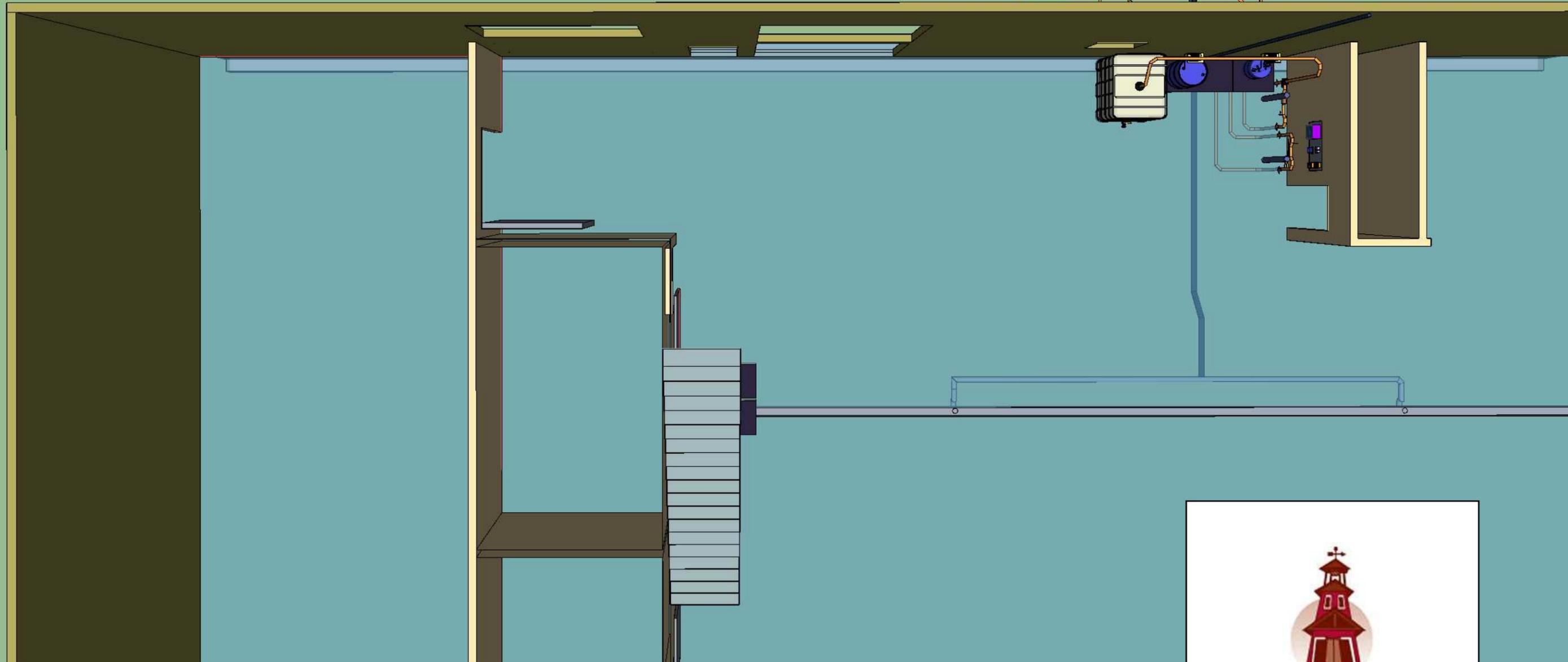
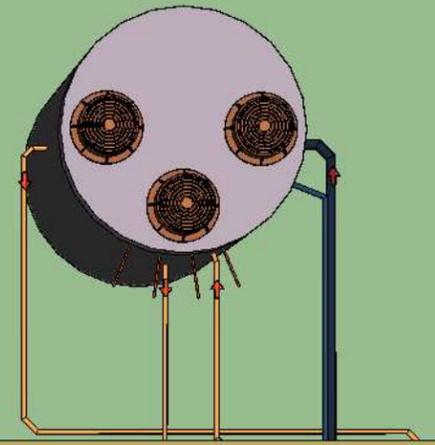


