



## WATER TANK INSPECTION REPORT

**Town, City, Agency:** Lybrook Water Association      **Date:** 8/20/2016

**Tank#:** 1      **Tank Capacity:** 50      **Dia.:** 24      **High:** 16

**Current Water Level:** 10      **Tank Location:** South Tank

**Elevated Tank :**       **Ground Level Tank :**       **Under ground Concrete Tank :**

**Bolted**       **Welded :**       **Riveted :**       **Concrete :**

**Type of service to be performed:**

**Video Inspection Only**

**Still Photography Only**

**Complete inspection with vacuum cleaning**

**Depth of sediment, over 2"** \_\_\_\_\_

**Additional cost to remove sediment** \_\_\_\_\_

**Additional cost for coating repairs** \_\_\_\_\_



# C W Divers

---

## Exterior Tank Inspection

**Tank Foundation:** (concrete retainer ring, pad, soil erosion)

4                       3                       2                       1

Light soil erosion

Tank supported by gravel pad w/steel ring

Light erosion on foundation; rocks are dropping under steel ring.

**External Ladder Condition:** (bolts, rungs, welds, security, fall protection)

4                       3                       2                       1

Ladder welded to shell

Has no security lock

Ladder has full fall protection. No security door in-place.

**External Tank Roof Condition:** (hatch, open areas)

4                       3                       2                       1

No open to atmosphere locations

Hatch found in unlocked position

Roof is in good condition, no rusting, and only minor chalking present.

**Roof Vent:** (screen condition, adequate vent)

4                       3                       2                       1

Roof vent screen in place

Roof vent is adequate

Roof vent is in good condition.

**Exterior Paint System:** (cracking, peeling, chalking, rock damage or graffiti)

4                       3                       2                       1

Exterior paint system in fair condition

Paint system damaged by rocks

Paint is on good conditon, minor chalking on shell.



**Water Tank Inspection Report  
Internal Inspection**

**Depth of Sediment, Color, Sand or Silt:**

Depth of Sediment is: 1/4" Sandy Average Sediment is: 1/4"

Steel Structures Painting Council SSPC-VIS 2  
Standard Method of Evaluating Degree of Rusting on Painted Surfaces

Rust Grade	Description	Rust Grade	Description
10	No Rusting	3	10% to 16%
9 to 7	.3% to 1%	2	16% to 33%
6 to 5	1% to 3%	1	33% to 50%
4	3% to 10%	0	Greater than 50%

**Interior Ceiling Panels:** Rust Grade 9 Spot  General  Pinpoint

Coating Condition:

4  3  2  1

Ceiling panels in good condition

No peeling paint, panels welded on seams on inside.

**Interior Ceiling Rafters:** Rust Grade 9 Spot  General  Pinpoint

Coating Condition:

4  3  2  1

Coating on rafters in good condition

Minor rust bleed between rafters and ceiling panels. Peeling paint on rafter over overflow box..

# C W Divers

Steel Structures Painting Council SSPC-VIS 2  
Standard Method of Evaluating Degree of Rusting on Painted Surfaces

Rust Grade	Description	Rust Grade	Description
10	No Rusting	3	10% to 16%
9 to 7	.3% to 1%	2	16% to 33%
6 to 5	1% to 3%	1	33% to 50%
4	3% to 10%	0	Greater than 50%

**Ceiling Rafter Clips and Bolts:** Rust Grade \_\_\_\_\_ Spot  General  Pinpoint

Coating Condition:

4  3  2  1

N/A

**Overflow:** Rust Grade 9 Spot  General  Pinpoint

Coating Condition:

4  3  2  1

External Over-Flow Piping

Weir box at 6:00 position. Severe corrosion on inside of overflow box.

**Ring Wall #4:** Rust Grade \_\_\_\_\_ Spot  General  Pinpoint

Coating Condition:

4  3  2  1

N/A

# C W Divers

Steel Structures Painting Council SSPC-VIS 2  
Standard Method of Evaluating Degree of Rusting on Painted Surfaces

Rust Grade	Description	Rust Grade	Description
10	No Rusting	3	10% to 16%
9 to 7	.3% to 1%	2	16% to 33%
6 to 5	1% to 3%	1	33% to 50%
4	3% to 10%	0	Greater than 50%

**Ring Wall #3:** Rust Grade \_\_\_\_\_ Spot  General  Pinpoint

Coating Condition:

4  3  2  1

N/A

**Ring Wall #2:** Rust Grade 10 Spot  General  Pinpoint

Coating Condition:

4  3  2  1

Coating in excellent condition

Observed no coating defects.

**Ring Wall #1 (Bottom):** Rust Grade 10 Spot  General  Pinpoint

Coating Condition:

4  3  2  1

Coating in excellent condition

Manway at 8:00 position, in excellent condition.

# C W Divers

Steel Structures Painting Council  
Standard Method of Evaluating Degree of Rusting on Painted Surfaces

SSPC-VIS 2

Rust Grade	Description	Rust Grade	Description
10	No Rusting	3	10% to 16%
9 to 7	.3% to 1%	2	16% to 33%
6 to 5	1% to 3%	1	33% to 50%
4	3% to 10%	0	Greater than 50%

**Corner Weld:** Rust Grade 10 Spot  General  Pinpoint

Coating Condition:

4  3  2  1

Corner Weld Coating In Excelent Condition

Observed no cracking of coating. No corrosion in corner weld.

**Floor:** Rust Grade 10 Spot  General  Pinpoint

Coating Condition:

4  3  2  1

Coating on floor in excellent condition

Weld seams very smooth. No blisters or measurable corrosion.

**Inlet/Outlet Piping:** Rust Grade 9 Spot  General  Pinpoint

Coating Condition:

4  3  2  1

Common

Inlet at 5:30 position, 4" diameter pipe, 6" riser.

Drain at 6:00 position 4" diameter.

