

In-Depth Inspection Report for

City of Margate

Margate, FL



2MG GST

Coral Gate WTP

2,000,000 Gallons

Concrete On-Grade

Constructed Date: 1979

Inspection Date: 4/4/25

Person Completing Report: A.S.

Supervisor: A.S.

Team: Alpha #2

Engineer: R.N.



Scope of Work:

Our Dive team has performed and completed a full in water clean/sediment removal to the previously referenced tank. Sediment depths, ranging from 1/16", were removed from the tanks floor and/or walls. Upon the completion of the cleaning services, our surveying crew and inspection team has taken this structure under full evaluation (internally & externally) to prepared an "In Depth" visual inspection (NDT) of this referenced tank and its fixtures. The evaluation taken on the condition of this tank, complies with all related ANSI/AWWA codes (Standard C652.02). All NDT (non-destructive testing) have been performed up to code, in order to identify the structural integrity as well as the coating condition of this structure. All operable plumbing components have been inspected and evaluated within this report. All evaluations done, where performed in according to American Water Works Association (AWWA), NACE, SSPC, ASNT, ACI and AWS standards under the guidance of OSHA, DEP, and EPA regulations. Utilizing the necessary and proper procedures, the tank has been left internal in sanitary condition. Elements found prior to clean as well as details of the inspection and its findings have been included within the report below.

Summary of the Inspection:

Exterior Inspection

1. Easy access to tank w/ locked and secured perimeter
2. Locked access hatch & vandal guard
3. Minor to moderate small to large blistering unlocalized throughout roof
4. Corroding hardware & failing coating noted on float level indicator
5. Moderate gasket deterioration present throughout foundation to wall gasket

Interior Inspection

1. Moderate concrete surface scaling unlocalized throughout floor
2. Minor to moderate hairline / settling cracking present throughout wall
3. Multiple wood forms & resin noted in wall
4. Minor bug-holing to small pop-outs / spalling present in overflows
5. Minor to moderate oxidation, corrosion, & rust noduling present on drain & outlet penetrations
6. Inlet concrete block supports in fair condition (surface scaling & erosion)
7. Float is tangled on guide wires & not reading correctly
8. Moderate gasket deterioration and Mod/ Heavy corrosion on manway

Key

Excellent – Like new, no repairs needed
Good – Cosmetic problems, repair if client wants
Fair – Minor problems, repairs needed
Poor – Major problems, fix now



Recommendations:

1. Routine Clean & Inspect every 3-5 years per AWWA recommendations & FAC Rule 62-555.350
2. Clean staining/ growth throughout interior and exterior
3. Exterior:
 - 3.1. Walls - Rehab concrete deterioration (Minor) and touch up areas of coating failure (Minor)
 - 3.2. Access Ladder - Replace corroding hardware (as needed); Ensure access ladder is in compliance with OSHA regulations: 1910.29(b)(13)(i) (No swing gate)
 - 3.3. Foundation - Replace/ rehab deteriorating gasket (Mod); Rehab areas of concrete deterioration (Mod)
 - 3.4. FLI - Replace or repair (Missing/ broken components (interior & exterior)/ No longer accurate)
 - 3.5. Roof - Touch-up / spot repair areas of coating failure (Minor)
 - 3.6. Vent - Treat areas of corrosion (Minor); Replace corroding hardware (as needed)
 - 3.7. Access Hatch - Repair/ seal crack (center interior); Replace corroding hardware (as needed)
 - 3.8. Overflows - Spot repair areas of concrete deterioration (Minor)
4. Interior:
 - 4.1. Roof - Repair/ seal areas of cracking (Minor); Spot repair areas of concrete deterioration (Minor); Apply protective coating
 - 4.2. Ladder - Treat areas of corrosion (Minor); Replace corroding hardware (as needed)
 - 4.3. Floor - Rehab areas of concrete deterioration (Minor/ Mod); Apply protective coating
 - 4.4. Drain - Treat areas of corrosion/ rust noduling (Mod); Apply protective coating
 - 4.5. Wall - Repair/ seal areas of cracking (Mod); Rehab areas of concrete deterioration (Minor scaling/ spalling) and apply protective coating
 - 4.6. Inlet - Repair exposed reinforcement (Minor); Rehab concrete deterioration (concrete saddle supports/ Minor); Replace corroding hardware (as needed)
 - 4.7. Outlet - Treat areas of corrosion/ rust noduling (Minor/ Mod)
 - 4.8. FLI - *See note above*
 - 4.9. Overflow - Rehab areas of concrete deterioration (Minor pop-outs/ bug-holing/ spalling) and apply protective coating
 - 4.10. Manway - Replace deteriorating gasket (Mod); Treat areas of corrosion (Mod/ Heavy); Rehab/ replace failing protective coating (Mod)

Engineer Seal:



[This item has been electronically signed and sealed by Robert J. Norton PE (FL. Reg. 54750), on the Date shown, using a SHA authentication code.

Printed copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies.

