



May 27, 2025

Prospective Respondents

RE: Addendum #4 25-40 Utility Services Dive Services

Please accept this as Addendum No. 4 for the above referenced solicitation.

The following questions have been received. The County's answers follow in **bold**.

1. Does structural inspection work have to be supervised by a Licensed Professional Engineer in accordance with the American Society of Civil Engineers (ASCE) MOP 130 Manual on Waterfront Inspections? **No.**
2. Are inspection reports required to be signed and sealed by a Florida licensed professional engineer? **No.**
3. What dive standards are required to be followed (e.g. OSHA, NAVY, ADCI Consensus Standards)? **ADCI.**
4. Are there any specific inspection Team Leader or Team Member certification requirements, aside from experience, such as National Highway Institute's (NHI) underwater inspection course, etc.? **No.**
5. Does the inspection of the pipeline require underwater thickness (UT) gauge measurements using a cygnus gauge or equivalent? **No.**
6. Will any specific structural elements require greater than a Level 1 inspection (per ASCE MOP 130)? **No.**
7. If bidding as a team with more than 1 contractors/consultants, is it acceptable for the team representative attending the pre-bid meeting be from one of the subcontractors? **The Prime vendor had to have attended the Pre-Bid meeting.**
8. Are there any specific dive certifications requirements, aside from 5 years' experience, such as ADCI air diver or ADCI dive supervisor? **No.**
9. Does structural inspection work have to be supervised by a licensed professional engineer in accordance with the American Society of Civil Engineer's (ASCE) MOP 130 manual on waterfront inspections? **No.**
10. Are inspection reports required to be stamped and sealed by a Florida licensed professional engineer? **No.**
11. Are there any specific dive certifications requirements, aside from 5 years' experience, such as ADCI air diver or ADCI dive supervisor? **No.**

12. Are there any specific inspection certification requirements, aside from experience, such as NHI's underwater bridge inspection course? **No.**
13. Does the inspection of the pipeline require underwater thickness (UT) gauge measurements using a cygnus gauge or equivalent? **No.**
14. Will any specific structural elements require greater than a level 1 inspection? **No.**
15. If bidding as a team with a subcontractor, did a member from both the prime contractor and subcontractor have to attend the pre-bid meeting? **The Prime vendor is the only one that needed to attend the pre-bid meeting.**
16. Can you provide the rates established in the current Dive Services contract? **Please see contract 21-53 located on the county's website.**
<https://procurement.opengov.com/governments/11110850/contracts/105255>
17. Can you provide the most recent inspection reports for all structures / pipelines that require inspection and a report under this contract? **Please see attached.**

All respondents shall acknowledge receipt of this addendum by signing and submitting, with their bid, the addendum acknowledgement form included in the Bid package.

Regards,

Ken Longstreet
Grant Procurement Administrator
Bay County Purchasing Department
(850) 248-8270
purchasing@baycountyfl.gov.



In Depth Inc.
1473 Old Haw Creek Rd.
Bunnell, FL 32110
(386) 202-2771

Inspection Report

Client: Bay County
Asset ID: Deer Point Dam





Inspection Summary

A comprehensive inspection was conducted by In Depth Inc. on both the saltwater and freshwater sides of the Deer Point Dam between March 14 and 16, 2025. Certified commercial divers performed the inspection, documenting physical defects, corrosion, biological fouling, and the condition of structural and mechanical components.

On the saltwater side, structural and environmental stressors were observed. Heavy marine growth was pervasive on Z-sheets, piles and concrete headers/ caps. Repairs were performed on the previously identified void in the Z-sheet from bents 1 through 22 and are in overall good condition. Moderate to heavy corrosion and rust nodules with the presence of voids were observed through the remaining bents. Heavy exposed aggregate was extensive throughout concrete areas with various locations of hairline cracking. Several flapper gates were missing hardware with occasional lifting cables damaged or improperly rigged.

Some previously identified undermining was no longer present while new locations were noted. In several areas, accumulated hard marine growth obscured previously documented defects, complicating direct visual comparisons with earlier inspection records.

The freshwater side of the dam was found to be in generally satisfactory condition, with no immediate structural threats. Surface deterioration, including exposed aggregate and scattered spalling, was observed along the seawall cap but remained localized and cosmetic. No exposed rebar or undermining was noted during diver assessments. Moderate corrosion was present on cathodic protection and grounding wires. The Z-sheet wall system was rated in good condition overall, and multiple previously installed epoxy patches were confirmed to be intact, with only minor surface corrosion observed near some repairs. Organic debris and vegetation buildup were more prominent near the southern end of the pipeline corridor.

In conclusion, while the freshwater infrastructure remains stable and requires only routine maintenance, the saltwater side requires targeted remediation. Addressing remaining voids, corrosion, removing marine growth, and replacing missing or damaged gate hardware and cables will be essential to maintaining the structural and operational integrity of the facility.

This report outlines the detailed findings along with pictures from both freshwater and seawater sides obtained during this inspection. Reference included dive videos for additional details pertaining to this inspection report:

- Deer Point Dam, Bay County, FL - Saltwater Side (pt 1)
- Deer Point Dam, Bay County, FL - Saltwater Side (pt 2)
- Deer Point Dam, Bay County, FL - Freshwater Side

Best regards,

A blue ink handwritten signature, appearing to read "Zach", is written over a horizontal line.

Zach Rogers, President



Saltwater Side Inspection Note

In Depth Inc.

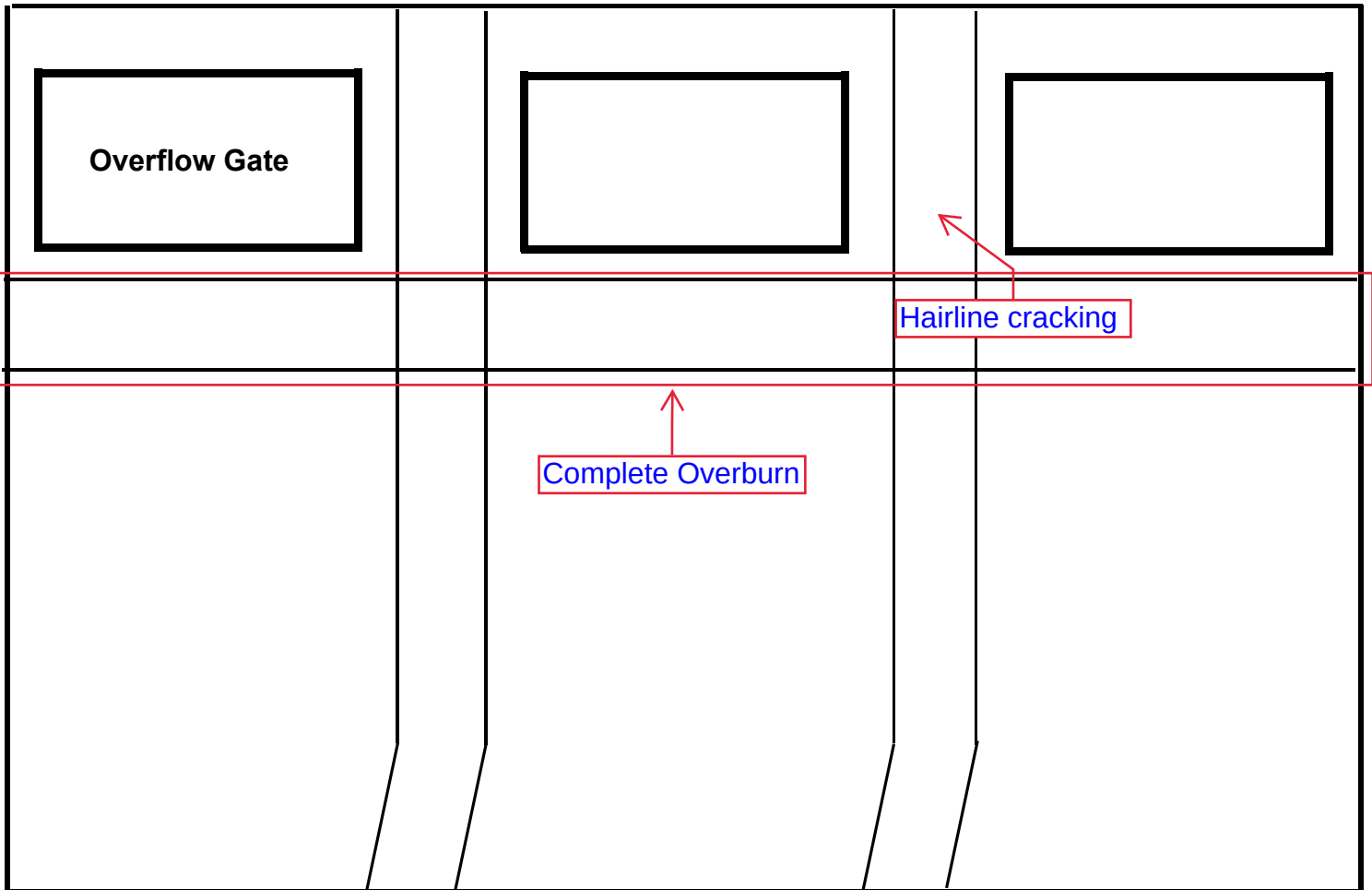
Inspection Date: 3/14/2025

Client: Bay County

Asset ID : Deer Point Dam

Bent 1

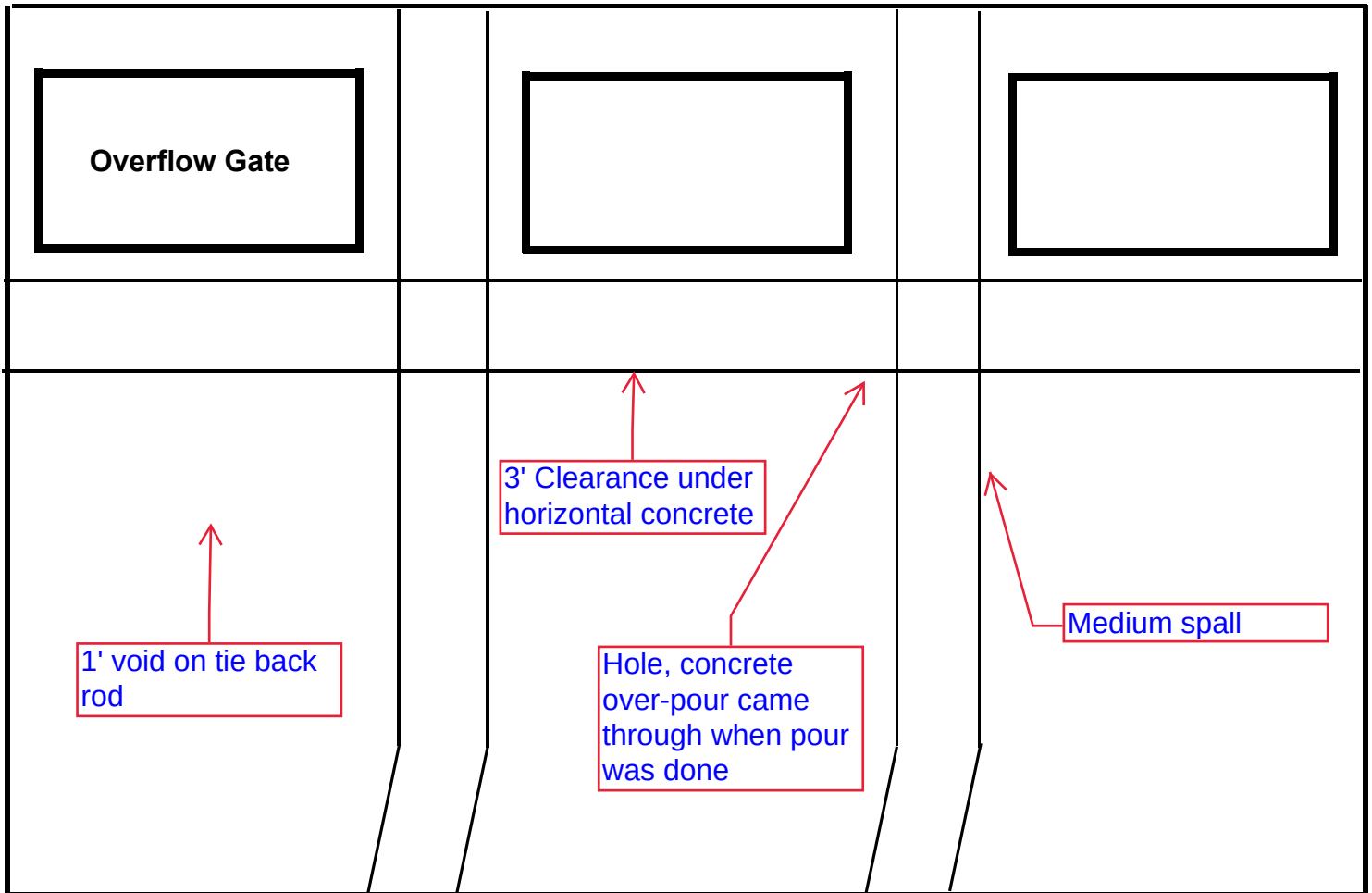
Bent Abutment



- Complete over burden in this bay
- Z-sheets are inaccessible
- Flapper gates in Fair condition; graffiti and minor debris
- Tie back brackets in Good condition; hardware welded
- Exposed aggregate and bug holing present on concrete
- Hairline crack on concrete pile between right and middle gate
- No repairs were carried out

Bent 3

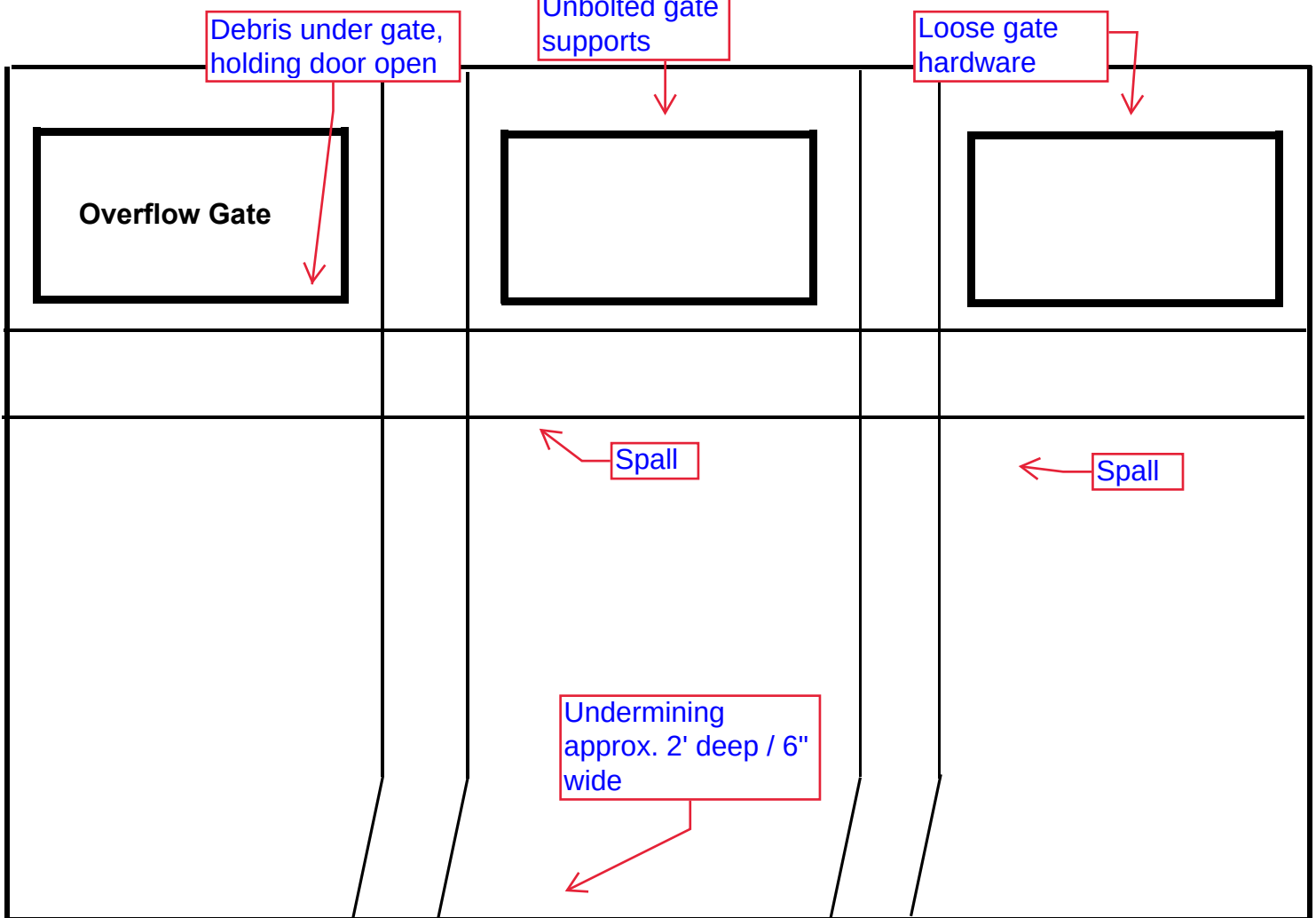
Bent 2



- Moderate growth on Z sheets
- Minor scaling noted on Z sheets
- Minor growth present on pile
- Moderate exposed aggregate present on header
- Minor crack on underside of pile cap repaired with Splash Zone

