

# Saline Waste Water Treatment Plant Equipment Status Report



Form Revised 04 / 19 / 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	Yellow	One to six months
Comments: Yellow - Contractor selected for secondary sludge pump and valve repair Green - Secondary sludge and scum line cleaning completed Yellow - Consider cover for secondary clarifiers (possible Phase I)		

## 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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Digestors	Red	One to twenty-four months
Comments: Yellow - Electrical repairs completed on flare, repairs pending on dehumidifier/chiller Red - Valve replacement scheduled as part of sludge pump project Red - Overflow line cleaning Yellow - Replace existing cover		
Sludge Holding	Green	Ongoing
Comments: Green - Regular maintenance and cleaning Yellow - Planned installation of enclosures over sludge storage tank and implementation of new procedures to keep the tanks sealed on a more frequent basis		
Bioscrubbers and Odor Control	Yellow	One to four months
Comments: Yellow - Weatherization project for bioscrubber; on-site visit scheduled to re-acclimate organisms for odor control; repair of non-potable water pump Green - Boiler/heat exchange repair and air handler functioning		
Tertiary Filters and UV	Yellow	Ongoing
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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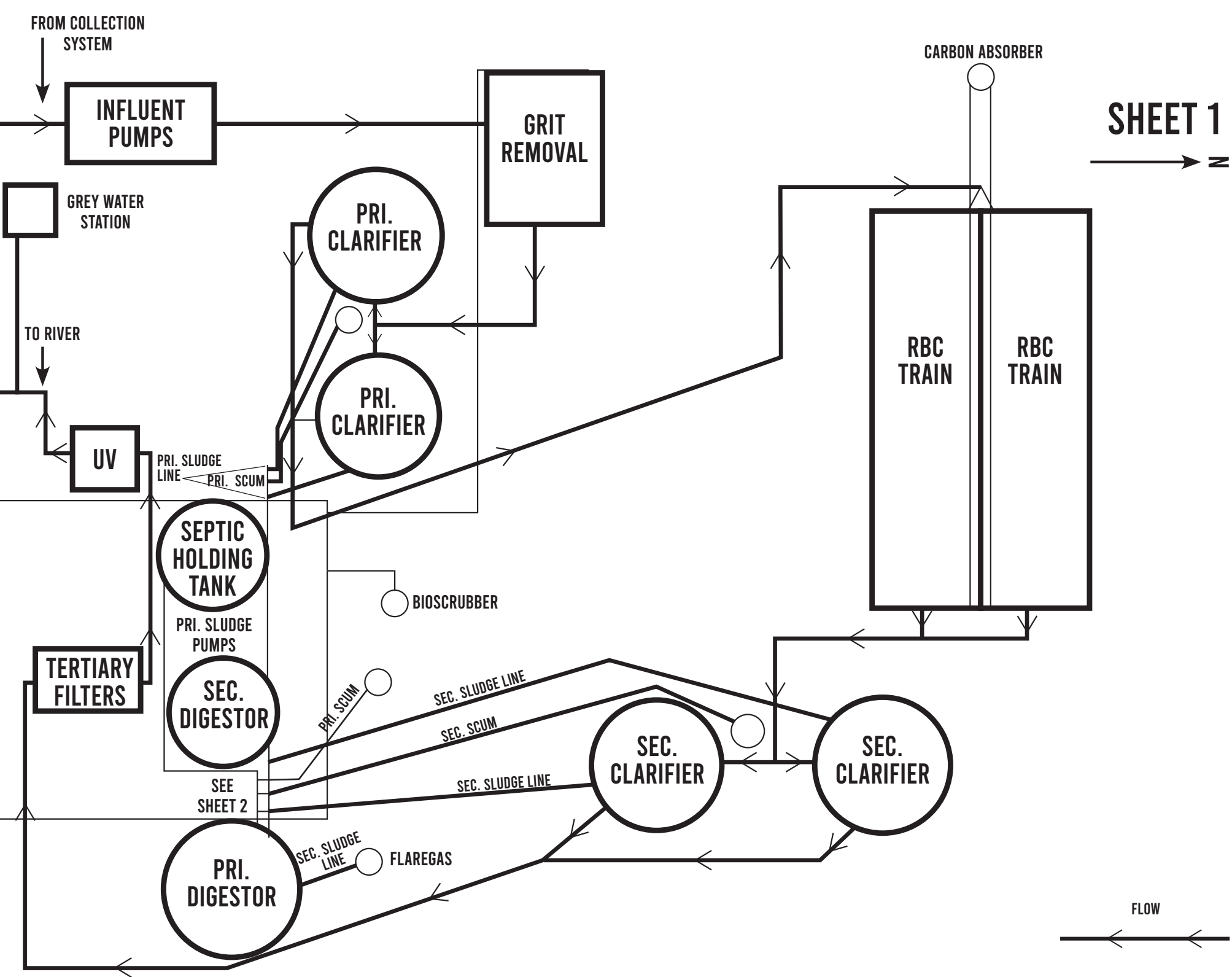
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Human Behavior	Yellow	Three to six month
Comments: <p>Yellow - Launch a public awareness campaign to improve education on how to reduce strain on existing systems.</p> <p>Green - Created citizen odor complaint survey to track time, location, conditions of peak odor</p>		
Effluent	Green	Ongoing
Comments: <p>Green - Currently meeting NPDES permit standards for effluent</p> <p>Yellow - Planned installation of additional chemical feed points for phosphorus removal</p>		
Additional Comments: <p>Updates to this report will be provided monthly.</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 <a href="mailto:cotoole@cityofsaline.org">cotoole@cityofsaline.org</a>.</p> <p>NOTE: The City does not receive outside septic.</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