Digitally signed
by Robert Norton
Date: 2025.04.22
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Tank Evaluation

Tank Security

- Is the tank in a secured, gated area? Y N
- Are the access gates locked? Y N
- Is the tank equipped with a vandal guard on the access ladder(s)? Y N N/A
- Is the vandal guard locked? Y N N/A
- Are all of the access hatches locked? Y N
- Are all of the vents/discharge openings properly covered? Y N
- Does the tank exterior show any signs of trespass? Y N
- Is the area surrounding the tank well lit? Y N
- Are there any additional security features? Y N

Description: N/A

Additional Notes: Tank Location:
Water Plant at 980 NW 66th Ave.
Margate, FL 33063

Tank Condition

- Does the tank appear to be structurally sound? Y N
- Are there any unprotected openings in the tank (breaches, leaks, daylight, etc.) Y N
- Is there any protective coating found throughout the exterior of the tank? Y N Intact? Y N N/A

Description: Exterior Coating: Good to Fair Condition

- Is there any protective coating found throughout the interior of the tank? Y N Intact? Y N N/A

Description: Interior Coating: Fair Condition

Tank Cleaning

Sediment depth before cleaning: 1/16" Sediment type: Silt

List any objects found inside the tank during cleaning that may have introduced contamination:

None noted

Additional Pictures

Construction Plaque



Digital Depth Readout



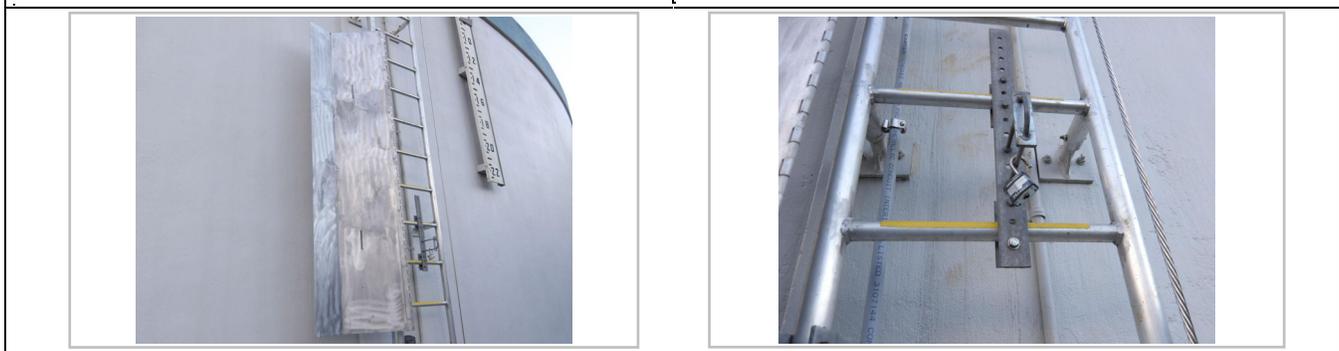
Wall Panel Condition

<p>Concrete / Coating Ratings: Signs of Leaking? Y <input checked="" type="radio"/> N <input checked="" type="radio"/> Coating Present? Y <input checked="" type="radio"/> N <input checked="" type="radio"/> <input type="checkbox"/> De-lamination: N/A <input type="checkbox"/> Abrasion: N/A <input checked="" type="checkbox"/> Pop-outs/Spalling: Minor Type: Bug-holing/Sm. <input type="checkbox"/> Scaling: N/A <input type="checkbox"/> Unevenness: N/A <input type="checkbox"/> Cracking: N/A Type: None <input type="checkbox"/> Growth: N/A Type: None <input checked="" type="checkbox"/> Staining: Minor Type: Resin <input type="checkbox"/> Exposed Aggregate: N/A <input type="checkbox"/> Exposed Reinforcement: N/A <input type="checkbox"/> Erosion: N/A Seams/Joints Condition: Good</p>	<p>Corrosion Ratings(%): <input checked="" type="checkbox"/> None: N/A <input type="checkbox"/> Uniform Surface Corrosion: N/A <input type="checkbox"/> Crevice Corrosion: N/A <input type="checkbox"/> Rust Noduling/Pitting: N/A Depth: N/A <input type="checkbox"/> Scaling: N/A <input type="checkbox"/> Other Corrosion(specify): N/A <input type="checkbox"/> Oxidation: N/A Overall Condition: Good Additional Notes: - Minimal discrepancies to note - Minor bug-holing to small pop-outs / spalling present - Minor resin staining localized under manway penetration - Areas of preexisting pop-outs / spalls have since been coated over</p>
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Access Ladder Condition

<p>Ladder Type: Welded Aluminum OSHA Adherence? Y <input checked="" type="radio"/> N <input checked="" type="radio"/> Vandal Guard Present? Y <input checked="" type="radio"/> N <input checked="" type="radio"/> Locked? Y <input checked="" type="radio"/> N <input checked="" type="radio"/> N/A <input checked="" type="radio"/> Safety Climb Type: Guide Cable Coating Present? Y <input checked="" type="radio"/> N <input checked="" type="radio"/> N/A <input checked="" type="radio"/> Ladder Ratings: <input type="checkbox"/> De-lamination: N/A <input type="checkbox"/> Staining: N/A <input type="checkbox"/> Blistering: N/A Type: None <input type="checkbox"/> Chalking: N/A <input type="checkbox"/> Checking: N/A <input type="checkbox"/> Cracking: N/A Type: None <input type="checkbox"/> Pinholes: N/A <input type="checkbox"/> Saggs/Runs: N/A Seams/Welds Condition: Good</p>	<p>Corrosion Ratings(%): <input type="checkbox"/> None: N/A <input checked="" type="checkbox"/> Uniform Surface Corrosion: Approx. < 1% <input type="checkbox"/> Crevice Corrosion: N/A <input type="checkbox"/> Rust Noduling/Pitting: N/A Depth: N/A <input type="checkbox"/> Scaling: N/A <input type="checkbox"/> Other Corrosion(specify): N/A <input checked="" type="checkbox"/> Oxidation: Approx. < 2% Standoff Supports Condition: Good Overall Condition: Good Additional Notes: - NOT in compliance w/ OSHA regulation 1910.29(b)(13)(i) * INSTALL SWING GATE * - All aluminum makeup w/ galvanized steel vandal guard hardware - Anti slip pads on every rung - Stainless steel safety climb system - Minor oxidation & corrosion localized throughout hardware</p>
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Foundation Condition