# C W Divers

Steel Structures Painting Council  
Standard Method of Evaluating Degree of Rusting on Painted Surfaces

SSPC-VIS 2

Rust Grade	Description	Rust Grade	Description
10	No Rusting	3	10% to 16%
9 to 7	.3% to 1%	2	16% to 33%
6 to 5	1% to 3%	1	33% to 50%
4	3% to 10%	0	Greater than 50%

**Roof Support Pads:** Rust Grade 10 Spot  General  Pinpoint

Coating Condition:

4  3  2  1

Roof support pad in excellent condition

Welded to floor, no blistering, no pinpoint rust, very good condition.

**Vertical Roof Support:** Rust Grade 9 Spot  General  Pinpoint

Coating Condition:

4  3  2  1

Vertical roof support pole in good condition

Minor corrosion at edges of dollar plate.

**Tank Interior Ladder:** Rust Grade \_\_\_\_\_ Spot  General  Pinpoint

Coating Condition:

4  3  2  1

N/A

# C W Divers

## Weld Seam Inspection

A-Satisfactory      B-Splatter      C-Porosity      D-Convexity/Concavity      E-Cracks  
G-Incomplete Fusion      H-Incomplete Penetration      I-Undercut      J-Under Fill      K-Over lap  
Z-Unable to evaluate; welds masked by coating

Floor Weld Seams A      Shell Weld Seams      Ring #1 A      Ring #2 A  
Ring #3      Ring #4  
Ring #5      Ring #6

**Structural Condition:** (bolts, rivets welds man way fasteners, nozzles, gaskets, general corrosion)

4       3       2       1

Structural condition is excellent, no corrosion

Observed no corrosion, no blisters. Tank in very good condition.

### Recommendations:

Remove brush from 7:00 position, tank exterior. Repair gravel excaping from retainer ring at tank base. No other action is necessary./

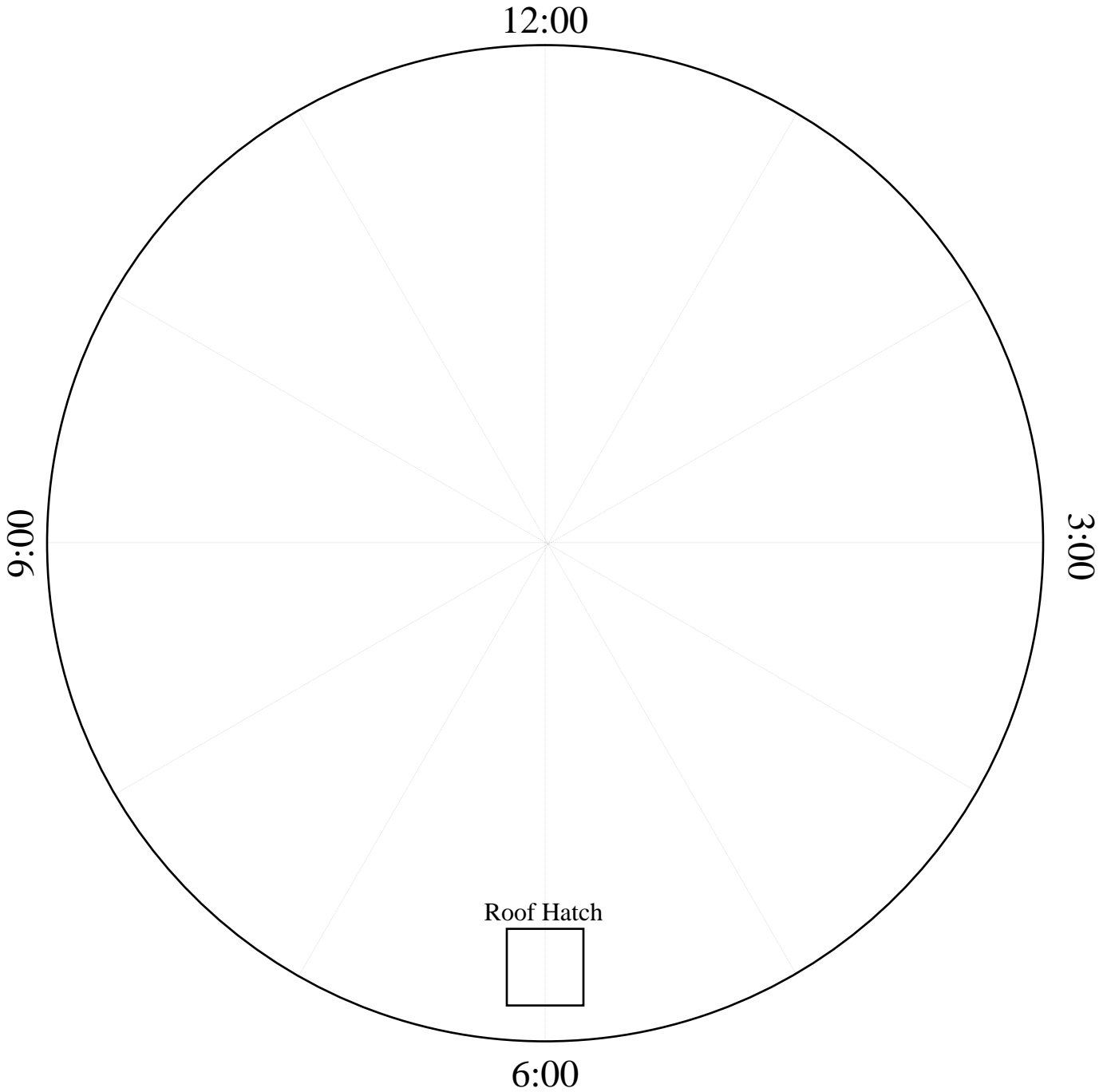
NACE Level III Coatings Inspector #763 \_\_\_\_\_ Date \_\_\_\_\_

