

**BERRYVILLE TOWN COUNCIL
MEETING AGENDA
Regular Meeting
Berryville-Clarke County Government Center
101 Chalmers Court, Second Floor
Main Meeting Room
Tuesday, June 22, 2018 (continued from 6/12/18)
10:00 a.m.**

<u>Item</u>	<u>Attachment</u>
1. Call Continued Meeting Back to Order – Patricia Dickinson, Mayor	
2. Discussion - Resolution of Support – East Main Street SMARTSCALE Project	1↓
3. Discussion - Ground Reservoir Project	2
4. Discussion - Work Session July 2, 2018	
5. Other	
6. Closed Session – No closed session scheduled	
7. Adjourn -	

Attachment 1

BERRYVILLE TOWN COUNCIL
SMART Scale Pre-Application Submission
June 22, 2018

An additional requirement for the SMART Scale application submission is a resolution of support by the governing body. The resolution and motion follow this report.

Staff will obtain letters of support to be submitted with the application from the Northern Shenandoah Valley Regional Commission and County of Clarke.

Recommendation

Adopt the resolution of support as presented.

June 12, 2018 Staff Report

At the May Town Council meeting, staff was directed to submit SMART Scale grant applications for pedestrian, stormwater, and utility improvements for two portions of East Main Street. Council agreed to remove the sidewalk on the south side of East Main Street in Section 2 between Jack Enders Boulevard and Battletown Drive to reduce costs.

The SMART Scale pre-application process includes the VTrans Needs categories which are required to be identified with each submittal. As no safety warrants are in the proposed project area, an Urban Development Area (UDA) needs to be established that identifies areas of higher densities that include mixed-use neighborhoods and a mix of housing types; pedestrian friendly road design, and preservation of natural areas. Exhibit 1 identifies the current corporate limits as the UDA. Please note that Exhibit 1 will be updated to reflect current sidewalk conditions as the original map from the County was created prior to the completion of the Berryville Glen subdivision and Delany Court.

Upon Council's approval, staff will upload the approved and executed documents to the SMART Scale portal and obtain final approval of the designation from the Office of Intermodal Planning and Investment (OIP).

A resolution, supporting documents, and motion for acceptance of the UDA by Town Council are included in this packet.

May 8, 2018 Staff Report

At their meeting on Tuesday, April 24, 2018, the Town Council Streets and Utilities Committee hosted Terry Short, VDOT Planning Manager from the Staunton District, who discussed the SMART Scale application process. Mr. Short discussed the program including deadlines for the pre-application (June 1) and application (August 1). The pre-application process will allow VDOT staff to vet each application submitted using a points system that ranks each request. He discussed the five considerations to fund respective projects including congestion, access, environmental, economic development, and safety. The costs identified below include an escalator for future construction.

Mr. Short discussed the East Main Street project and the two proposed phases. The first, from the Norfolk Southern Railroad tracks east to Jack Enders Boulevard, would include curb, gutter, and a five (5) foot sidewalk on the north side of East Main Street. The project would also include minor lane widening on both sides of the street and storm water improvements.

Estimated Costs Phase 1

Preliminary Engineering:	\$200,000
Right of way acquisition and utility relocation:	\$555,000
Construction:	<u>\$830,000</u>
TOTAL	\$1,585,000

The second project extends from the east side of the Jack Enders Boulevard intersection with East Main Street to the east side of the Battletown Drive intersection. This project would include curb, gutter, and a five (5) foot sidewalk. This sketch also includes a buffer strip between the sidewalk and the travel lanes. The first sketch includes sidewalk on both sides of the street. Streets and Utilities Committee members requested that the sidewalk on the south side of the street be eliminated in order to reduce costs. The difference between the two proposals is \$470,000. Both estimates and sketches are included for discussion.

Estimated Costs Phase 2 (Sidewalk on both sides)

Preliminary Engineering:	\$230,000
Right of way acquisition and utility relocation:	\$750,000
Construction:	<u>\$955,000</u>
TOTAL	\$1,935,000

Estimated Costs Phase 2 (Sidewalk on north side)

Preliminary Engineering:	\$200,000
Right of way acquisition and utility relocation:	\$435,000
Construction:	<u>\$830,000</u>
TOTAL	\$1,465,000

Both projects include milling and paving and would require right of way acquisition.

The pre-application does not require a resolution by Town Council or letters of support with the submission.

Mr. Short also discussed traffic calming efforts on South Buckmarsh Street with Streets and Utilities Committee members and residents of Taylor Street. Mr. Short indicated that crash and speed data did not reflect any issues in this area and therefore SMART Scale funding would be unlikely. It was determined that traffic counts would be updated and Mayor Dickinson indicated that she will continue to work with residents to address traffic calming in this area.



RESOLUTION OF SUPPORT
SMART Scale Applications

WHEREAS, The Council of the Town of Berryville adopted a Resolution establishing an Urban Development Area (UDA) at their June 12, 2018 meeting; and

WHEREAS, The Town of Berryville is submitting two SMART Scale applications for funding consideration for pedestrian and infrastructure upgrades for two sections of East Main Street from the Norfolk Southern Railroad tracks to Battletown Drive; and

NOW, THEREFORE, BE IT RESOLVED The Council of the Town of Berryville supports and endorses the SMART Scale applications

By Order of the Council of the Town of Berryville on this the twenty-second day of June, 2018.

Patricia Dickinson, Mayor
Recorder

Harry Lee Arnold, Jr.,

BERRYVILLE TOWN COUNCIL

**MOTION FOR APPROVAL OF A RESOLUTION
OF SUPPORT FOR SMART SCALE APPLICATIONS**

Date: June 22, 2018

Motion By:

Second By:

I move that the Council of the Town of Berryville approve the attached resolution of support for two SMART Scale applications for pedestrian and infrastructure improvements on East Main Street.

VOTE:

Aye:

Nay:

Abstain:

Absent:

ATTEST:

Harry Lee Arnold, Jr., Recorder

Attachment 2

The Town has received the Engineering Memorandum regarding conditions found in the ground reservoir. The memorandum is attached.

We are awaiting additional correspondence regarding cost. This will be sent when it arrives.

The Engineering Memorandum is being reviewed by Mr. Tyrrell and he will be able to provide a report on this matter at the meeting tomorrow.

Once staff knows more about the options before the Council, staff will prepare a sample motion should you wish to act tomorrow.

Keith Dalton

From: Dave Tyrrell
Sent: Thursday, June 21, 2018 1:46 PM
To: Keith Dalton
Subject: Tank Repair Info

Keith,

I have been given repair numbers verbally for now. The cost of the repair as suggested in the report is \$269,000. This is the floor patch and epoxy coating. It also include the upper ring work and repairs to the concrete base in back. The false floor price came in at \$633,000. They are currently working to get approval of the write up and seeing what can be done to spread the cost over time. Hoping to have that by 1430.

David A Tyrrell
Director of Utilities
Town of Berryville Virginia
101 Chalmers Ct, Suite A
Berryville, VA 22611
Phone 540-955-1982
Fax 540-955-1213

Keith Dalton

From: Dave Tyrrell
Sent: Thursday, June 21, 2018 12:52 PM
To: Keith Dalton
Subject: FW: Department Memo - Berryville VA.pdf
Attachments: Department Memo - Berryville VA.pdf; ATT00001.txt

Keith,

This is the memo and report on the tank testing. I have not yet read it but wanted to get it to you ASAP. We are still awaiting repair options and prices.

David A Tyrrell
Director of Utilities
Town of Berryville Virginia
101 Chalmers Ct, Suite A
Berryville, VA 22611
Phone 540-955-1982
Fax 540-955-1213

-----Original Message-----

From: Brown, Brad <bbrown@utilityservice.com>
Sent: Thursday, June 21, 2018 11:03 AM
To: Dave Tyrrell <dirutilities@berryvilleva.gov>
Subject: Department Memo - Berryville VA.pdf



ENGINEERING MEMORANDUM

Project: Berryville VA 3.0MG GST Renovation

Date: 06/20/2018

From: Jason Saylor –Director, Engineering

To: Karl Nelson

Re: Recommendations for Repairs

This purpose of this memorandum is to provide a summary of the findings and recommendations from the site visit conducted on Tuesday, June 19, 2018.

The purpose of the site visit was to determine the condition of upper shell plates and floor for estimating repairs. Evaluation was completed by Jason Saylor and Clint Pritchard, with assistance from the crew on site.

TANK UPPER SHELL PLATE

Metal plate thickness measurements were taken using an ultrasonic thickness gauge at known hole and pit locations on upper ring of walls. Readings were an average of 0.18 on pits/hole areas. Readings average for all other areas was 0.375. Pitting/holes are most prominent over a 60 ft section of the 452 ft total tank circumference and mainly located at or near the steel strap that is still in place from an old floating roof. The strap is full seam welded to the tank plates at top and stitch welded along the bottom. The strap is approx. 2.5 inches wide and 3/16 in thick. Some pitting and holes can be seen behind strap.