Foundation Exposed? Y N
 Coating Present? Y N N/A

Concrete Ratings:

- De-lamination: Moderate
- Abrasion: N/A
- Pop-outs/Spalling: Minor Type: Bug-holing/Sm.
- Scaling: N/A
- Unevenness: N/A
- Cracking: N/A Type: None
- Growth: Minor Type: Organic
- Staining: Moderate Type: Weather
- Exposed Aggregate: Moderate
- Exposed Reinforcement: N/A
- Erosion: N/A

Seams/Joints Condition: Good

Anchor Bolts Present? Y N
 Anchor Bolts Loose? Y N N/A

Corrosion Ratings(%) on Anchor Bolts:

- None: N/A
- Uniform Surface Corrosion: N/A
- Crevice Corrosion: N/A
- Rust Noduling/Pitting: N/A Depth: N/A
- Scaling: N/A
- Other Corrosion(specify): N/A
- Oxidation: N/A

Overall Condition: Good to Fair

Additional Notes:

- Moderate coating failure in the forms of d-lamination
- Minor bug-holing to small pop-outs / spalling unlocalized throughout
- Moderate gasket deterioration @ foundation to wall seam
- Moderate weather staining unlocalized throughout



Float Level Indicator Condition

Pulley Condition: Poor
 Attached Properly? Y N

Cable Condition: Poor
 Attached Properly? Y N
 Overall Hardware Condition: Fair to Poor

Hardware Corrosion Ratings(%):

- None: N/A
- Uniform Surface Corrosion: Approx. < 55% Depth: N/A
- Crevice Corrosion: N/A
- Rust Noduling/Pitting: N/A
- Scaling: N/A
- Other Corrosion(specify): N/A
- Oxidation: Approx. < 60%

Overall Marker Condition: Fair to Poor
 Attached & Accurate? Y N

Marker Corrosion Ratings(%):

- None: N/A
- Uniform Surface Corrosion: Approx. < 8% Depth: 1/16"
- Crevice Corrosion: N/A
- Rust Noduling/Pitting: Approx. < 2%
- Scaling: N/A
- Other Corrosion(specify): N/A
- Oxidation: Approx. < 10%

Overall Condition: Poor

Additional Notes:

- Overall missing many components, no longer accurate
- Oxidation & corrosion localized throughout hardware
- Minor organic growth present
- Minor to moderate d-lamination, exposing fiberglass



Roof Condition

Roof Type: Domed
 Dents/Low Spots? Y N
 Signs of Leaking? Y N
 Coating Present? Y N

Concrete / Coating Ratings:

De-lamination: Minor
 Abrasion: N/A
 Pop-outs/Spalling: N/A
 Scaling: N/A
 Unevenness: Minor
 Cracking: N/A
 Growth: N/A
 Staining: Minor
 Exposed Aggregate: N/A
 Exposed Reinforcement: N/A
 Erosion: N/A

Type: None
 Type: None
 Type: Weather

Seams/Joints Condition: Good

Corrosion Ratings(%):

None: N/A
 Uniform Surface Corrosion: N/A
 Crevice Corrosion: N/A
 Rust Noduling/Pitting: N/A
 Scaling: N/A
 Other Corrosion(specify): N/A
 Oxidation: N/A

Depth: N/A

Cathodic Protection Plates Present? Y N

Overall Condition: Good

Additional Notes:

- Moderate small to large blistering unlocalized throughout
- Minor unevenness unlocalized throughout
- Minor weather staining present
- Minor d-lamination noted throughout protective coating



Vent Condition

Vent Type:

Downturn: Y N N/A
 Vent cap condition: Good
 Is the vent covered with screening? Y N
 Type: Fine Mesh
 Vent screen condition: Good
 Are all openings sealed? Y N N/A

Coating Ratings:

De-lamination: N/A
 Staining: Minor
 Blistering: N/A
 Chalking: N/A
 Checking: N/A
 Cracking: N/A
 Growth: N/A
 Pinholes: N/A
 Saggs/Runs: N/A

Type: Weather
 Type: None
 Type: None

Corrosion Ratings(%):

None: N/A
 Uniform Surface Corrosion: Approx. < 1%
 Crevice Corrosion: N/A
 Rust Noduling/Pitting: N/A
 Scaling: N/A
 Other Corrosion(specify): N/A
 Oxidation: Approx. < 1%

Depth: N/A

Overall Condition: Good to Fair

Additional Notes:

- Oxidation & corrosion localized throughout hardware
- Newer blue coating applied to top side of the cap
- Minor residual adhesive on screen areas



