CERTIFICATE OF SUBSTANTIAL COMPLETION

Owner:	City of Sidney, Montana	Owner's Contract No.:	WR23-00-035
Contractor:	Advanced Lining LLC	Contractor's Project No.:	
Engineer:	Interstate Engineering Inc.	Engineer's Project No.:	WR23-00-035
Project:	200,000 Gal On-Ground Water Storage Tank Relining	Contract Name:	Base Bid

This ~~[preliminary]~~ [final] Certificate of Substantial Completion applies to:

☒ All Work ☐ The following specified portions of the Work: _____

November 8, 2023
Date of Substantial Completion

The Work to which this Certificate applies has been inspected by authorized representatives of Owner, Contractor, and Engineer, and found to be substantially complete. The Date of Substantial Completion of the Work or portion thereof designated above is hereby established, subject to the provisions of the Contract pertaining to Substantial Completion. The date of Substantial Completion in the final Certificate of Substantial Completion marks the commencement of the contractual correction period and applicable warranties required by the Contract.

A punch list of items to be completed or corrected is attached to this Certificate. This list may not be all-inclusive, and the failure to include any items on such list does not alter the responsibility of the Contractor to complete all Work in accordance with the Contract.

The responsibilities between Owner and Contractor for security, operation, safety, maintenance, heat, utilities, insurance, and warranties upon Owner's use or occupancy of the Work shall be as provided in the Contract, except as amended as follows:

Amendments to Owner's responsibilities:
☐ None
☒ As follows
Continue to monitor tank for future Leaks and notify Engineer and Contractor of future leaks within warrantee period.

Amendments to Contractor's responsibilities:
☐ None
☒ As follows: Repair leaks and address items on final punch list. Respond to future warrantee items as they may arise.

The following documents are attached to and made a part of this Certificate: Punchlist Dated: 10/30/23 and 11/7/23 leaks letter.

This Certificate does not constitute an acceptance of Work not in accordance with the Contract Documents, nor is it a release of Contractor's obligation to complete the Work in accordance with the Contract.

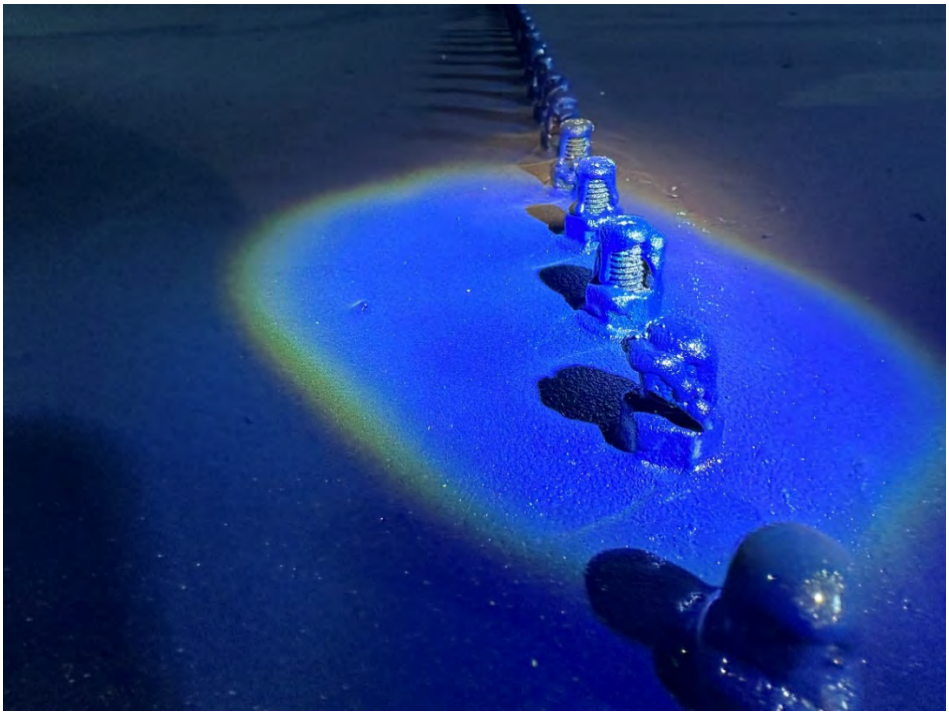
EXECUTED BY ENGINEER:	RECEIVED:	RECEIVED:
By: John Back (Authorized Signature)	By: _____ Owner (Authorized Signature)	By: _____ Contractor (Authorized Signature)
Title: Project Manager	Title: _____	Title: _____
Date: 11/15/23	Date: _____	Date: _____