# Overview of project area



**CLIENT**  
Old Schoolhouse  
Brewery

**PROJECT**  
Wastewater  
pretreatment

**FILE NAME**  
OSB WW Layout

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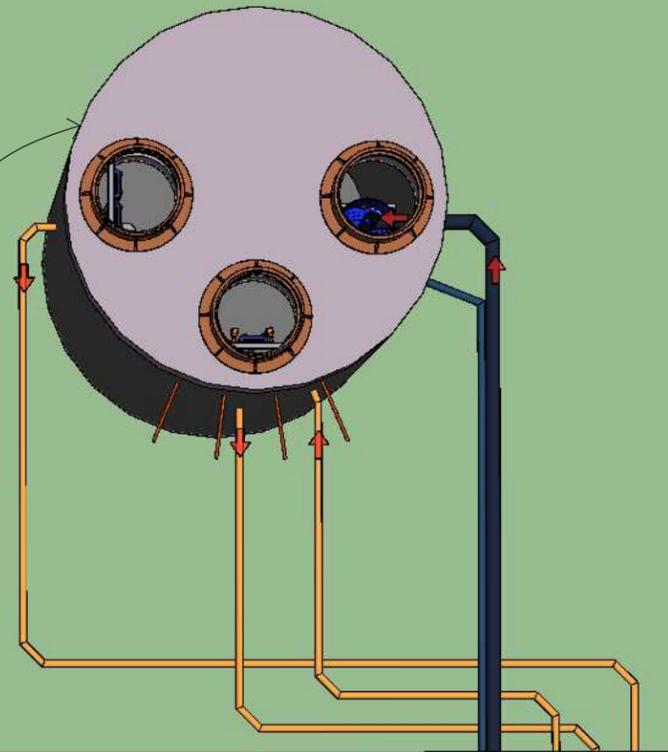
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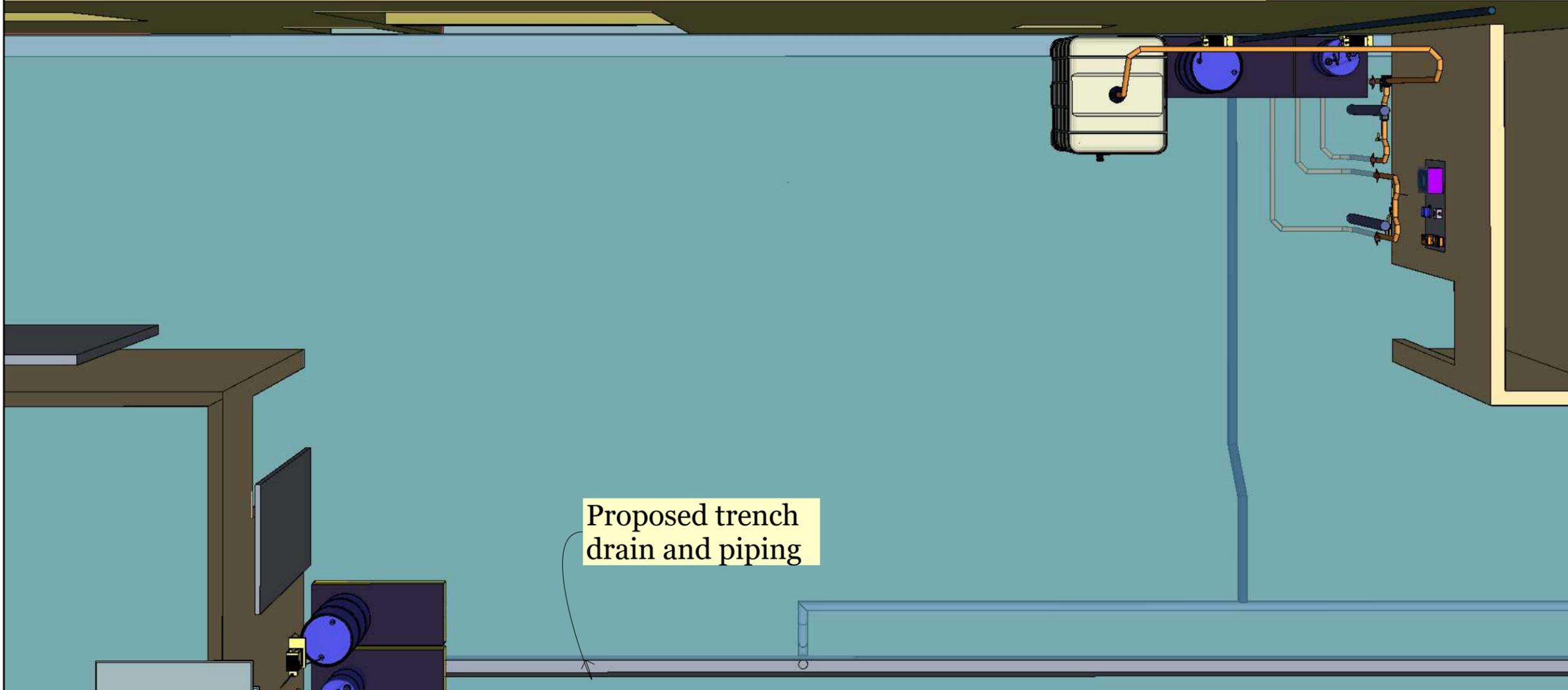