Access Hatch Condition

Hatch Type: Square
 Hatch Size: Approx. 34" x 34"
 Riser Height: Approx. 3"
 Hatch Locked? Y N
 Hinge Condition: Good
 Gasket Present & Intact? Y N
 Does hatch have shoe box lid? Y N
 Dents/Low Spots/ Holes? Y N
 Signs of Leaking? Y N
Coating Ratings:
 De-lamination: N/A
 Staining: Minor Type: Corrosive
 Blistering: N/A
 Chalking: N/A
 Cracking: Minor Type: Hairline / Structural
 Growth: N/A Type: None
 Pinholes: N/A
 Sags/Runs: N/A

Corrosion Ratings(%):
 None: N/A
 Uniform Surface Corrosion: Approx. < 2%
 Crevice Corrosion: N/A
 Rust Noduling/Pitting: N/A
 Scaling: N/A
 Other Corrosion(specify): N/A
 Oxidation: Approx. < 3%
 Depth: N/A
Seams/Welds Condition: Good
 Insects, Dirt or Debris Present Under Hatch? Y N
 Any irregularities or structural deficiencies? Y N
 Description: Structural Cracking
Overall Condition: Good to Fair
Additional Notes:
 - Fiberglass shoe box construction with a fully intact gasket
 - Oxidation & corrosion localized throughout hardware
 - Hairline / structural cracking localized on center of hatch interior



Manway Condition

Coating Ratings:
 De-lamination: N/A
 Staining: Minor Type: Weather
 Blistering: N/A
 Chalking: N/A
 Checking: N/A
 Cracking: N/A Type: None
 Growth: N/A Type: None
 Pinholes: N/A
 Sags/Runs: N/A
Seam/Welds Condition: Good

Corrosion Ratings(%):
 None: N/A
 Uniform Surface Corrosion: N/A
 Crevice Corrosion: N/A
 Rust Noduling/Pitting: N/A
 Scaling: N/A
 Other Corrosion(specify): N/A
 Oxidation: N/A
 Depth: N/A
Overall Condition: Good
Additional Notes:
 - Made of a galvanized steel lid w/ stainless steel hardware
 - Minor weather staining noted
 - Moderate gasket deterioration present



Overflow Structure Condition

Coating / Concrete Ratings:

- De-lamination: N/A
- Abrasion: Minor Type: Bug-holing/Sm.
- Pop-outs/Spalling: Minor
- Scaling: N/A
- Cracking: N/A Type: None
- Growth: N/A Type: None
- Staining: Minor Type: Weather
- Exposed Aggregate: N/A
- Exposed Reinforcement: N/A
- Erosion: N/A
- Corrosion Ratings(%):**
- None: N/A
- Uniform Surface Corrosion: N/A
- Crevice Corrosion: N/A
- Rust Noduling/Pitting: N/A Depth: N/A
- Scaling: N/A
- Other Corrosion(specify): N/A
- Oxidation: N/A

Number of Overflows: Two(2)

Seams/Welds Condition: Good

Stand-off Supports Condition: N/A

Coating Present? Y N Intact? Y N N/A

Discharge Opening(s):

- End Cap Sealed Properly? Y N N/A
- Duckbill Valve Sealed Properly? Y N N/A
- Flapper Valve Sealed Properly? Y N N/A
- Screen 24 Mesh? Y N If no, size: N/A
- Directly Connected to Sewer or Storm Drain? Y N
- Any Obstructions of Water Flow? Y N
- Height Above Ground for Discharge: Approx. 23'
- Is Discharge Spot Adequate? Y N

Overall Condition: Good to Fair

Additional Notes:

- Minor bug-holing to small pop-outs / spalling present
- Minor abrasion noted
- Minor weather staining present
- Screen material appears to be relatively new