It is recommended that entire strap be removed to expose the shell wall behind for assessment of possible areas of metal loss.

Recommended repairs for areas of metal loss and holes consists of using a combination of patch plating (3/8" thick) and weld repairs. Patch plating should be used at all hole locations with a minimum 6x6 sq.in. plates. Larger size plates can be used as needed to patch multiple holes at once, provided that all plate edges terminate a minimum 3 inches beyond the center of all holes within the patch plate area.

Estimated patch plate repair area for visible holes and metal loss in the upper shell area is 60 ft x .25 sq ft.= 15 sq.ft.

Estimated plate repair area under the existing strap (based on observed pitting extending under the strap) is 392 ft x .16 ft. = 60 sq ft

Recommended repairs for pitted areas where depth of pit (metal loss) is 0.18 inch or more is a puddle weld repair. Assuming an average 2" diameter puddle weld, the estimated repair quantity based on observations is 1 sq.ft. Patch plating can be used in lieu of puddle welding.

TANK FLOOR

Approximately 1/4 of the tank floor was available for review. The remaining areas were covered with spent abrasive materials which the crew was in the process of removing from the tank.

Metal plate thickness measurements were taken using an ultrasonic thickness gauge at various locations on the floor. Readings were an average of 0.277 inch.

Approximately 30 holes were identified in the section of floor examined. Holes ranged from 1/4" in diameter up to approx. 2". Holes were located primarily in deep pits, indicated metal loss over an extended period of time. The recommended repair procedure for holes found in the floor plates is the same as recommended for the upper shell plates, excepting that the repair plate thickness can be reduced to 0.25 inch.

At floor seams, several rivet heads were found missing and the remaining shank less than 1/2 engaged into the top plate. Approximately 40 rivets were found in this condition. The recommended repair procedure for rivets found in this condition includes puddle welding to rejoin the shank to the top plate and seal the void.

Few areas of deep pitting were found where metal loss exceeded 50% of the plate thickness, however holes have not developed. The recommended repairs for these areas are the same as recommended for pitted areas of the upper shell plates, excepting that the depth of pit (measured metal thickness) to repair for the floor would be 0.20 inch and greater.

Estimated quantity of pit and rivet weld repairs, assuming 2" diameter puddle weld, for entire floor area - 3 sq.ft.

Estimated quantity of hole repairs using patch plates - Approximately 30 holes found over 1/4 of exposed floor. Repair quantity estimated at 120 holes for complete floor - 30 sq.ft.

OTHER RECOMMENDED REPAIRS

Due to extensive corrosion, the interior portion of the overflow pipe separated and fell from the tank wall. It is recommended that the remaining section of interior piping be removed and cut flush with the interior shell wall, seal welded and re-coated.

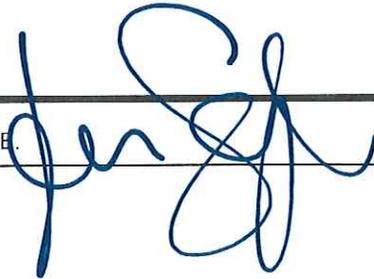
It is also recommended for the overflow that an elastomeric duck bill check valve be installed on the overflow outlet, in lieu of the existing screen.

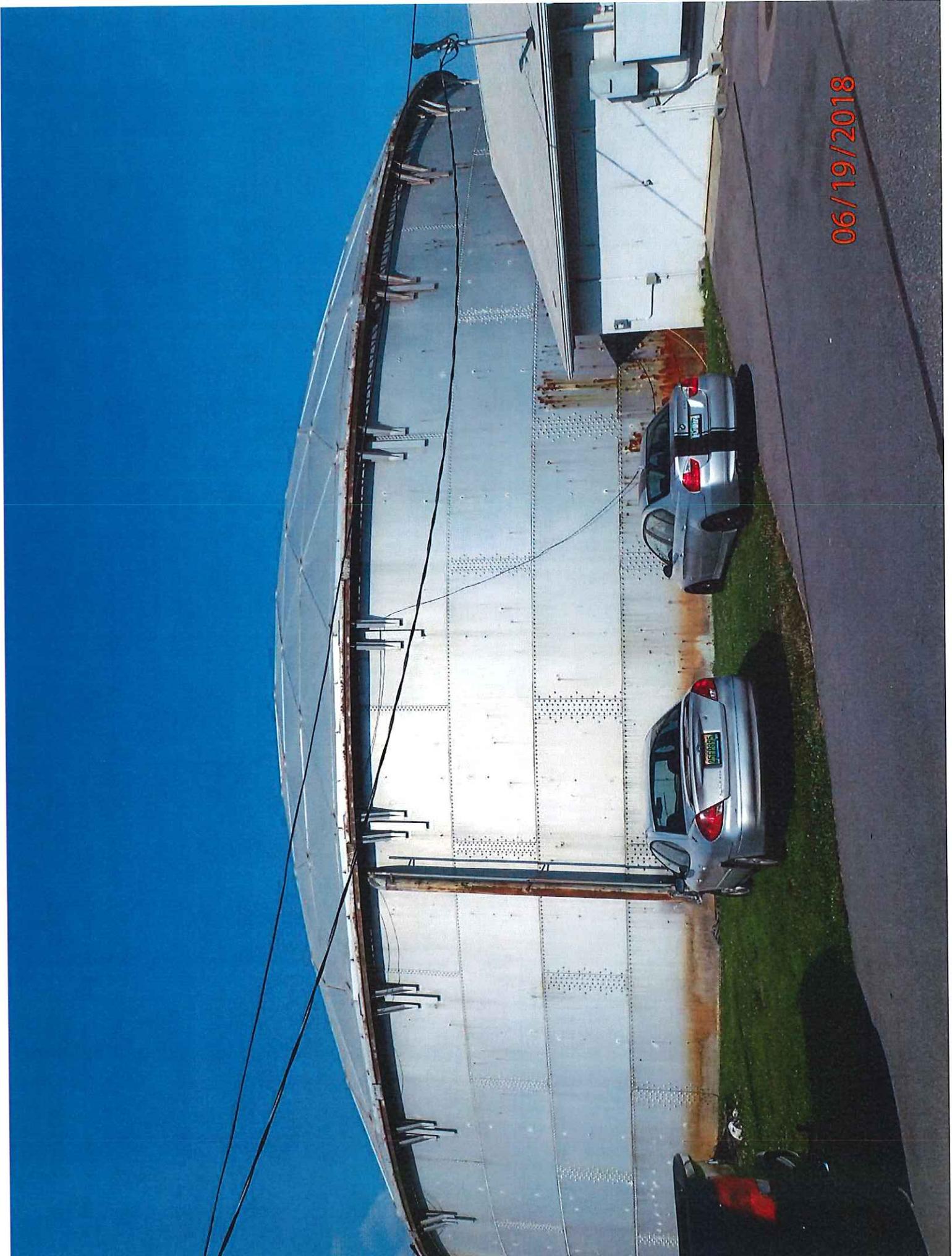
A section of the existing concrete ringwall at the rear of the tank was found to be in poor condition, with much of the top layers of cement and aggregate missing. A large rodent hole under the tank is also present. It is recommended that the concrete ringwall in this area be cleaned and repaired utilizing a high strength cementitious repair grout. The ringwall section requiring repairs measures 26 ft in length by approximately 6" wide and 3" deep. Grout should also be installed in the chime area (interface of concrete and steel at tank base) for the entire 452 ft perimeter of the tank.

Note: the concrete ring wall deterioration observed is likely due to improper grading and drainage at the base of the tank. It is recommended that the areas around the tank be re-graded or a perimeter drain installed to move water away from the ringwall foundation.

Signed by: Jason G. Saylor, P.E.