# Overview of project area

Proposed lift station and pretreatment tank



Proposed trench drain and piping



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www.brewerywastewater.com  
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541-350-4261



**CLIENT**  
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Twispworks  
Twisp, WA 98556

**PROJECT**  
Wastewater  
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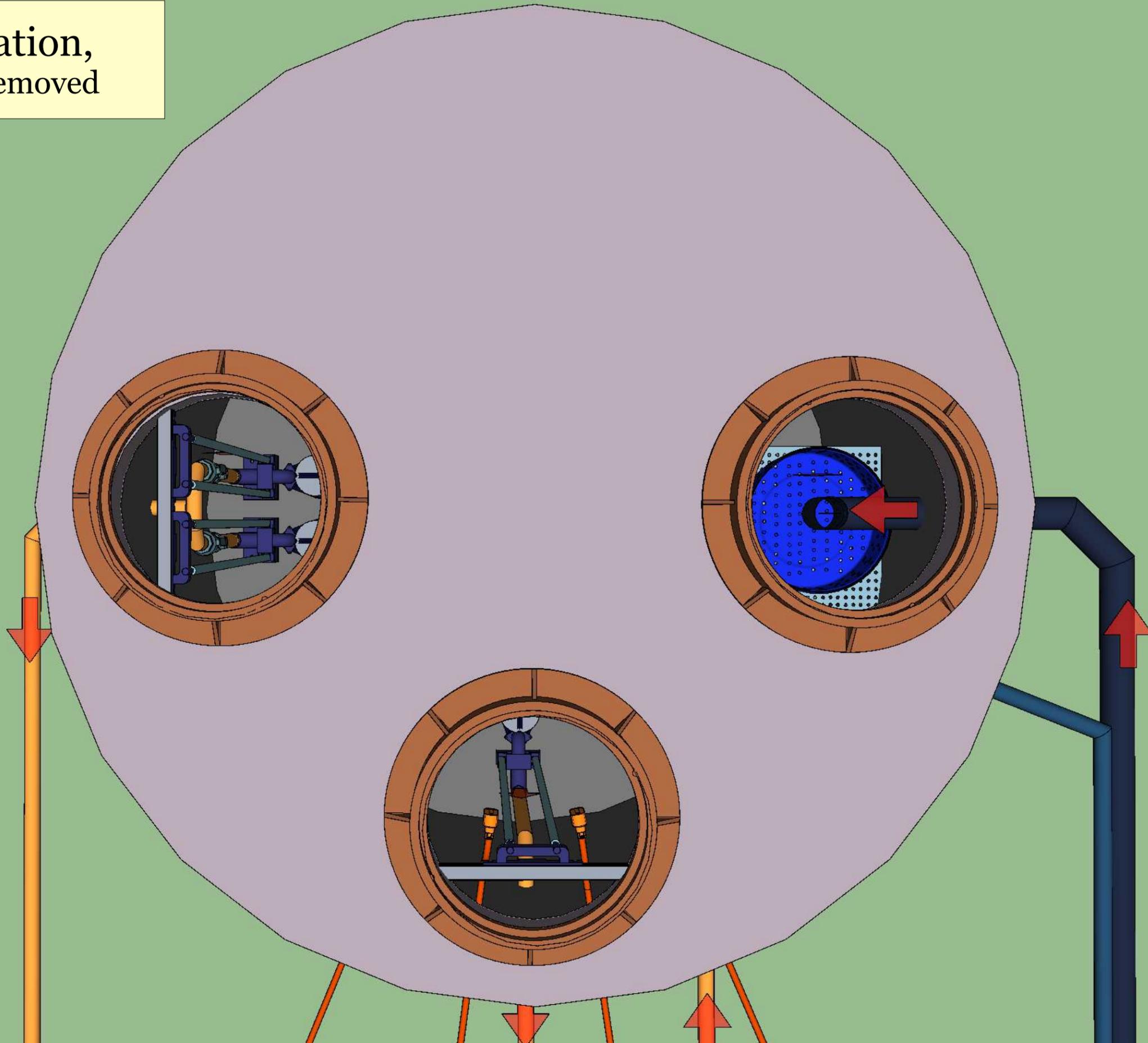
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**DESCRIPTION**  
Sheet Description