Client: City of Margate

Date: 04/04/2025

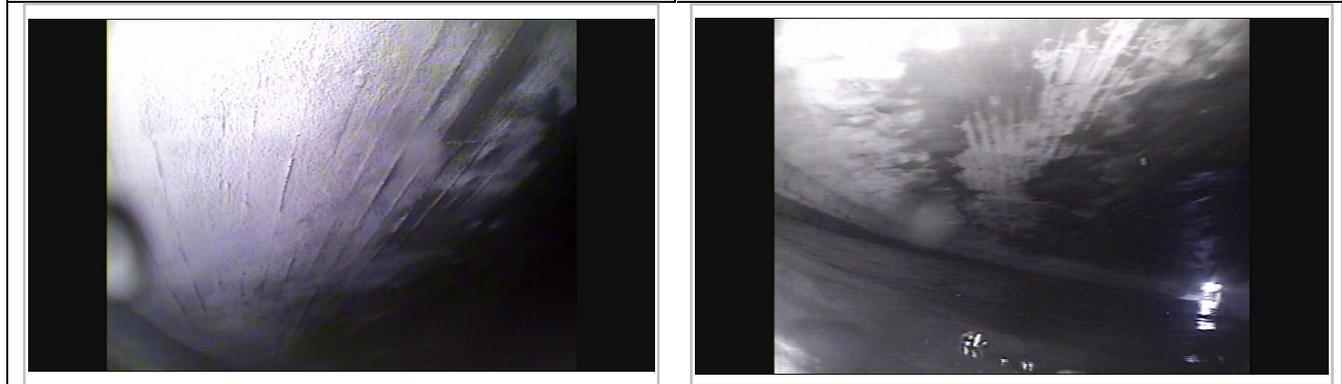
Asset ID: 2MG GST



In Depth Inc. Interior Inspection Report

Roof Condition

<p>Concrete Ratings:</p> <p><input type="checkbox"/> De-lamination: N/A</p> <p><input type="checkbox"/> Abrasion: N/A</p> <p><input checked="" type="checkbox"/> Pop-outs/Spalling: Minor</p> <p><input type="checkbox"/> Scaling: N/A</p> <p><input checked="" type="checkbox"/> Unevenness: Minor</p> <p><input checked="" type="checkbox"/> Cracking: Minor</p> <p><input type="checkbox"/> Growth: N/A</p> <p><input checked="" type="checkbox"/> Staining: Minor</p> <p><input type="checkbox"/> Exposed Aggregate: N/A</p> <p><input type="checkbox"/> Exposed Reinforcement: N/A</p> <p><input type="checkbox"/> Erosion: N/A</p> <p>Seams/Joints Condition: Good</p> <p>Any irregularities or structural deficiencies? Y <input type="radio"/> N <input checked="" type="radio"/></p> <p>Description: N/A</p>	<p>Coating Present? Y <input type="radio"/> N <input checked="" type="radio"/></p> <p>Type: Bug-holing/Sm</p> <p>Type: Hairline / Shrinkage</p> <p>Type: None</p> <p>Type: Moisture</p> <p>Corrosion Ratings(%):</p> <p><input checked="" type="checkbox"/> None: N/A</p> <p><input type="checkbox"/> Uniform Surface Corrosion: N/A</p> <p><input type="checkbox"/> Crevice Corrosion: N/A</p> <p><input type="checkbox"/> Rust Noduling/Pitting: N/A</p> <p><input type="checkbox"/> Scaling: N/A</p> <p><input type="checkbox"/> Other Corrosion(specify): N/A</p> <p><input type="checkbox"/> Oxidation: N/A</p> <p>Overall Condition: Good to Fair</p> <p>Additional Notes:</p> <ul style="list-style-type: none"> - Minor hairline / shrinkage cracking present - Minor bug-holing to small pop-outs / spalling noted - General concrete unevenness throughout - Minor to moderate moisture staining throughout <p style="text-align: right;">Depth: N/A</p>
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Ladder Condition

<p>Ladder Location: 12:00</p> <p>Ladder Ratings:</p> <p><input type="checkbox"/> De-lamination: N/A</p> <p><input checked="" type="checkbox"/> Staining: Minor</p> <p><input type="checkbox"/> Blistering: N/A</p> <p><input type="checkbox"/> Chalking: N/A</p> <p><input type="checkbox"/> Checking: N/A</p> <p><input type="checkbox"/> Cracking: N/A</p> <p><input type="checkbox"/> Growth: N/A</p> <p><input type="checkbox"/> Pinholes: N/A</p> <p><input type="checkbox"/> Saggs/Runs: N/A</p> <p>Seams/Welds Condition: Good</p>	<p>Coating Present? Y <input type="radio"/> N <input checked="" type="radio"/></p> <p>Type: None</p> <p>Type: None</p> <p>Type: None</p> <p>Corrosion Ratings(%):</p> <p><input type="checkbox"/> None: N/A</p> <p><input checked="" type="checkbox"/> Uniform Surface Corrosion: Approx. < 1%</p> <p><input type="checkbox"/> Crevice Corrosion: N/A</p> <p><input type="checkbox"/> Rust Noduling/Pitting: N/A</p> <p><input type="checkbox"/> Scaling: N/A</p> <p><input type="checkbox"/> Other Corrosion(specify): N/A</p> <p><input checked="" type="checkbox"/> Oxidation: Approx. < 2%</p> <p>Overall Condition: Good</p> <p>Additional Notes:</p> <ul style="list-style-type: none"> - Ladder equipped w/ cable safety climb - Oxidation & corrosion localized throughout hardware - Isolated oxidation on the safety cable climb system - Ladder made of aluminum w/ stainless steel hardware - Minor to moderate sediment staining present <p style="text-align: right;">Depth: N/A</p>
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Floor Condition

Concrete Ratings:

- De-lamination: N/A
- Abrasion: N/A
- Pop-outs/Spalling: Minor Type: Small / Medium
- Scaling: Moderate
- Unevenness: N/A
- Cracking: N/A Type: None
- Growth: N/A Type: None
- Staining: Minor Type: Sediment
- Exposed Aggregate: Moderate
- Exposed Reinforcement: N/A
- Erosion: N/A

Any identified signs of leaking? Y N

Seams/Joints Condition: Good

Sediment depth: 1/16"

Any irregularities or structural deficiencies? Y N

Description: Scaling

Coating Present? Y N

Corrosion Ratings(%):

- None: N/A
- Uniform Surface Corrosion: N/A
- Crevice Corrosion: N/A
- Rust Noduling/Pitting: N/A Depth: N/A
- Scaling: N/A
- Other Corrosion(specify): N/A
- Oxidation: N/A

Overall Condition: Fair

Additional Notes:

- Moderate concrete scaling unlocalized throughout
- Minor to moderate abrasion unlocalized throughout
- Minor sediment staining throughout
- Minor to moderate small to medium pop-outs / spalling
- Moderate exposed aggregate noted



Drain Condition

Drain Location: 1:30

Coating: Y N

Drain Ratings:

- De-lamination: N/A
- Staining: Moderate Type: Corrosive / Sediment
- Blistering: N/A
- Chalking: N/A
- Checking: N/A
- Cracking: N/A Type: None
- Growth: N/A Type: None
- Pinholes: N/A
- Sags/Runs: N/A