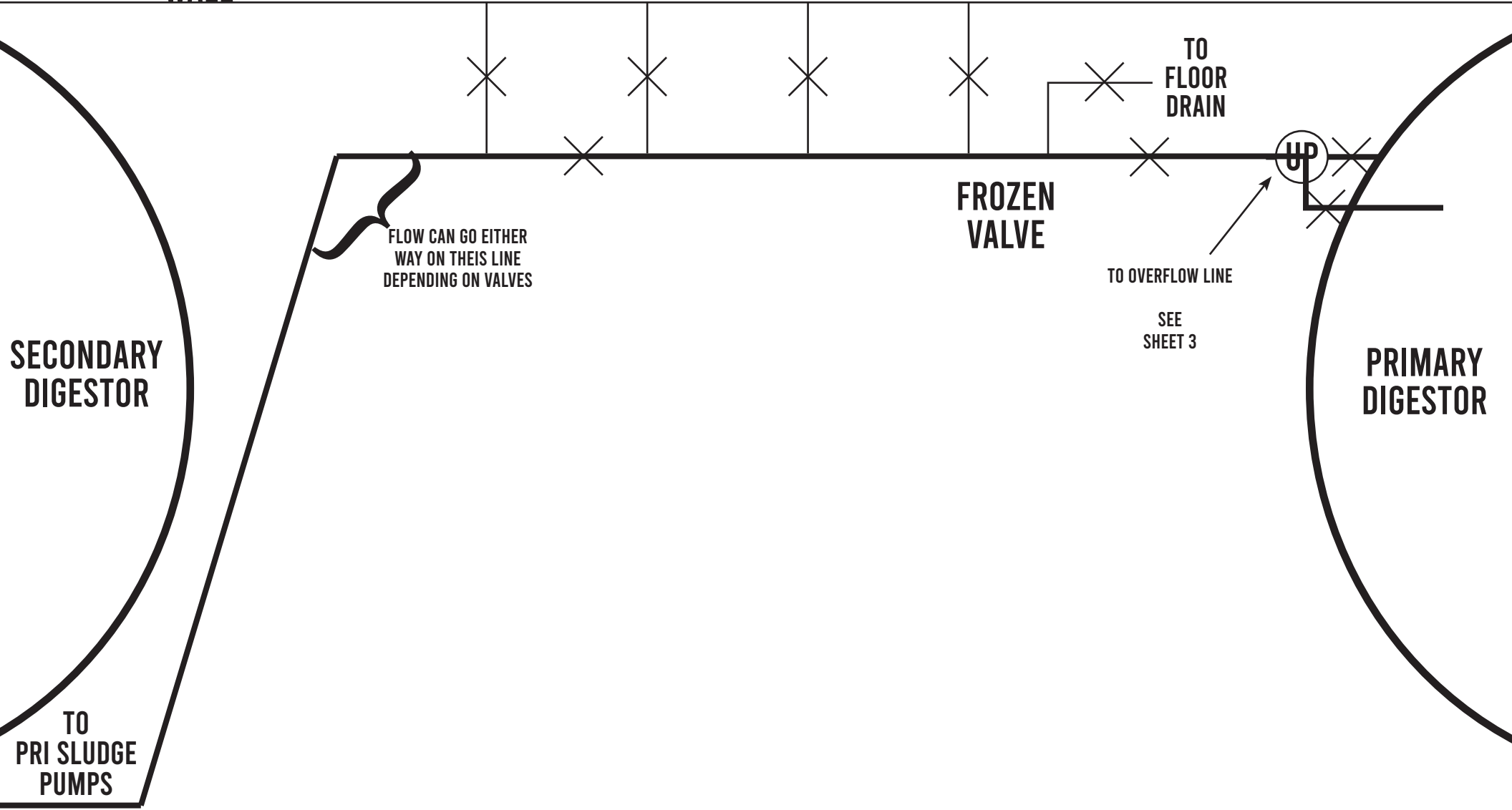
PRIMARY  
DIGESTOR

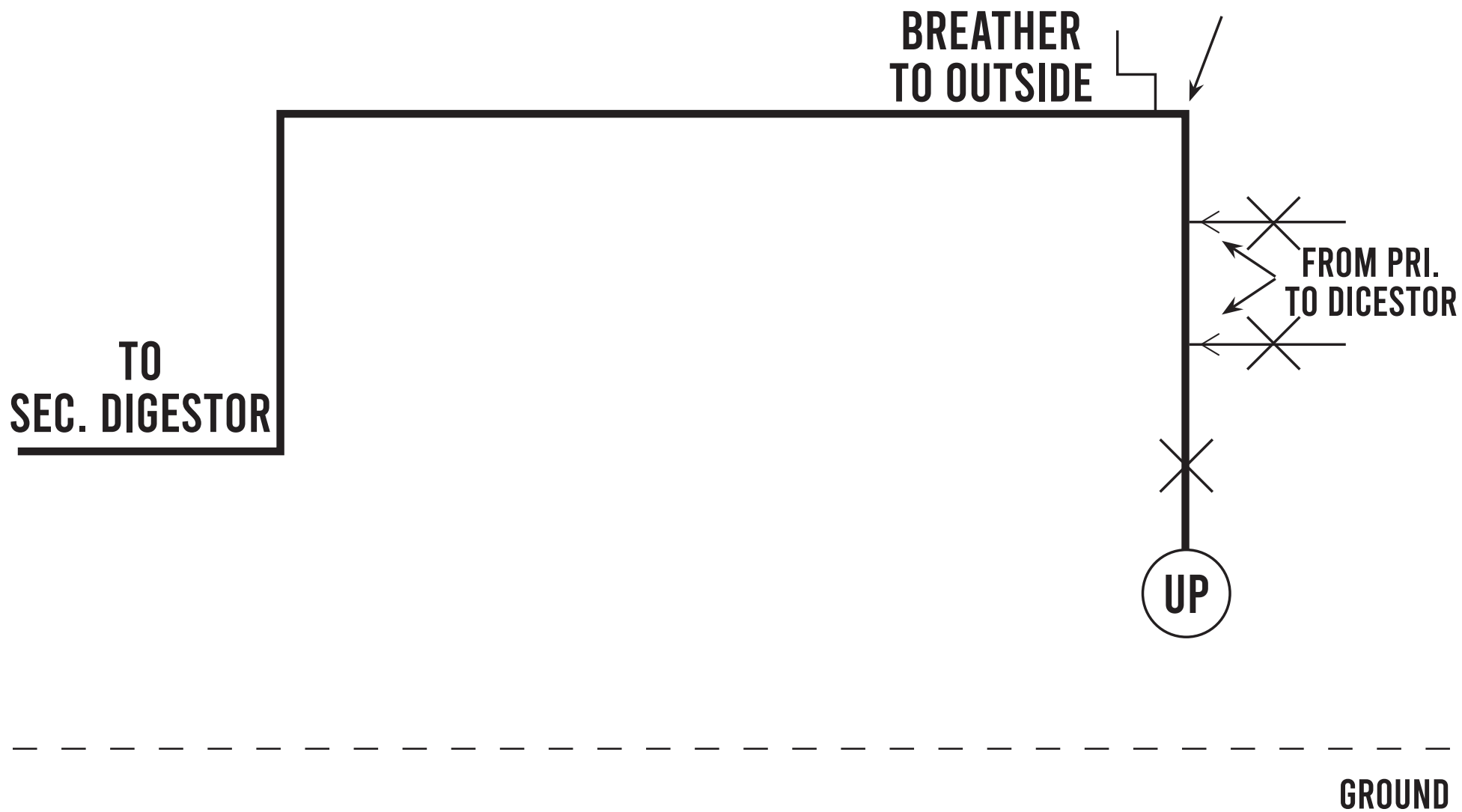
SECONDARY  