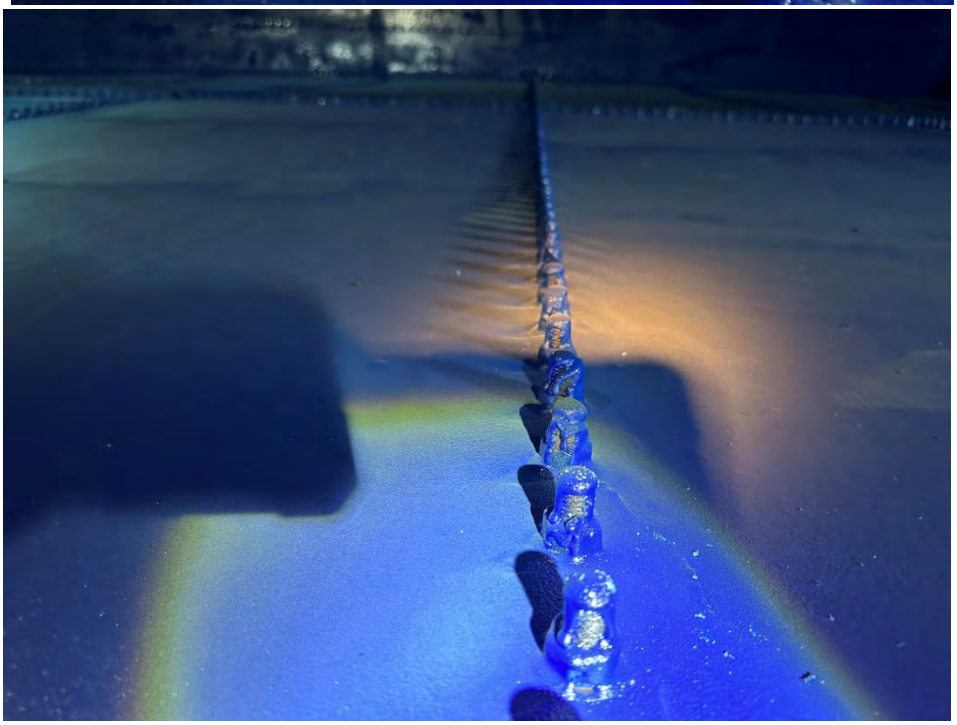
200,000 Gal. on-ground Water Tank Relining Punchlist **REVISED 10/30/23**
Sidney, Montana
WR23-00-035

1. Visual spark testing needs to be completed in the presence of the RPR to the satisfaction of RPR. (Note: AL holiday detector not functioning. Unknown last accurate test)
2. Over Spray on exterior of tank around upper and lower hatches and vent, and on adjacent SCADA building. Picture of upper vent shown below for reference.