Seams/Welds Condition: Good

Corrosion Ratings(%):

- None: N/A
- Uniform Surface Corrosion: Approx. < 20% Depth: 1/16"
- Crevice Corrosion: N/A
- Rust Noduling/Pitting: Approx. < 10%
- Scaling: N/A
- Other Corrosion(specify): N/A
- Oxidation: Approx. < 25%

Overall Condition: Good to Fair

Additional Notes:

- Drain sits in a sump
- Approx. 12" pipe
- Sump area approx. 3' x 3' x 3'
- Oxidation, corrosion, & rust noduling unlocalized throughout
- Moderate corrosive / sediment staining present



Wall Condition

Concrete Ratings:

- De-lamination: N/A
- Abrasion: N/A
- Pop-outs/Spalling: Minor
- Scaling: Minor
- Unevenness: N/A
- Cracking: Moderate
- Growth: Minor
- Staining: Minor
- Exposed Aggregate: N/A
- Exposed Reinforcement: N/A
- Erosion: N/A
- Saggs/Runs: N/A

Coating Present? Y N

Type: Small

Type: Hairline / Settling

Type: Mineral

Type: Sediment

Corrosion Ratings(%):

- None: N/A
- Uniform Surface Corrosion: N/A
- Crevice Corrosion: N/A
- Rust Noduling/Pitting: N/A
- Scaling: N/A
- Other Corrosion(specify): N/A
- Oxidation: N/A

Depth: N/A

Overall Condition: Fair

Additional Notes:

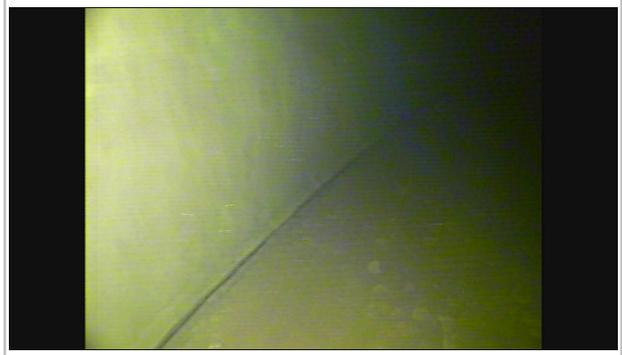
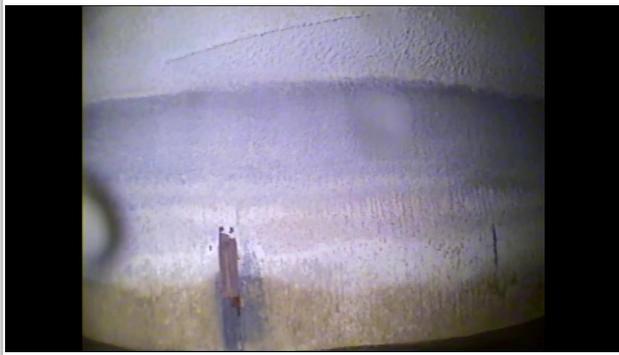
- Minor to moderate hairline / settling cracking present
- Multiple wood forms & portions of resin noted in wall
- Minor scaling unlocalized throughout upper wall
- Minor sediment satining throughout
- Minor mineral growth localized throughout cracking

Seams/Joints Condition: Good

Is biofilm present? Y N

Any irregularities or structural deficiencies? Y N

Description: Scaling on Concrete Top Coat



Support Structure / Baffle Wall

Number of Columns: N/A

Column Ratings:

- De-lamination: N/A
- Abrasion: N/A
- Pop-outs/Spalling: N/A
- Scaling: N/A
- Cracking: N/A
- Growth: N/A
- Staining: N/A
- Exposed Aggregate: N/A
- Exposed Reinforcement: N/A
- Erosion: N/A

Coating Present? Y N

Type: None

Type: None

Type: None

Type: None

Corrosion Ratings(%):

- None: N/A
- Uniform Surface Corrosion: N/A
- Crevice Corrosion: N/A
- Rust Noduling/Pitting: N/A
- Scaling: N/A
- Other Corrosion(specify): N/A
- Oxidation: N/A

Depth: N/A

Overall Condition: N/A

Additional Notes:

N/A

Seams/Joints Condition: N/A

Any irregularities or structural deficiencies? Y N

Description: N/A

N/A

N/A

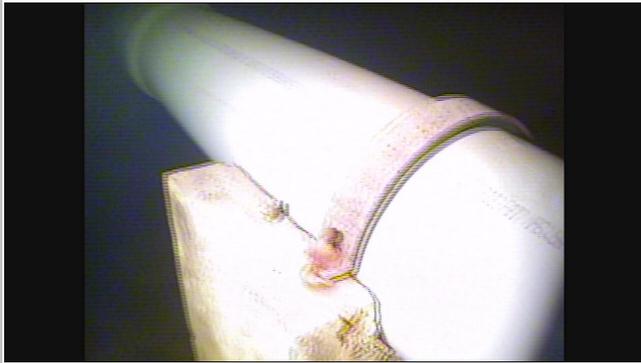


Inlet Condition

Common Inlet/Outlet? Y N
 Inlet Location: 11:30 to center
Inlet Ratings:
 De-lamination: N/A
 Staining: Minor
 Blistering: N/A
 Chalking: N/A
 Checking: N/A
 Cracking: N/A
 Growth: N/A
 Pinholes: N/A
 Saggs/Runs: N/A
Seams/Welds Condition: Good
 Vortex Plate/Trash Rack Present? Y N