Bent 4

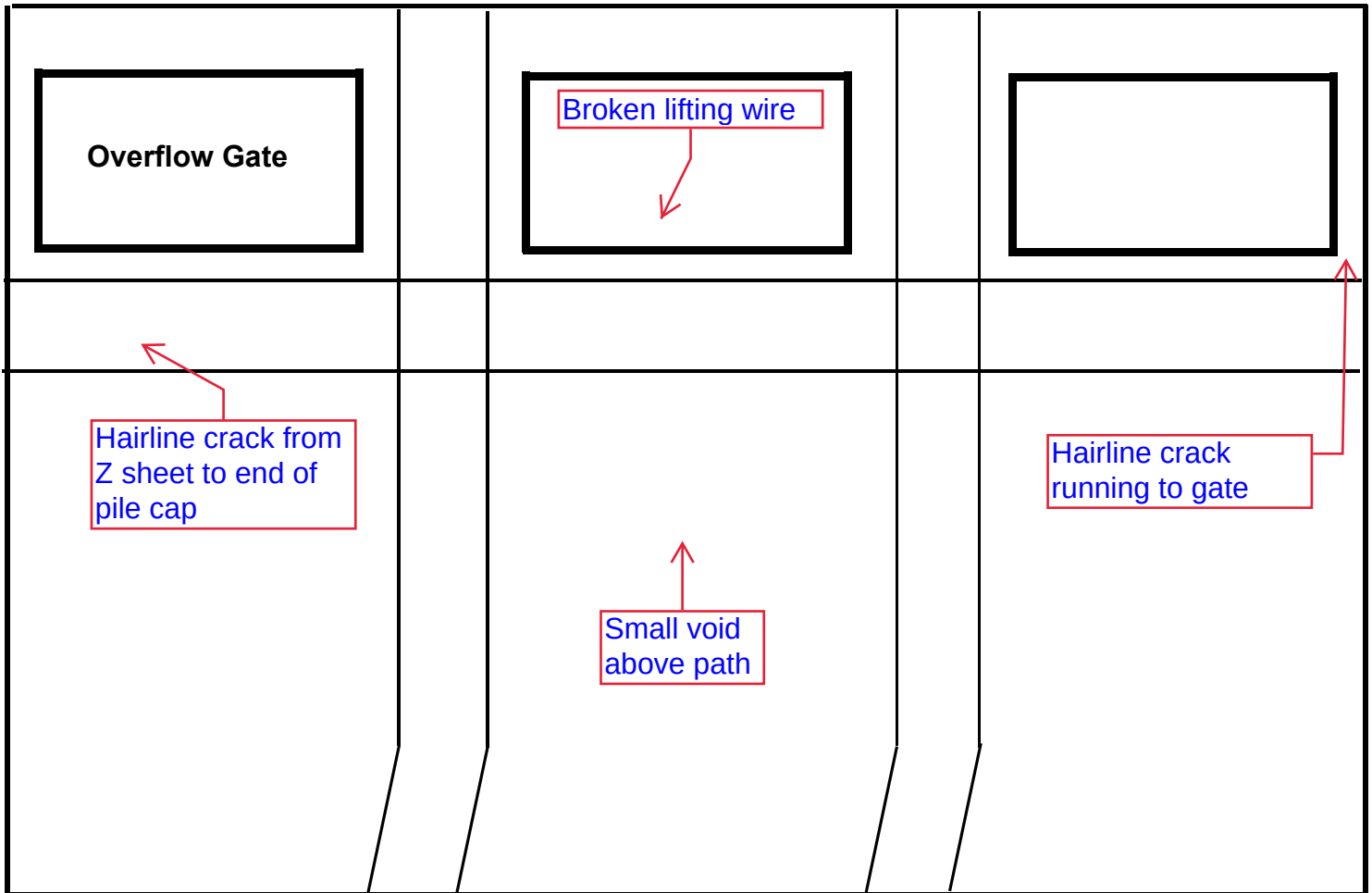
Bent 3



- Minor to moderate growth on Z sheets
- Moderate scaling noted on Z sheets
- Minor spalling (small - medium) present on header
- Moderate growth noted on pile
- Right flapper has debris in it keeping gate open
- Heavy marine growth
- Heavy exposed aggregate
- All holes have been patched

Bent 5

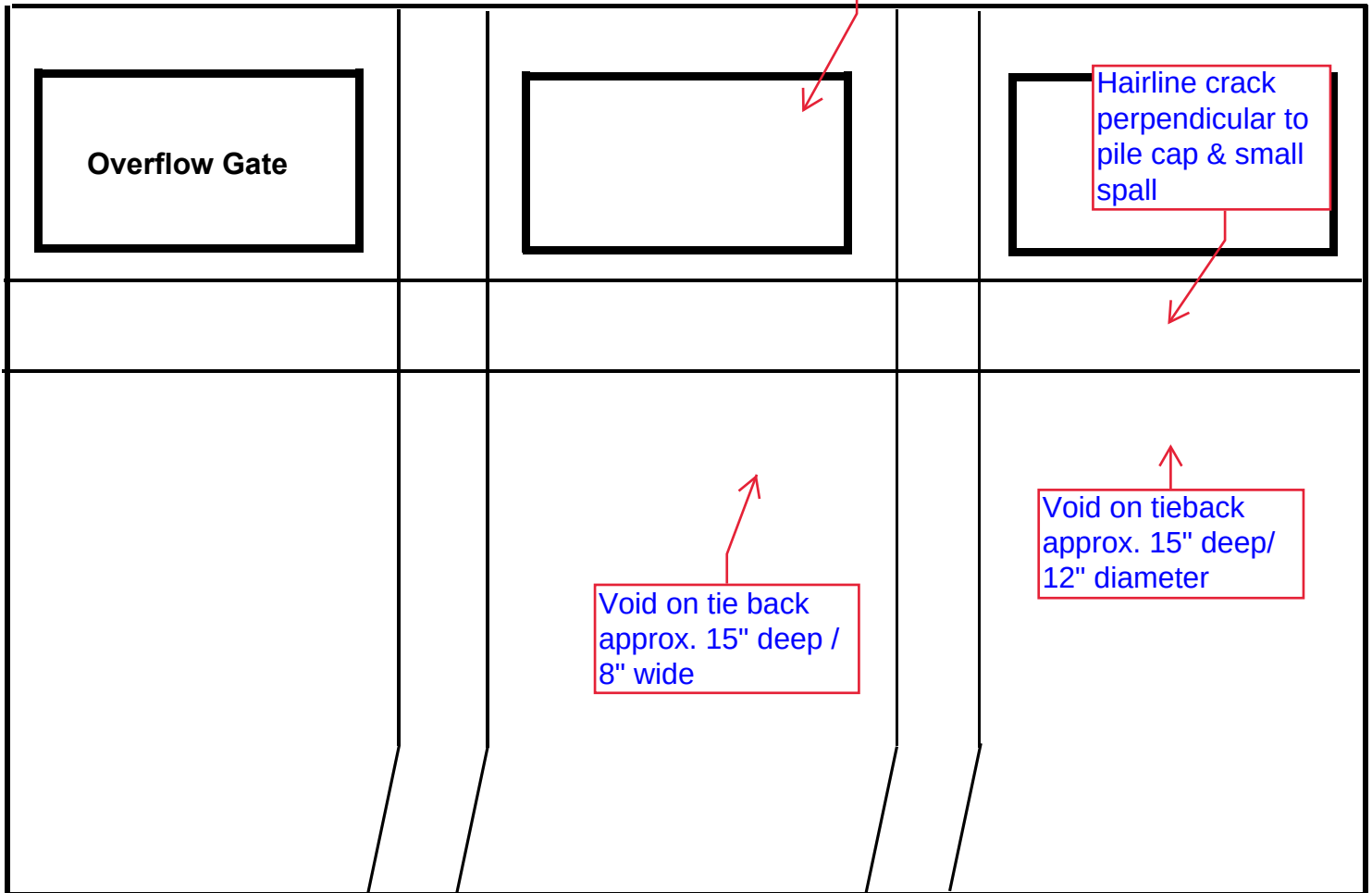
Bent 4



- Minor growth present on Z sheets
- Minor scaling noted on Z sheets
- Patches in place over pre-existing holes
- Heavy exposed aggregate on concrete
- Small hole 1" diameter above patch in the middle gate
16" below header

Bent 6

Bent 5

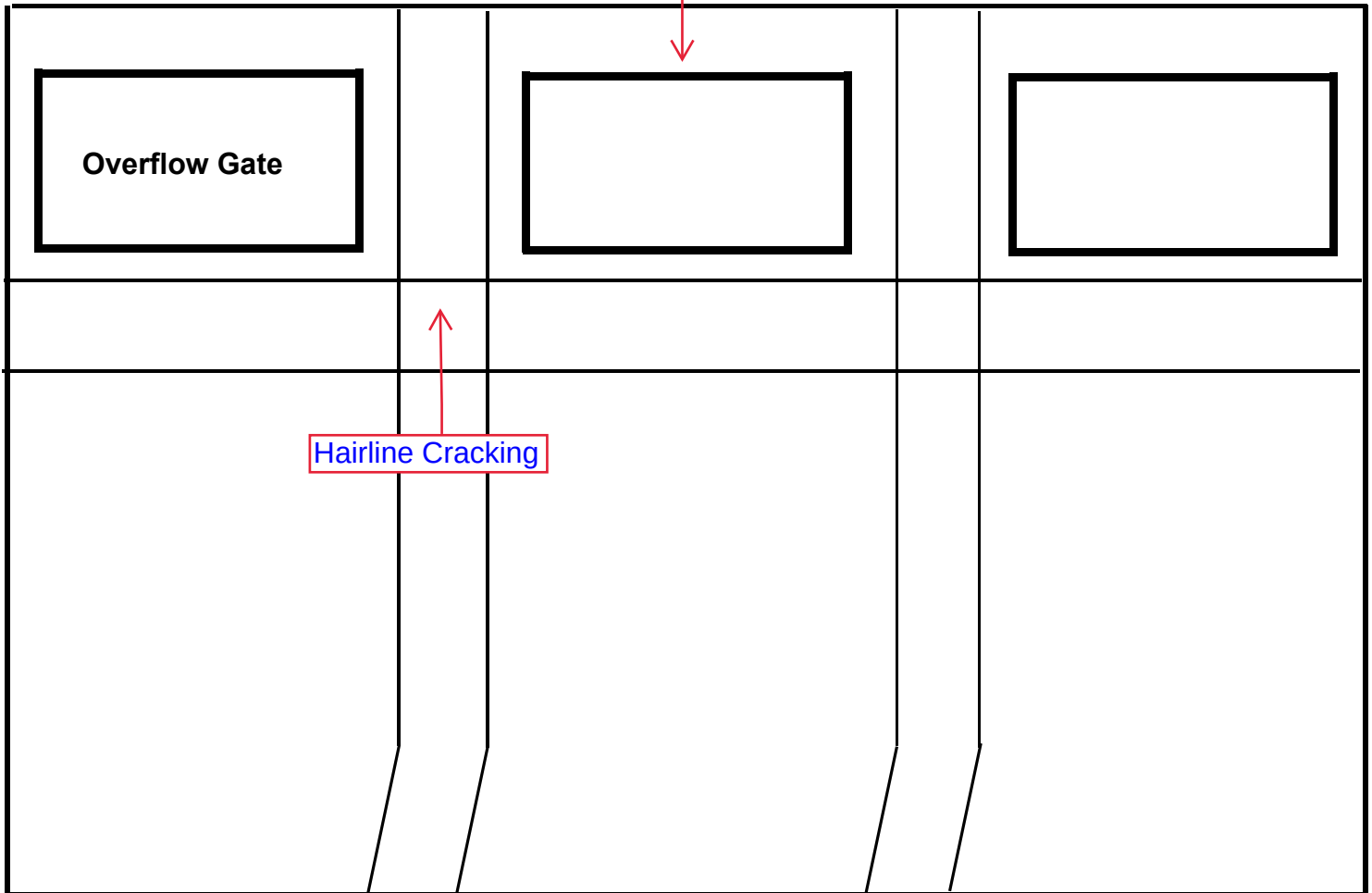


- Minor scaling noted on Z sheet
- Minor growth on z sheets & piles
- Heavy marine growth present
- Heavy exposed aggregate on concrete
- Area of undermining under middle gate near right gate, area is 5' wide and 1-2' deep
- Missing piece of wood on left flapper gate top left corner
- No repairs were performed

Bent 7

Bent 6

Missing hardware



- Minor growth noted throughout Z sheets & pile
- Minor scaling present on Z sheets
- Corrosion present throughout with moderate marine growth
- All holes patched over
- Heavy exposed aggregate on concrete
- Exposed reinforcement on header
- Cracking present on pile between middle gate and left gate

Bent 9

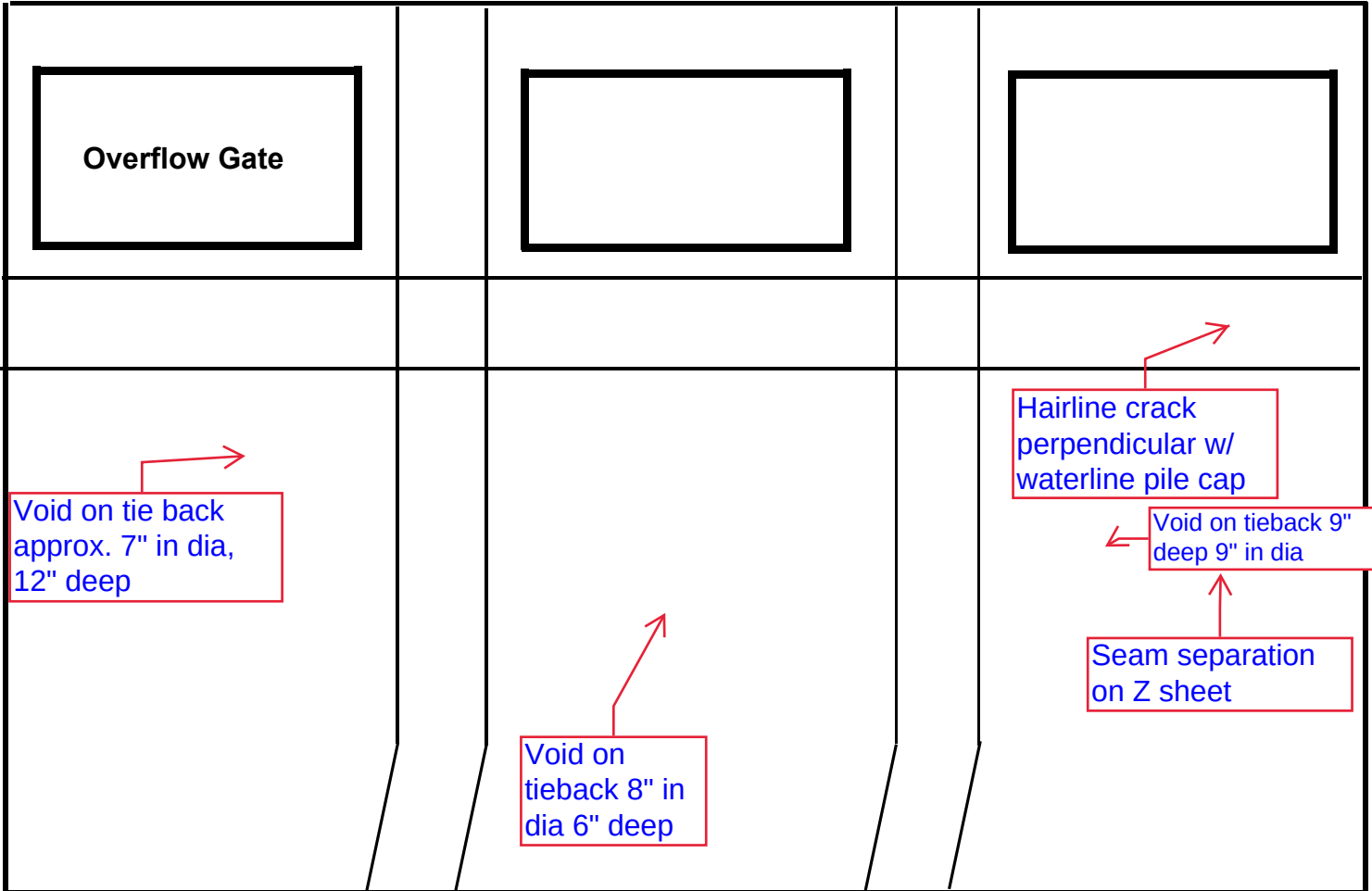
Bent 8

				Void on tie back approx. 2" around tie back, 3" deep

- Minor growth noted on pile & Z sheets
- Minor scaling present on Z sheets
- Moderate corrosion present Throughout
- Holes patched over
- Exposed aggregate @ waterline
- Small void on tieback near Bent 8

