

Note: This is what we refer to as Tank #1

Underwater Inspections
Welding & Burning
Specializing in Water
Tank Inspections

C W Divers
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Cathodic Protection
Member AWWA
NACE Level III
Inspector #763

WATER TANK INSPECTION REPORT

Town, City, Agency: **La Mesa Tank #2** Date: 11/7/2020

Tank#: 2 Tank Capacity: 100K Dia.: 35 High: 13'

Current Water Level: 11' 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 _____



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Exterior Tank Inspection

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

4 3 2 1

Tank supported by gravel pad w/steel ring

Observed no settling.

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

4 3 2 1

Has no fall protection in place

Ladder welded to shell

External Tank Roof Condition: (hatch, open areas)

4 3 2 1

No open to atmosphere locations

Hatch found in locked position

Roof manway has excellent fit.

Roof Vent: (screen condition, adequate vent)

4 3 2 1

Roof vent screen in place

Venting is adequate.

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

4 3 2 1



Observed no peeling paint, no areas of rust.

Water Tank Inspection Report Internal Inspection

Depth of Sediment, Color, Sand or Silt:

Depth of Sediment is: 1/8" Sandy Average Sediment is: 1/8"

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 10 Spot General Pinpoint

Coating Condition:

4 3 2 1

Ceiling panels in excellent condition

No peeling paint. Rust bleed on panel overlaps.

Interior Ceiling Rafters: Rust Grade 10 Spot General Pinpoint

Coating Condition:

4 3 2 1

Coating on rafters in excellent condition



Ceiling Rafter Clips: Rust Grade 9 Spot General Pinpoint

Coating Condition:

4 3 2 1

Rafter clips in good condition

Rust bleed. No peeling paint.

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Ceiling Rafter Bolts: Rust Grade 9 Spot General Pinpoint

Coating Condition:

4 3 2 1

Rafter bolts in good condition



Overflow: Rust Grade 10 Spot General Pinpoint

Coating Condition:

4 3 2 1

External Over-Flow Piping

Over-Flow Supports In Excelent Condition

Weir box style. Weld seam is good. No rust or corrosion.

Ring Wall #4: Rust Grade _____ Spot General Pinpoint

Coating Condition:

4 3 2 1

N/A

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SSPC-VIS 2

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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

No pinpoint rust or blisters.

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

Coating Condition:

4 3 2 1

Coating in excellent condition

The manway is good. Observed no measurable corrosion, no blisters.

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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

No pinpoint rust.

Floor: Rust Grade 10 Spot General Pinpoint

Coating Condition:

4 3 2 1

Coating on floor in excellent condition

Small blisters have broken. No measurable corrosion.

Inlet/Outlet Piping: Rust Grade 9 Spot General Pinpoint

Coating Condition:

4 3 2 1

Common

Has Silt Dam

Two silt dams. 6" pipe. Support pad has no stress cracks.

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Roof Support Pads: Rust Grade 10 Spot General Pinpoint

Coating Condition:

4 3 2 1

Roof support pad in excellent condition

Welded to the floor. No pinpoint rust.

Vertical Roof Support: Rust Grade 10 Spot General Pinpoint

Coating Condition:

4 3 2 1

Vertical roof support pole in excellent condition

Light rust bleed where rafters rest on dollar plate.

Tank Interior Ladder: Rust Grade 10 Spot General Pinpoint

Coating Condition:

4 3 2 1

Ladder in excellent condition

No blisters or corrosion.

Cathodic Protection: Impressed System Passive System

Date installed - _____ Native State - _____ V Current - 2mA On Potential - 1.0V

Condition of Anodes - Good

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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 good, minor corrosion

Observed no measurable corrosion.

Recommendations:

Maintain the cathodic protection and check 2 to 3 times a year. Clean and inspect every 4-5 years. Monitor cathodic protection.

