

Civil Engineering  
GIS Mapping  
Potable Water  
Wastewater Treatment



Civil Site Design  
Construction Support  
Transportation  
Wastewater Collection

Magruder Village – Wastewater (KY-0083577)

Woodville, KY

Engineering Memorandum

Date: April 18, 2023

Introduction

[Redacted text block]

Existing Flow Loadings and Projections

[Redacted text block]

Permit Limitations and Historical Compliance

[Redacted text block]

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Wastewater Treatment Facility Existing Conditions

[Redacted text block]

Functionality of the Existing System

[Redacted text block]

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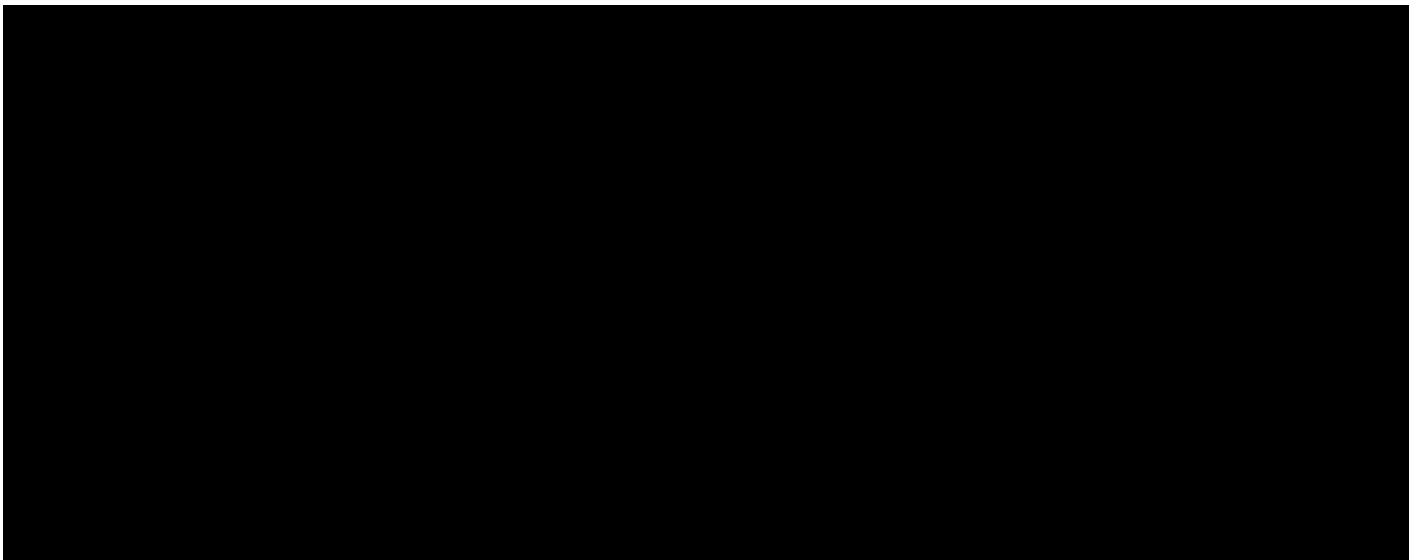
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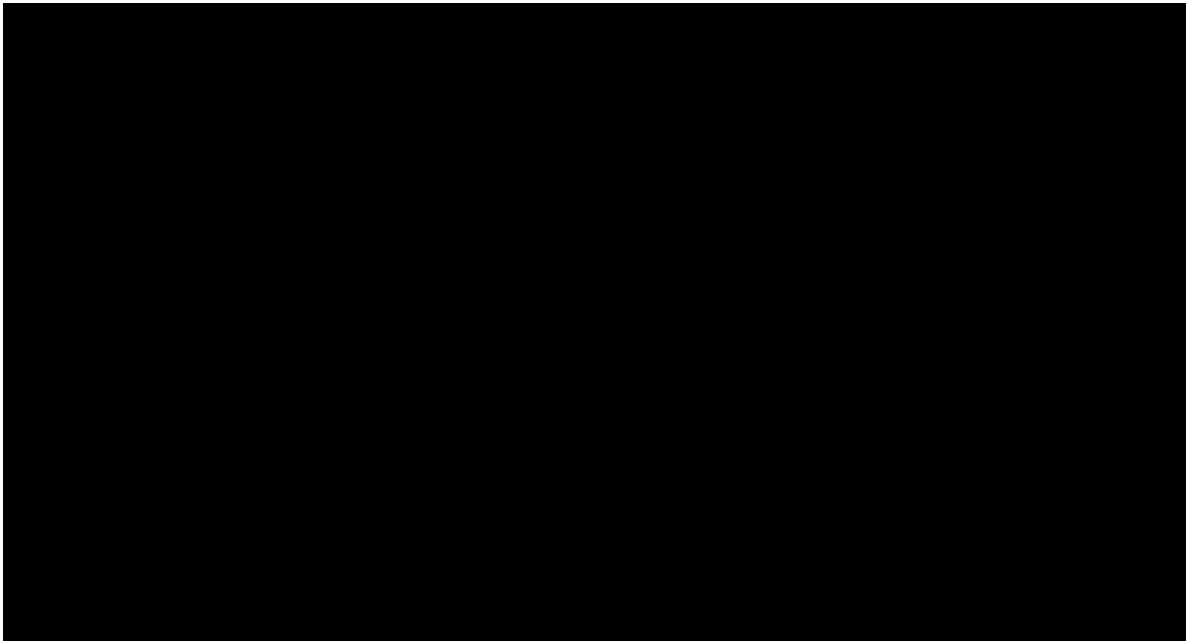
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Initial Triage Improvements Proposed