Date: 06/20/18



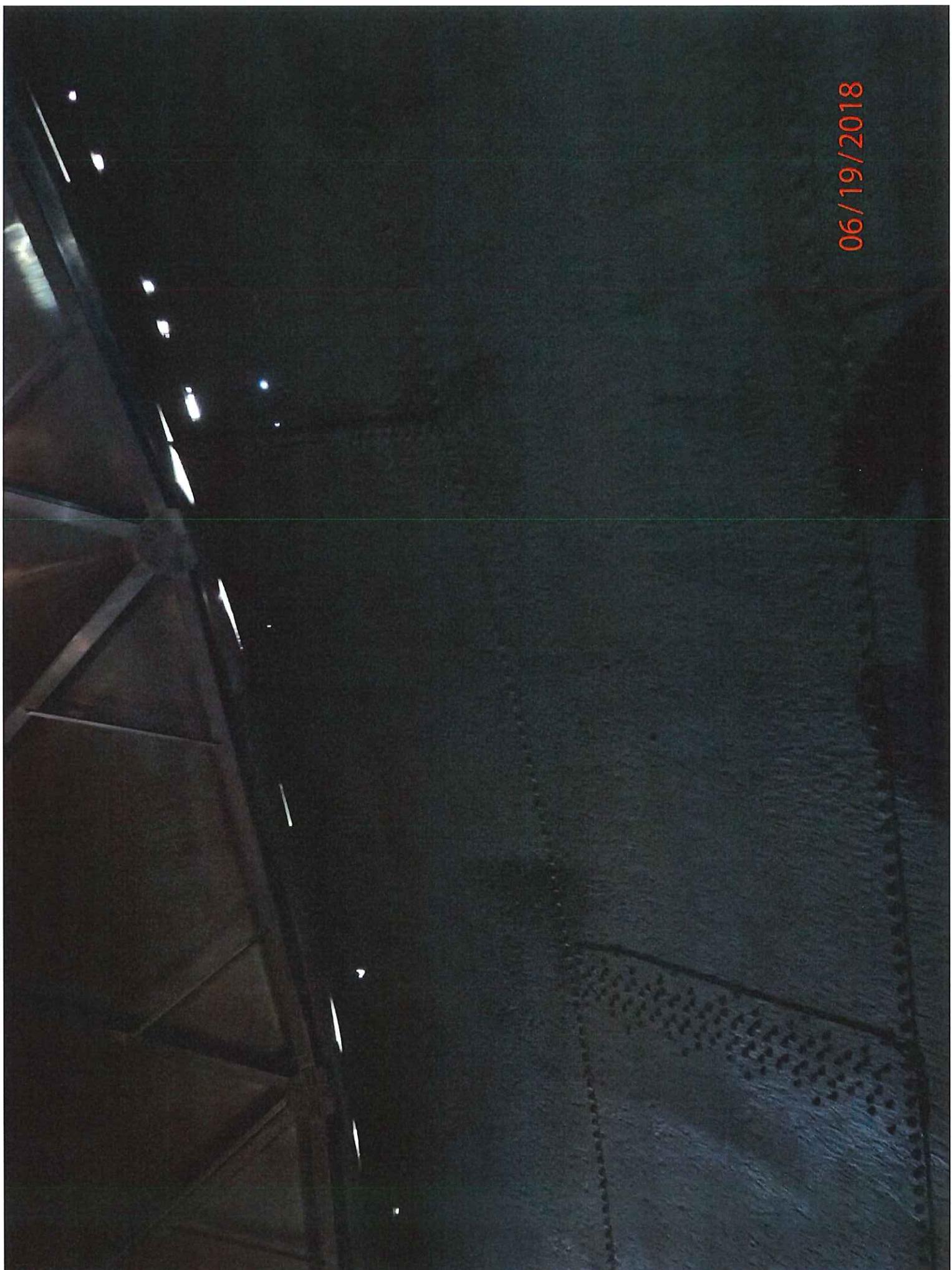


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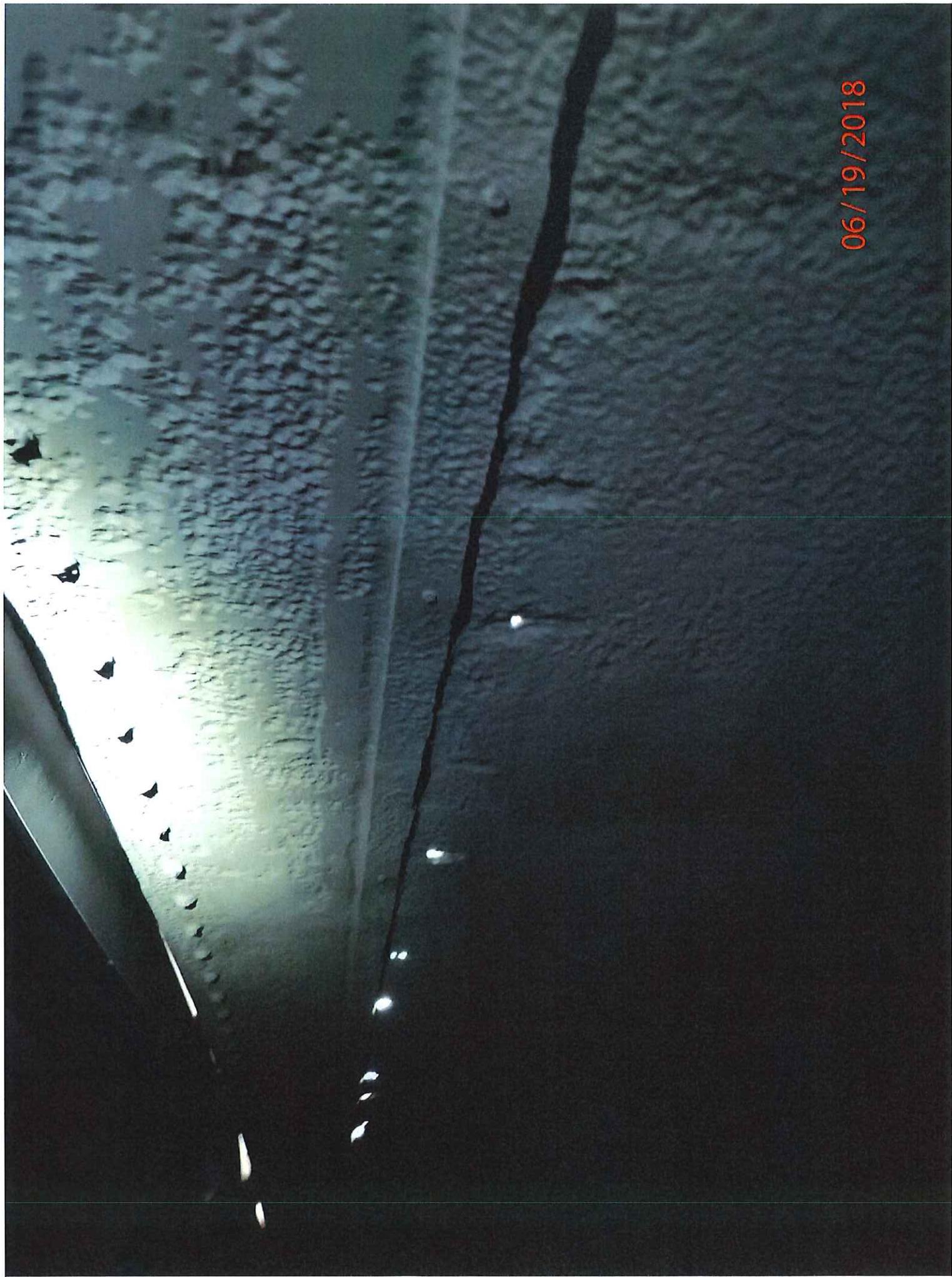


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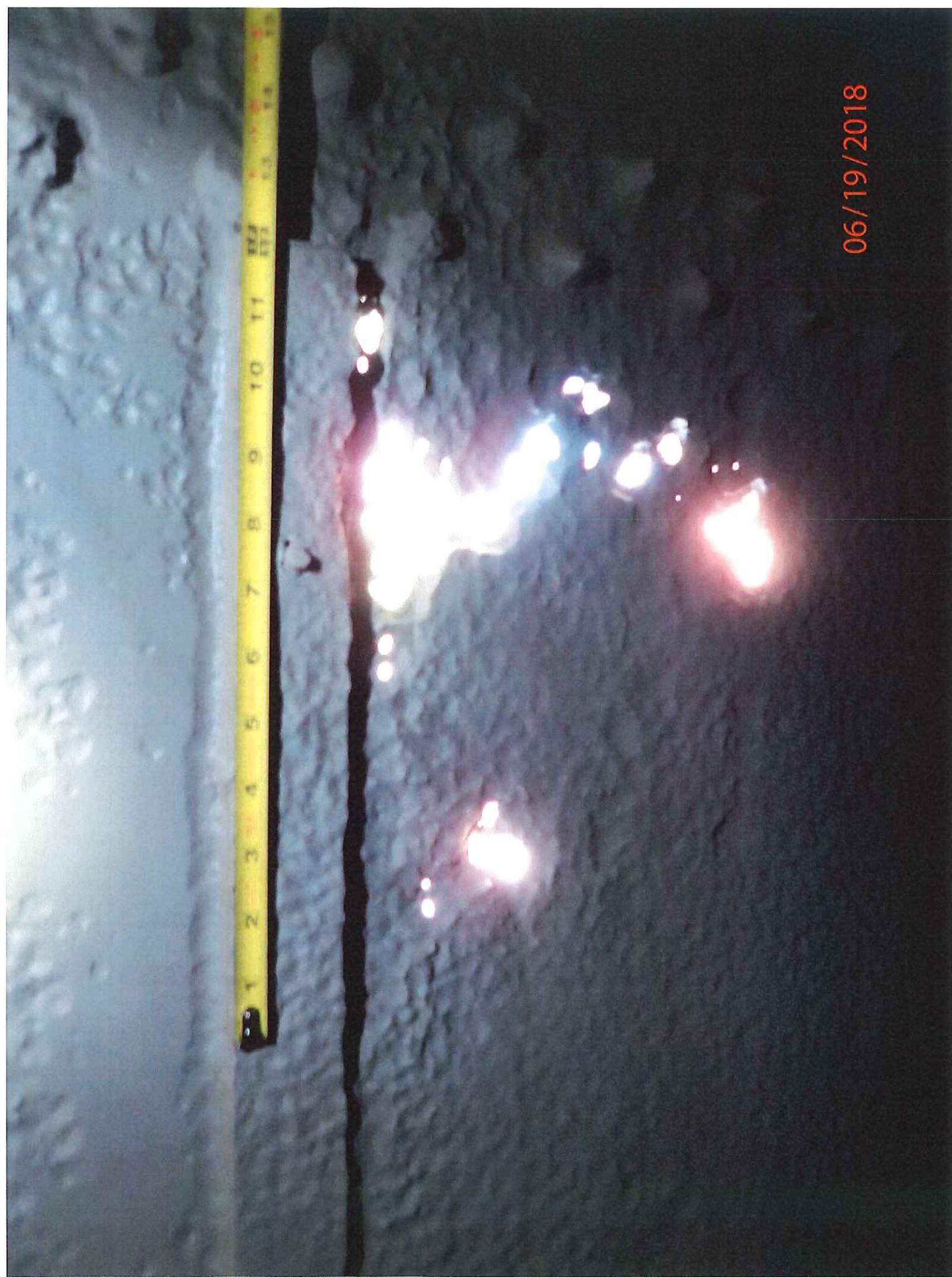