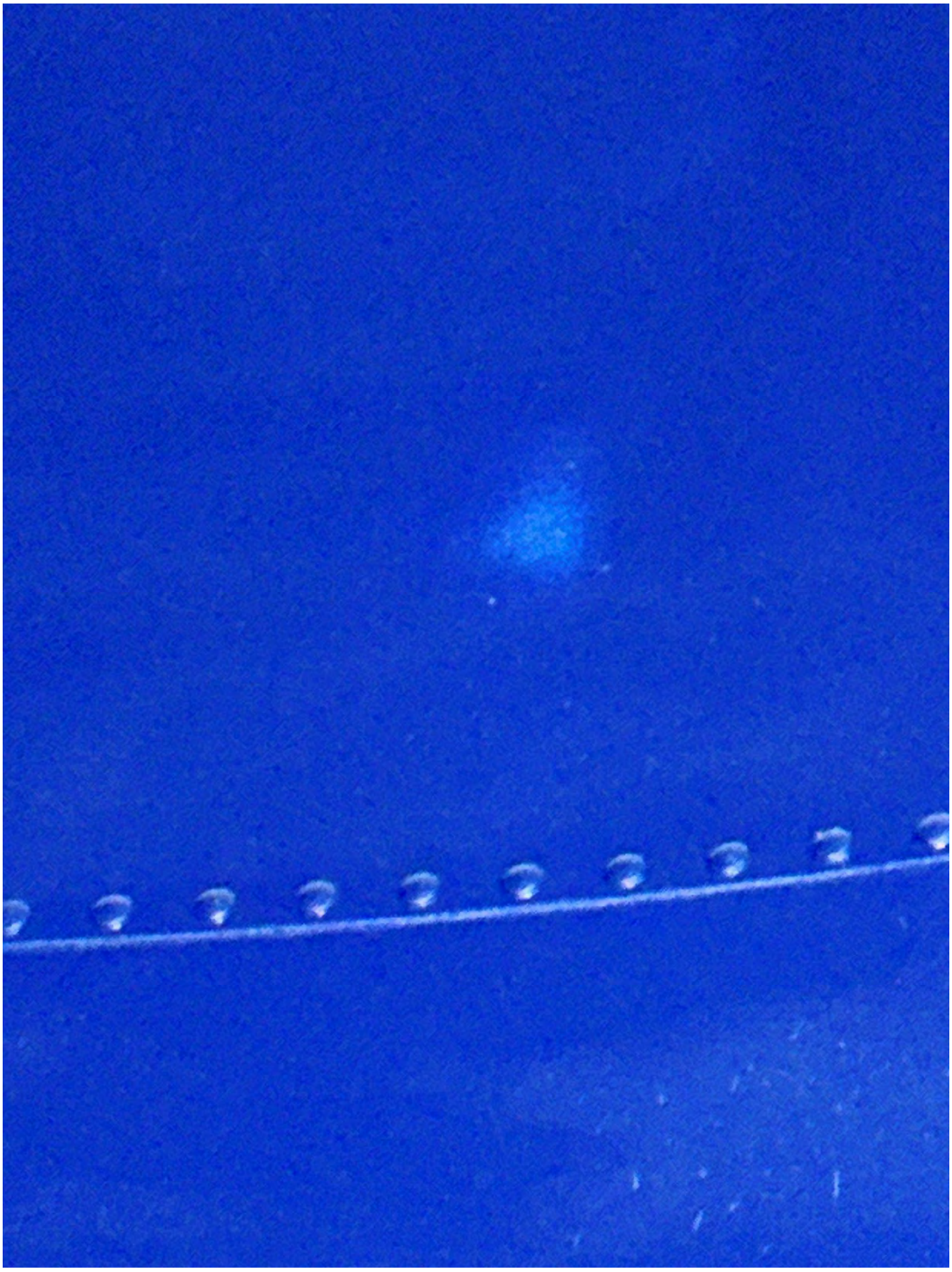
3. Overspray and debris on floor was primed over and relined.

4. Numerous Areas on the floor show bare steel without coating, typically around the bolts. Locations also in and outside of the influent pipe. Representative photos.