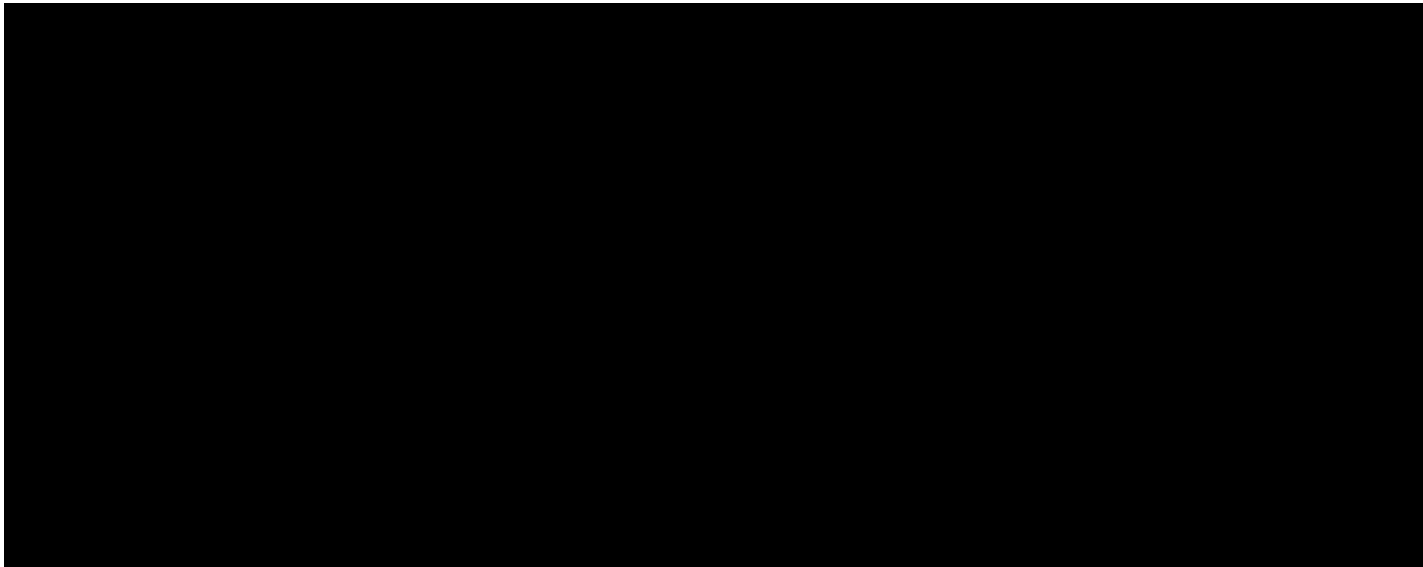
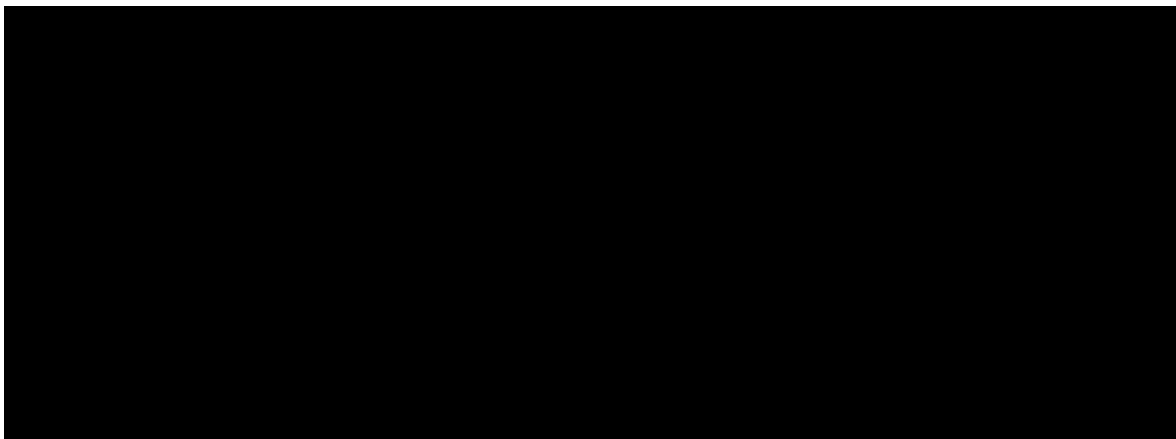
Initial Wastewater Treatment Facility Recommended Improvements