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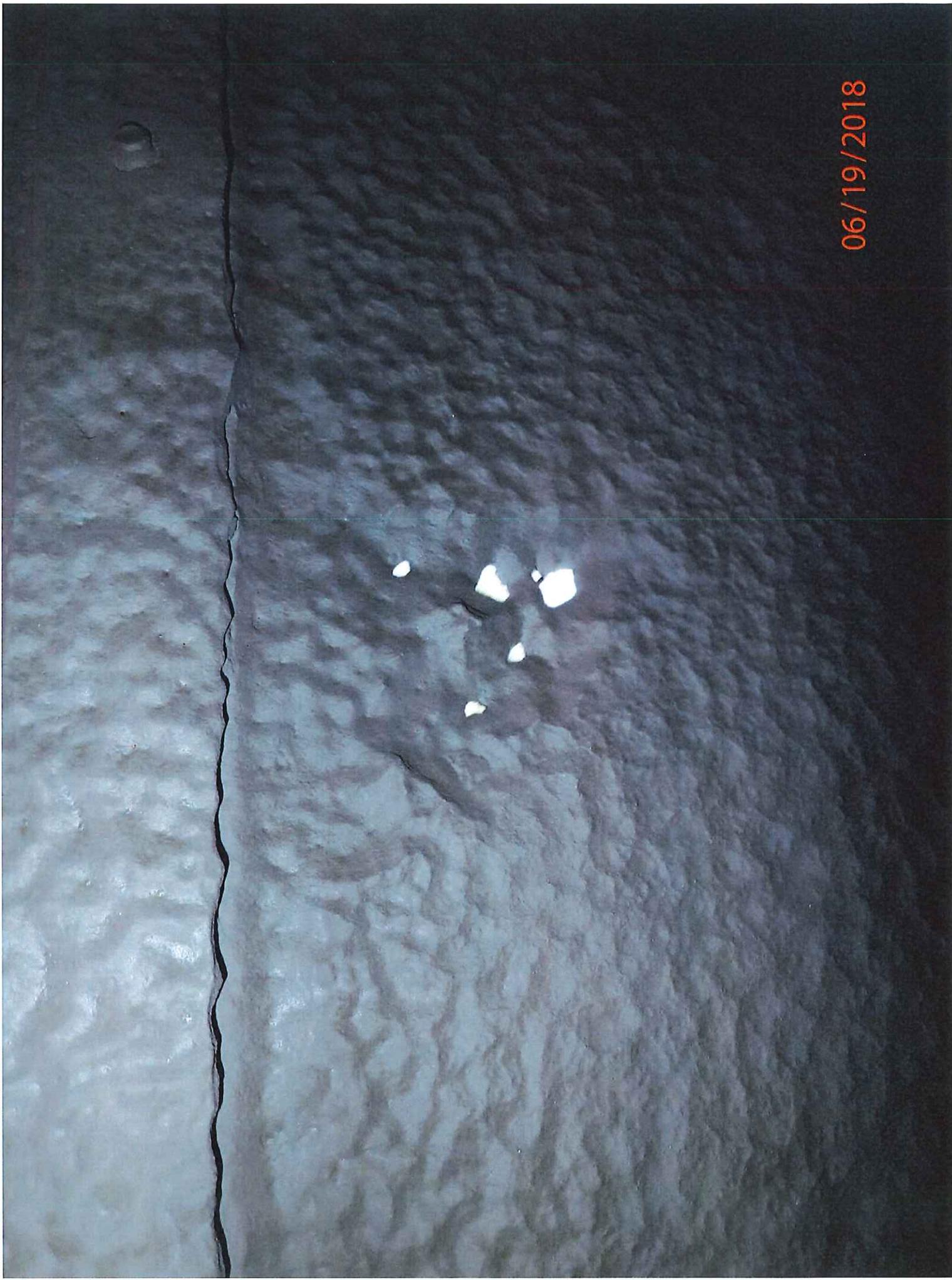
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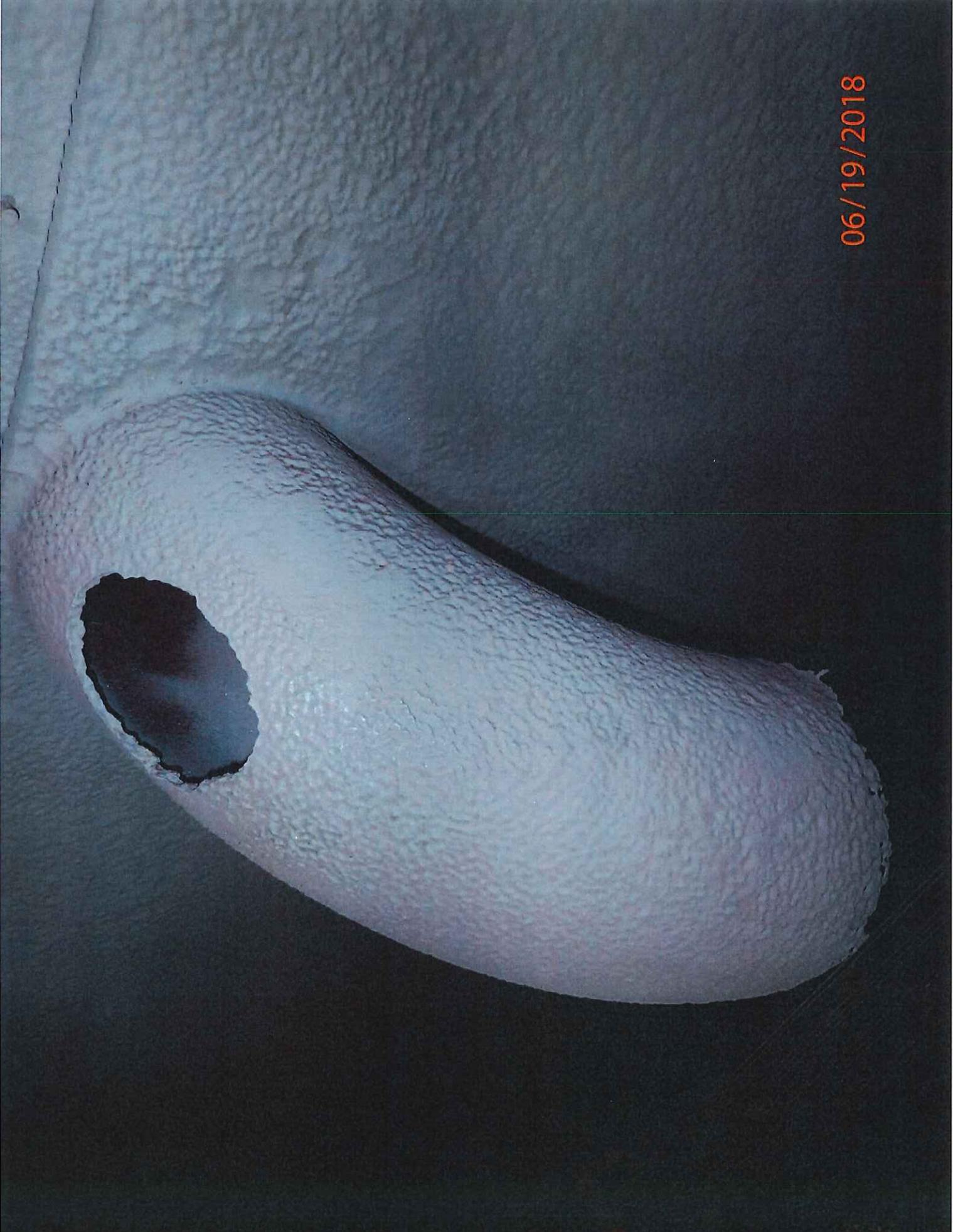