5. Areas of wall show primer through coating.

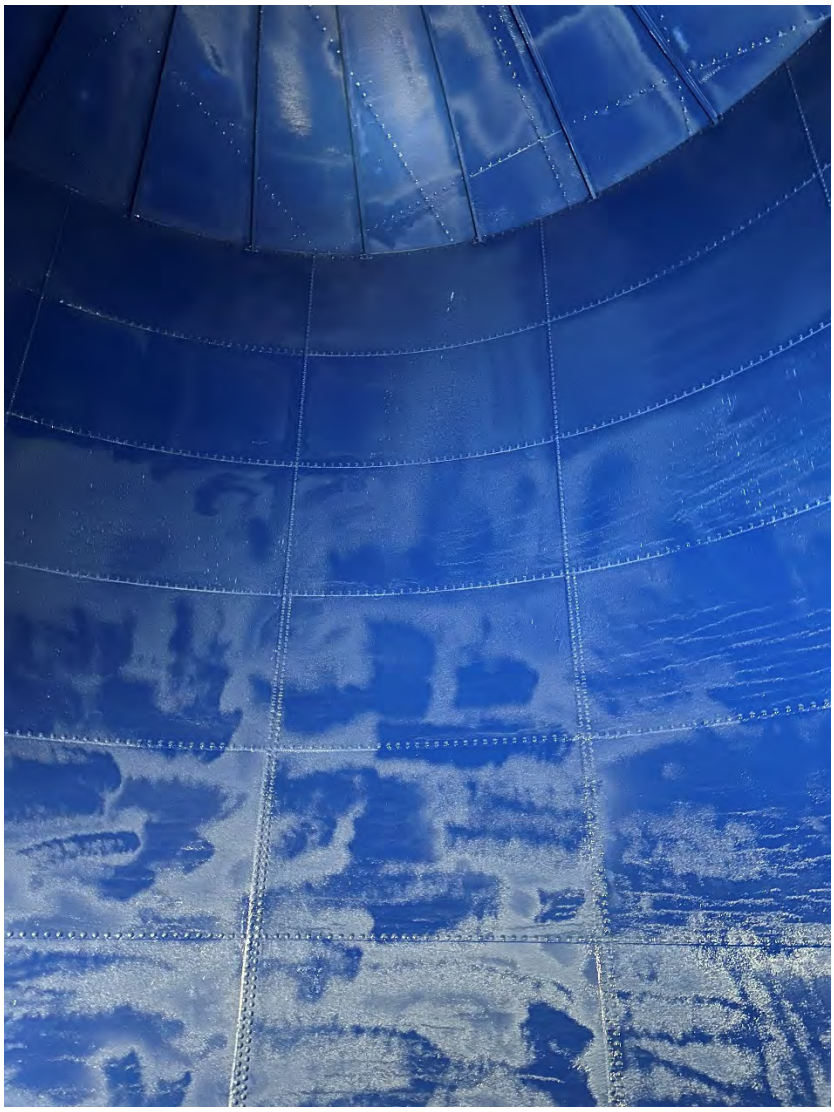


6. Areas on floor show loose caulk around bolts.

7. Oil spots on ground exterior of the tank from vac truck operation need to be cleaned up or rehabilitated. See Photo.

8. Loose blasting media from broken bags needs to be removed. (outside of tank)
9. Excess blasting media (2-pallets) needs to be removed from the site.
10. Reseal of lower hatch to ensure gasket seals.
11. Chlorination and filling of tank – Completed by Peak Water Services.
12. Final interior cleaning of tank. – Sand and debris left on the internal of the tank.
13. Primer drips are visible on the interior walls.
14. Certified payroll for all employees and subcontractors needs to be submitted to IEI prior to final payment.
15. Lower Access hatch needs to be sanded down, and recoated. The AL and Obic brand was stamped into the flange face, and will prevent sealing.
16. Areas where primer was dripped were recoated after 8 hour reapplication window. How will this be handled?
17. Areas where recoating needs to occur and the 24 hour recoat window has passed, how will this be handled?

18. Quality Assure is needed on the Top two panels.



19. Repair areas of delamination

20. Entire interior of tank to be retested and areas exhibiting holidays to be prepped and relined.
21. Floor to be tested and corrected following scaffolding removal.
22. Unconditional Lien releases from all subcontractors and suppliers need to be submitted to IEI prior to final payment.
23. Floor to be mopped prior to filling.

INTERSTATE ENGINEERING
Professionals You Need, People You Trust

November 8, 2023

Seth Huggins
Advanced Linings
81 Gold Miner Lane Unit A
Belgrade, MT 59714

Via Email: *Seth@advlining.com*

Re: 200,000 Gal On-Ground Water Storage Tank Relining

Dear Seth,
Upon filling the tank on the above referenced project, the City of Sidney has identified multiple leaks present from the exterior of the tank and blemishes on the interior of the tank along the upper access hatch. The quantity of leaks have increased over the last 7XX days. As of today there are 13 active leaks that have been identified and two other noticeable lining blemishes. Some of these leaks are in locations where previous leaks were found, and others are at new locations of the lining process. These leaks are identified on the attached pictures, and as described below:

Tank Positions are taken as the bottom access hatch at 12:00, and continue in a clockwise direction.

Leak #1: Tank position 11:40, Approximately 2.5 inches above ground level. This leak is visible outside of the tank at the seam.