Coating Present? Y N
 Type: Sediment / Corrosive
 Type: None
 Type: None

Corrosion Ratings(%):
 None: N/A
 Uniform Surface Corrosion: Approx. < 4%
 Crevice Corrosion: N/A
 Rust Noduling/Pitting: Approx. < 3% Depth: 1/16"
 Scaling: Approx. < 1%
 Other Corrosion(specify): N/A
 Oxidation: Approx. < 5%
Overall Condition: Good to Fair
Additional Notes:
 - Made of PVC w/ minimal discrepancies noted
 - Concrete saddle supports contain concrete scaling, erosion, & spalling
 - Oxidation & corrosion localized throughout hardware
 - Inlet pipe embedded in concrete @ discharge point
 - Minor corrosive / sediment staining noted
 - Minor exposed reinforcements localized in concrete supports



Outlet Condition

Outlet Location: 2:00
Outlet Ratings:
 De-lamination: N/A
 Staining: Minor
 Blistering: N/A
 Chalking: N/A
 Checking: N/A
 Cracking: N/A
 Growth: N/A
 Pinholes: N/A
 Saggs/Runs: N/A
Seams/Welds Condition: Good
 Trash Rack Present? Y N N/A

Coating Present? Y N
 Type: Sediment / Corrosive
 Type: None
 Type: None

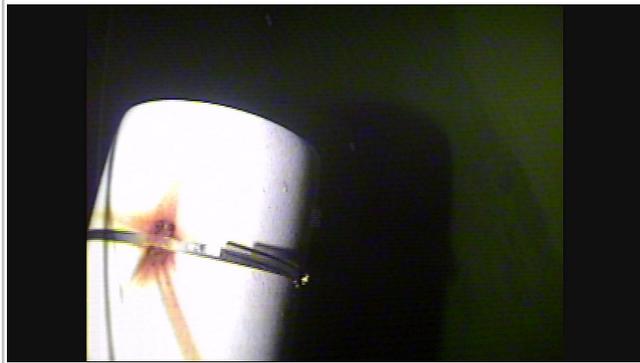
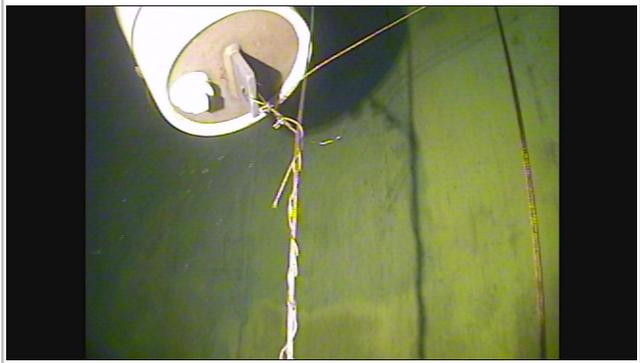
Corrosion Ratings(%):
 None: N/A
 Uniform Surface Corrosion: Approx. < 8%
 Crevice Corrosion: N/A
 Rust Noduling/Pitting: Approx. < 5% Depth: 1/16"
 Scaling: N/A
 Other Corrosion(specify): N/A
 Oxidation: Approx. < 10%
Overall Condition: Good to Fair
Additional Notes:
 - Made of PVC plastic w/ minimal discrepancies
 - Oxidation, corrosion, & rust noduling localized around penetration
 - Penetrates approx. 2' above floor & turns down 90°
 - Minor sediment / corrosive staining noted



Float Condition

Float Location: 12:45
Float Condition: Fair
 Float Sealed? Y N
 Guidelines Condition: Good to Fair
 Attached Properly? Y N
 Cable Condition: Poor
 Attached Properly? Y N
 Hardware Condition: Poor
Coating Condition: Good to Fair

Corrosion Ratings(%):
 None: N/A
 Uniform Surface Corrosion: Approx. < 8%
 Crevice Corrosion: N/A
 Rust Noduling/Pitting: Approx. < 2% Depth: N/A
 Scaling: N/A
 Other Corrosion(specify): N/A
 Oxidation: Approx. < 10%
Overall Condition: Poor
Additional Notes:
 - Minor oxidation, corrosion, & rust noduling present on float & hardware
 - Float is not guided by the guide wires & is tangled around them
 - Roof penetrations are discrepancy free
 - Float has failed



Overflow Condition

Overflow Location: 1:30
Overflow Ratings:
 De-lamination: N/A
 Staining: N/A
 Blistering: N/A
 Chalking: N/A
 Checking: N/A
 Cracking: N/A
 Growth: N/A
 Pinholes: N/A
 Saggs/Runs: N/A
Seams/Welds Condition: Good
 Is anything blocking the flow? Y N
 Description: N/A

Coating Present? Y N
 Type: None
 Type: None
 Type: None

Corrosion Ratings(%):
 None: N/A
 Uniform Surface Corrosion: N/A
 Crevice Corrosion: N/A
 Rust Noduling/Pitting: N/A
 Scaling: N/A
 Other Corrosion(specify): N/A
 Oxidation: N/A
Overall Condition: Good to Fair
Additional Notes:
 - Tank equipped w/ two(2) frog eye overflows
 - Minor seam deterioration present
 - Minor bug-holing to small pop-outs / spalling
 - Screen material fully intact on both overflows