Lift station,  
covers removed



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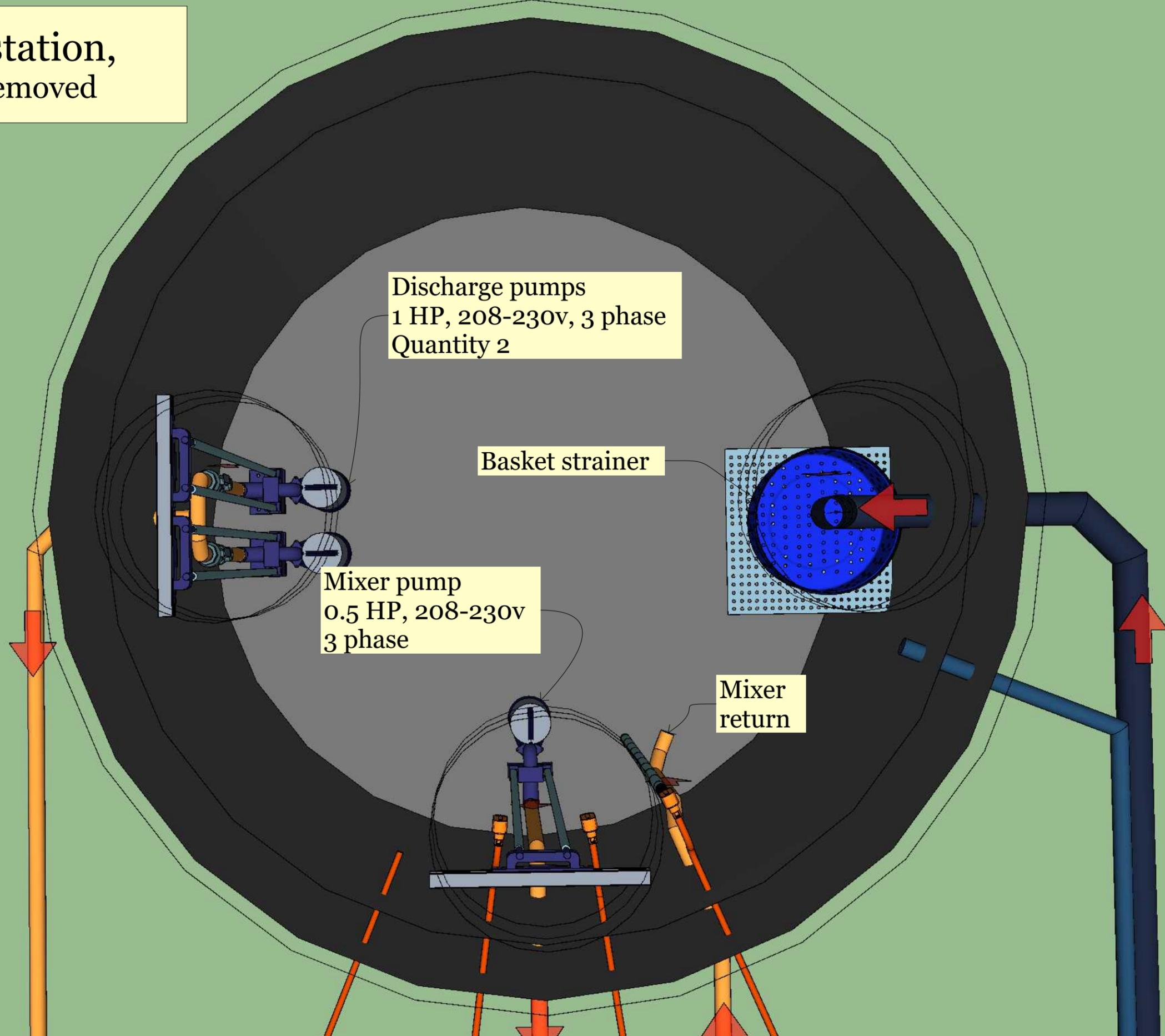
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**DESCRIPTION**  
Sheet Description