Leak #2: Tank Position 10:30, Three leaks approximately 2.5 inches, 8 inches, and 18 inches above ground level. These leaks are visible from the seam between tank panels. The arrows indicate areas where the leaks are visible. These leaks were not present prior to the project.

Leak #3: Tank Position 9:00, Approximately 2.5 inches above ground level. This leak is visible at the seam between the bottom flange, and the bottom wall panel.

Leak #4: Tank Position 8:00, This leak is visible for approximately 9 inches along the tank seam on the bottom panel.

Leak #5: Tank Position 7:00, visible approximately 18 inches above ground level, along the seam.

Leak #6: Tank Position 6:00, this is a flowing leak approximately 2.5 inches above ground level and is visible at the flange seam.

Leak #7: Tank position 5:00, is visible approximately 14 inches above ground level, along the tank seam.

Leak #8: Tank position 4:00, is visible approximately 18 inches above ground level along the tank seam.

Leak #9: Tank position 3:00, is visible approximately 2.5 inches above ground level at tank flange seam.

Leak #10: Tank Position 2:00, is visible approximately 6 inches above ground level at tank seam.

Leak #11: Tank Position 11:45, leak is visible approximately 26 feet above ground level, and flowing down the panel.

Leak #12: Tank position 3:30, is visible approximately 29 feet above ground level (Base of overflow). This leak is also leaking into the overflow pipe and is filling the overflow pipe with ice in freezing conditions.

Leak #13; Tank position 1:00, approximately 13 feet above ground level. This is a new leak and is visible around the bolts. This was discovered on 11/7/23.

Defect #1: We have also discovered an area where the liner is peeling away from the upper roof access hatch.

Defect #2: Rust spot identified on upper access hatch curb.

We request Advanced Linings review the information and provide a response in writing to each leak and defect by the **end of business on Tuesday, November 14, 2023**. The response shall include the recommended repair and timeline of action. If the timeline for recommended action is in the Spring of 2024, Advanced Linings shall provide recommended monitoring intervals and actions for the City of Sidney between now and then.

The City of Sidney monitored the tank level from Thursday 2, 2023 at 3:30 pm to Monday November 6, 2023 at 8:30 am. During this time, the City of Sidney lost on average 4 gallons per hour. As a result, the City of Sidney is amicable to repairs being completed in the Spring of 2024, unless Advanced Linings recommends more immediate action be taken to prevent any future damage that may occur between now and the Spring of 2024. As a result of Leak #12 and assuming the recommended repair from Advanced Linings will occur in the Spring of 2024, the City of Sidney will operate the tank at a water level below the overflow level.

Additionally, Interstate Engineering has also only received one certified payroll reports from week ending 9/9/23 for this project. We will need certified payroll reports for the remainder of the time work was being performed by Advanced Linings and all subcontractors prior to executing Pay Application Number 2. We have also not received any of the lien releases from your suppliers or subcontractors that are needed for closeout as well. Please provide these documents and a request for Substantial Completion by the end of business on Tuesday, November 14, 2023 if you would like the City to consider Pay Application Number 2 at their regular scheduled council meeting on November 20, 2023. The City Council meets on the 1st and 3rd Monday of each month.

Pictures of the above referenced leaks and defects are attached on the following pages.

If you have any questions, please feel free to reach out.

Sincerely,
INTERSTATE ENGINEERING INC.

John Bach, PE

Cc: File
City of Sidney (via email)

FIGURE 1 - LEAK 1, LOCATION OF PREVIOUS AND EXISTING LEAK

FIGURE 2 - LEAK 2, NEW LEAK APPEARED AFTER LINING

FIGURE 3 - LEAK 3, LOCATION OF PREVIOUS AND EXISTING LEAK

FIGURE 4 - LEAK 4, LOCATION OF PREVIOUS AND EXISTING LEAK

FIGURE 5 - LEAK 5, LOCATION OF PREVIOUS AND EXISTING LEAK

FIGURE 6 - LEAK 6, FLOWING LEAK

FIGURE 7 - LEAK 7, LEAK AT SEAM

FIGURE 8 - LEAK 8, PREVIOUS AND EXISTING LEAK

FIGURE 9 - LEAK 9M PREVIOUS AND EXISTING LEAK AT FLANGE SEAM.