Bent 10

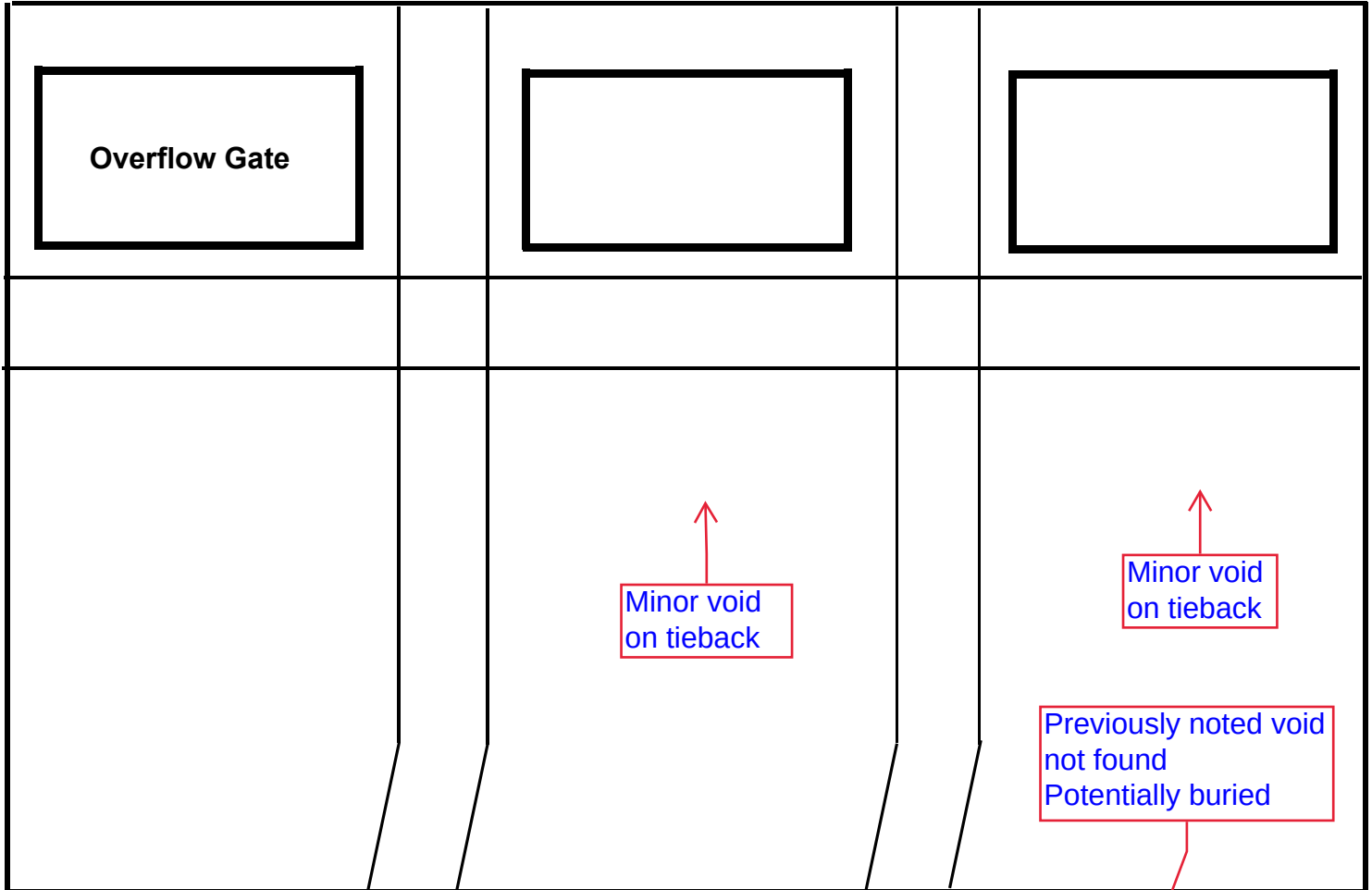
Bent 9



- Minor scaling present on Z sheets
- Minor to moderate growth on Z sheets / pile
- Minor corrosion noted
- Void on right tieback, 8"x6"x5" deep
- Exposed aggregate heavy at the waterline
- Video corrupted here had to redo

Bent 11

Bent 10



- Moderate to heavy growth on Z sheets / piles
- Corrosion noted throughout
- Hole has been patched
- Exposed aggregate present on concrete
- Minor tieback voids (1/2" to 1")

Bent 12

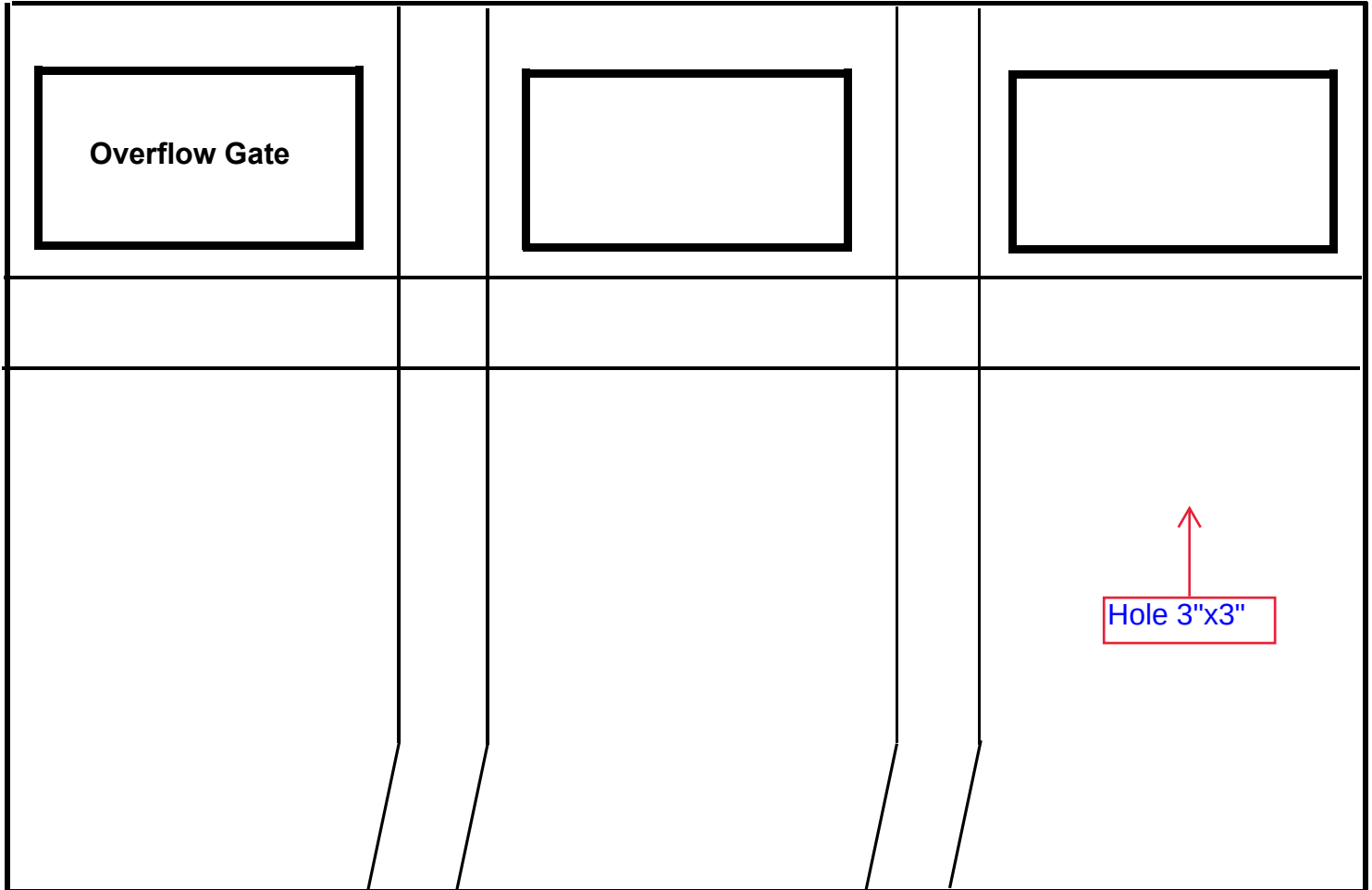
Bent 11

Overflow Gate				

- Marine growth present
- Moderate corrosion present
- Holes have been patched over
- Exposed aggregate on concrete
- Wire repaired

Bent 13

Bent 12



- Minor corrosion noted
- Moderate to heavy marine growth
- Right side gate hole found 3"x3" 20" from top of header closer to right side
- All other holes have been patched
- Exposed aggregate at waterline
- Missing hardware on middle flapper gate
- Loose hardware on left flapper gate

Bent 15

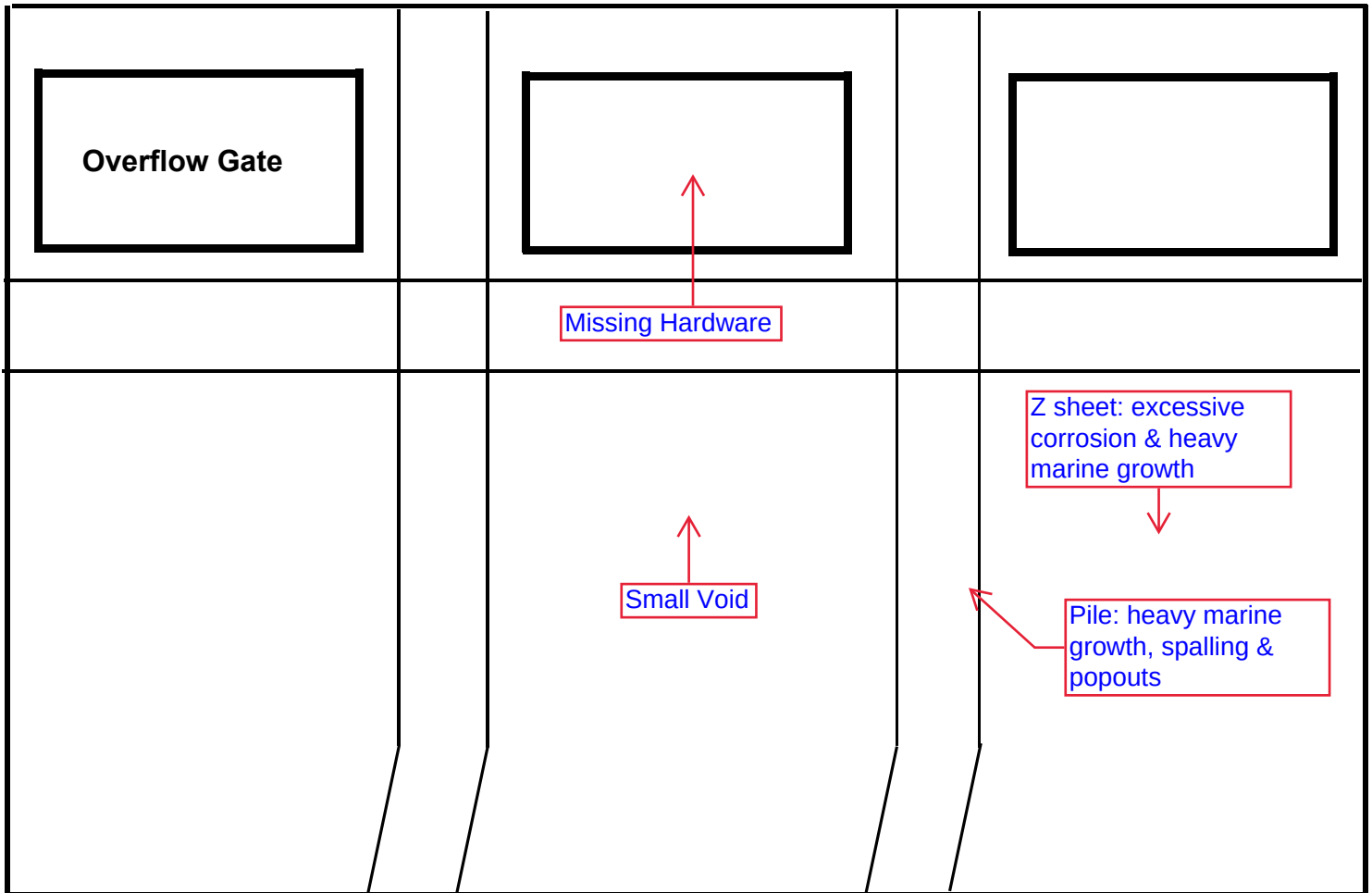
Bent 14

Overflow Gate				

- Heavy corrosion noted throughout
- Moderate marine growth
- Exposed aggregate heavy at waterline
- All holes patched up
- Cable fixed

Bent 16

Bent 15



- Moderate corrosion present on Z sheets
- Moderate growth at splash zone / heavy below waterline
- Missing hardware on middle gate
- Patches in place
- Small hole 1-1/2"x3"x1/4" under Gate #2 located approx. 36" from header

Bent 17

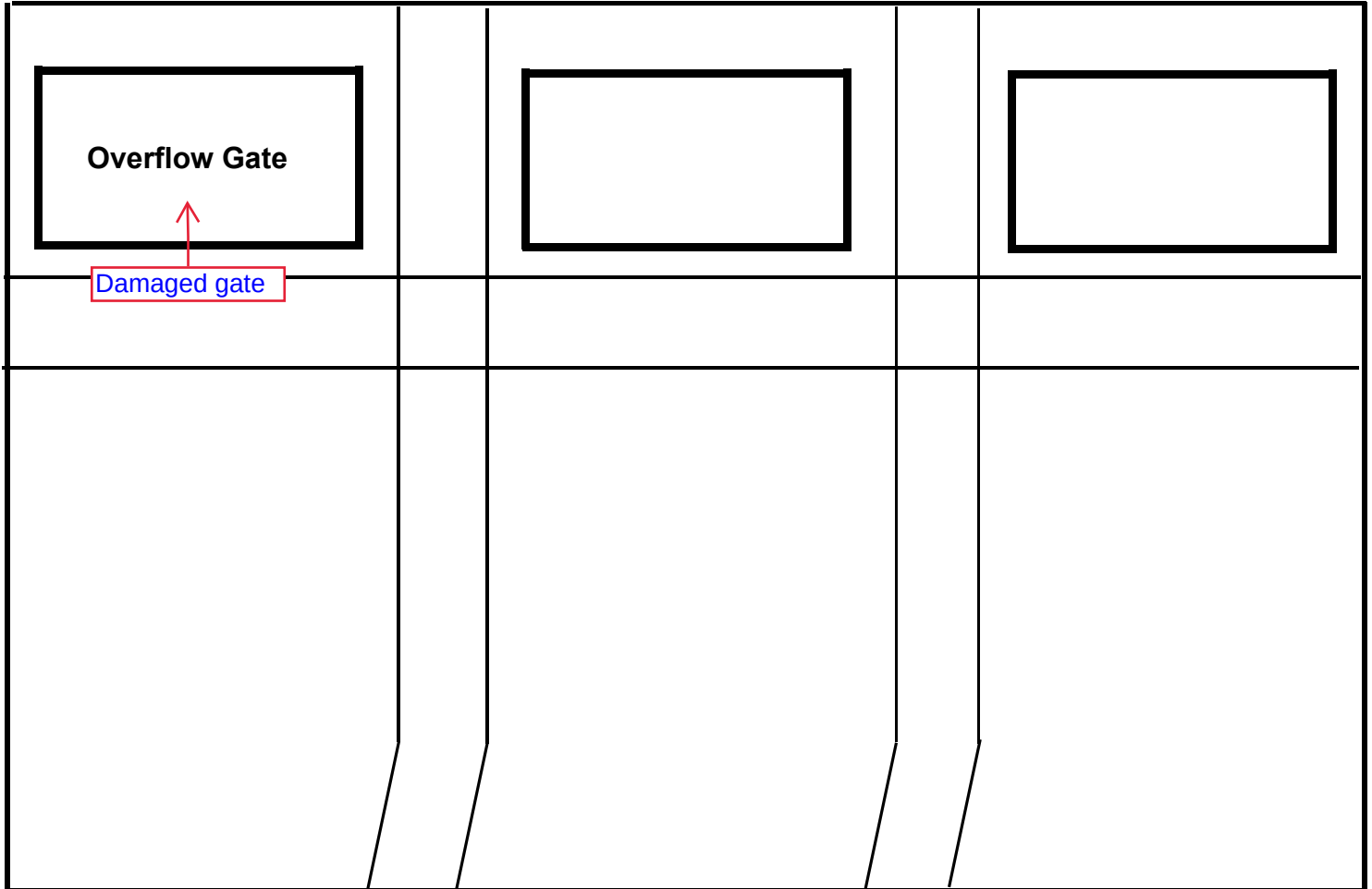
Bent 16

Overflow Gate				
Overflow gate missing hardware				

- Heavy growth throughout Z sheets & piles
- Holes patched
- Exposed aggregate at waterline
- Left gate right side missing bolt

