does not contain an engineering level of detail for the projects described. Additional questions may be directed to City Manager O'Toole at cotoole@cityofsaline.org.</p>		

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SHEET 2

**BIRDS EYE VIEW*



WALL

SEC.
SLUDGE

PRI.
SCUM

SEC.
SCUM

SEC.
SLUDGE

TO
FLOOR
DRAIN

FROZEN
VALVE

TO OVERFLOW LINE

SEE
SHEET 3

UP

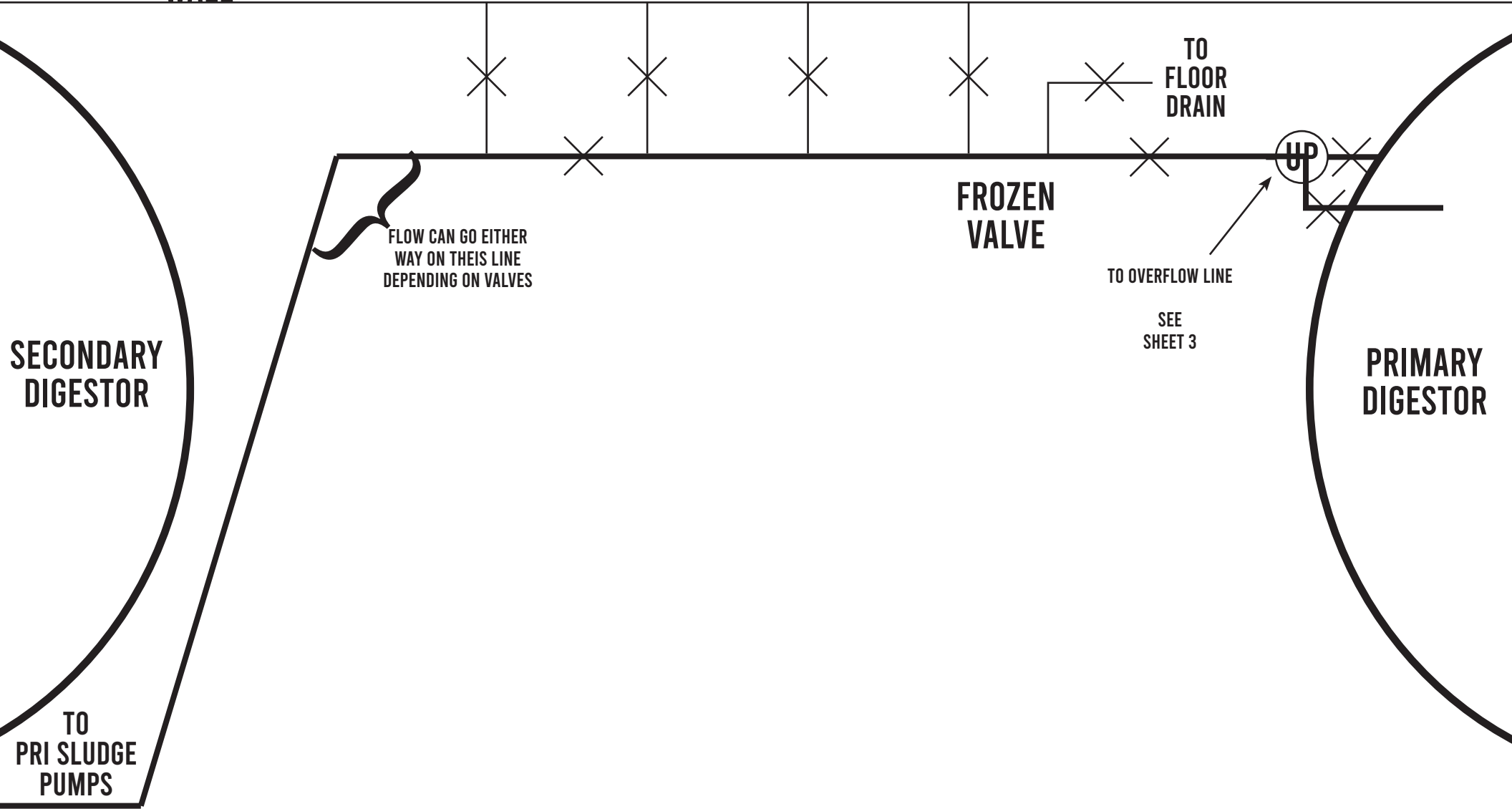
PRIMARY
DIGESTOR