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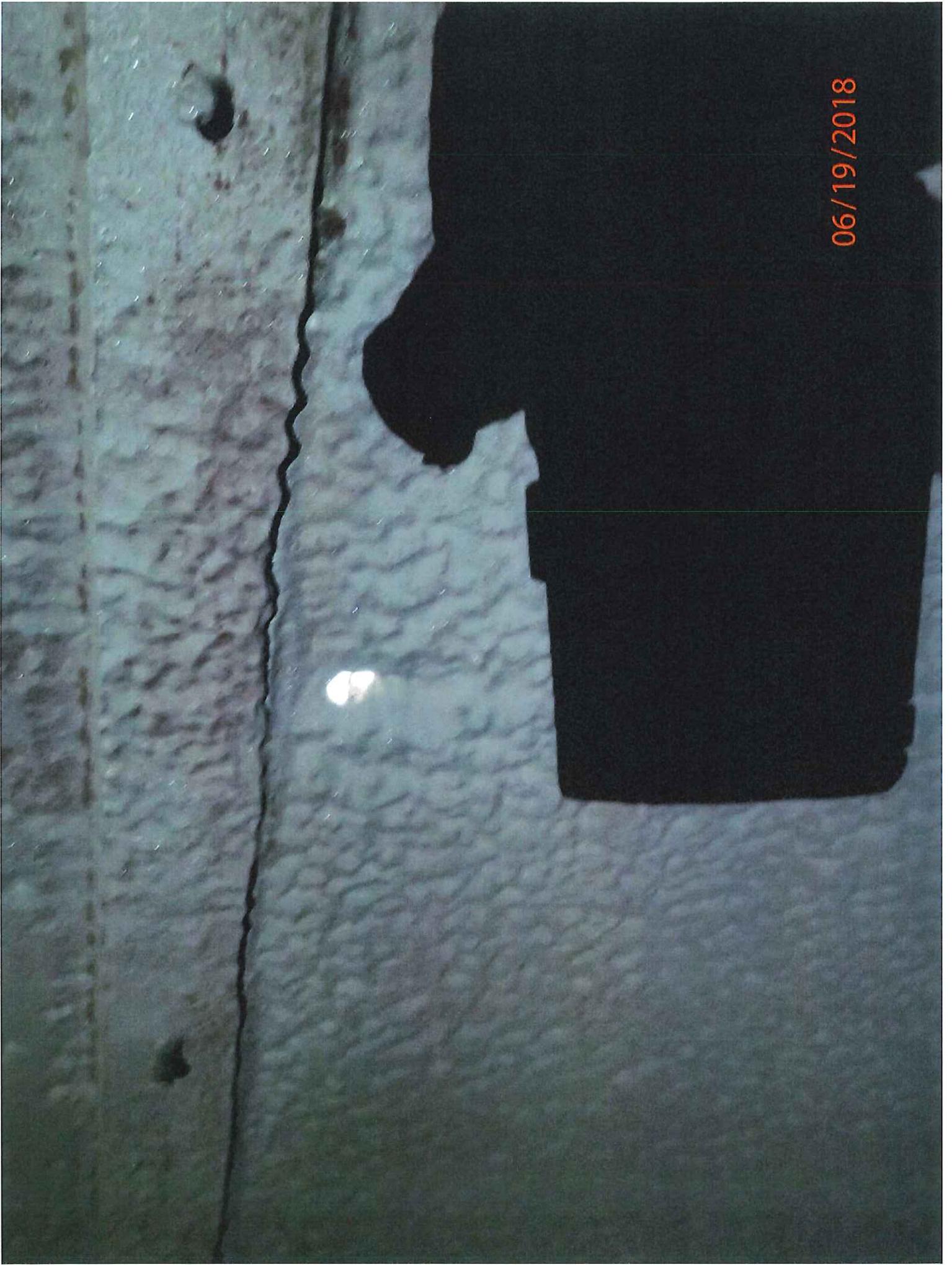
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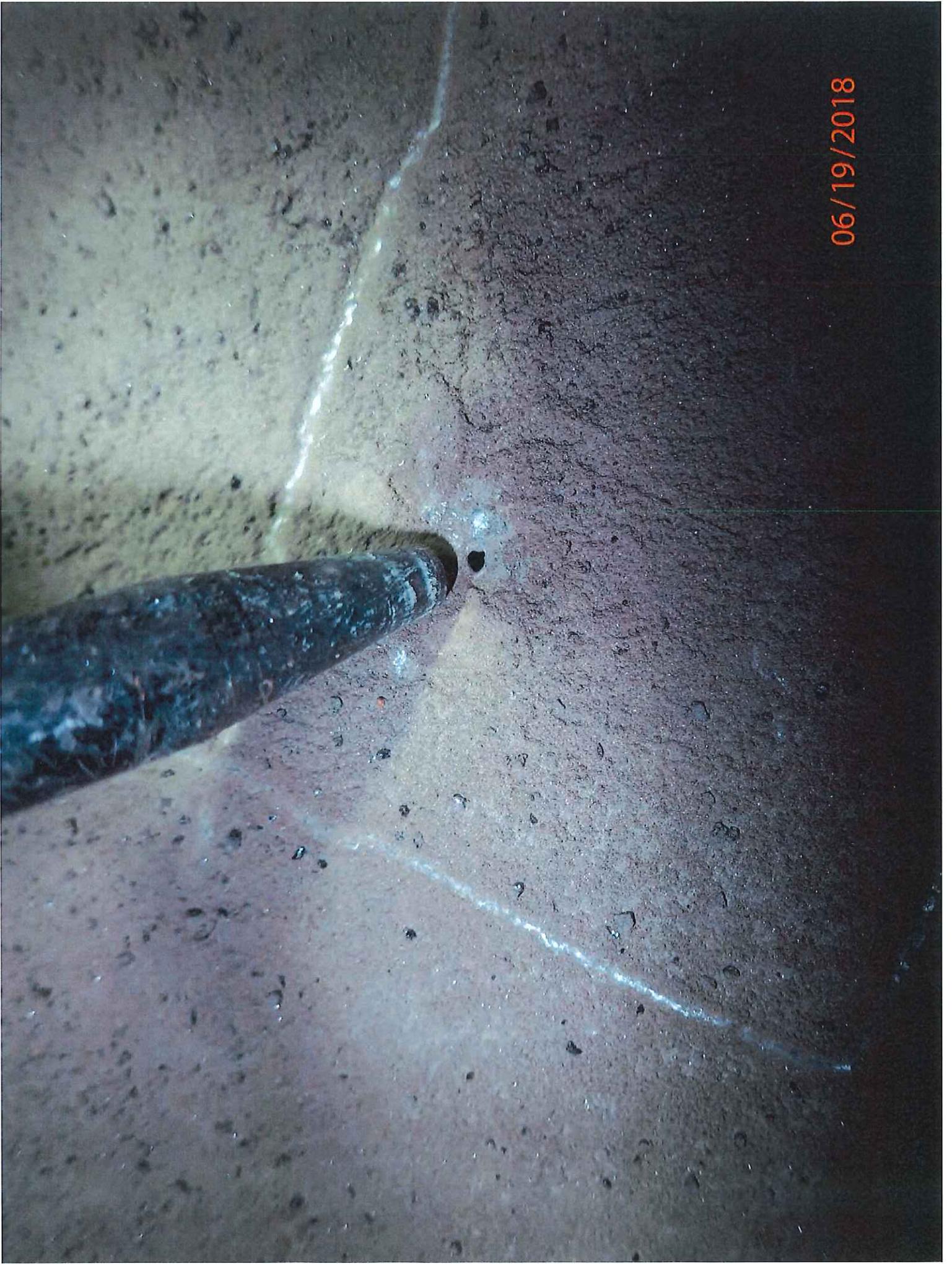