Manway Condition

Manway Location: 3:00

Manway Ratings:

- De-lamination: Minor
- Staining: Minor
- Blistering: N/A
- Chalking: N/A
- Checking: N/A
- Cracking: N/A
- Growth: N/A
- Pinholes: N/A
- Saggs/Runs: N/A

Coating Present? Y N

Type: Corrosive / Sediment

Type: None

Type: None

Corrosion Ratings(%):

- None: N/A
- Uniform Surface Corrosion: Approx. < 15%
- Crevice Corrosion: N/A
- Rust Noduling/Pitting: Approx. < 30% Depth: 1/16"
- Scaling: N/A
- Other Corrosion(specify): Galv: Approx. < 50%
- Oxidation: Approx. < 65%

Overall Condition: Fair to Poor

Additional Notes:

- Moderate to heavy galvanic corrosion & rust noduling present on lid
- Moderate gasket deterioration present
- Oxidation, corrosion, & rust noduling noted throughout steel insert
- Minor corrosive / sediment staining present
- Minor to moderate d-lamination unlocalized throughout

Seam/Welds Condition: Good to Fair

Gasket Condition: Poor



Additional Pictures

Resin Inside Reservoir



Resin Inside Reservoir



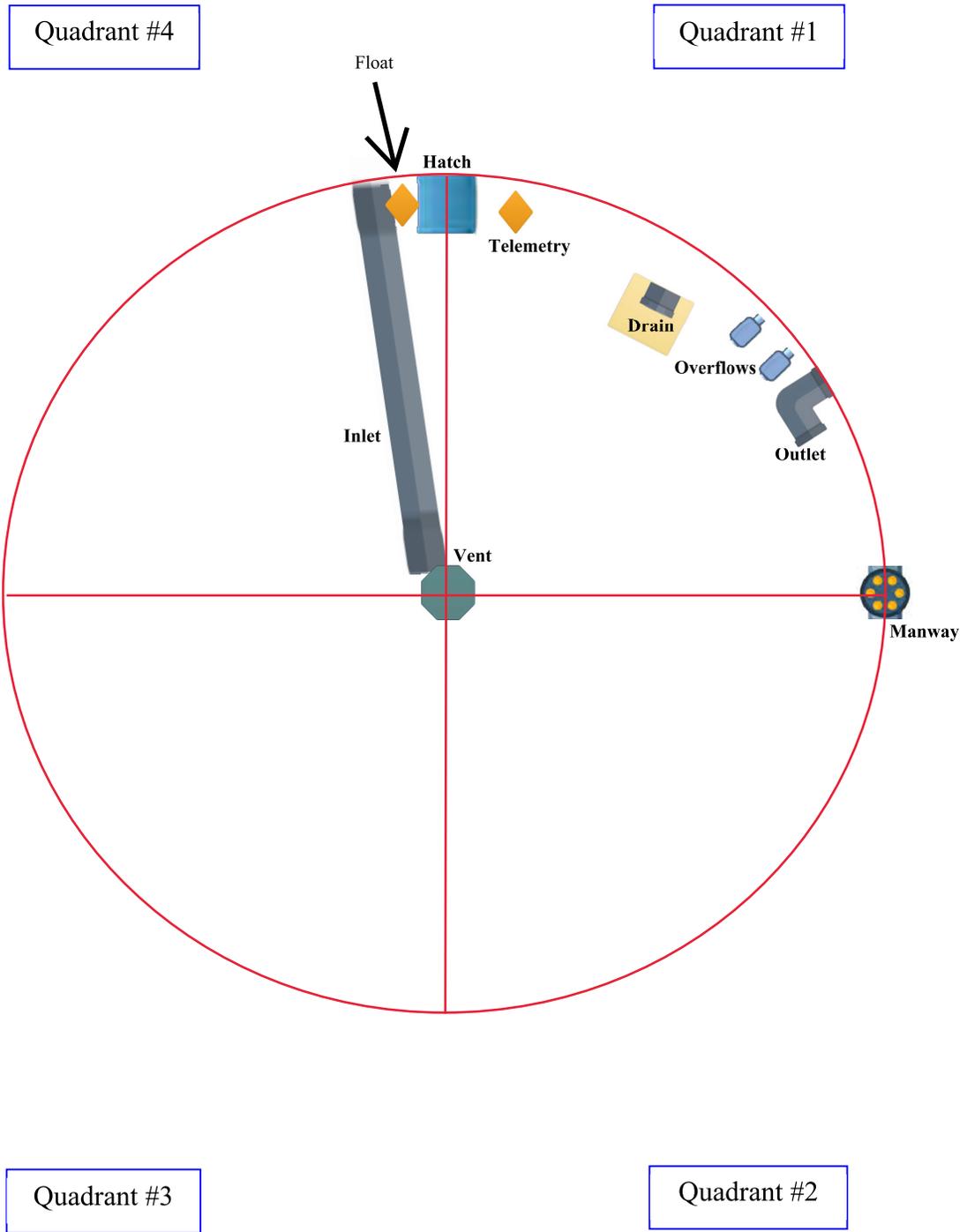
External Inlet



Debris on Roof



Tank Layout



Client: City of Margate
Asset ID: 2MG GST

Date: 04/04/2025