FIGURE 10 - LEAK 10, PREVIOUS AND EXISTING LEAK

FIGURE 11 - LEAK 11, NEW LEAK FROM BOLTS

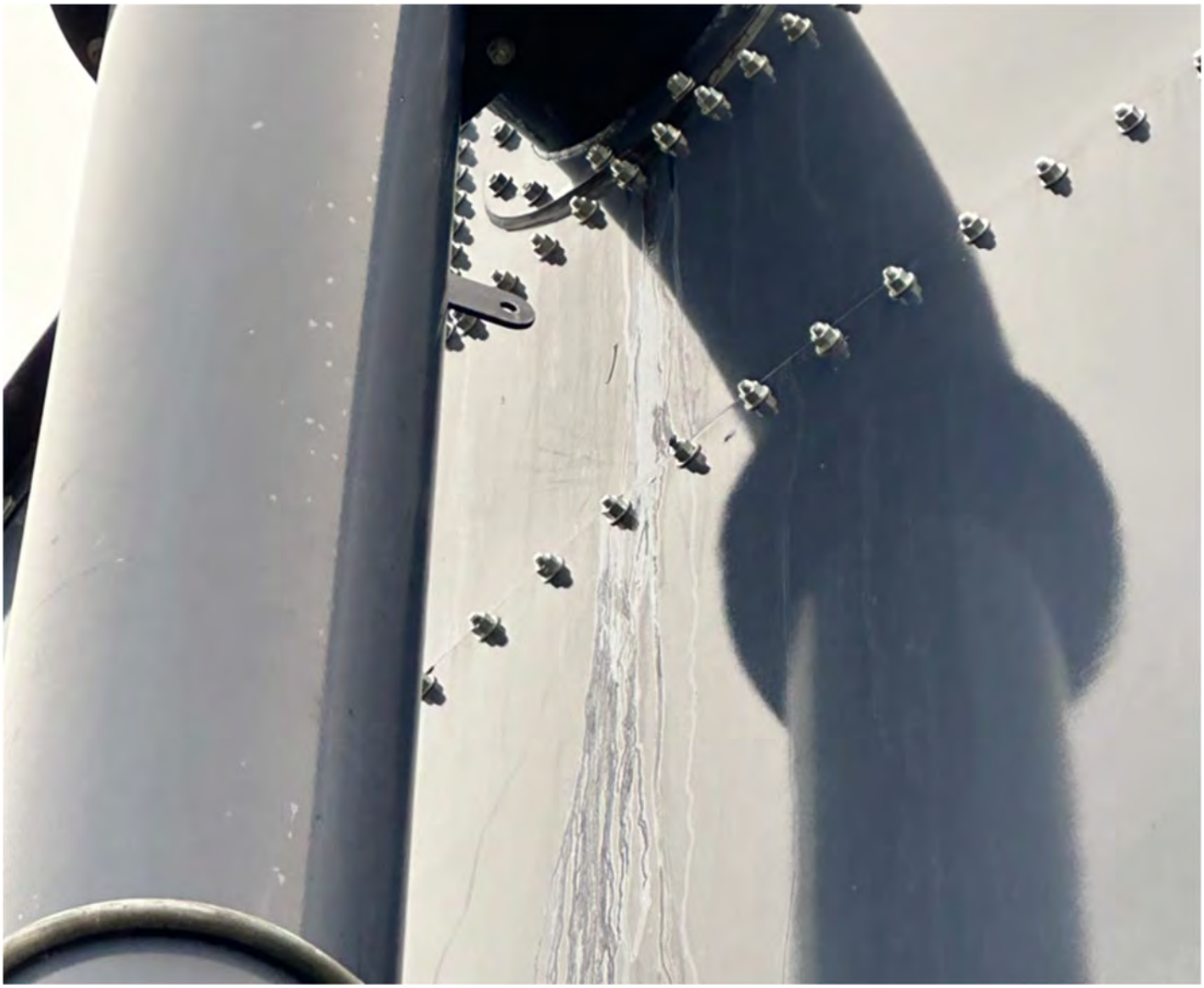


FIGURE 12 - LEAK 12, OVERFLOW PIPE

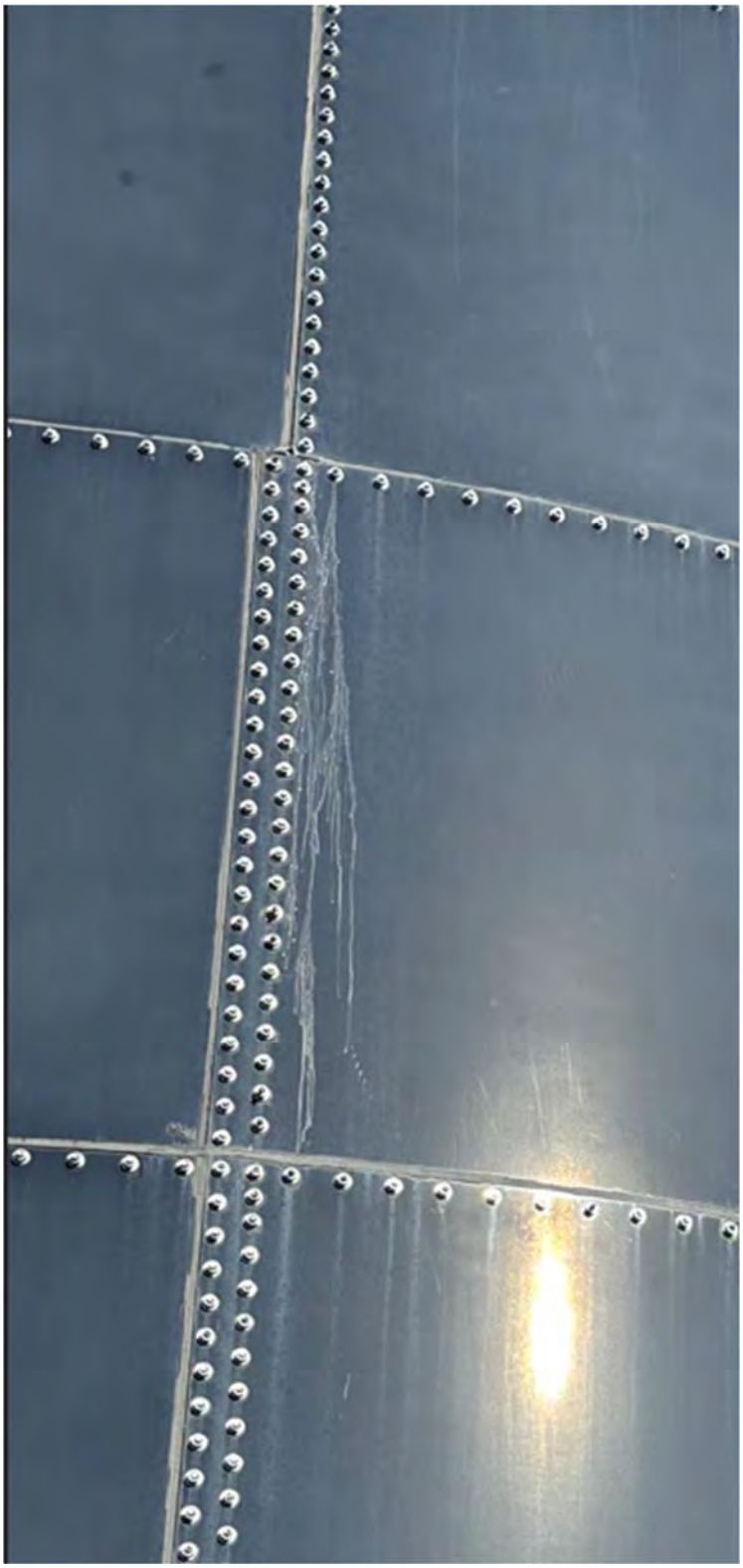


FIGURE 13 - LEAK 13, FROM BOLT HOLES

FIGURE 14 - OVERFLOW PIPE OUTLET ICE BUILDUP

FIGURE 15 - PEELING LINER, UPPER HATCH RIM

FIGURE 16 - INTERIOR BLEMISH, RUST ON TOP HATCH CURB