# Storage Tank Internal Penetration Layout

Inlet Position: \_\_:\_\_    Outlet Position: \_\_:\_\_    Drain Position: \_\_:\_\_

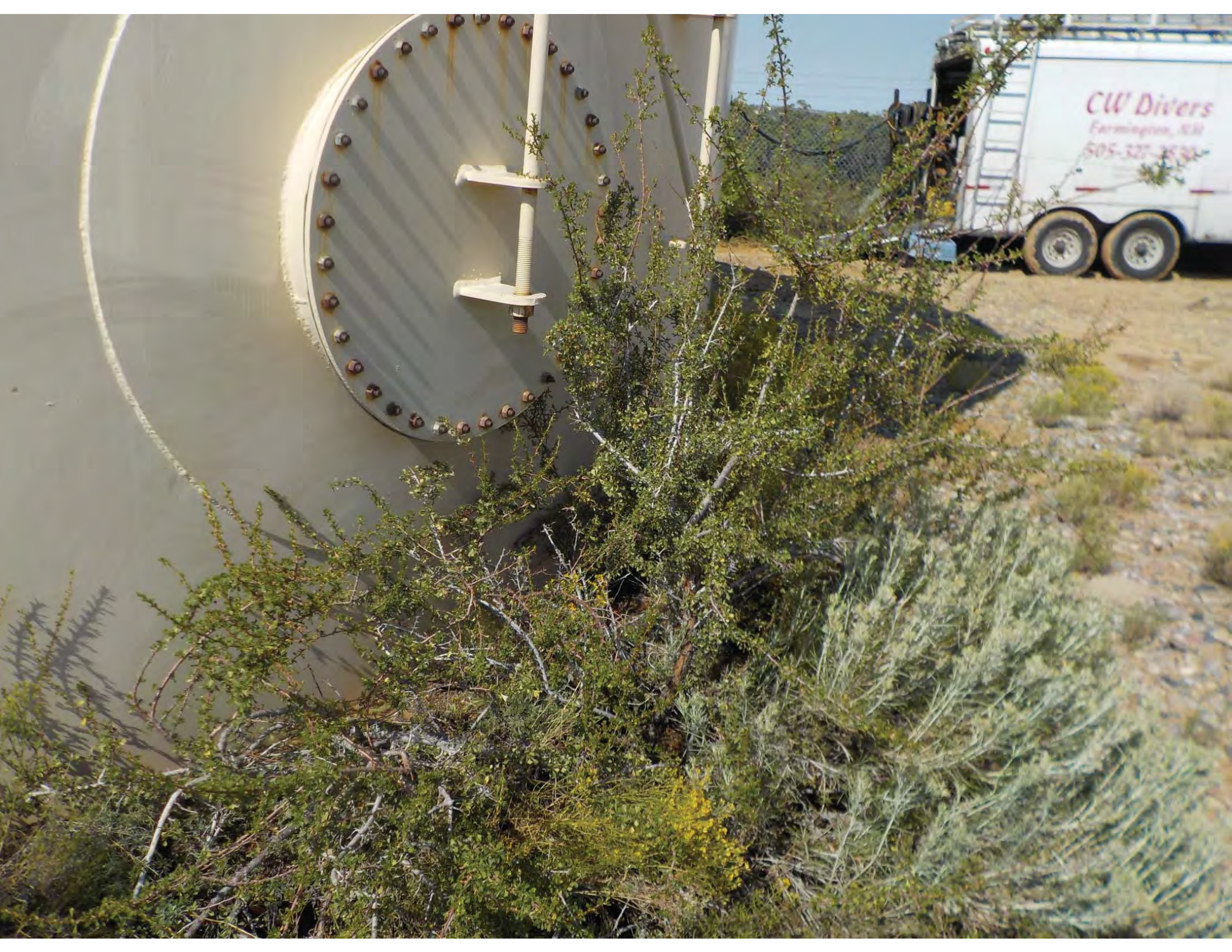
Over Flow Position: \_\_:\_\_    Shell Manways: \_\_:\_\_ / \_\_:\_\_

Other Penetrations:





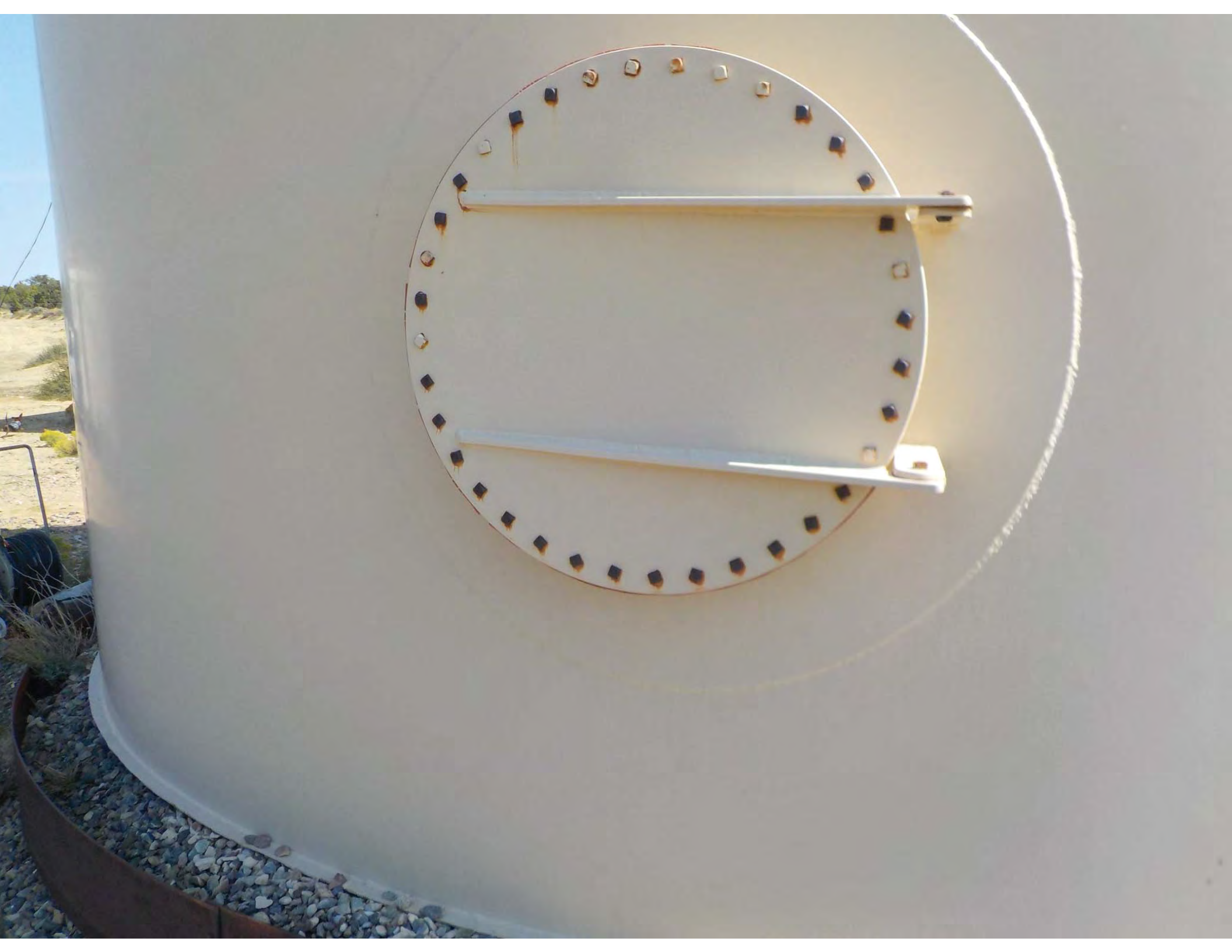




*CW Divers*  
Farmington, NJ  
505-327-2530











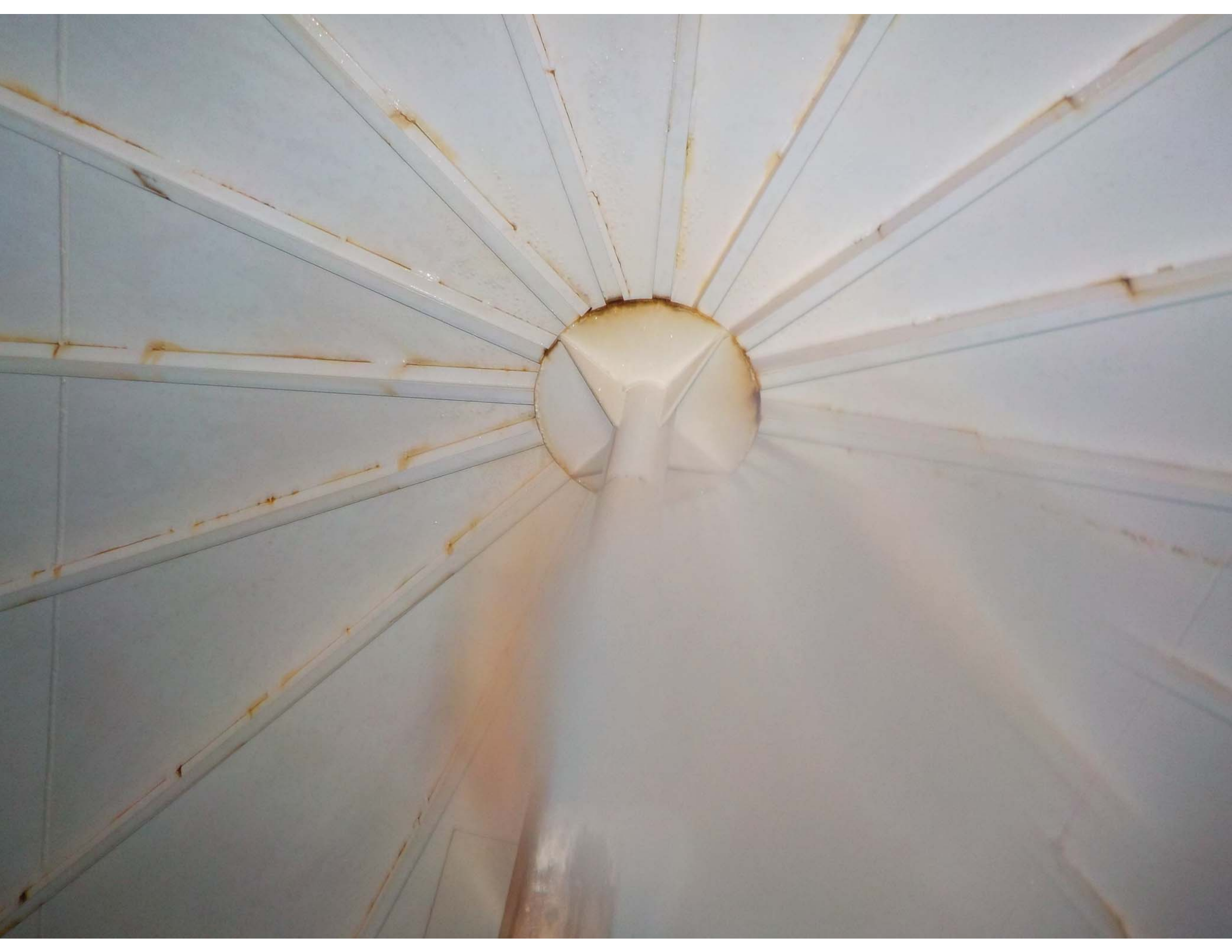