**WW<sub>2</sub>**

Lift station,  
lid removed



Discharge pumps  
1 HP, 208-230v, 3 phase  
Quantity 2

Basket strainer

Mixer pump  
0.5 HP, 208-230v  
3 phase

Mixer  
return



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**DESCRIPTION**  
Sheet Description

# Lift station, section

- Conduits
- Mixer pump power
  - Discharge pump power
  - Level detection
  - Spare

Vent

FogRod  
level  
sensor

Slide rail system  
Quantity 3

Discharge pumps  
1 HP, 208-230v, 3 phase  
Quantity 2

Basket  
strainer

Mixer  
return

Mixer pump  
0.5 HP, 208-230v  
3 phase



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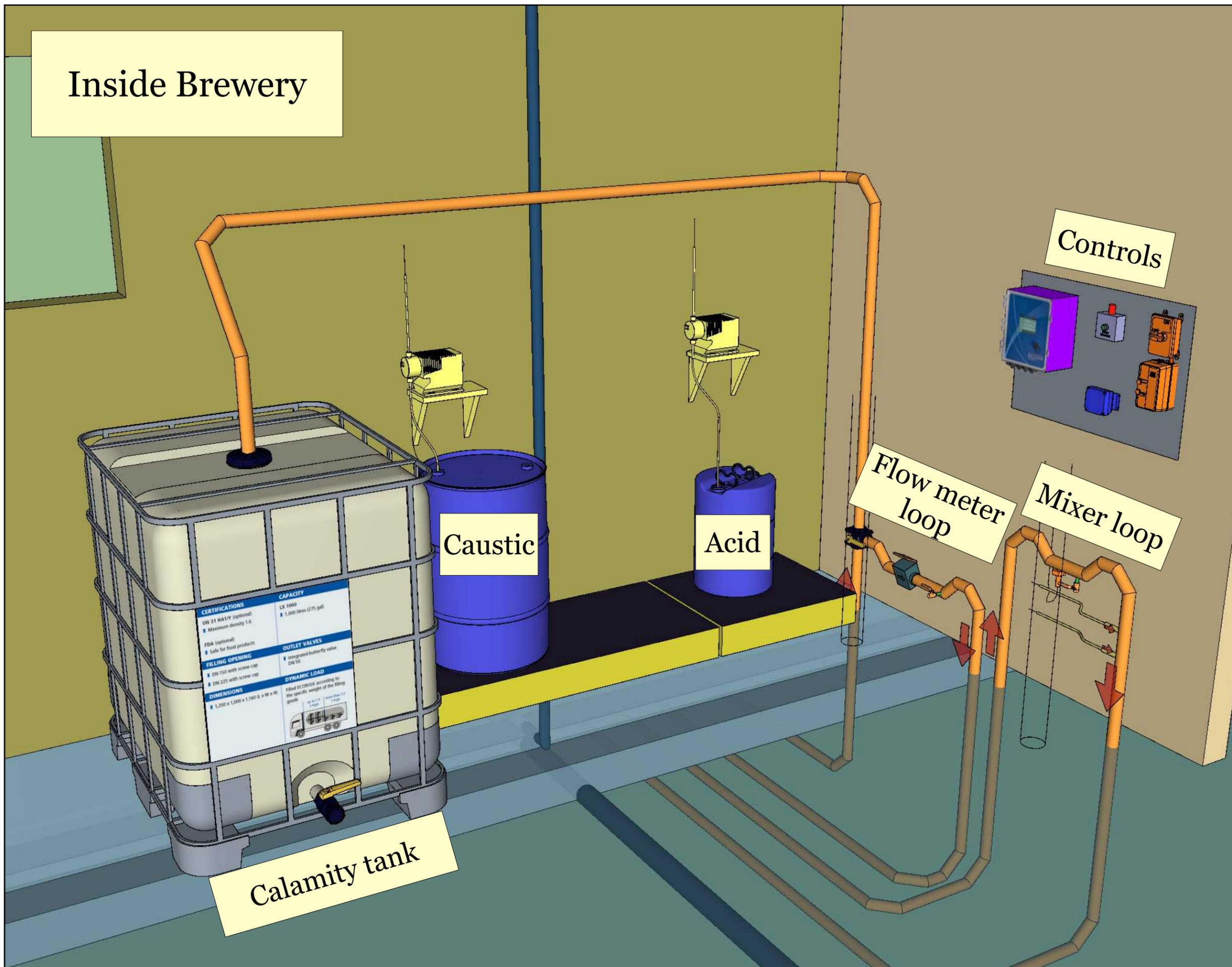
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# Inside Brewery