Bent 18

Bent 17



- Heavy growth noted on Z sheets / piles
- Moderate corrosion on sheet pile
- Holes have been patched
- Exposed aggregate on concrete
- No undermining noted
- Holes (x3) in left gate with unsecured hardware

Bent 19

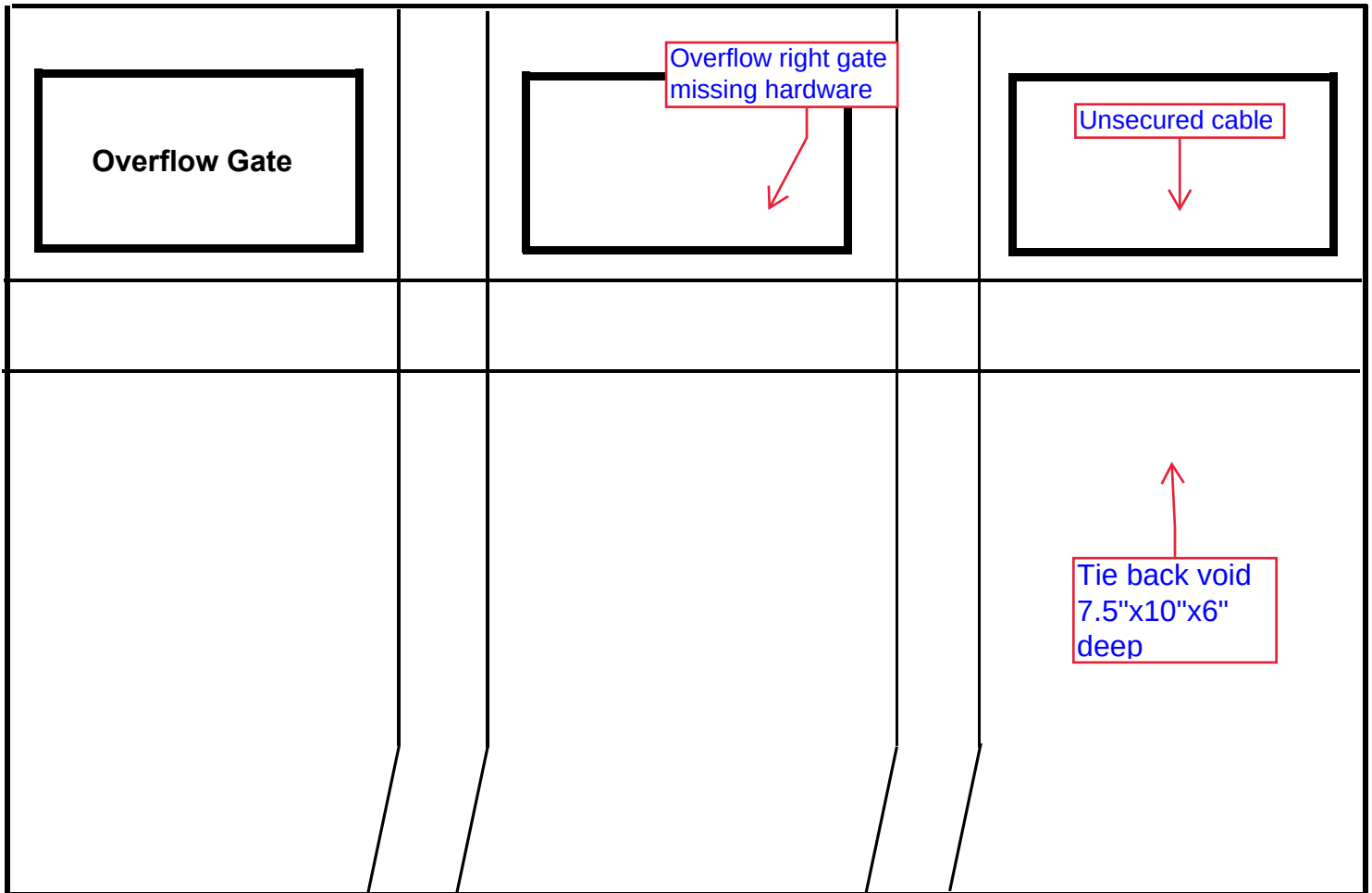
Bent 18

Overflow Gate		↑ Missing right bracket		

- Heavy growth noted on Z sheets / piles
- Holes have been patched up
- No undermining noted
- Middle gate missing nut and right bracket on flapper

Bent 21

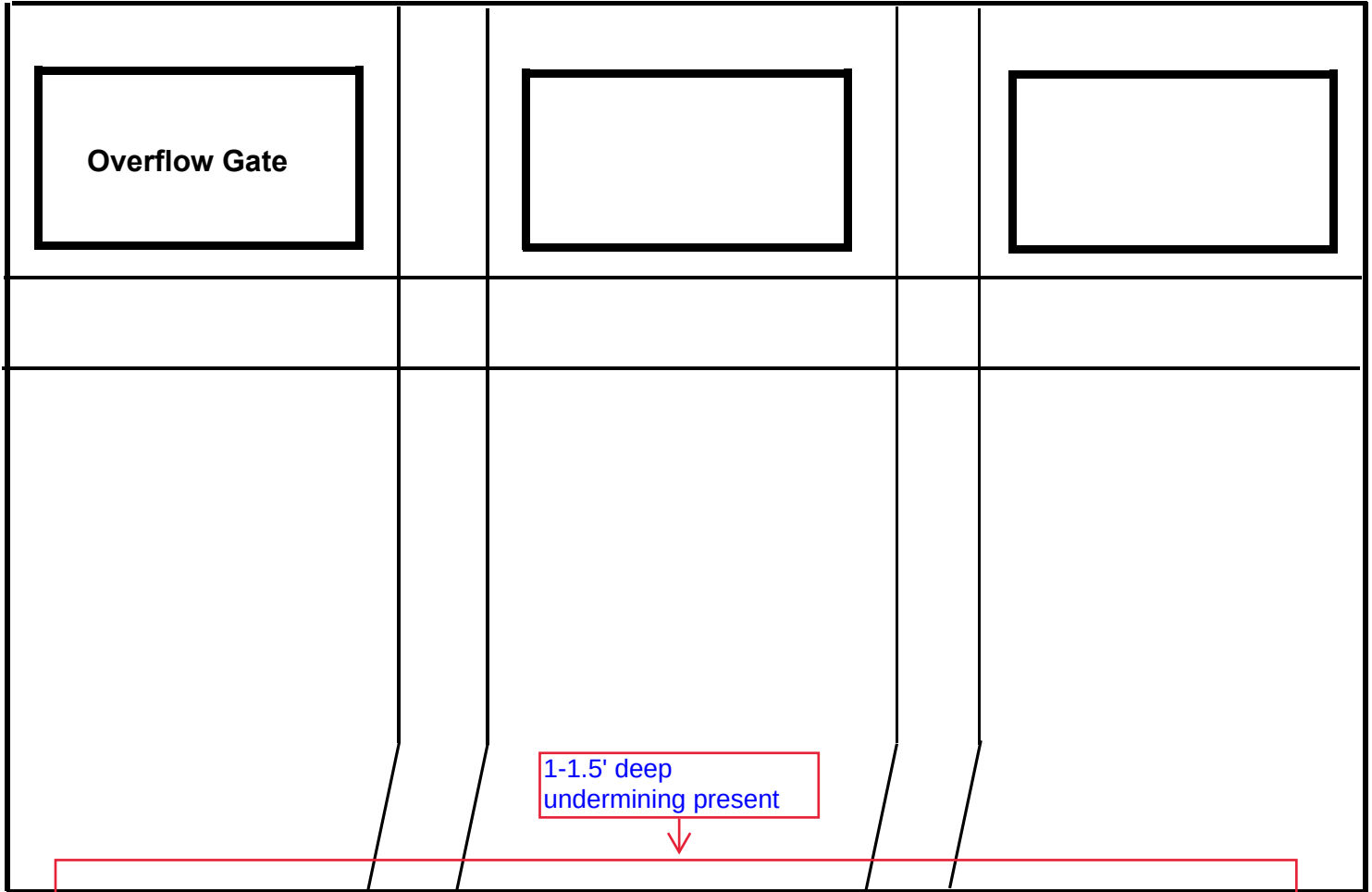
Bent 20



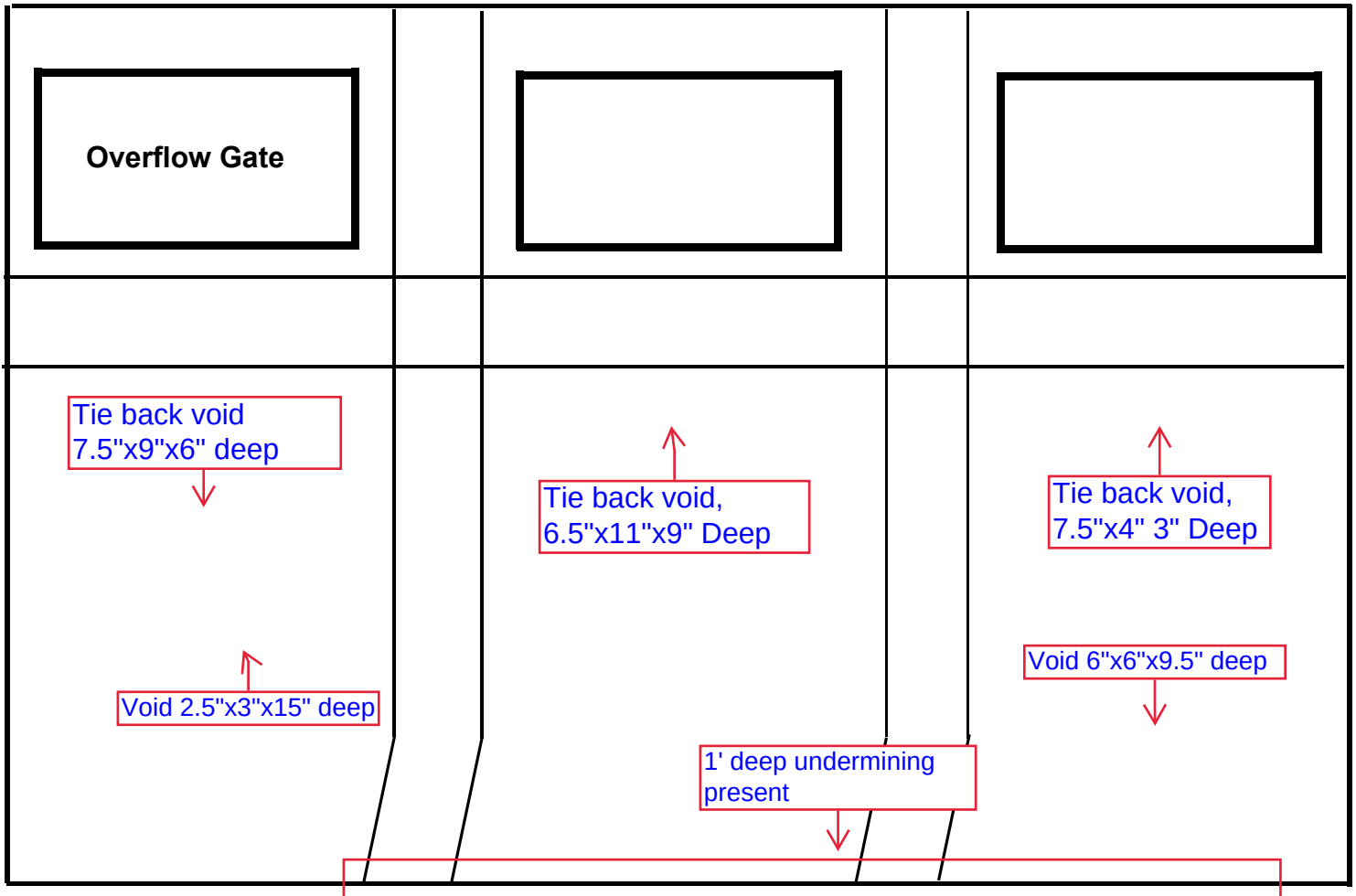
- Heavy marine growth
- Heavy corrosion
- Holes have been patched
- No undermining noted
- Exposed aggregate on concrete
- Void on tieback on right side
- Middle gate missing hardware

Bent 22

Bent 21



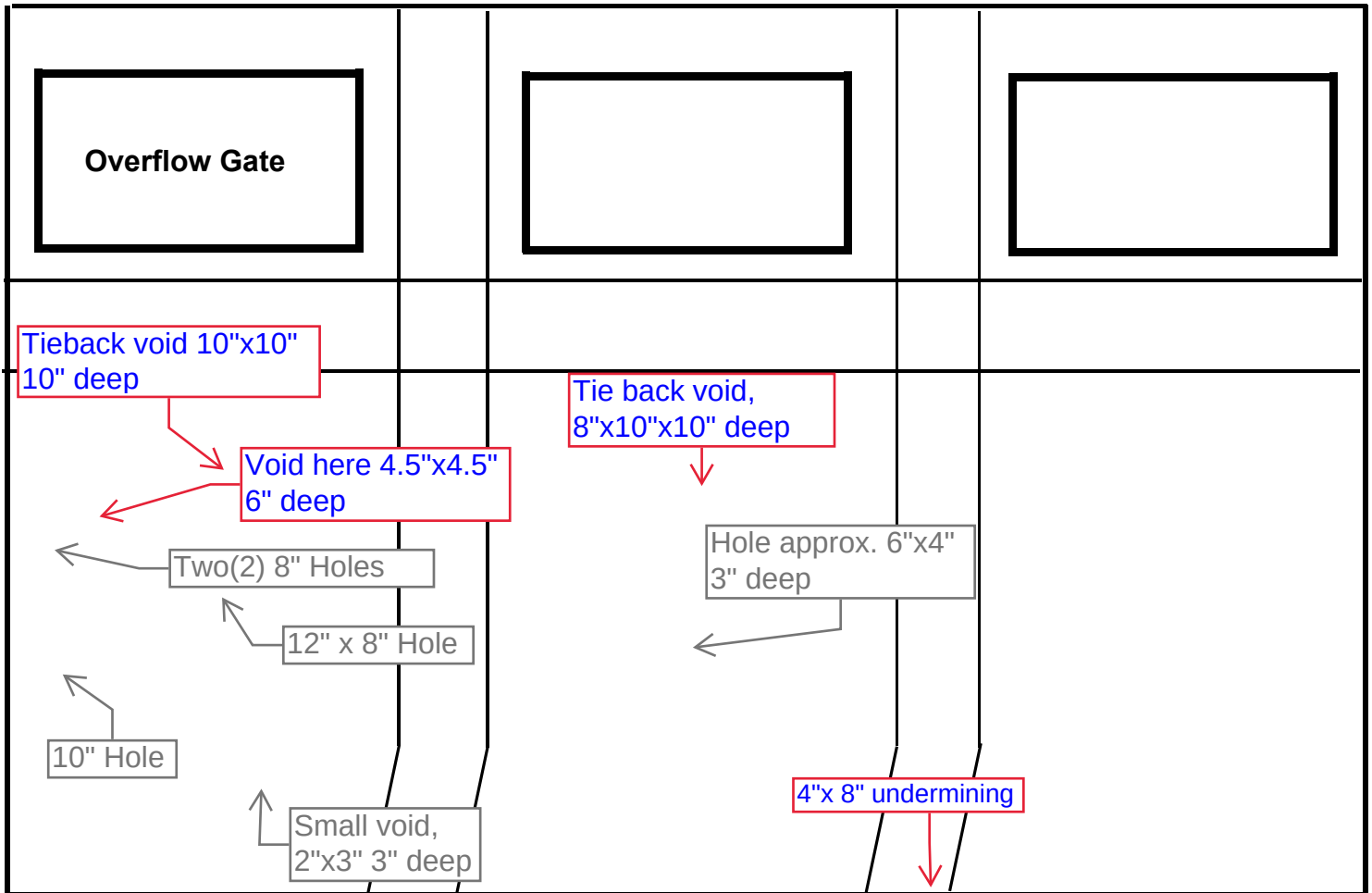
- Heavy growth noted throughout
- Heavy corrosion noted
- Holes have been patched
- Undermining present along left, middle, and right gate 1-1.5' deep