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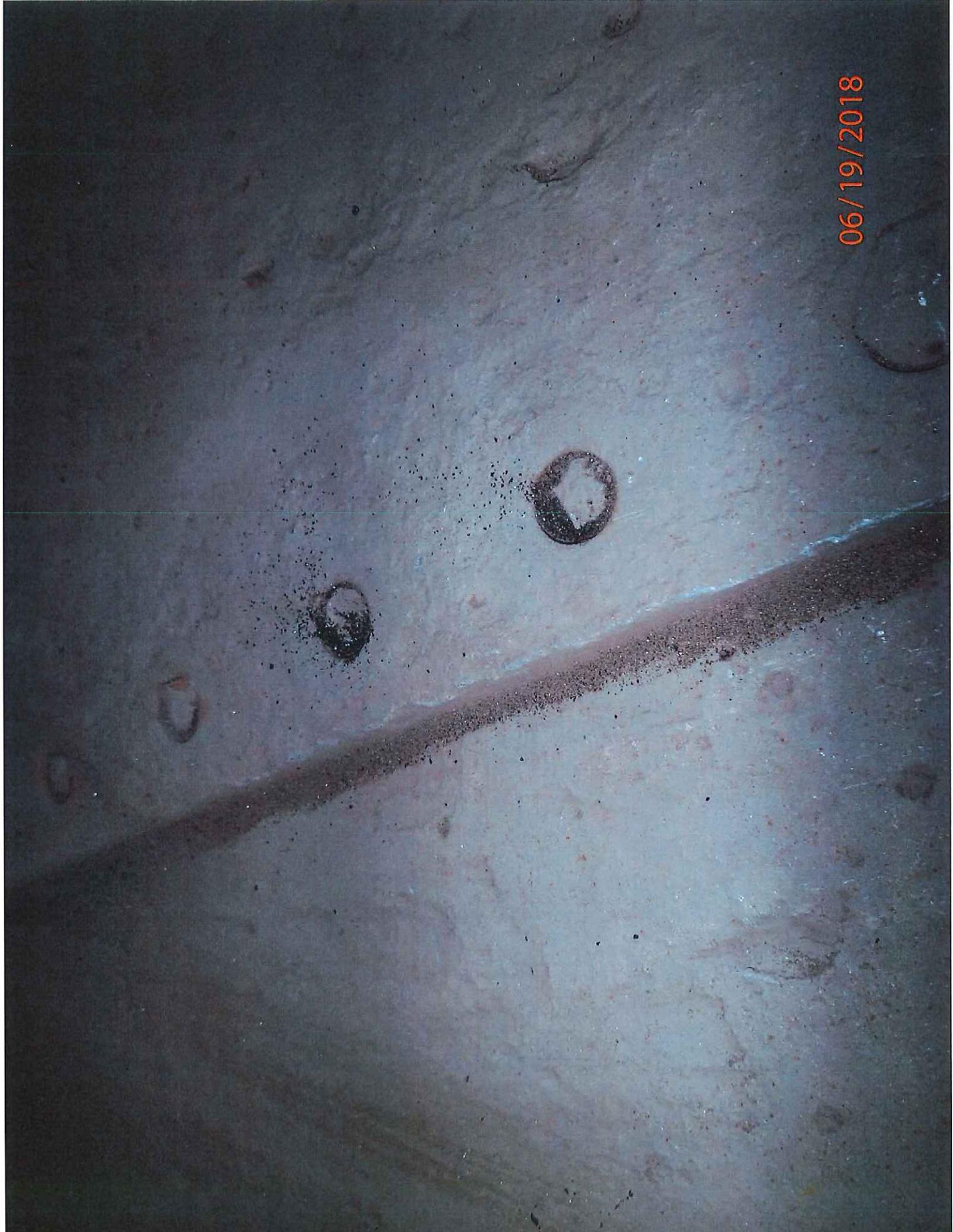


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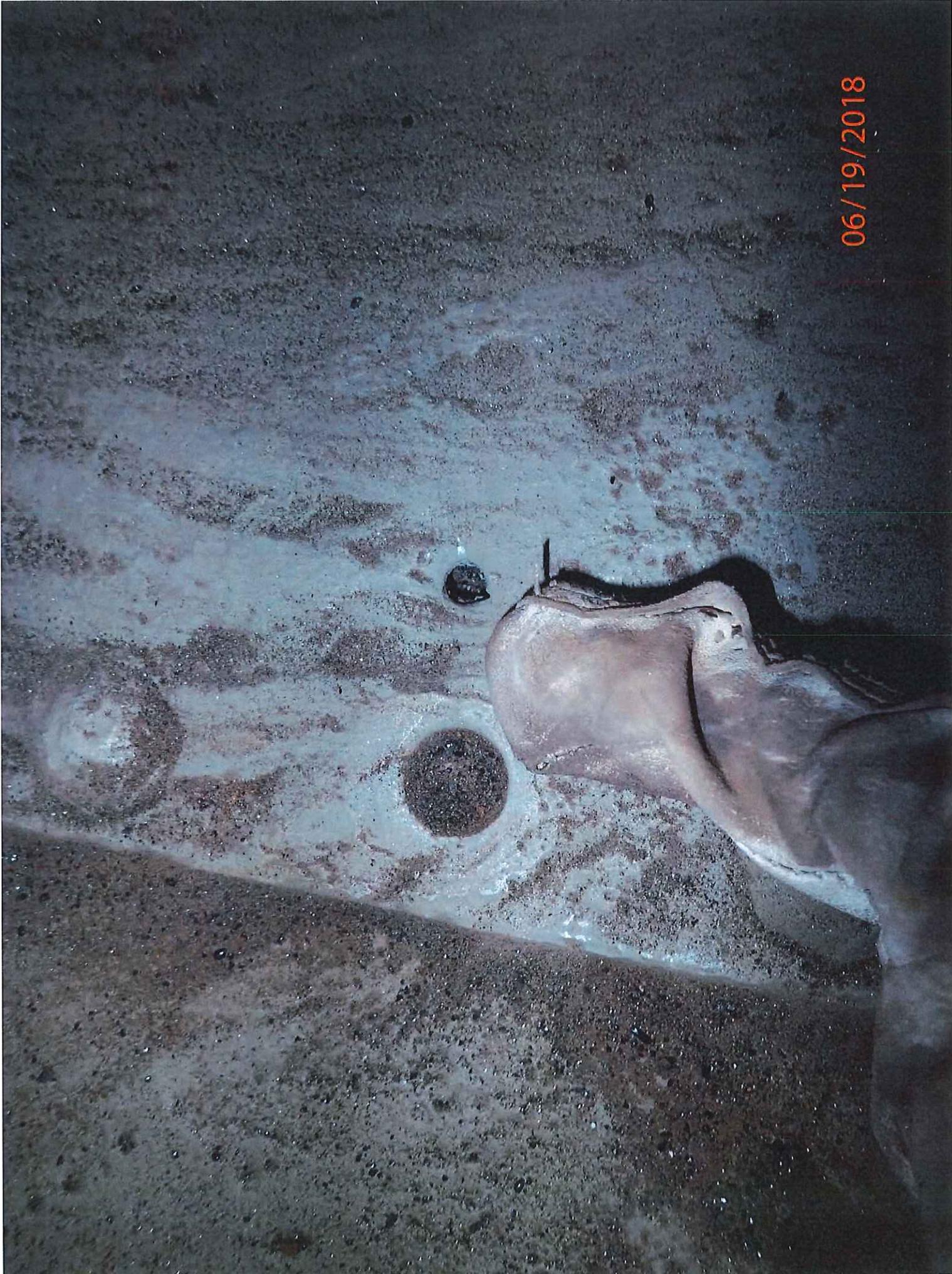
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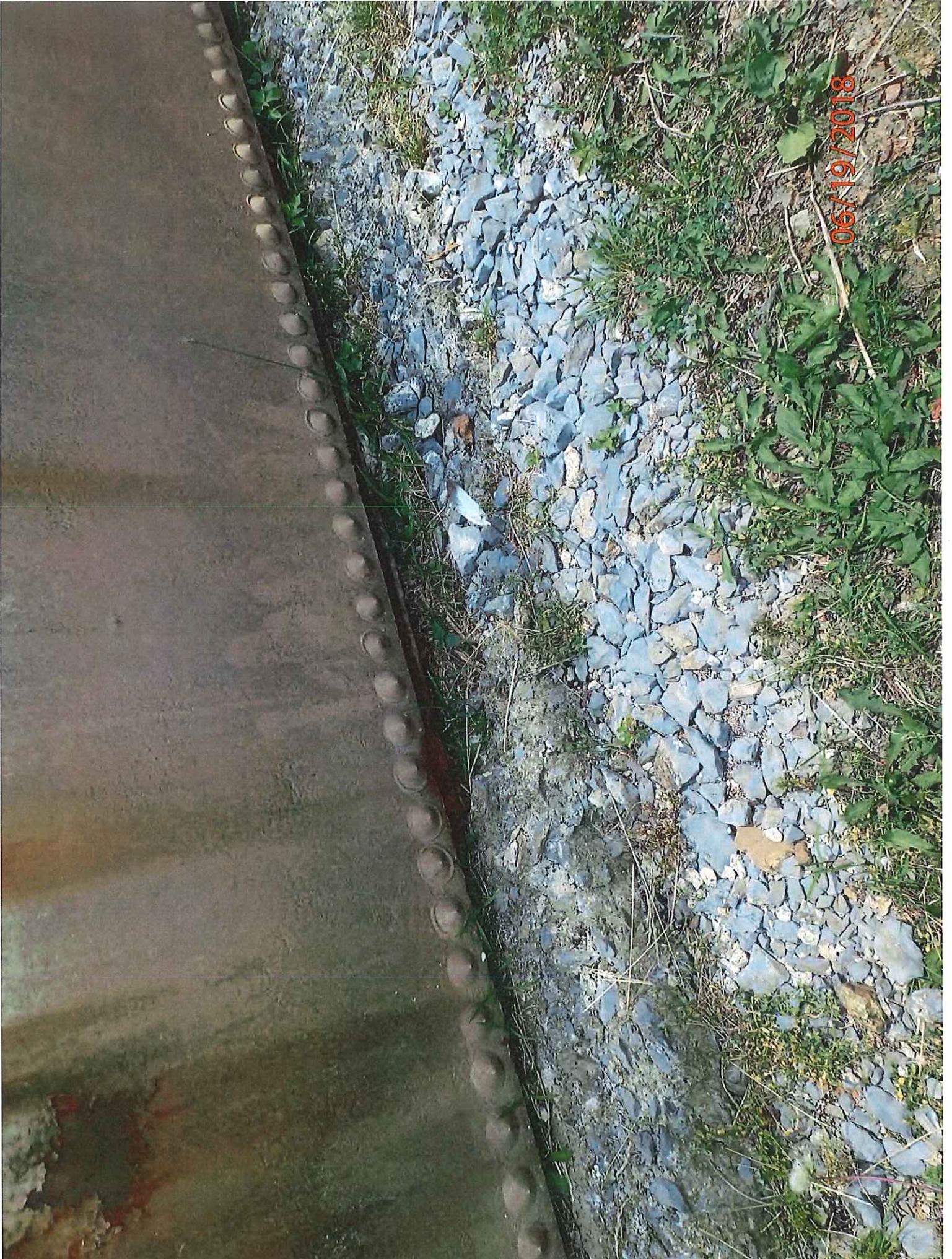