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# Flow meter loop

Manual 3-way valve, divert to calamity tank on demand.

2" Magnetic flow meter

Sample port



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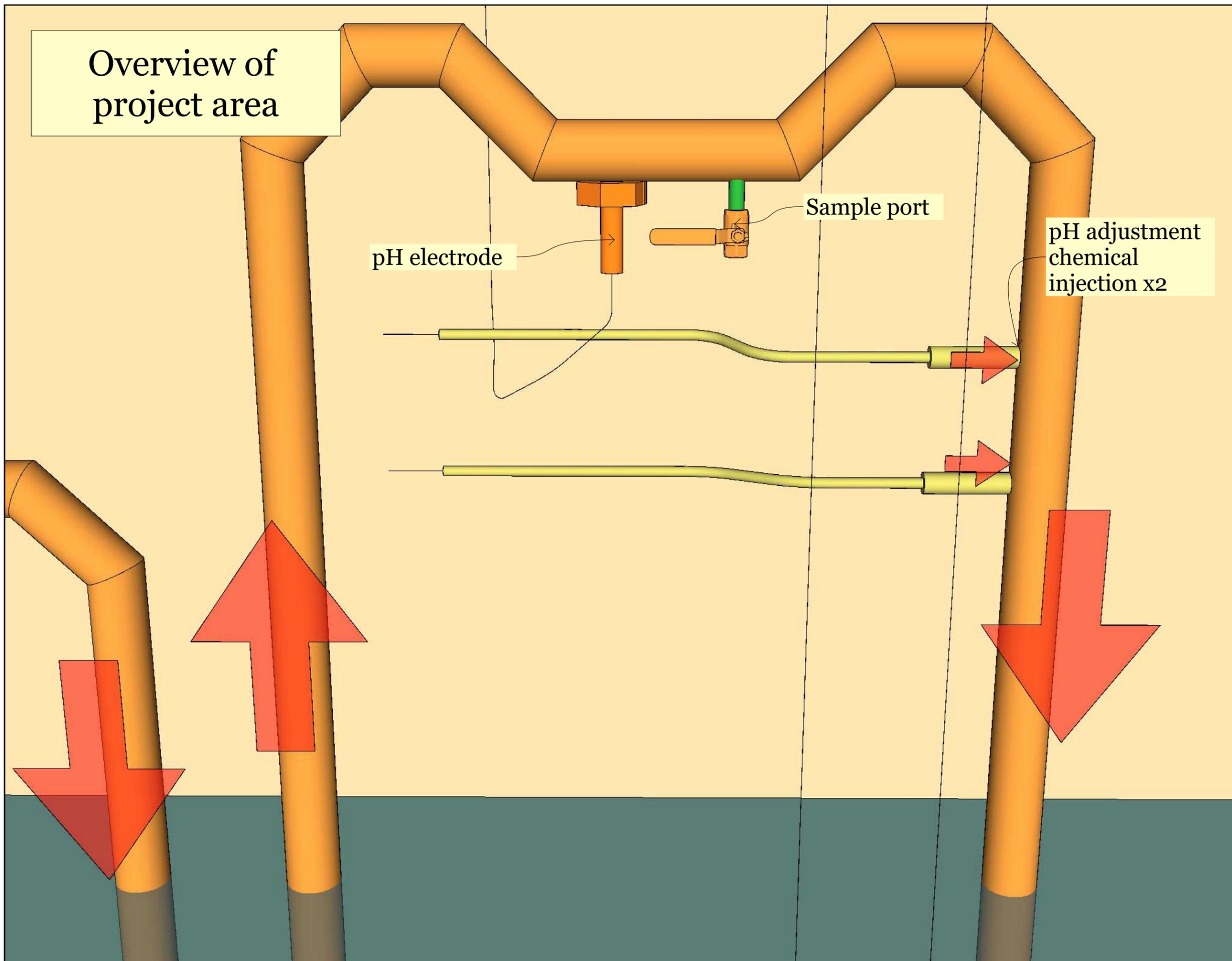
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# Overview of project area