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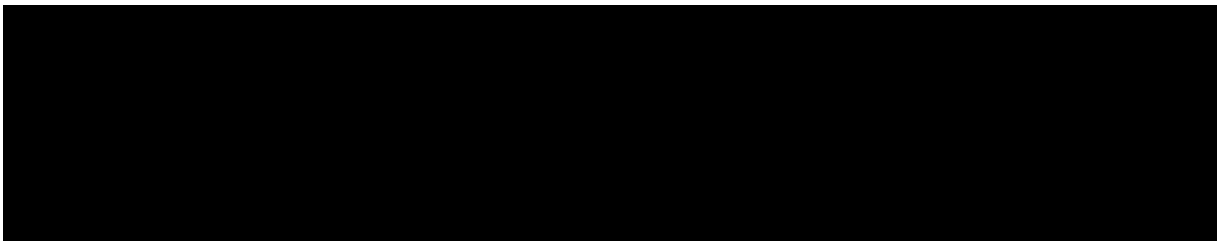
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Wastewater Collection System Understanding



Wastewater Collection System Recommended Improvements



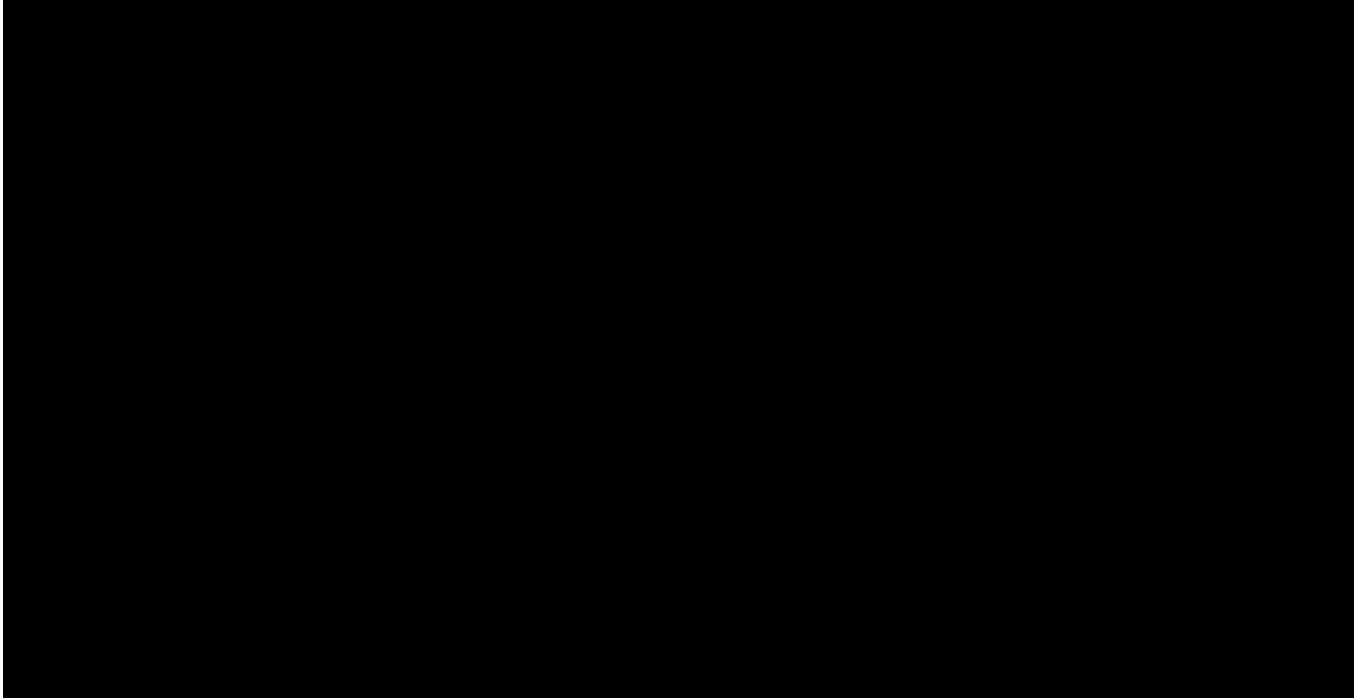