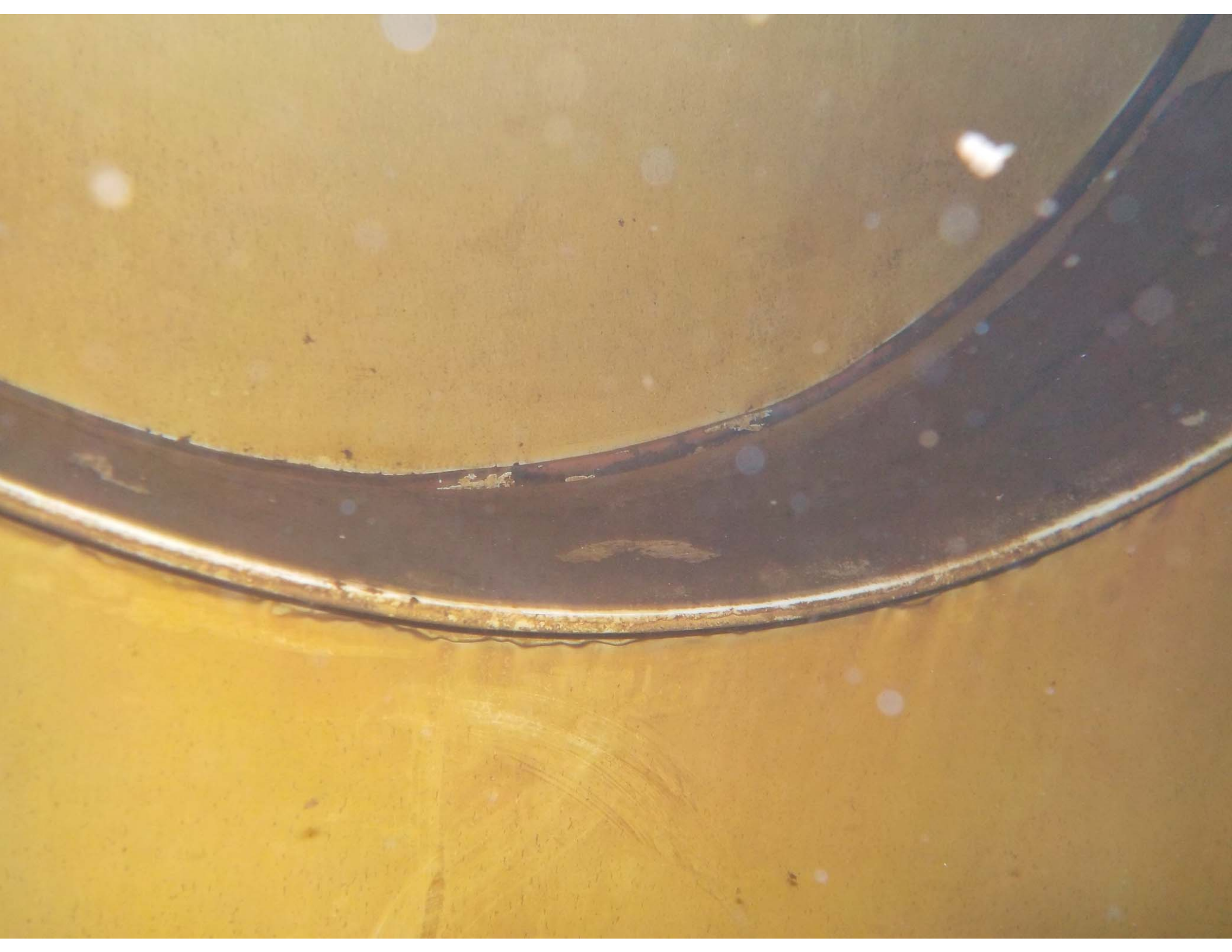
















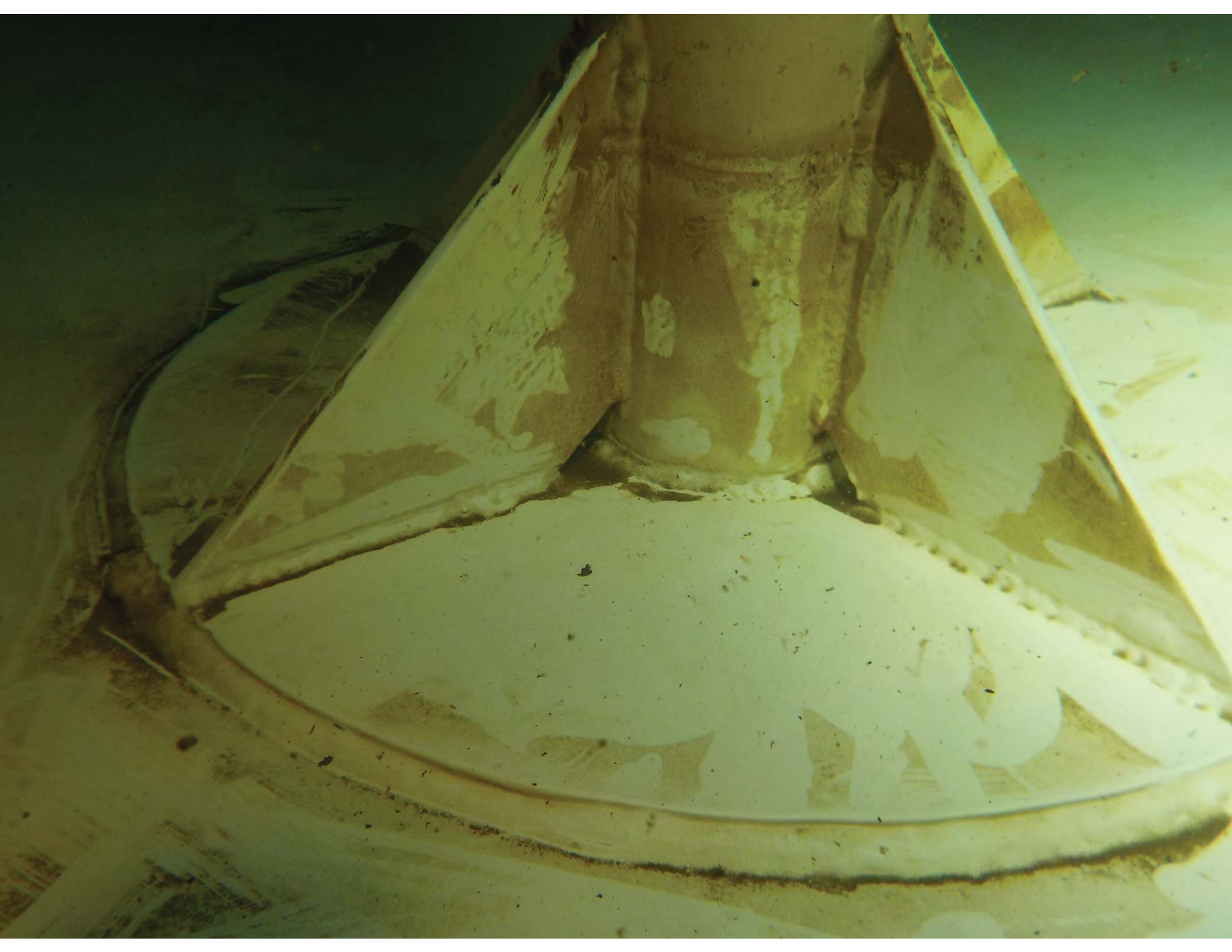


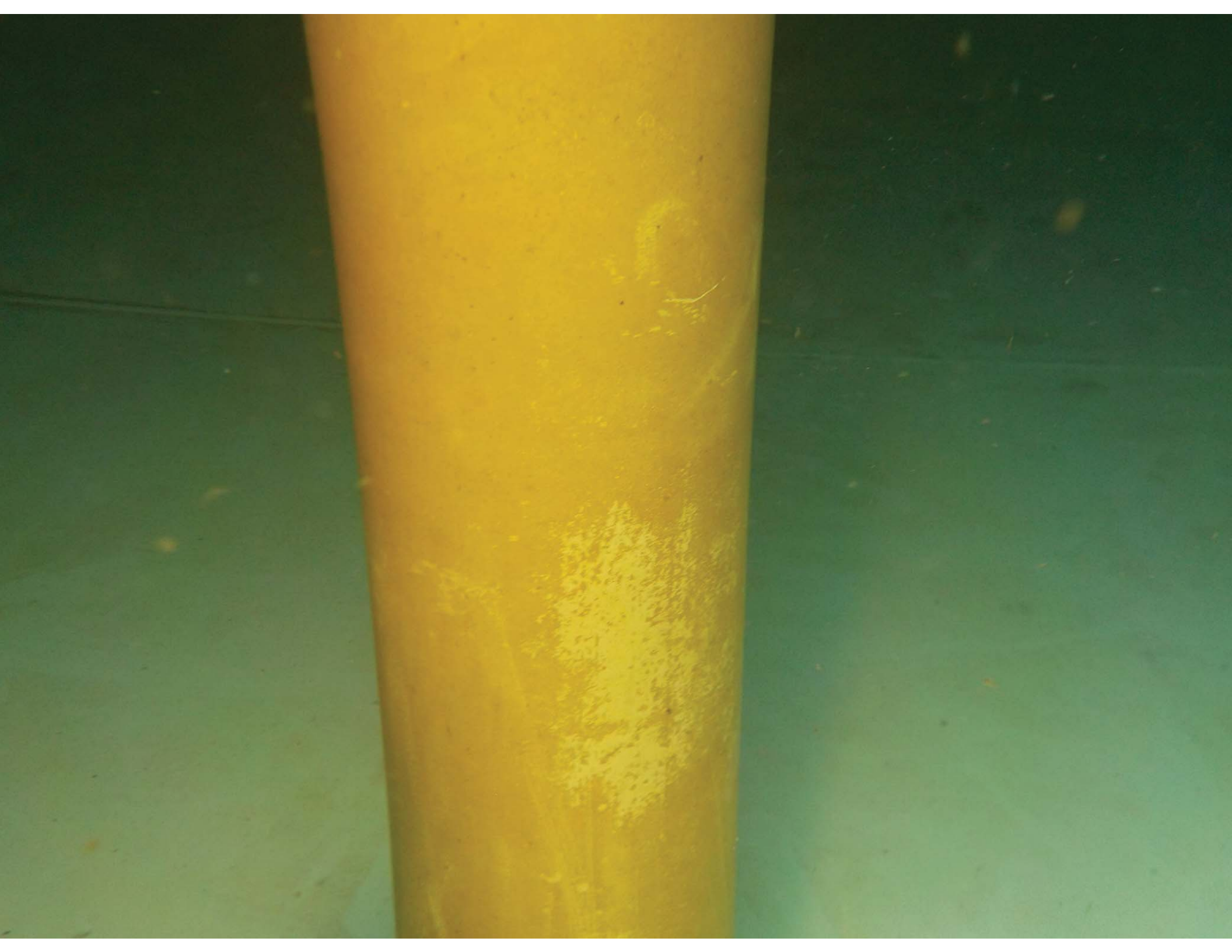
















