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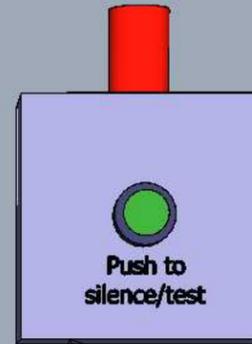
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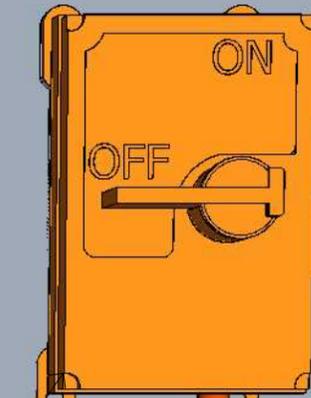
# Control system



Walchem process controller



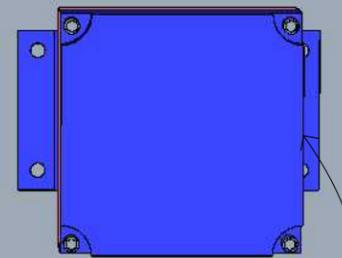
Alarm



Mixer pump disconnect



Mixer pump motor starter



Flow meter signal conditioner

Lift station pump controls and LOTO mixer pump disconnect will be located outdoors to maintain line of sight.



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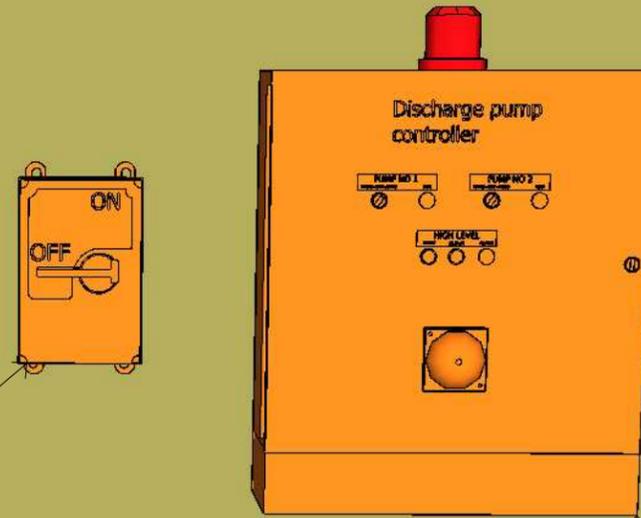
Control system

Duplex alternating  
pump controller

Mixer pump  
disconnect,  
Lock Out/Tag  
Out compatible

Discharge pump  
controller, Lock Out/  
Tag Out compatible

Lift station pump controls and  
final mixer pump disconnect  
will be located outdoors to  
maintain line of sight.



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# Control system

Pump controls near tank to maintain line of sight electrical compliance.

Mixer pump disconnect

Discharge pump controller



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