Bent 23Bent 22

- Heavy marine growth present throughout
- Heavy corrosion unlocalized throughout
- Hole found 6"w x 6"h x 9.5"d right gate, 52" from header
- Exposed aggregate at the waterline
- Void on tieback right side, 7.5"h x 4"w x 3"d
- Void on tieback middle 6.5"h x 11"w x 9"d
- Void on tieback left 7.5"h x 9"w x 6"d
- Hole found left gate, 2.5"w x 3"h x 15"d, 37.5" from header

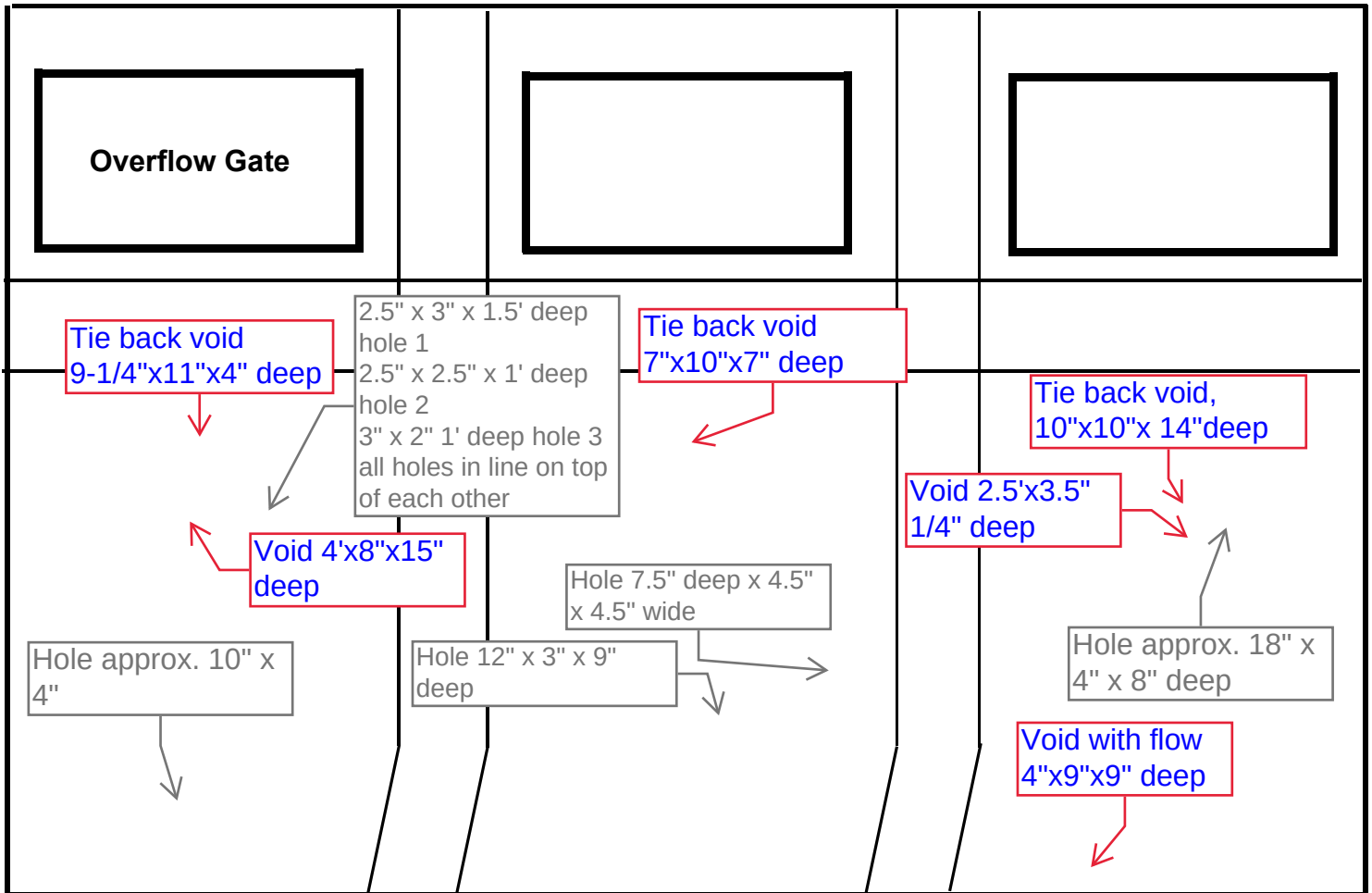
Bent 24

Bent 23



- Consistent rating with old report
- Exposed aggregate at the waterline
- Significant/ Heavy marine hard growth noted throughout
- Hole found left gate, 4.5"w x 4.5"h x 6"d, 20" from header

*Previously identified discrepancies may now be obstructed by hard marine growth

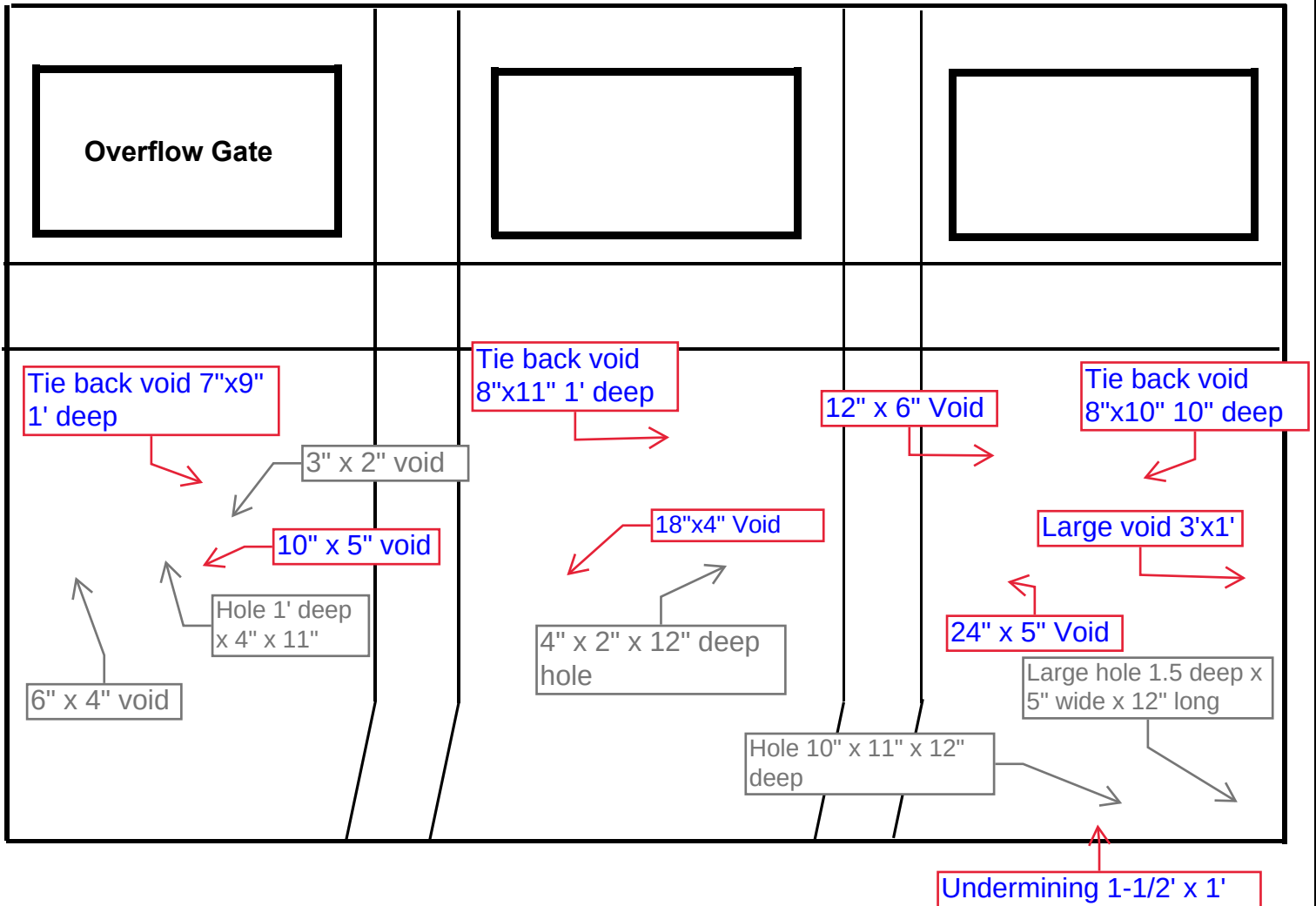
Bent 25Bent 24

- Significant/ Heavy marine growth
- Scaling present
- Significant corrosion present
- Heavy exposed aggregate at the waterline
- Void on right gate tie back with water flow (10"w x 10"h x 14" deep)
- Void on middle gate tieback (7"w x 10"h x 7" deep)
- Void on left gate tieback with water flow (9-1/4"w x 11"h x 4" deep)
- Void right gate, 2.5"w x 3.5"h x 1/4"d, 46" from header
- Void right gate with flow, 4"w x 12"h x 9"d, 46" (near bottom)
- Void left gate 4"w x 8"h x 15"d, 42-1/2" from header

*Previously identified discrepancies may now be obstructed by hard marine growth

Bent 27

Bent 26

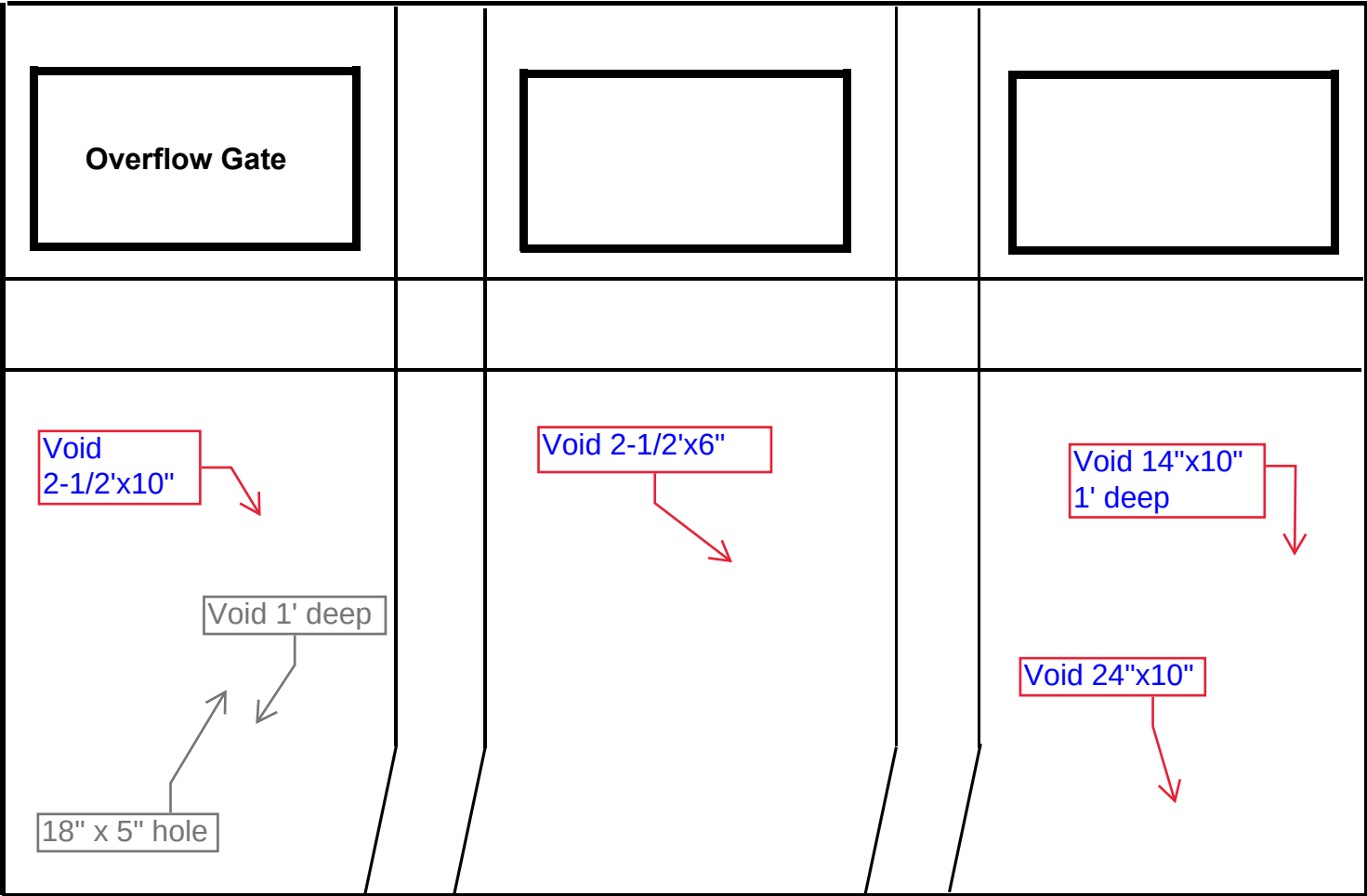


- Heavy marine growth present throughout
- Heavy corrosion unlocalized throughout
- Exposed aggregate present at waterline
- No undermining noted in middle gate and left gate