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NARUC Capital Cost Estimate



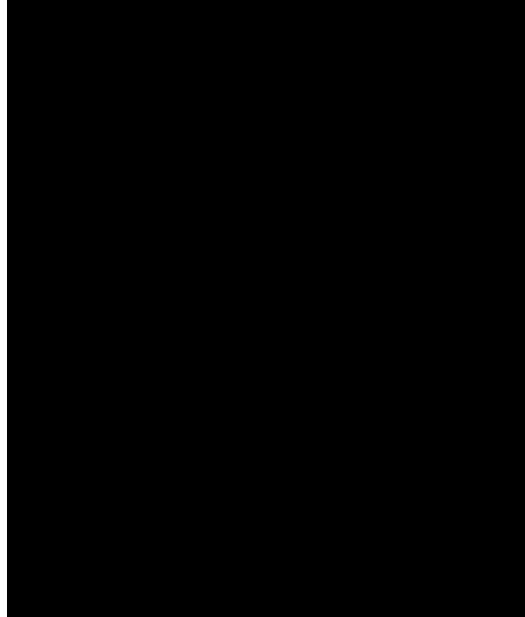
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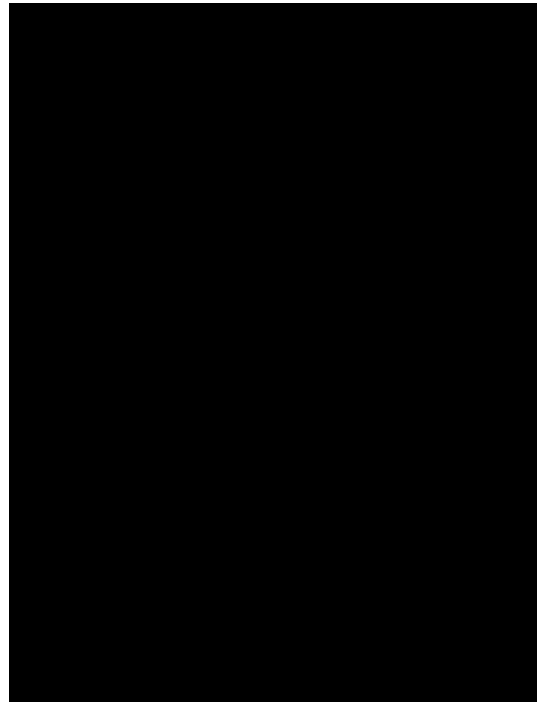
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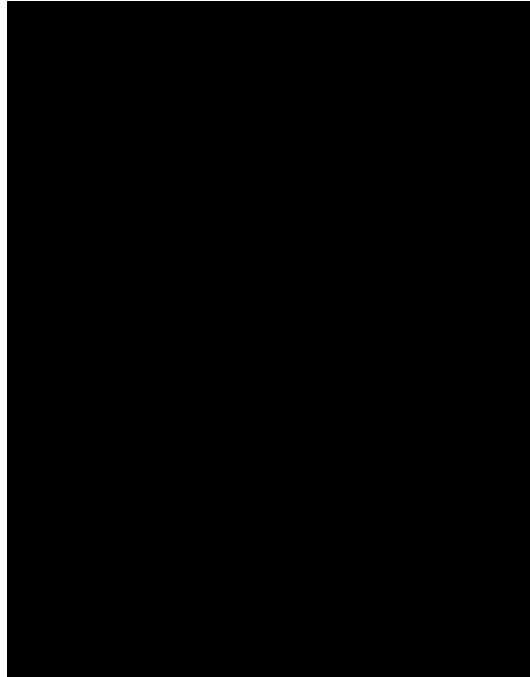
Photographs