NACE Level III Coatings Inspector #763



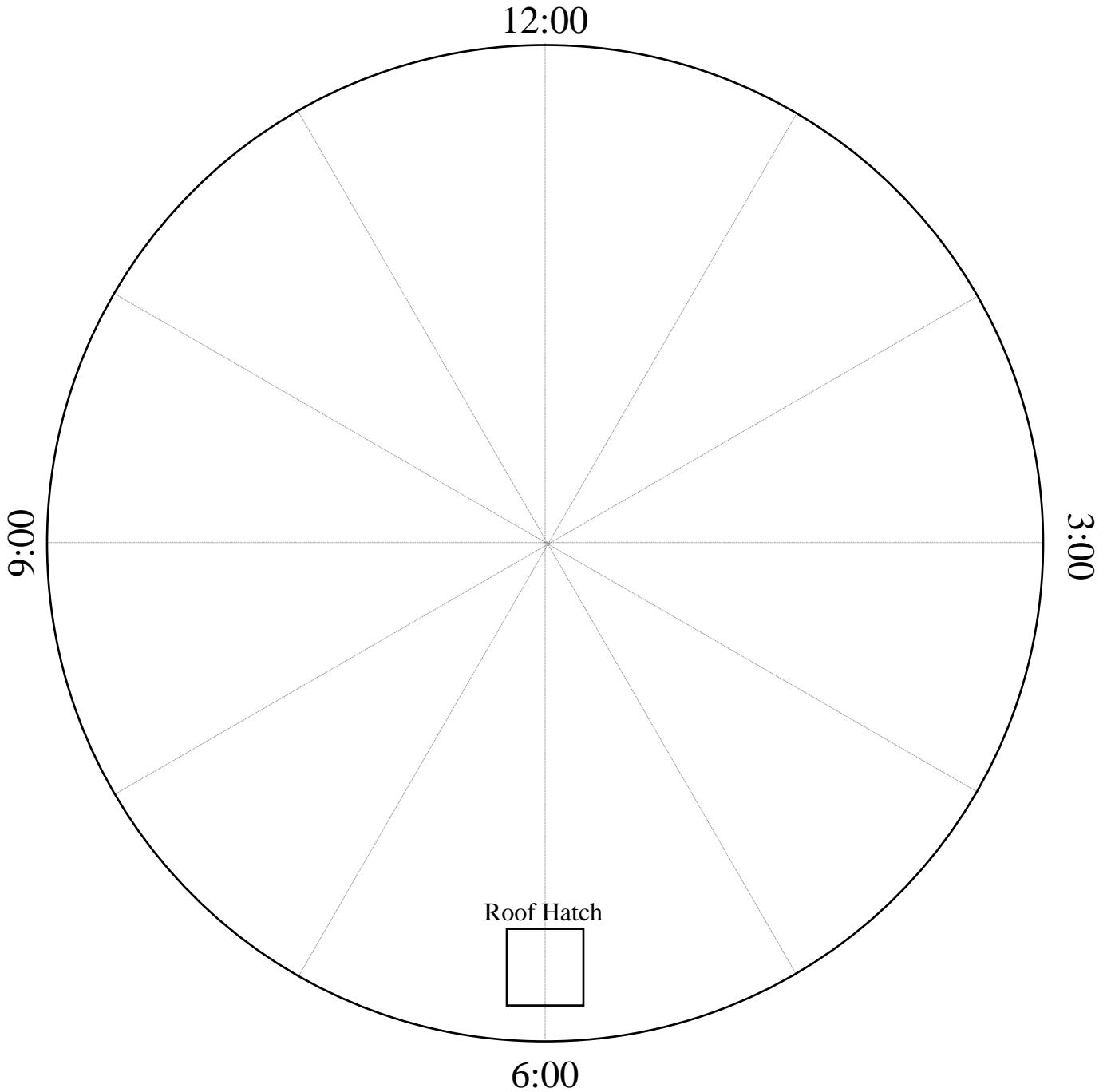
Date 11/07/20

Storage Tank Internal Penetration Layout

Inlet Position: 8:30 Outlet Position: 8:30 Drain Position: 6:30

Over Flow Position: : Shell Manways: 8:30 / :

Other Penetrations:



● = Shell Penetration

● = Floor Penetration

ALL LOCATIONS ARE APPROXIMATIONS ONLY AND NOT TO SCALE