*Previously identified discrepancies may now be obstructed by hard marine growth

Bent 28

Bent 27

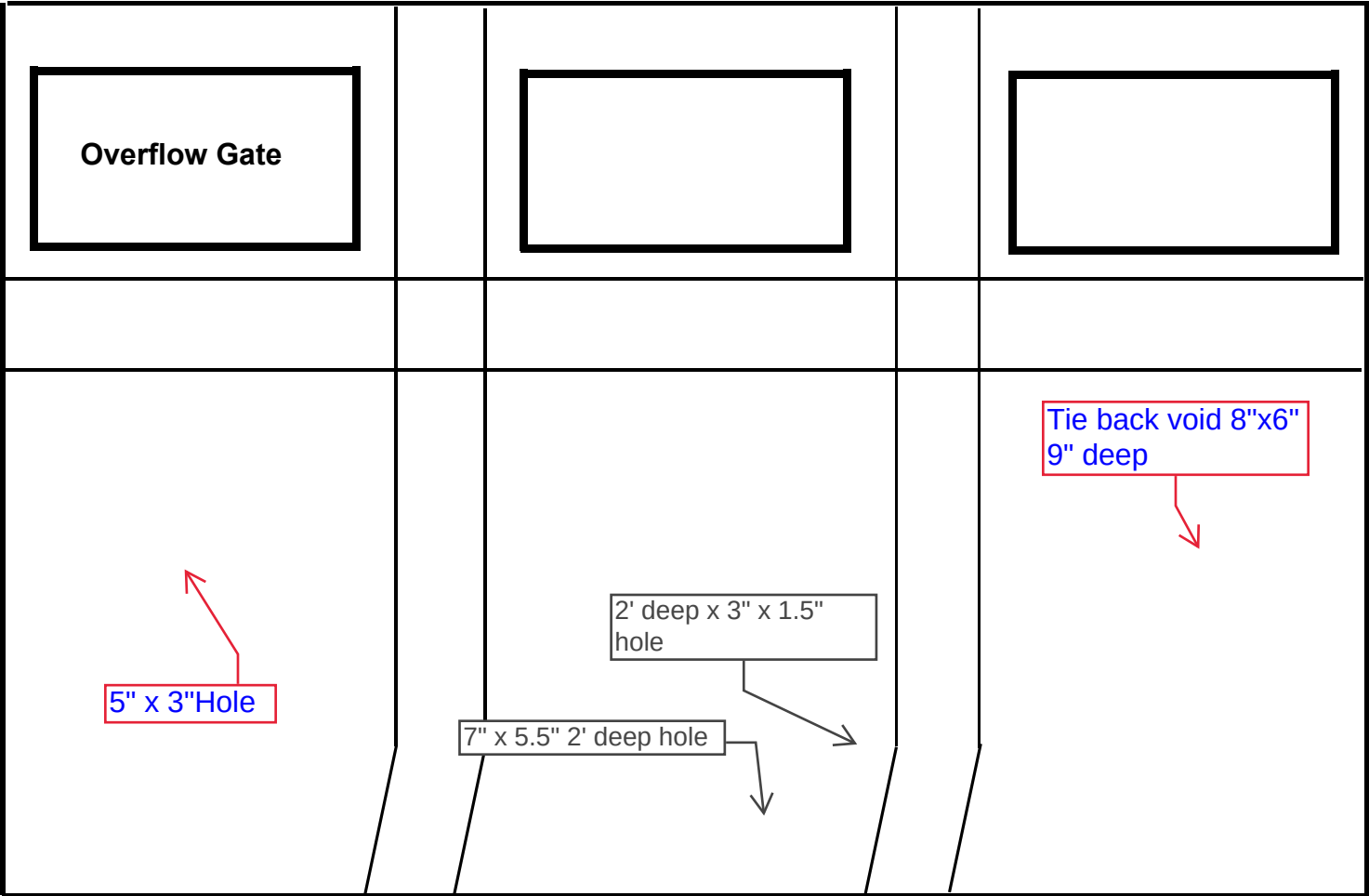


- All overflow gates missing hardware
- Heavy marine growth
- Heavy corrosion
- No undermining found
- Holes are still present

*Previously identified discrepancies may now be obstructed by hard marine growth

Bent 29

Bent 28

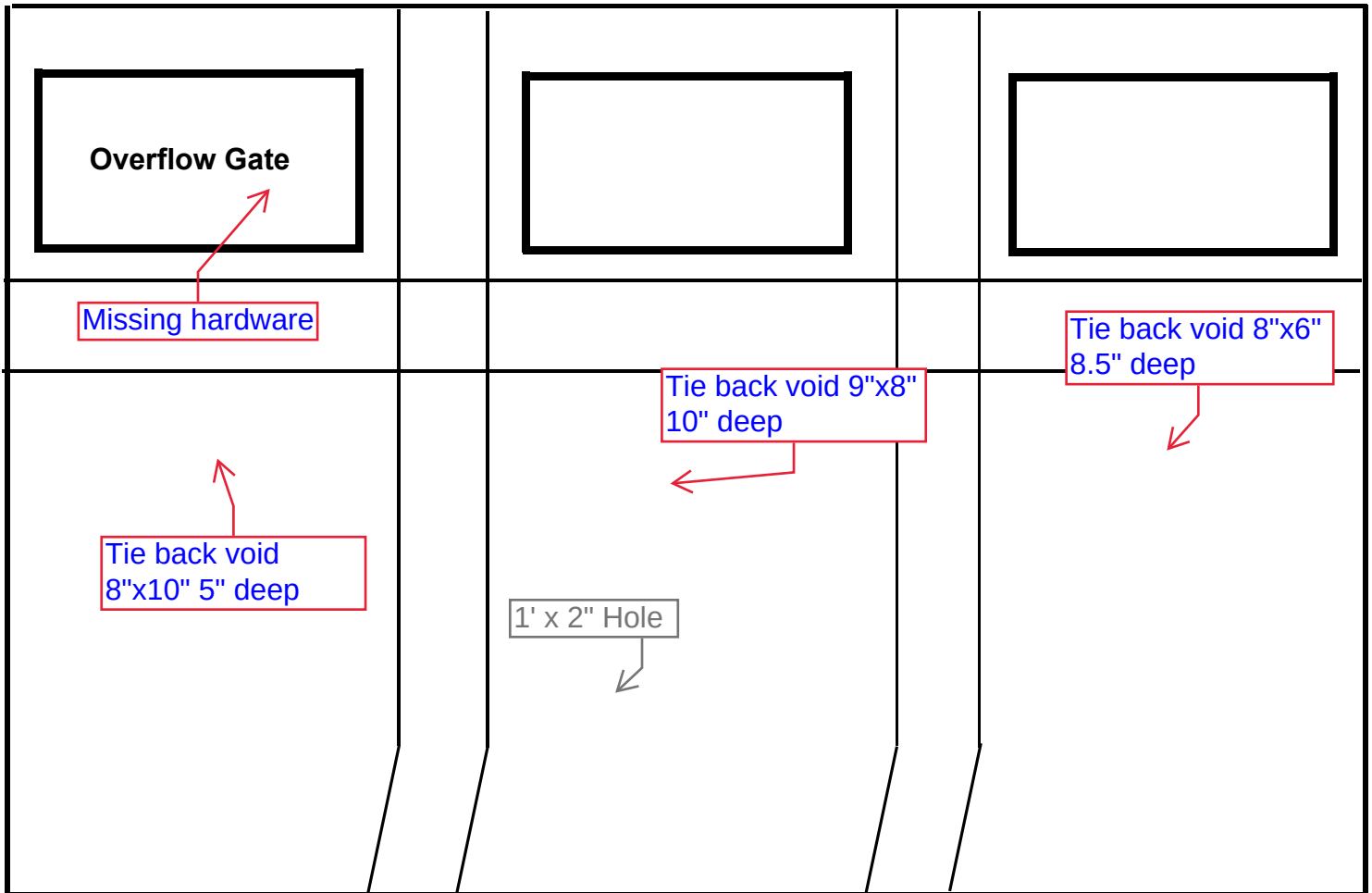


- Heavy marine growth present throughout
- Heavy corrosion unlocalized throughout
- No undermining noted
- Exposed aggregate on concrete

*Previously identified discrepancies may now be obstructed by hard marine growth

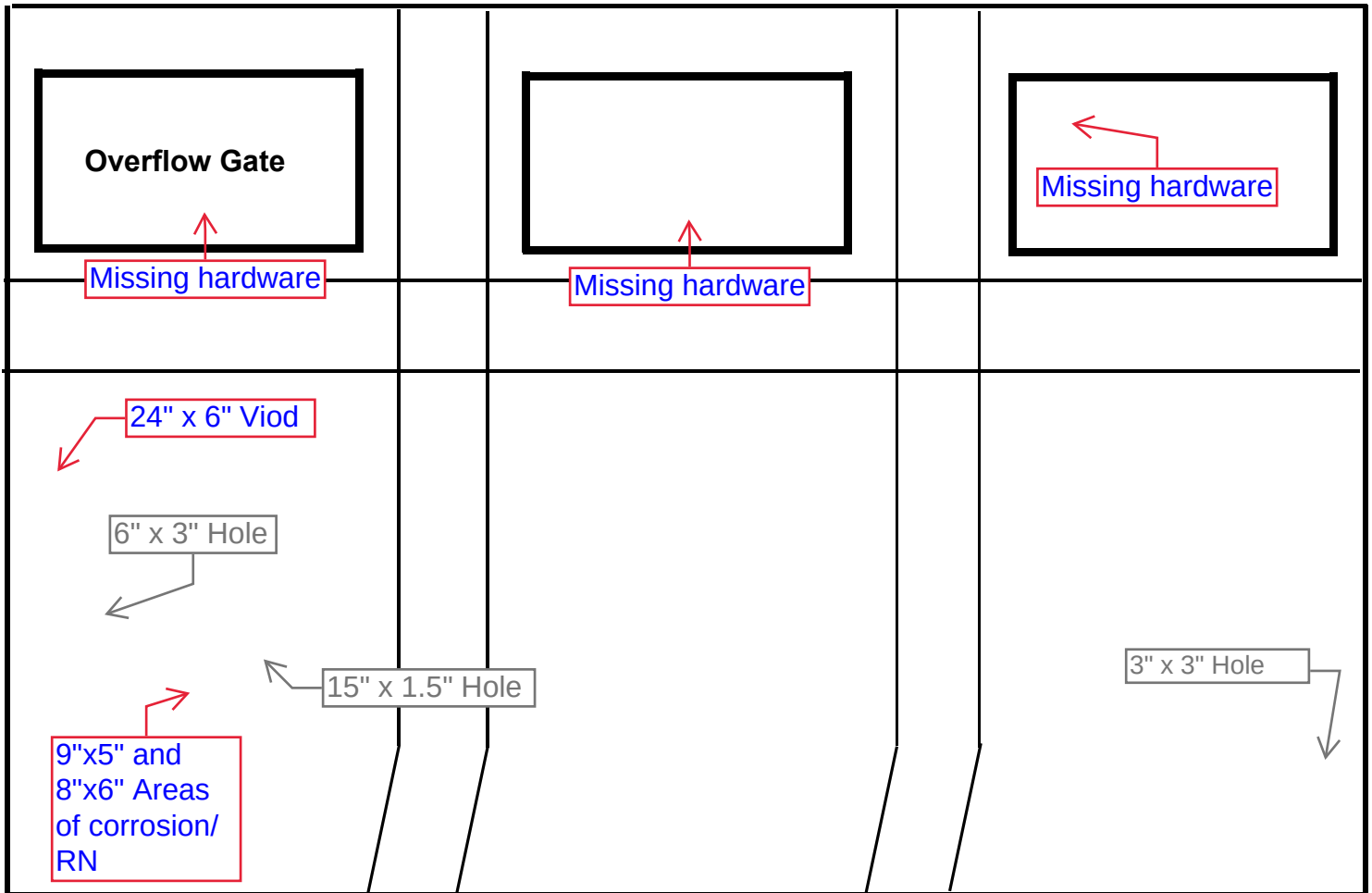
Bent 30

Bent 29



- Heavy marine growth
- Heavy corrosion
- No undermining noted
- Exposed aggregate at the waterline
- Rusted hardware on right flapper
- Missing hardware on left flapper

*Previously identified discrepancies may now be obstructed by hard marine growth

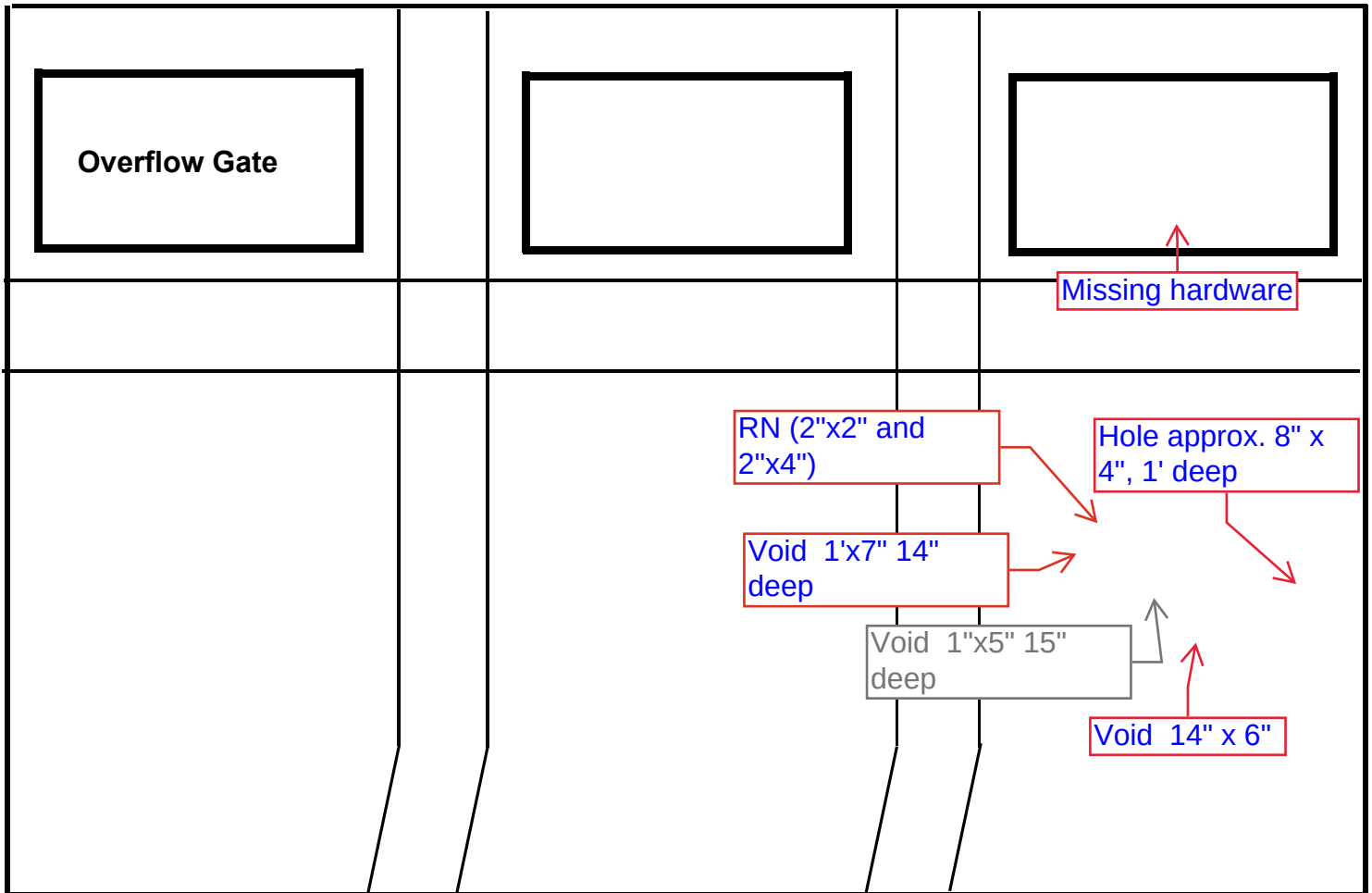
Bent 31Bent 30

- Heavy corrosion w/ scaling
- Heavy marine growth present
- No undermining noted during inspection
- Exposed aggregate on concrete at waterline
- Missing hardware on right gate (left plate)
- Missing hardware on left and middle gate (swing arm to gate)
- Large patches of corrosion left gate z-sheet 9"x5" and 8"x6"