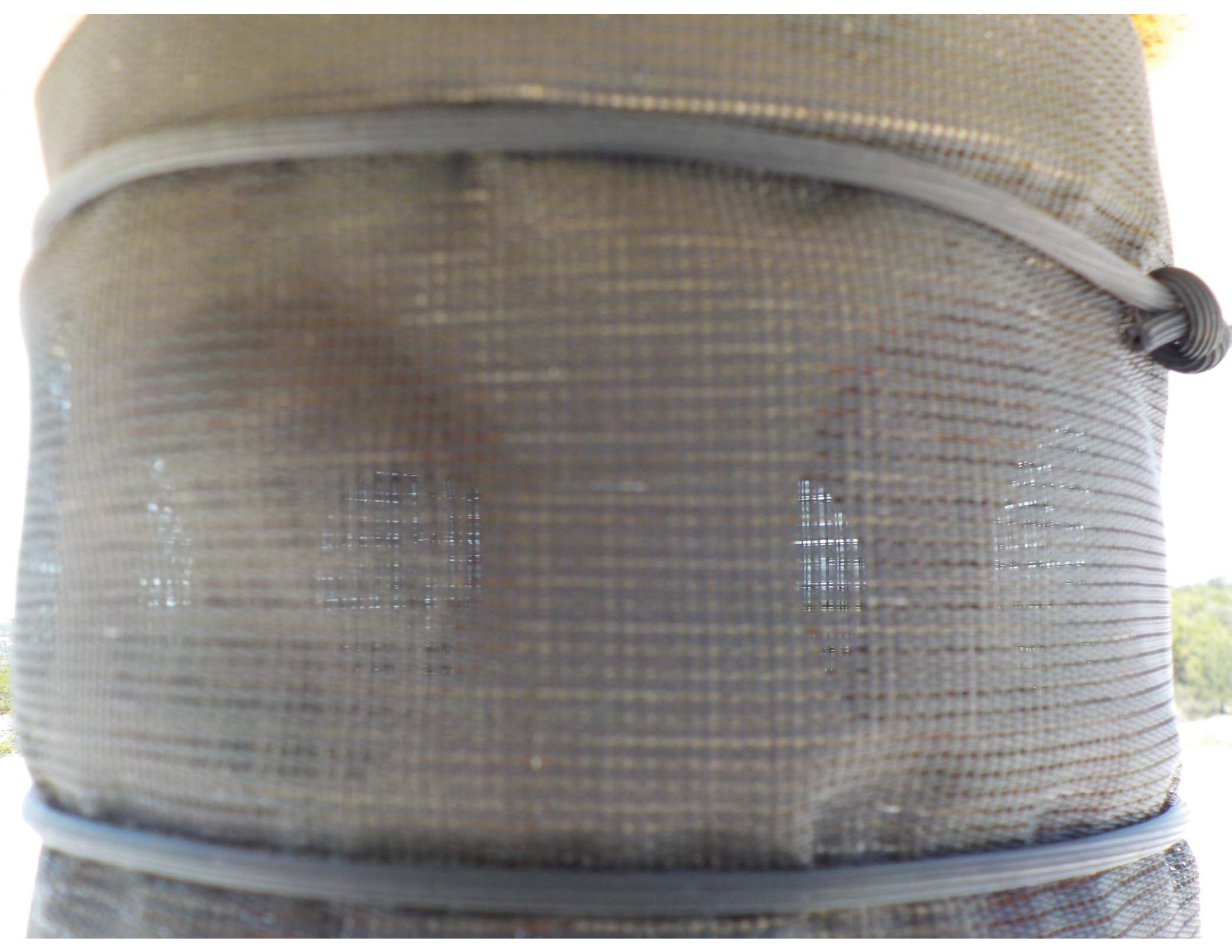












## **EXHIBIT C**

**Lybrook MDWCA Existing Facilities Photographs**





16