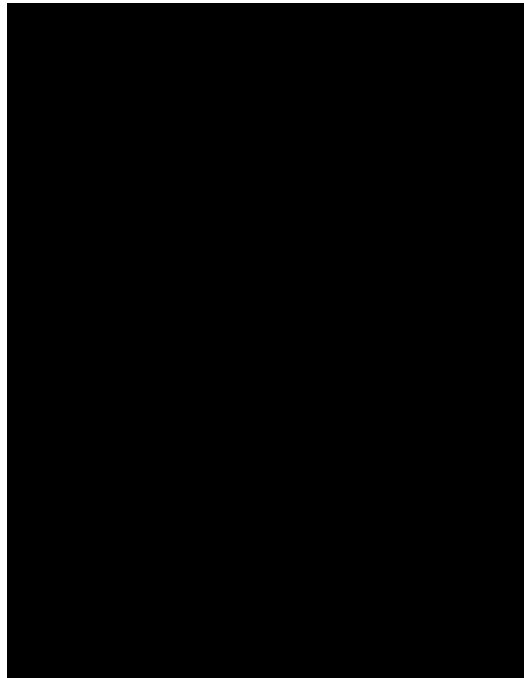
**View of Existing Wastewater Treatment Facility**



**Secondary Clarifier and Air Header from Blower Shed**



**Digester Tank**



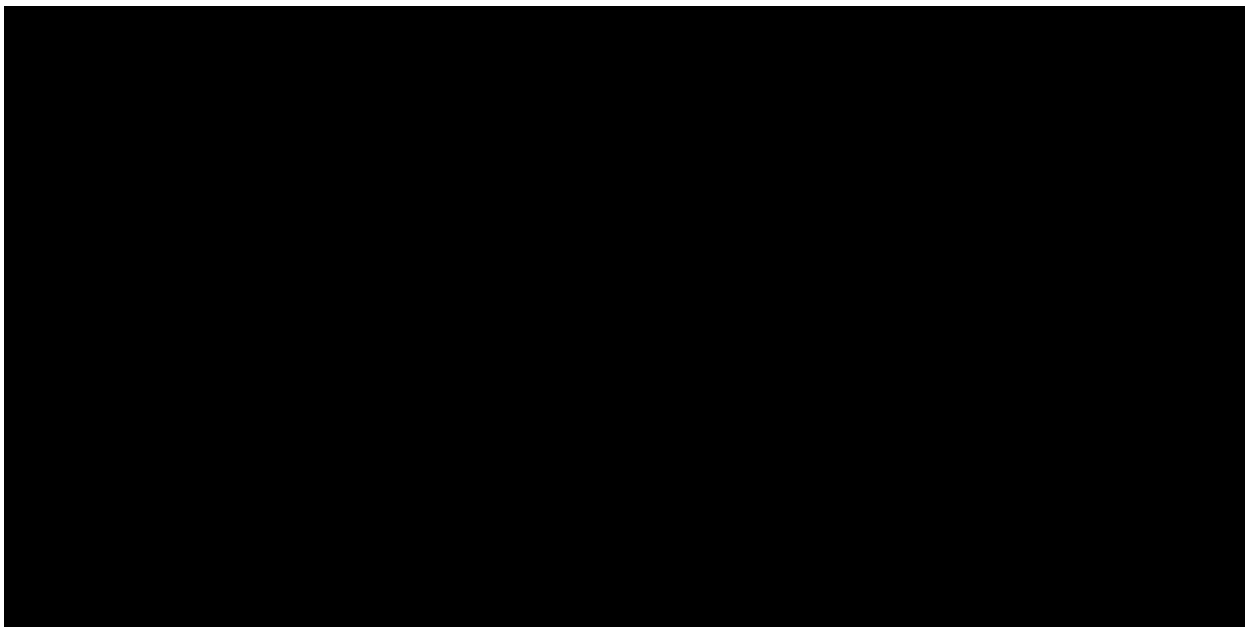
**Aeration Basin**



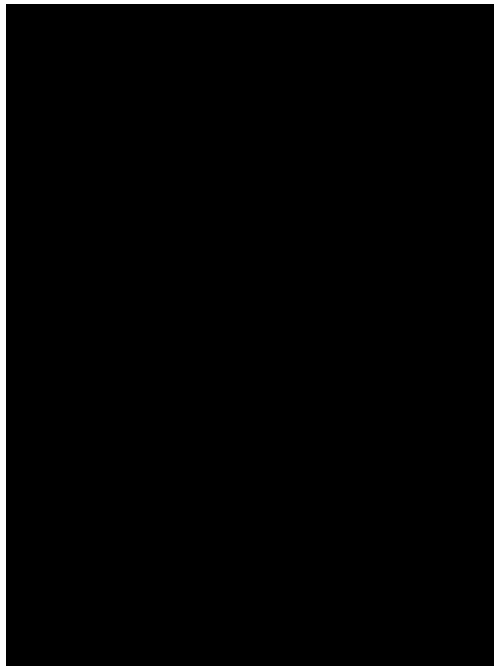