*Previously identified discrepancies may now be obstructed by hard marine growth

Bent 33

Bent 32

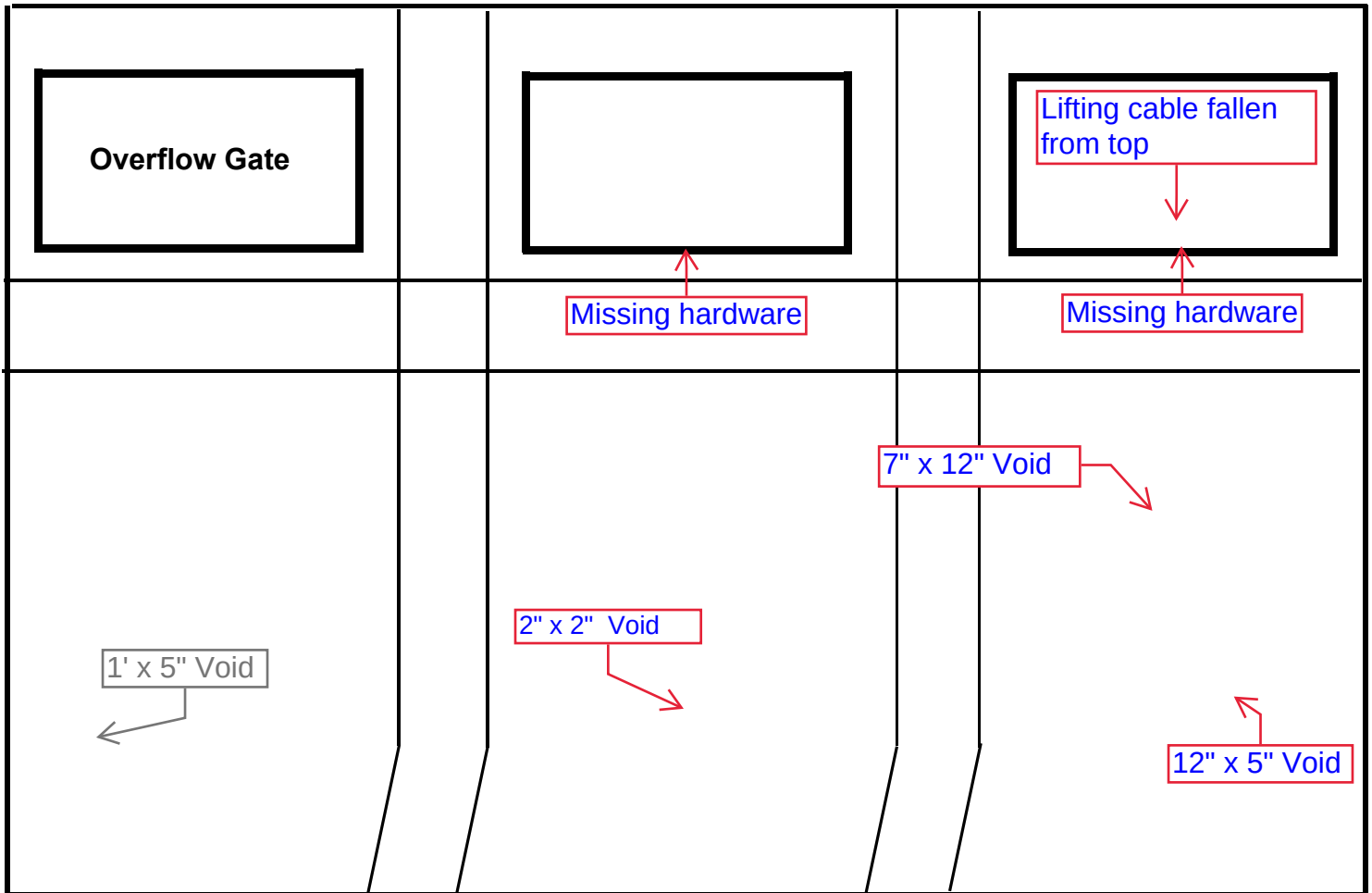


- Heavy marine growth
- Heavy corrosion
- Exposed aggregate on concrete
- Corrosion/ rust noduling right gate (2"x2" and 2"x4")
- Missing washer on tieback bracket middle gate
- Missing hardware on right flapper (right two swing arms to gate)
- Missing hardware on middle flapper (swing arm to gate)
- Missing/ loose hardware on left flapper gate

*Previously identified discrepancies may now be obstructed by hard marine growth

Bent 34

Bent 33

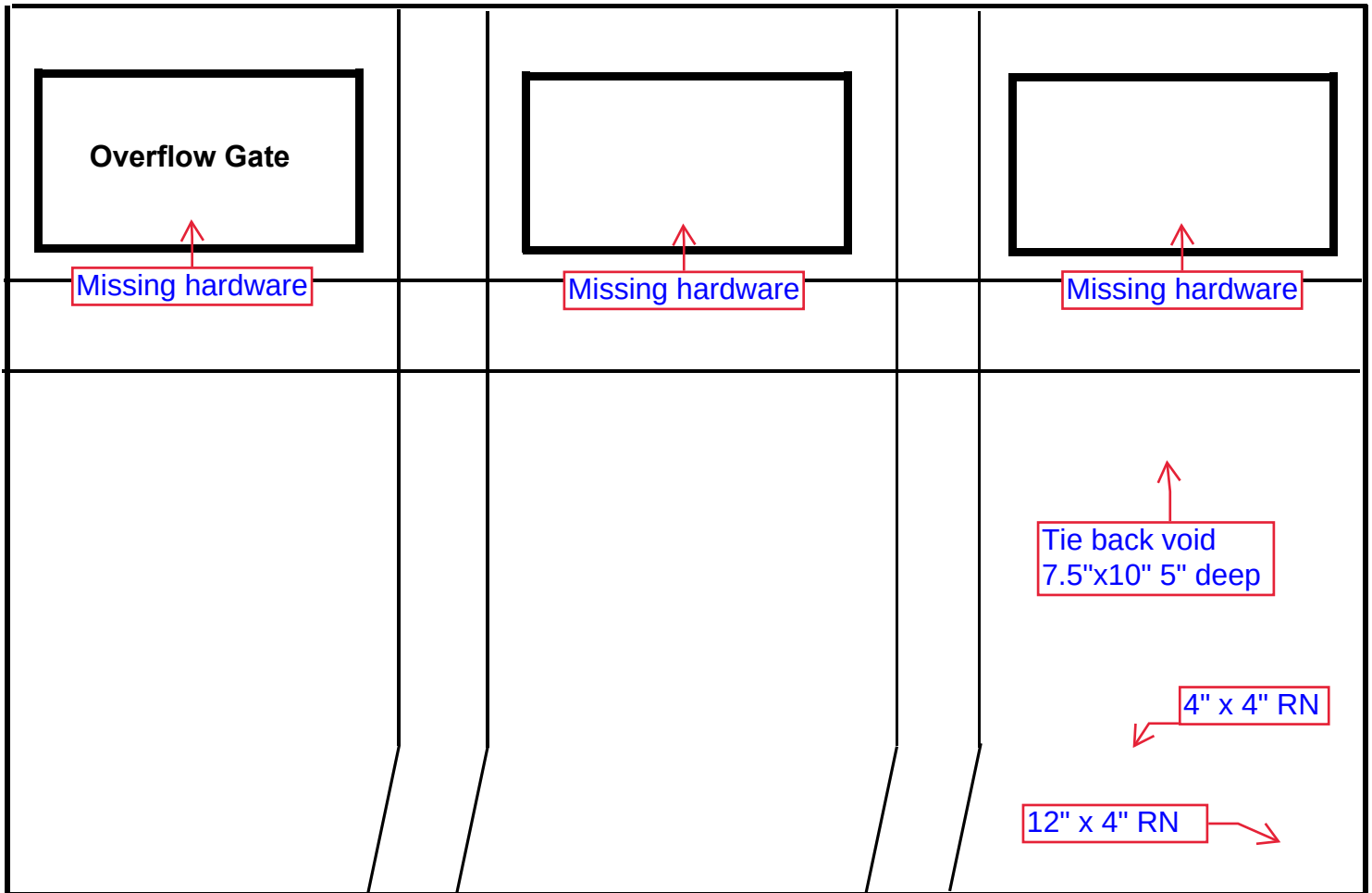


- Heavy marine growth
- Heavy corrosion
- Exposed aggregate on concrete
- Right gate - broken lifting cable and missing hardware (3 bolts)
- Middle gate - swing arm (middle and left) bolts missing, right severely corroded
- Left gate - swing arm (middle and right) bolts missing, left severely corroded; lift cable twisted

*Previously identified discrepancies may now be obstructed by hard marine growth

Bent 35

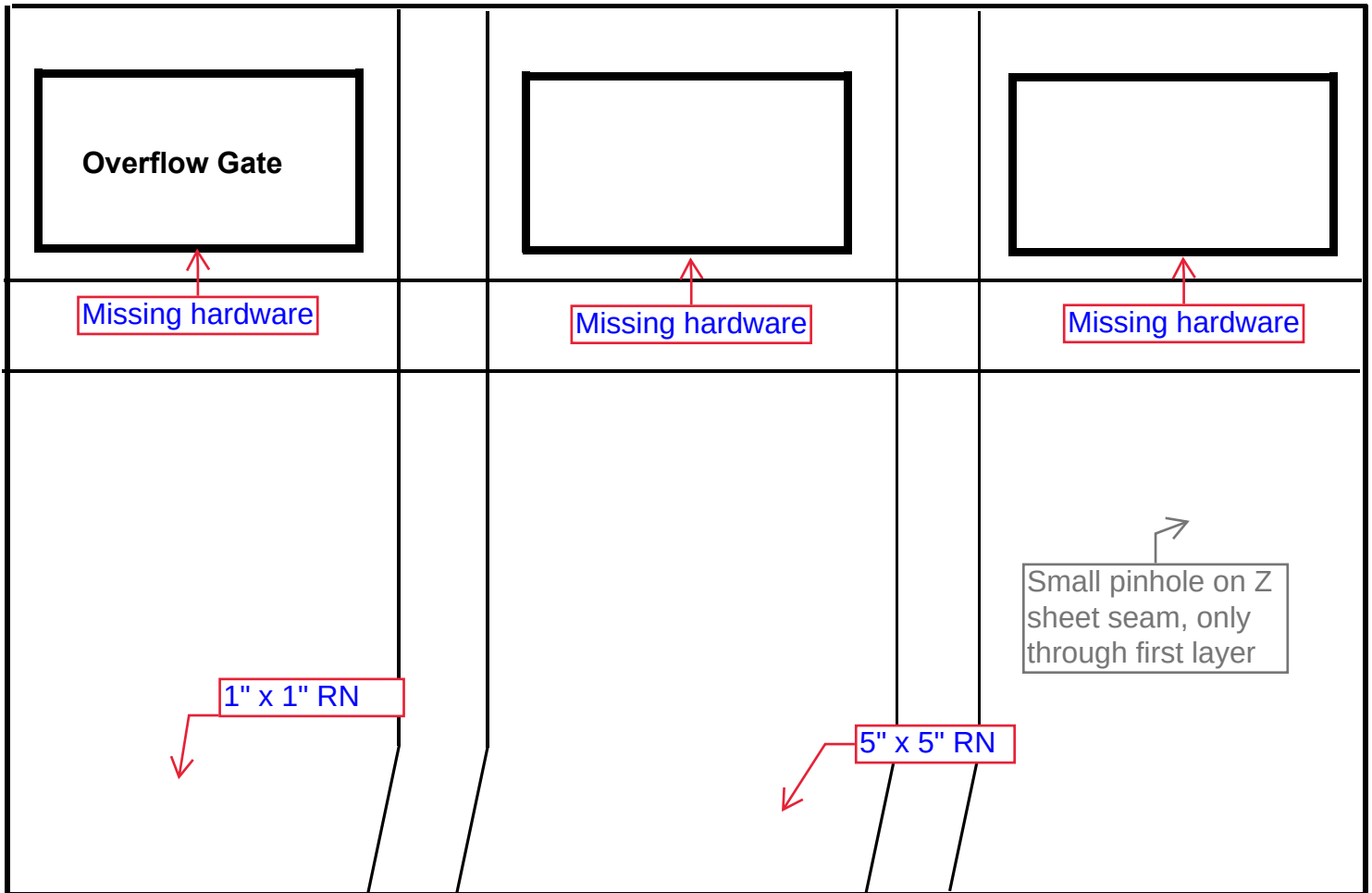
Bent 34



- Heavy marine growth
- Heavy corrosion
- Exposed aggregate on concrete
- Right gate - missing (left and middle) bolts for swing arm to gate; right severely corroded
- Middle gate - All (x3) attaching bolts missing
- Left gate - missing (left and missing) bolts for swing arm; right severely corroded
- Corrosion patches right gate (12"x4") (4"x4")

Bent 36

Bent 35

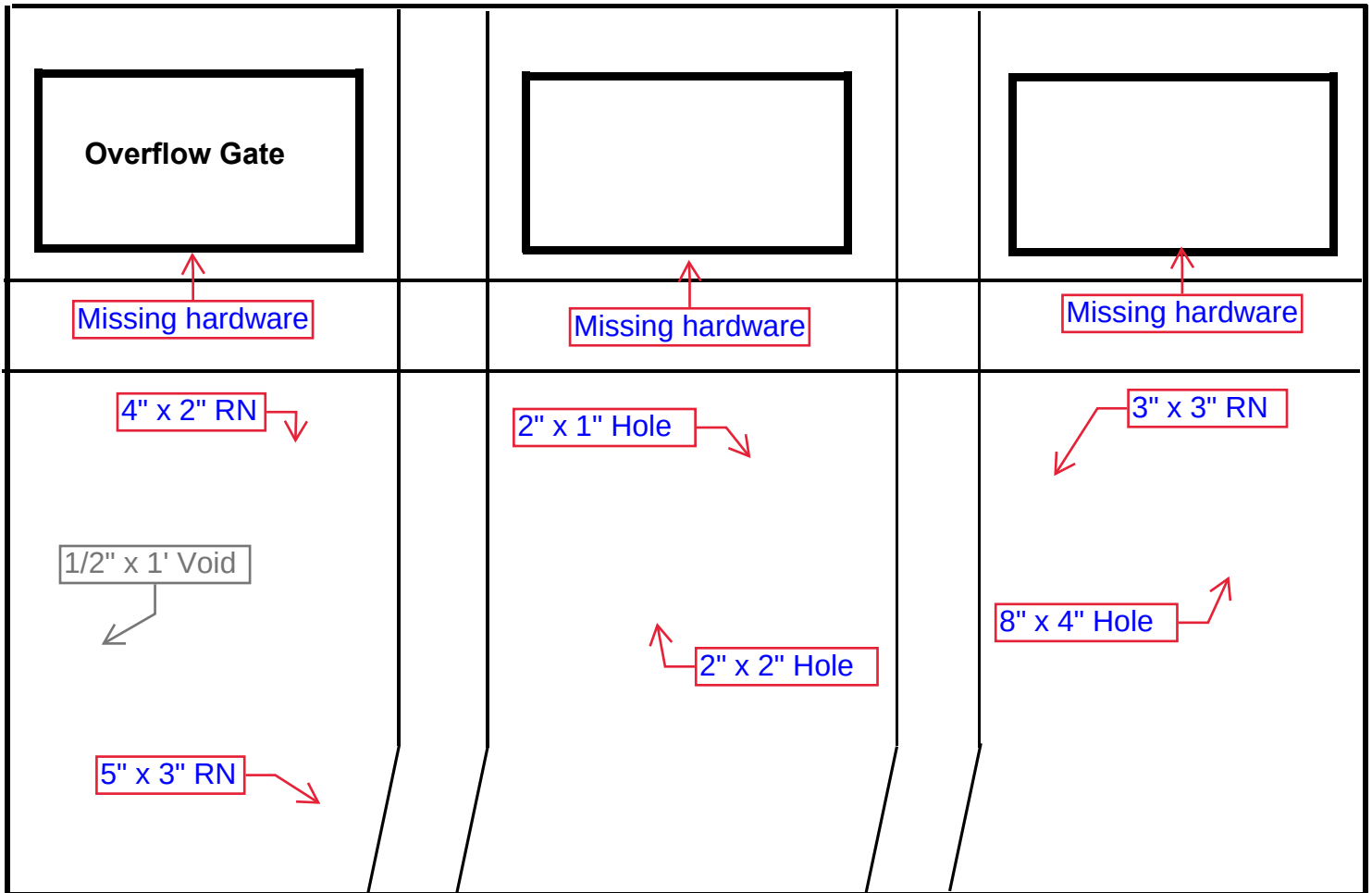


- Heavy marine growth
- Heavy corrosion
- Right gate - All (x3) attaching bolts missing
- Middle gate - Missing middle bolt; left and right heavily corroded
- Left gate - right swing arm missing bolt; left and right corroded
- Rust nodule on middle gate 5" off bottom
- Exposed aggregate on concrete