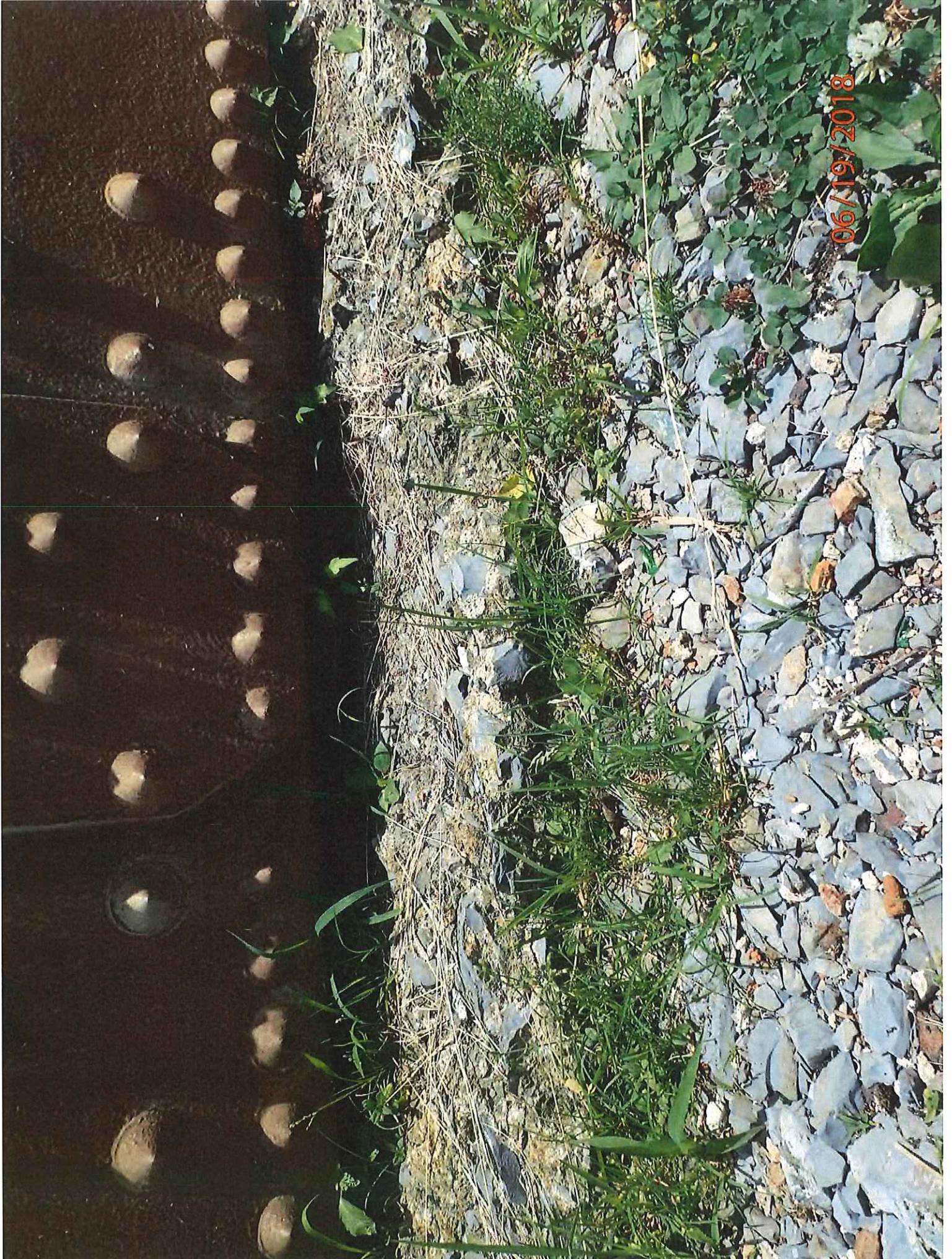
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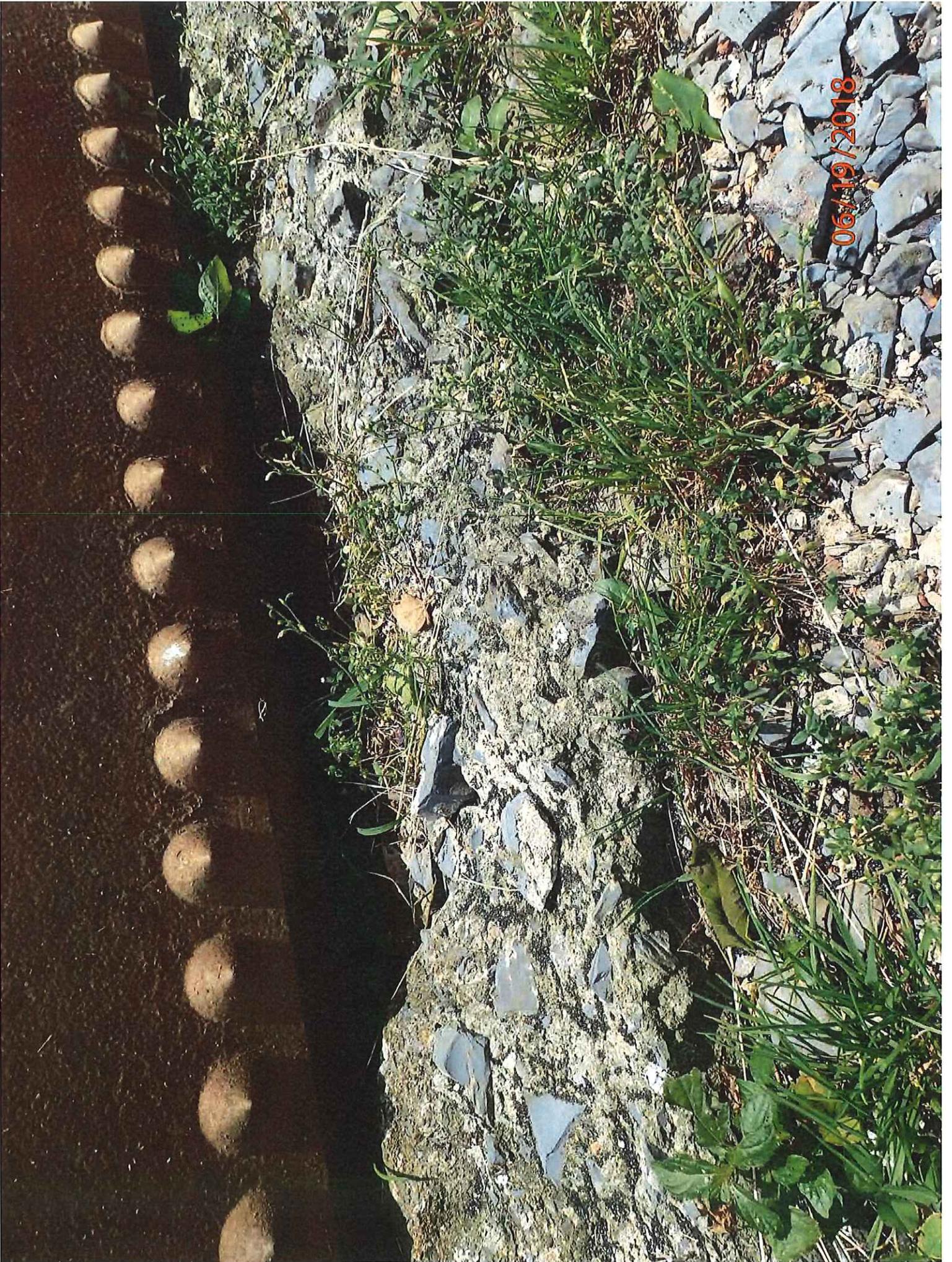
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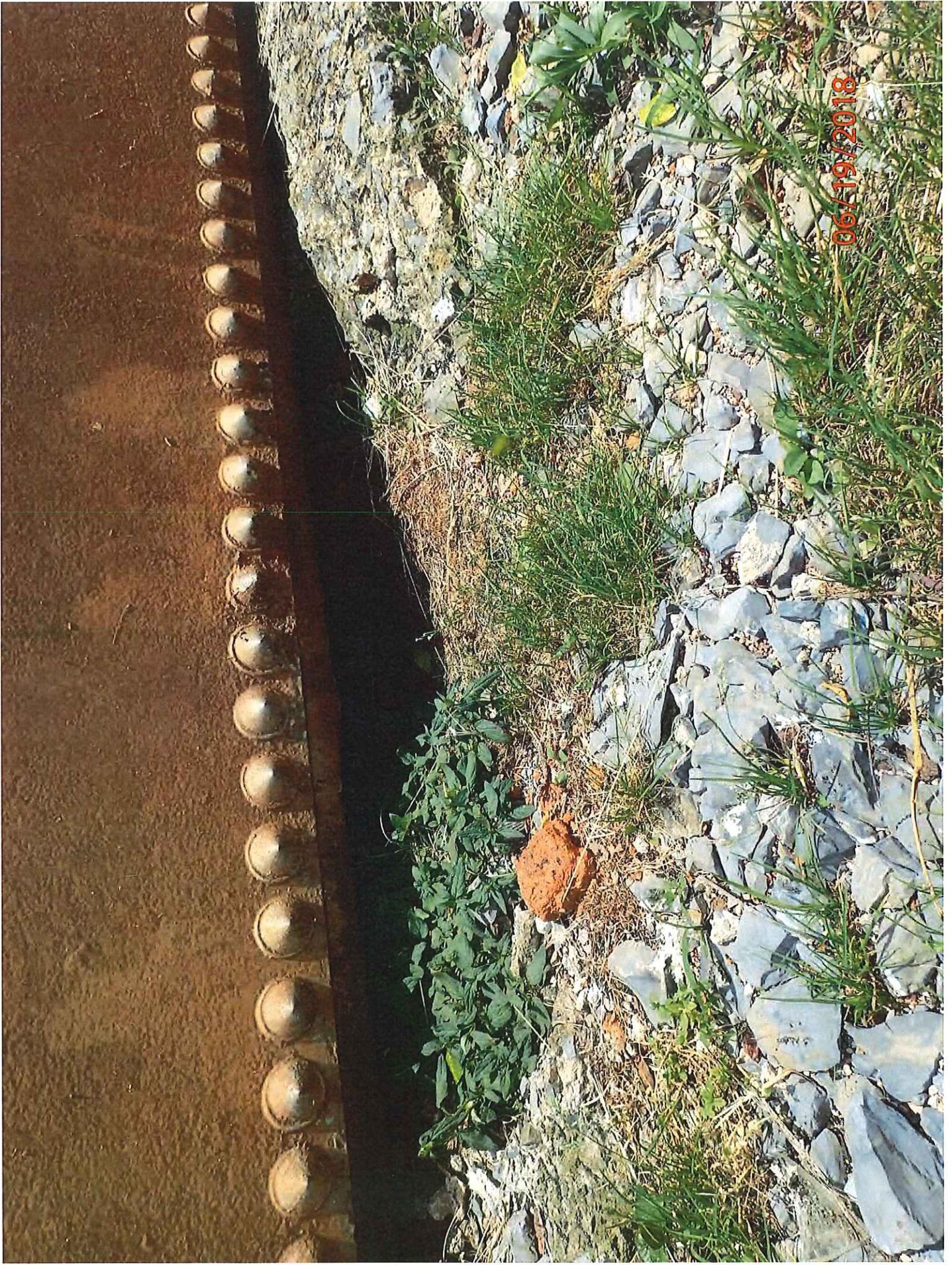