DIGESTOR

TO  
PRI SLUDGE  
PUMPS

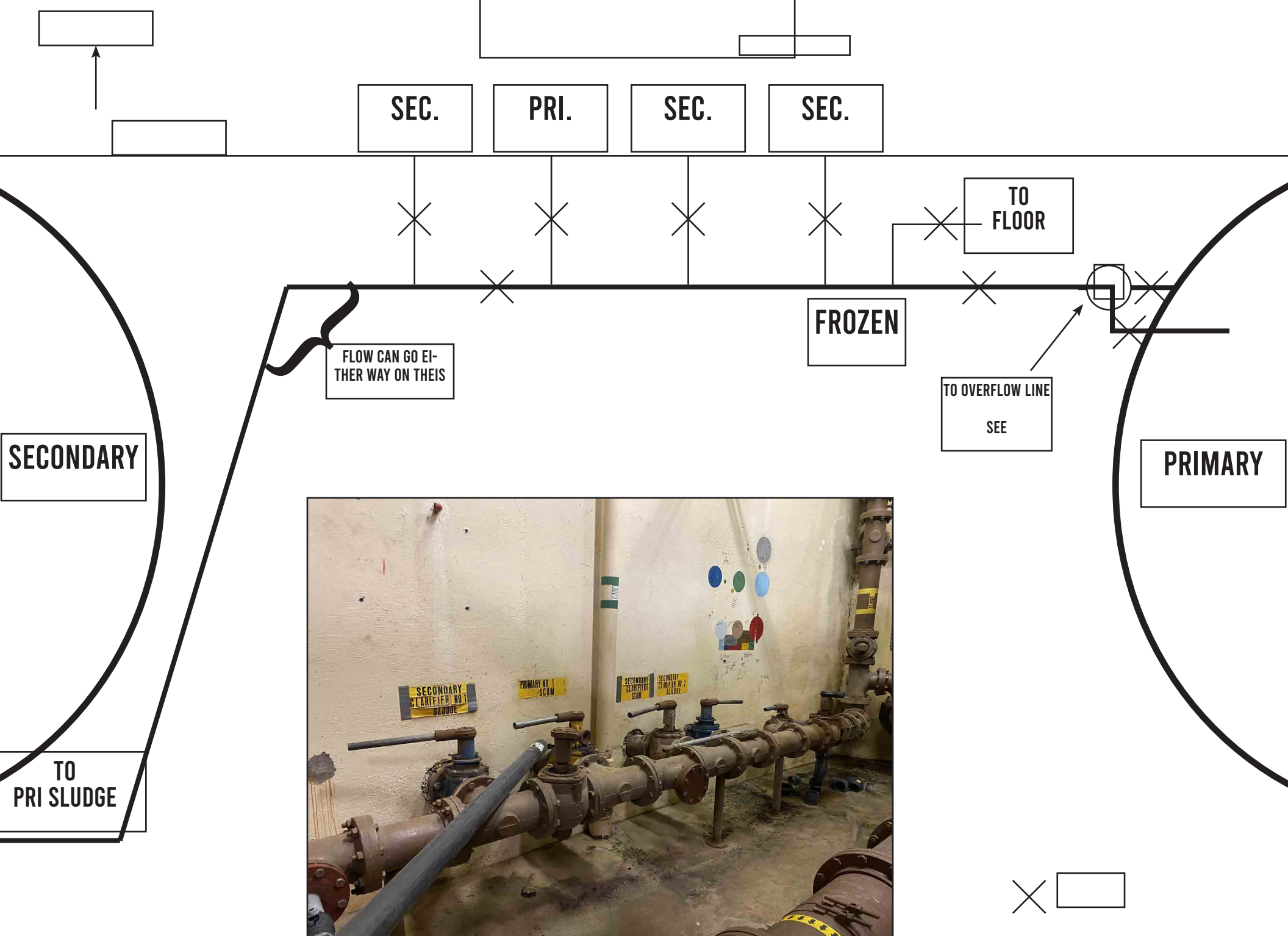
FLOW CAN GO EITHER  
WAY ON THEIS LINE  
DEPENDING ON VALVES

✕ VALVE





**SHEET 3**





**BREATHER  
TO OUTSIDE**

**TO  
SEC. DIGESTOR**