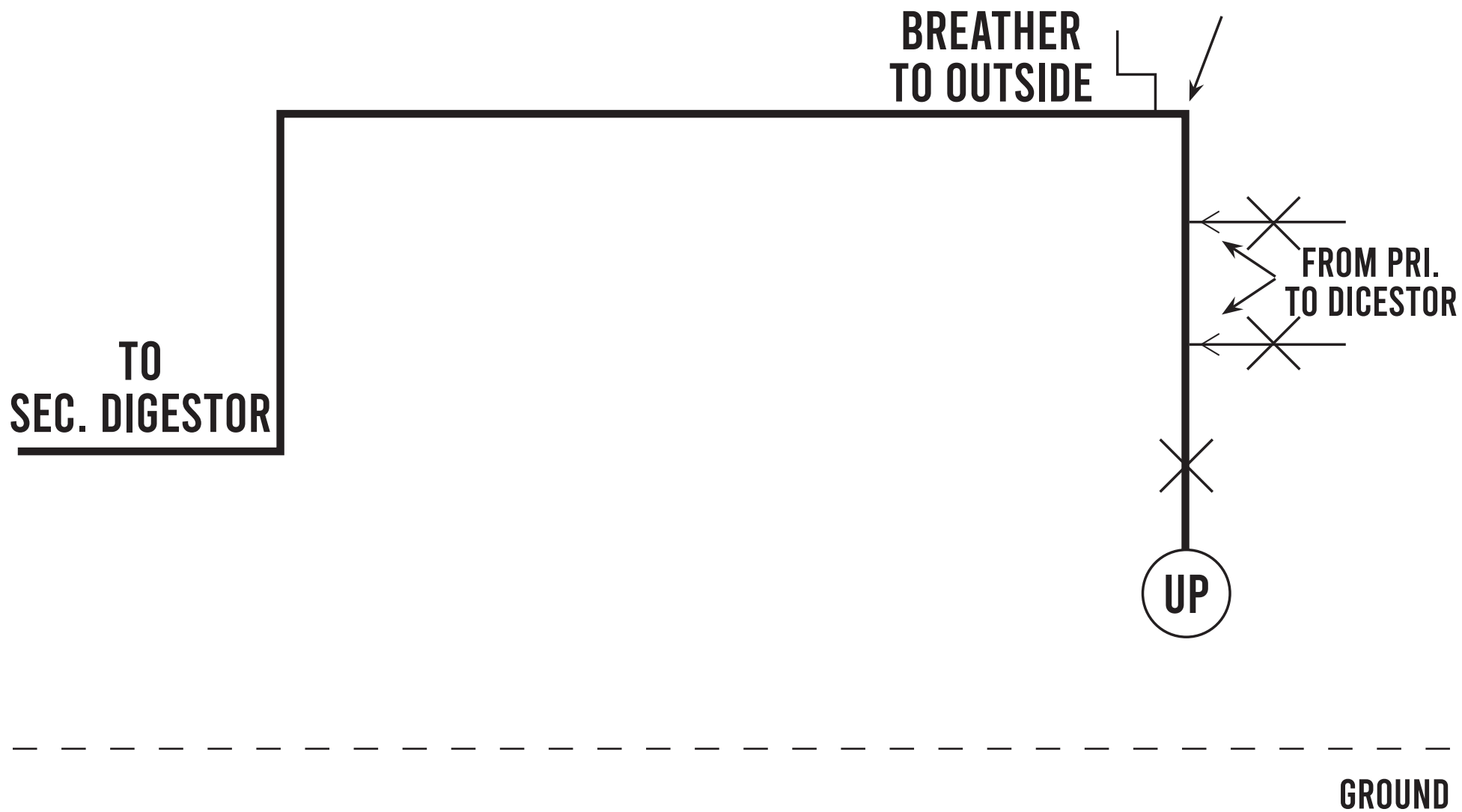
SECONDARY
DIGESTOR

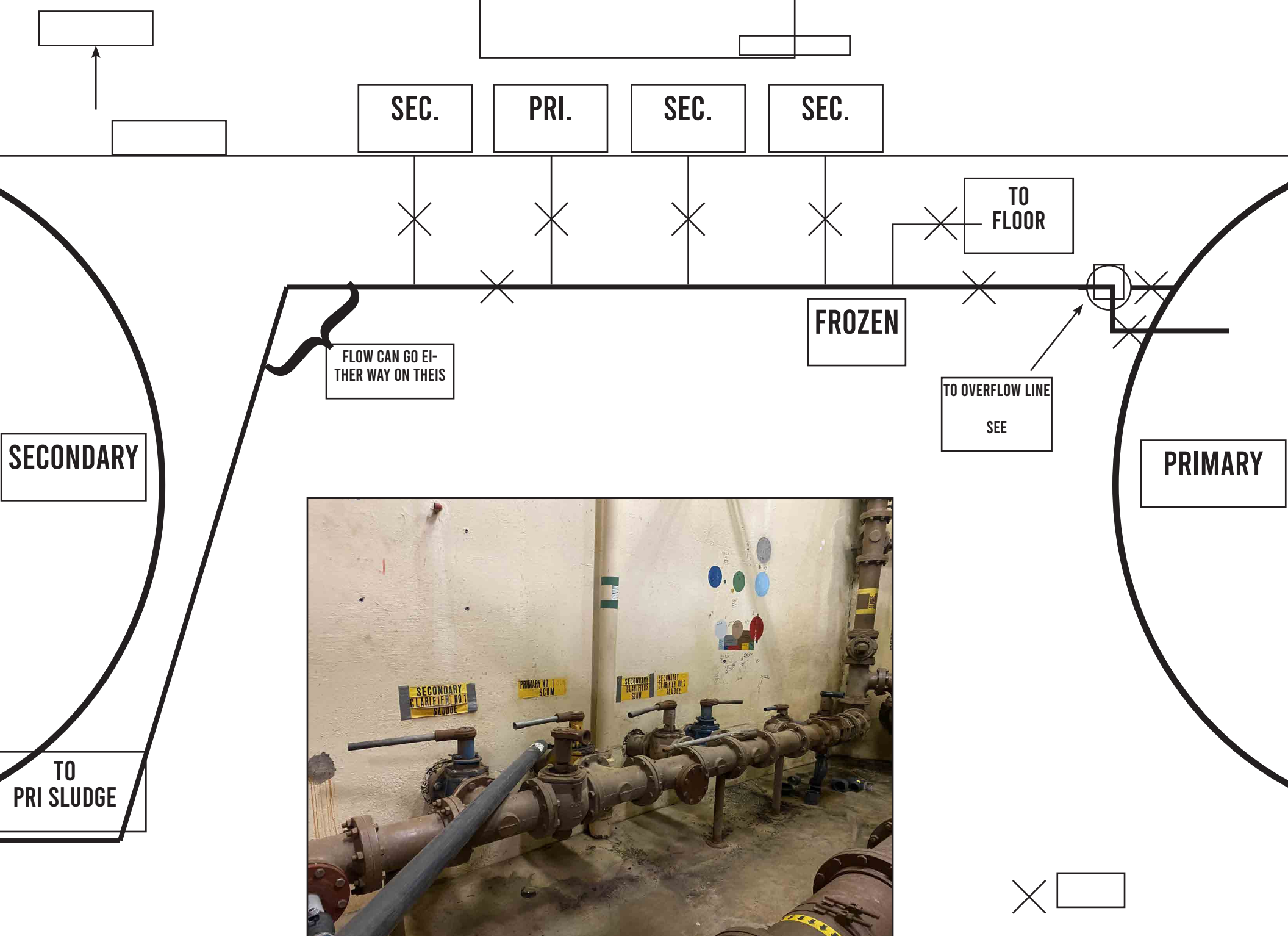
TO
PRI SLUDGE
PUMPS

FLOW CAN GO EITHER
WAY ON THEIS LINE
DEPENDING ON VALVES

✕ VALVE









**BREATHER
TO OUTSIDE**

**TO
SEC. DIGESTOR**