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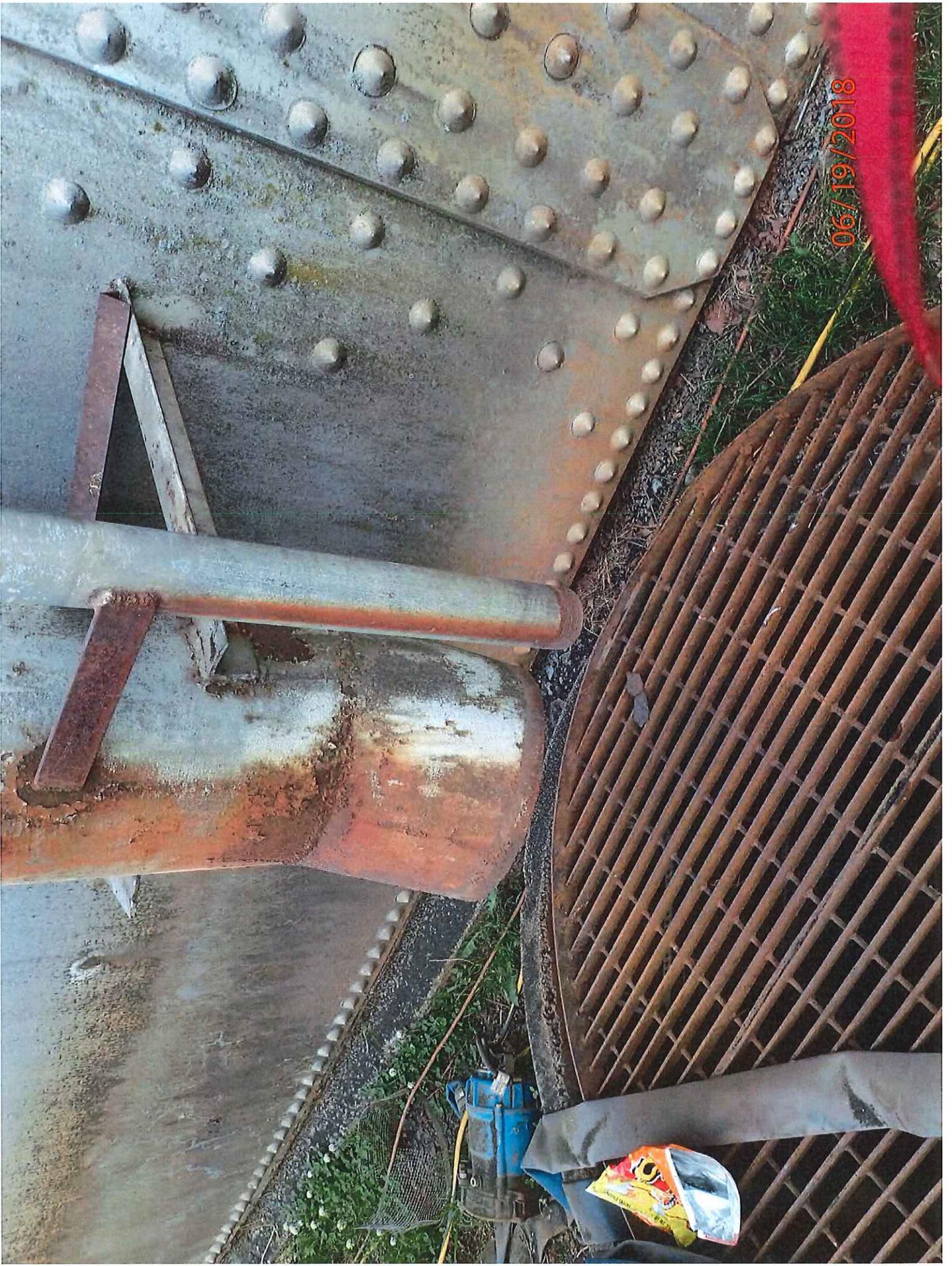




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