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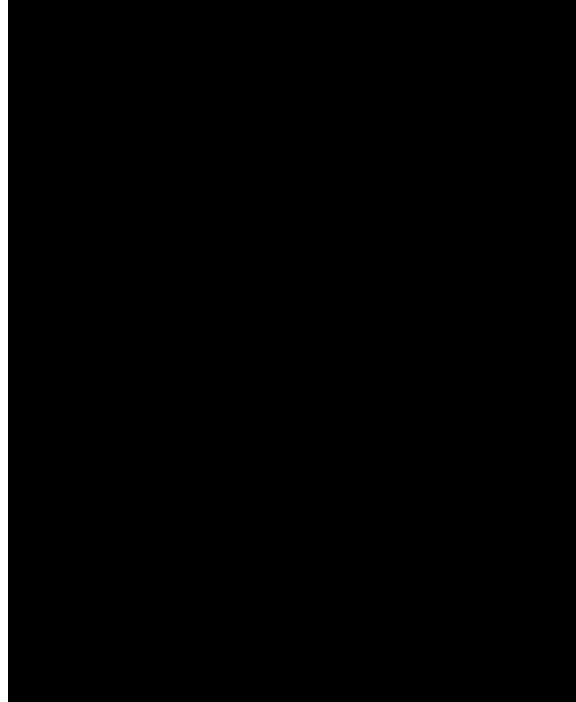
**Secondary Clarifier with Return Lines**



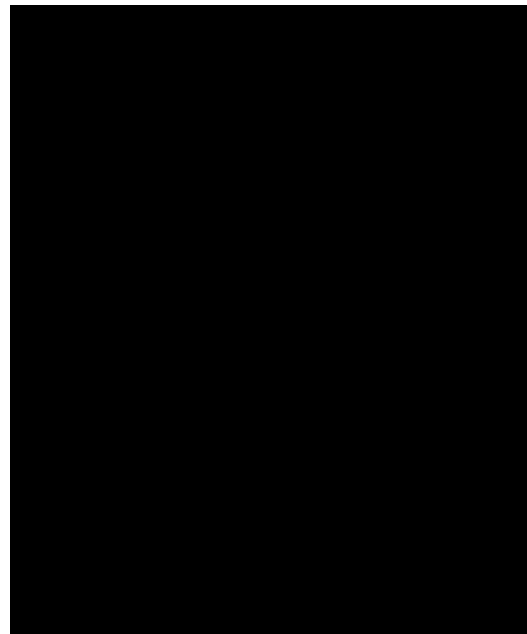
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**Blower Shed**