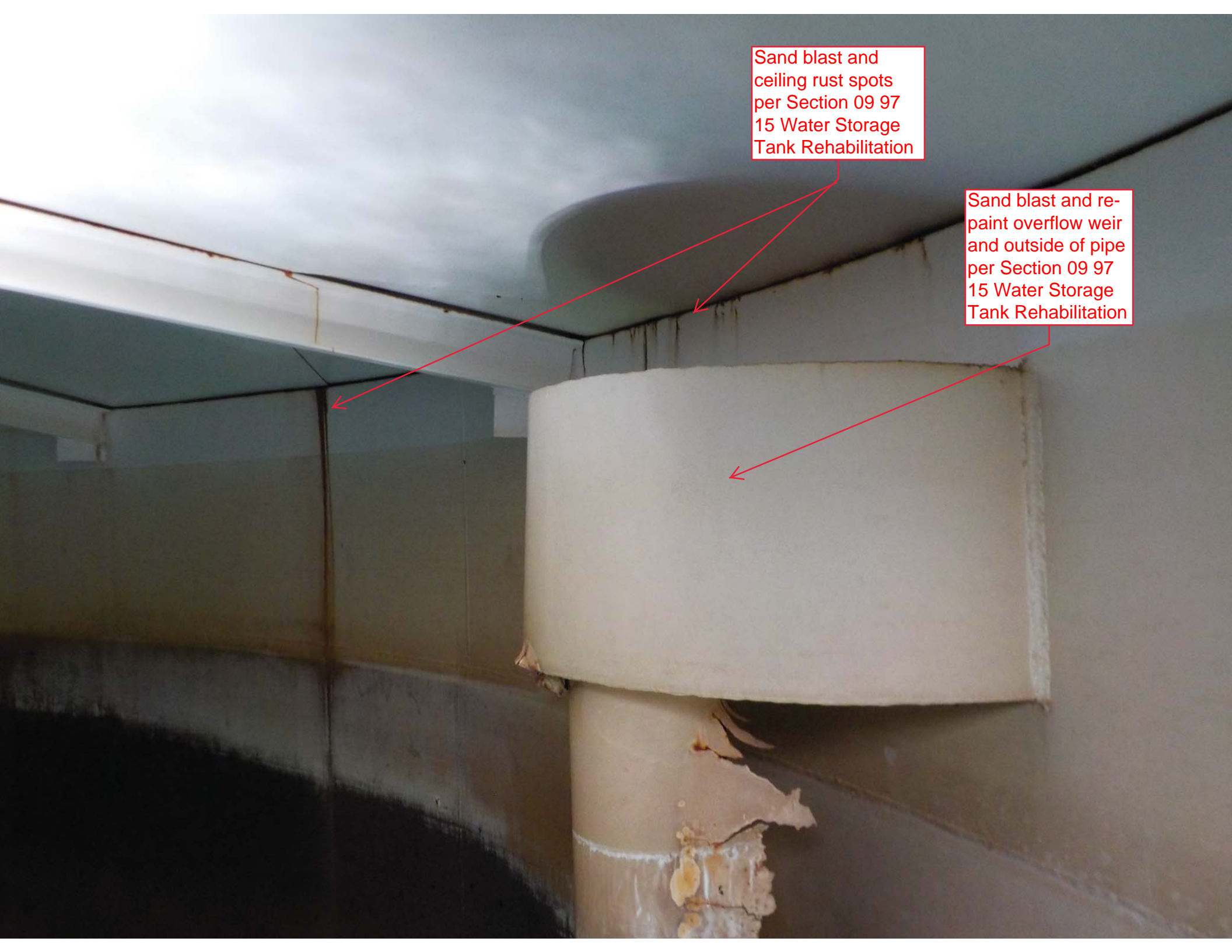
Sand blast and re-paint tank ladder per Section 09 97 15 Water Storage Tank Rehabilitation