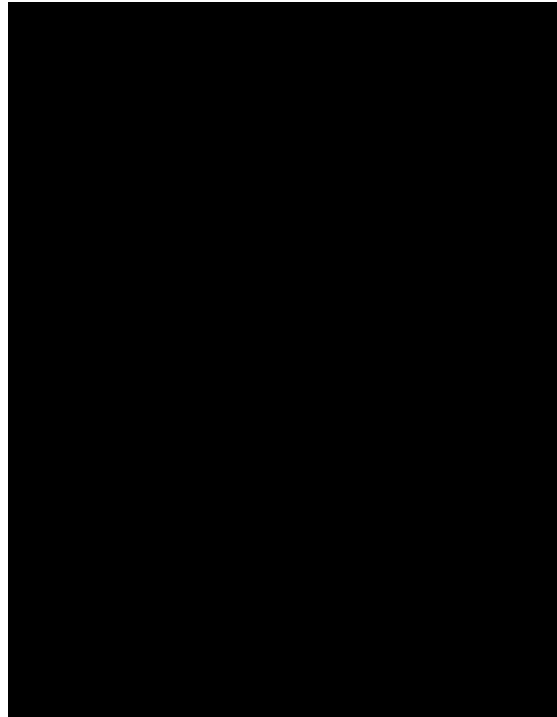


**View Inside Blower Shed**

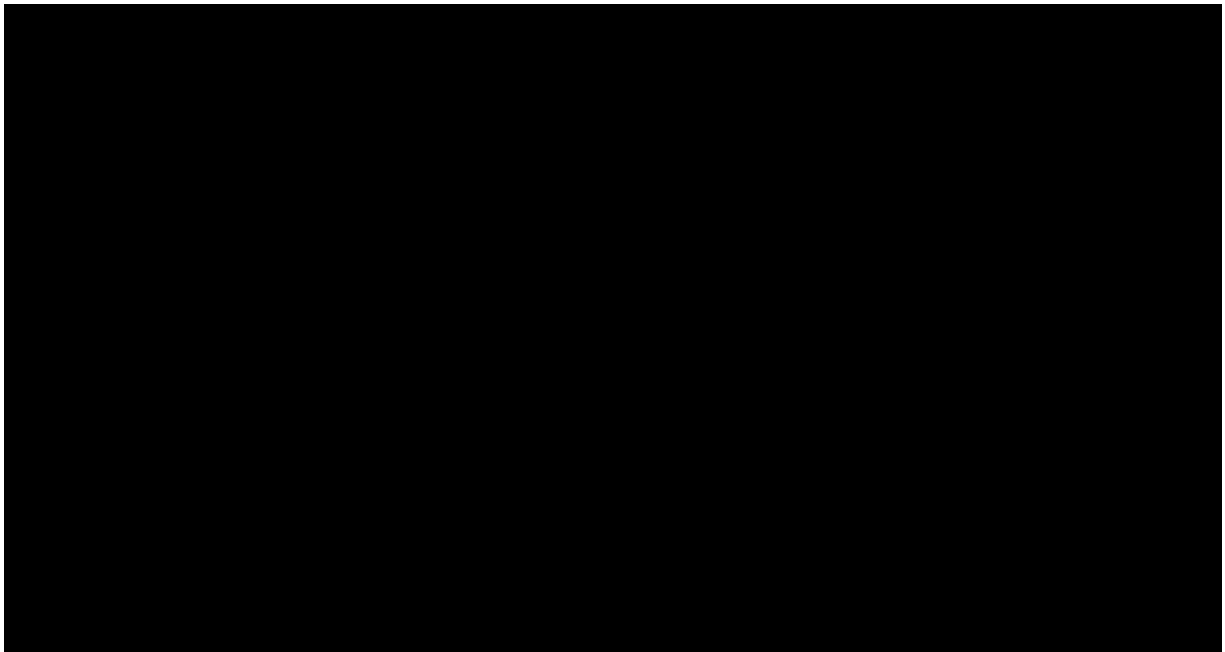
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**Disinfection Basin with Baffle Wall**



**Influent Screening Basin**