Replace float per Section 33 16 35 Water Storage Tank Modifications



Sand blast and ceiling rust spots per Section 09 97 15 Water Storage Tank Rehabilitation

Sand blast and re-paint overflow weir and outside of pipe per Section 09 97 15 Water Storage Tank Rehabilitation





Sand blast and re-  
paint overflow weir  
and outside of pipe  
per Section 09 97  
15 Water Storage  
Tank Rehabilitation

Sand blast and  
ceiling rust spots  
per Section 09 97  
15 Water Storage  
Tank Rehabilitation



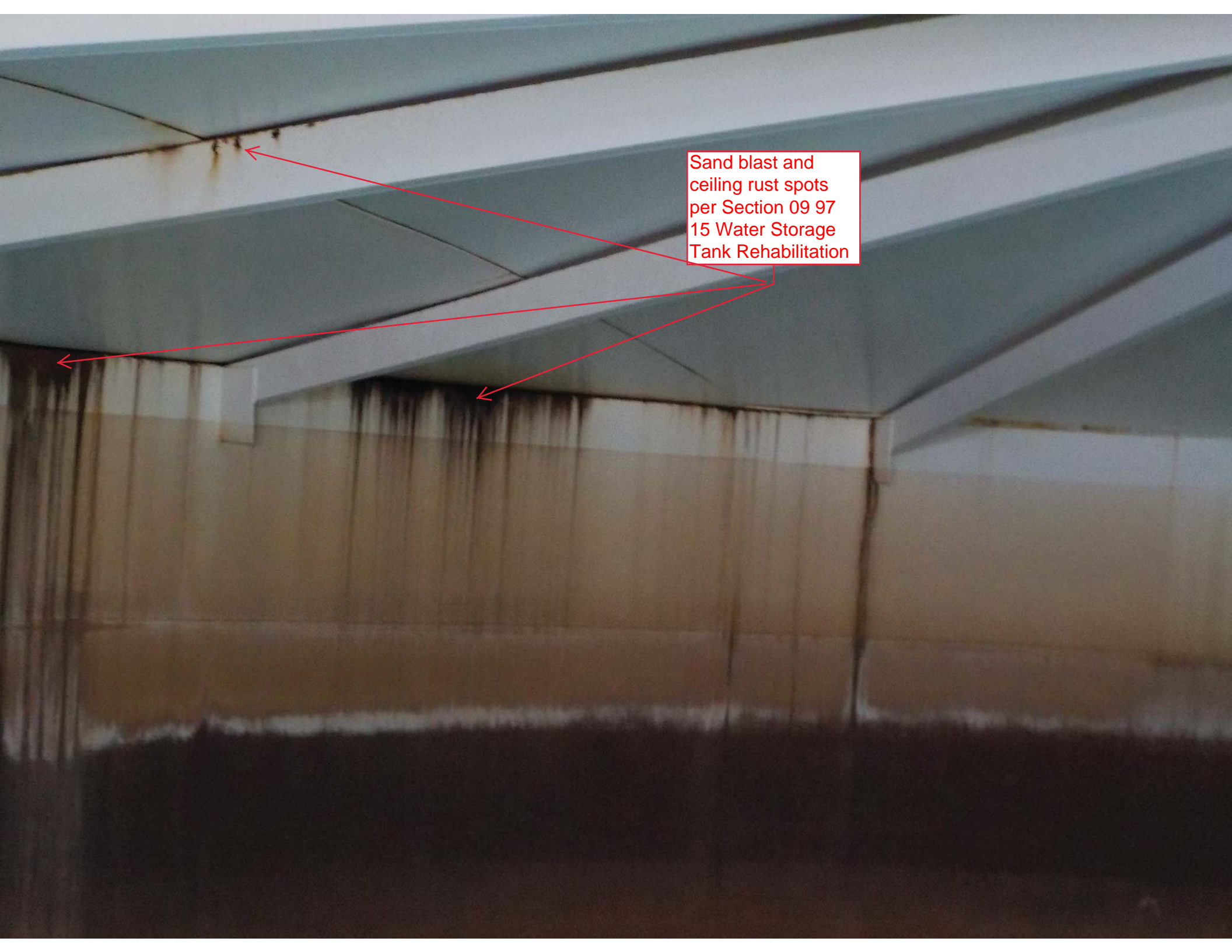
Replace float per  
Section 33 16 35  
Water Storage  
Tank Modifications



Sand blast and  
ceiling rust spots  
per Section 09 97  
15 Water Storage  
Tank Rehabilitation



Sand blast and  
ceiling rust spots  
per Section 09 97  
15 Water Storage  
Tank Rehabilitation



Sand blast and  
ceiling rust spots  
per Section 09 97  
15 Water Storage  
Tank Rehabilitation