*Previously identified discrepancies may now be obstructed by hard marine growth

Bent 37

Bent 36

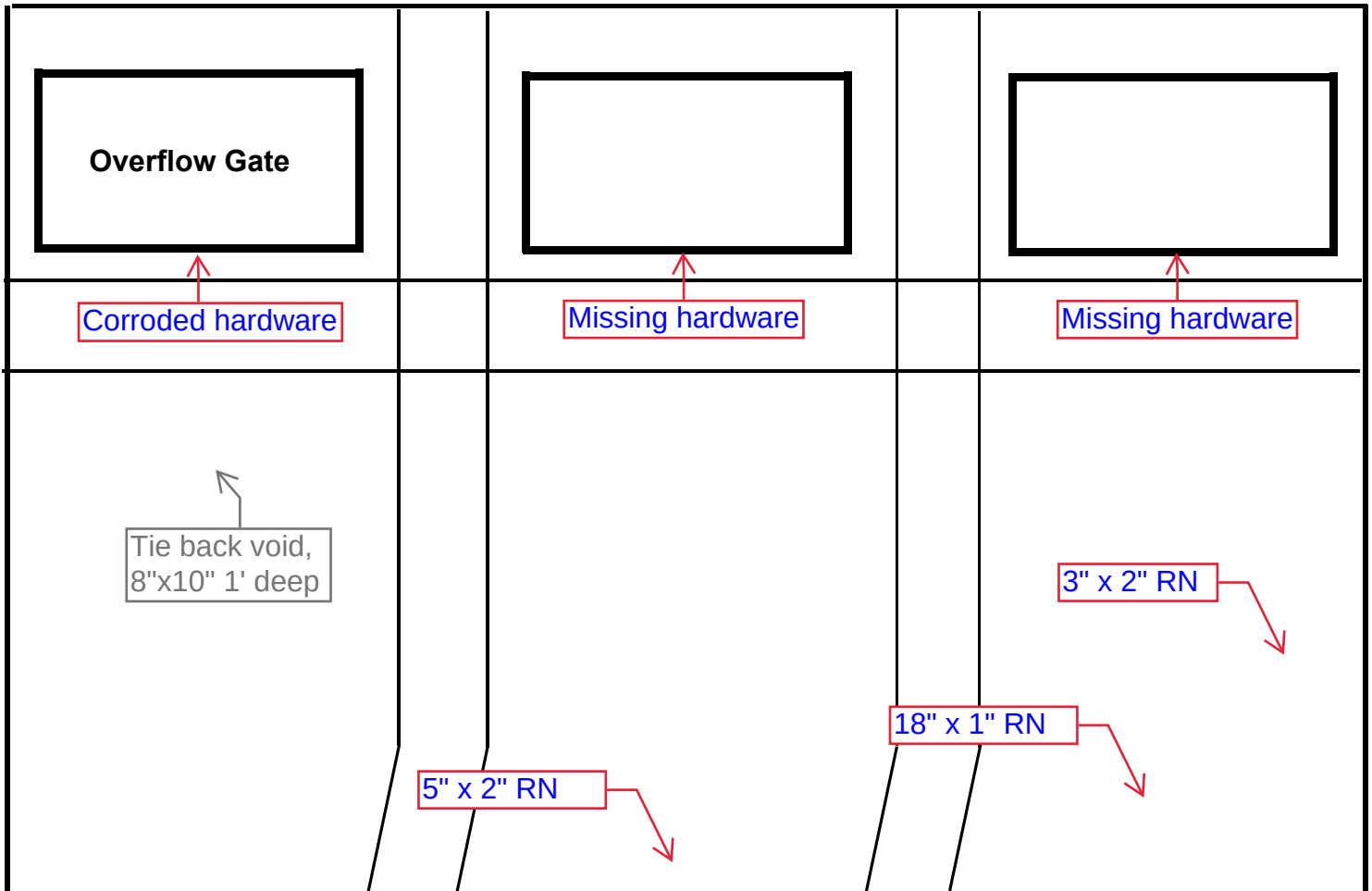


- Heavy marine growth
- Heavy corrosion
- Exposed aggregate on concrete
- Right gate - Middle and right swing arms missing hardware; left heavily corroded
- Middle gate - middle and right swing arm bolts missing; left heavily corroded
- Left gate - Middle swing arm bolt missing; left and right heavily corroded

*Previously identified discrepancies may now be obstructed by hard marine growth

Bent 39

Bent 38



- Heavy marine growth present throughout
- Heavy corrosion unlocalized throughout
- Exposed aggregate on concrete at waterline
- Rust nodules present
- Right gate - missing middle swing arm bolt
- Middle gate - missing bolts right and middle; left corroded and missing nut
- Left gate - Corroded hardware; cable improperly rigged
- Popout in left header

*Previously identified discrepancies may now be obstructed by hard marine growth

Bent 40

Bent 39

Overflow Gate					
Missing hardware		Corroded hardware		Missing hardware	

- Heavy marine growth
- Minor to moderate corrosion
- No undermining noted
- Exposed aggregate at the waterline
- Right gate - missing middle bolt, left and right heavily corroded
- Middle gate - heavily corroded hardware; cable rigged improperly
- Left gate - Right missing nut; corrosion on left and middle

Bent 41

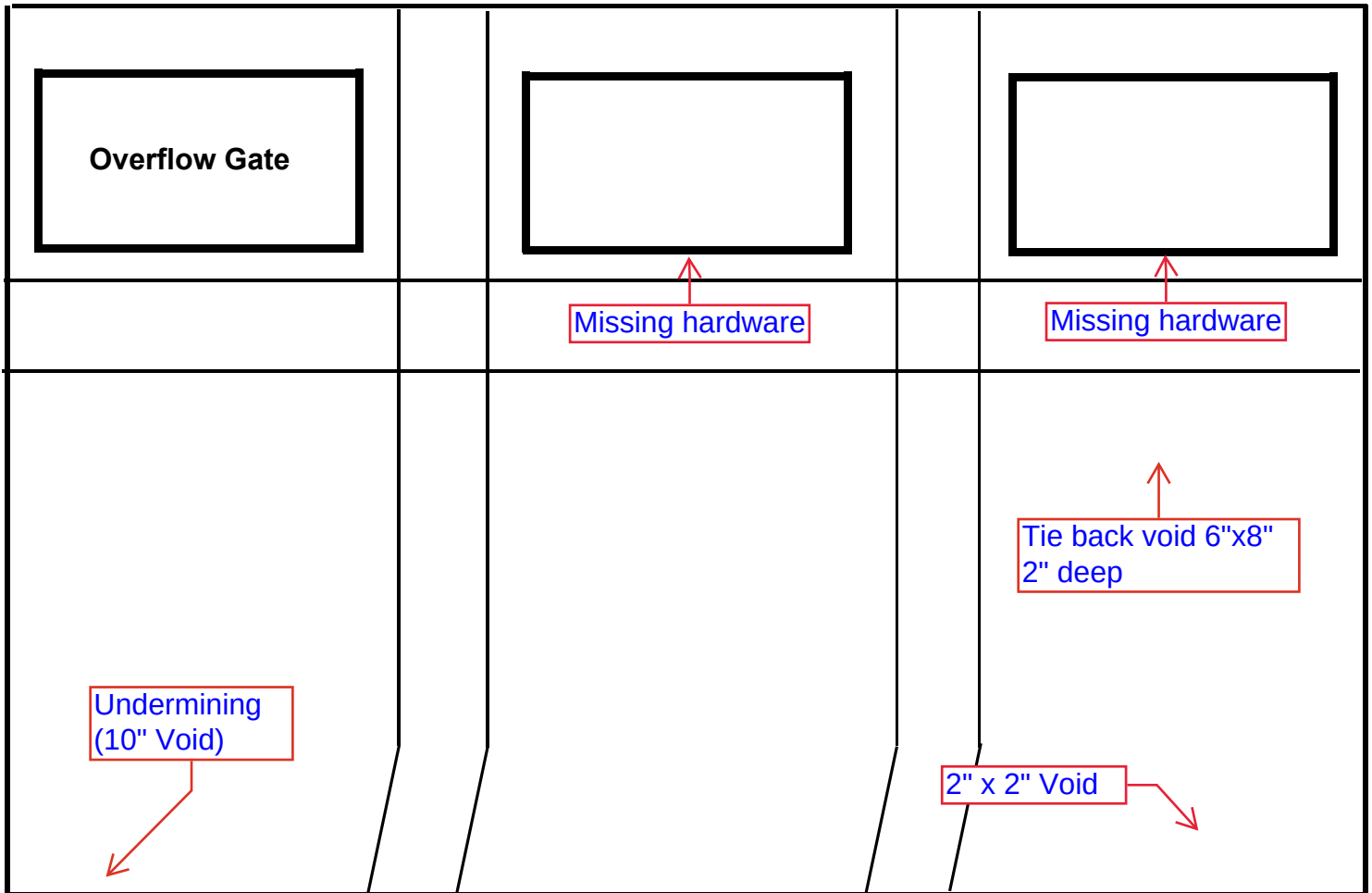
Bent 40

Overflow Gate				
Missing hardware ↑				Missing hardware ↑
				2" x 2" RN ↓

- Heavy marine growth
- Heavy corrosion
- Exposed aggregate on concrete
- No undermining noted
- Right gate - Wood panel loose/ damaged (no leak); missing hardware on left and middle; right corroded; cable improperly rigged
- Left gate - Middle bolt missing; left and right corroded

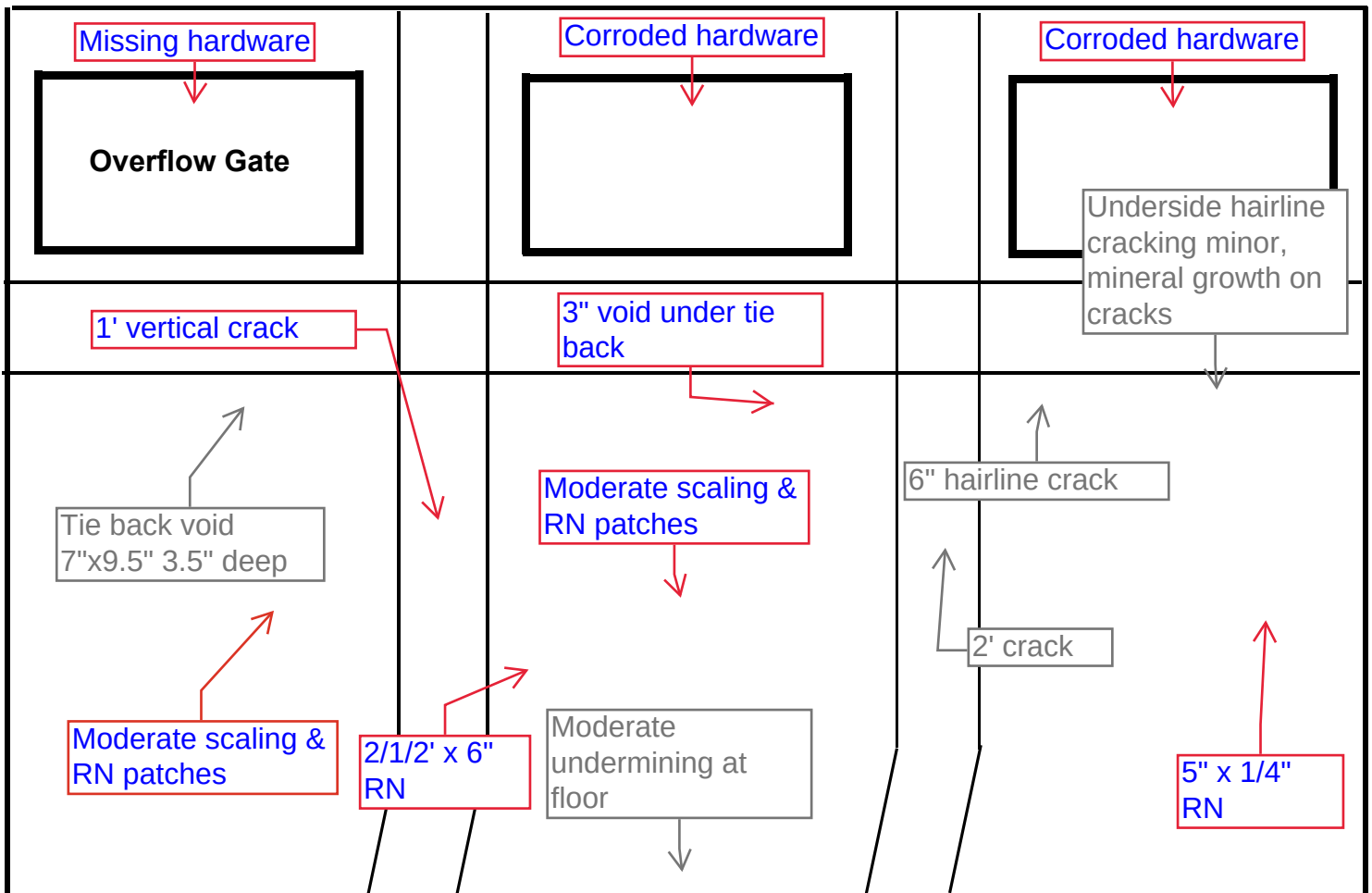
Bent 42

Bent 41



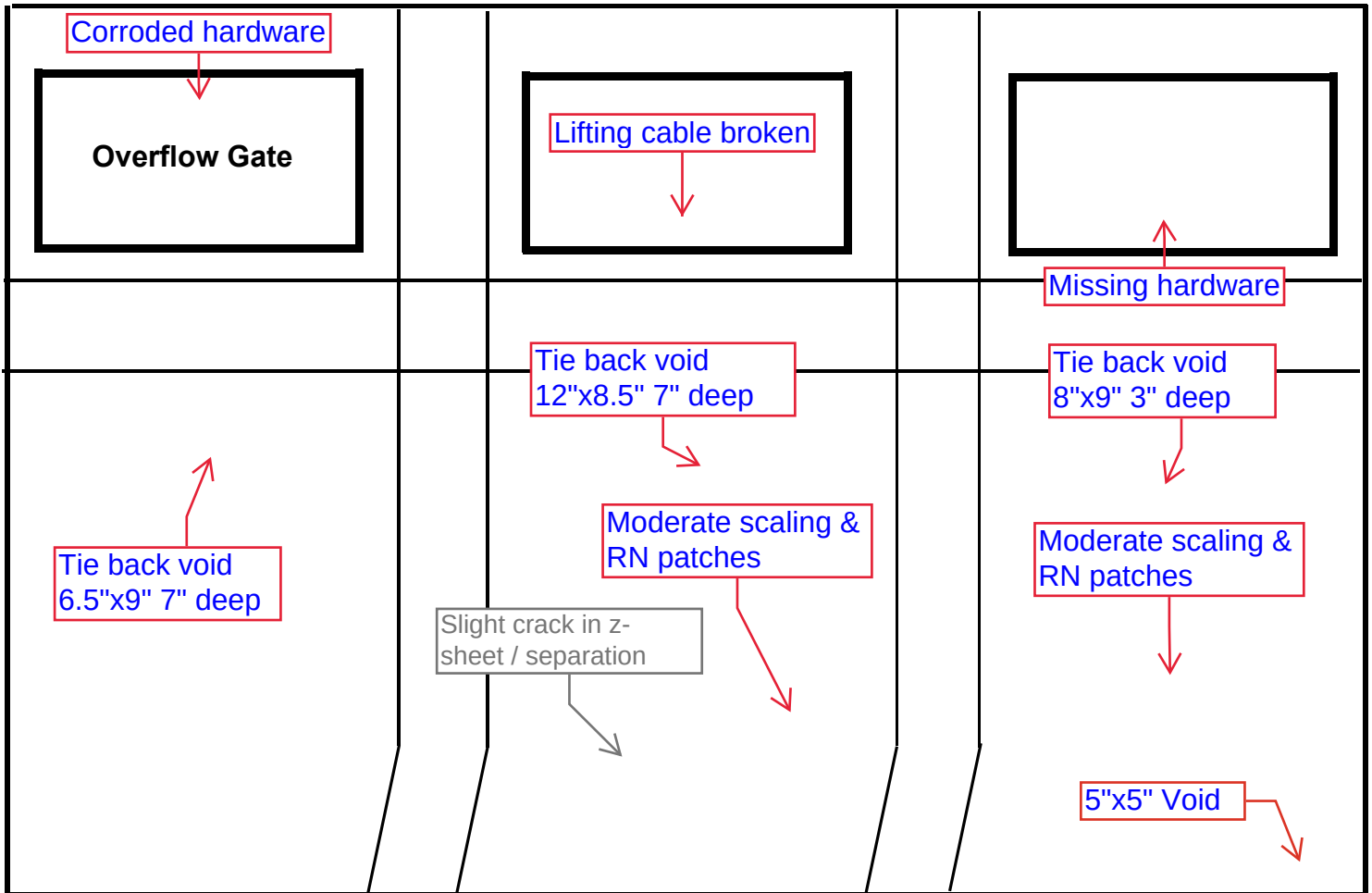
- Heavy marine growth present throughout
- Heavy corrosion unlocalized throughout
- 2x2" hole under right gate
- Exposed aggregate on concrete
- Void noted left of 2nd slant pile near tieback under header
- Right gate - missing middle bolts; left and right corroded
- Middle gate - missing right bolt
- Large undermining void left gate (10")

*Previously identified discrepancies may now be obstructed by hard marine growth

Bent 43Bent 42

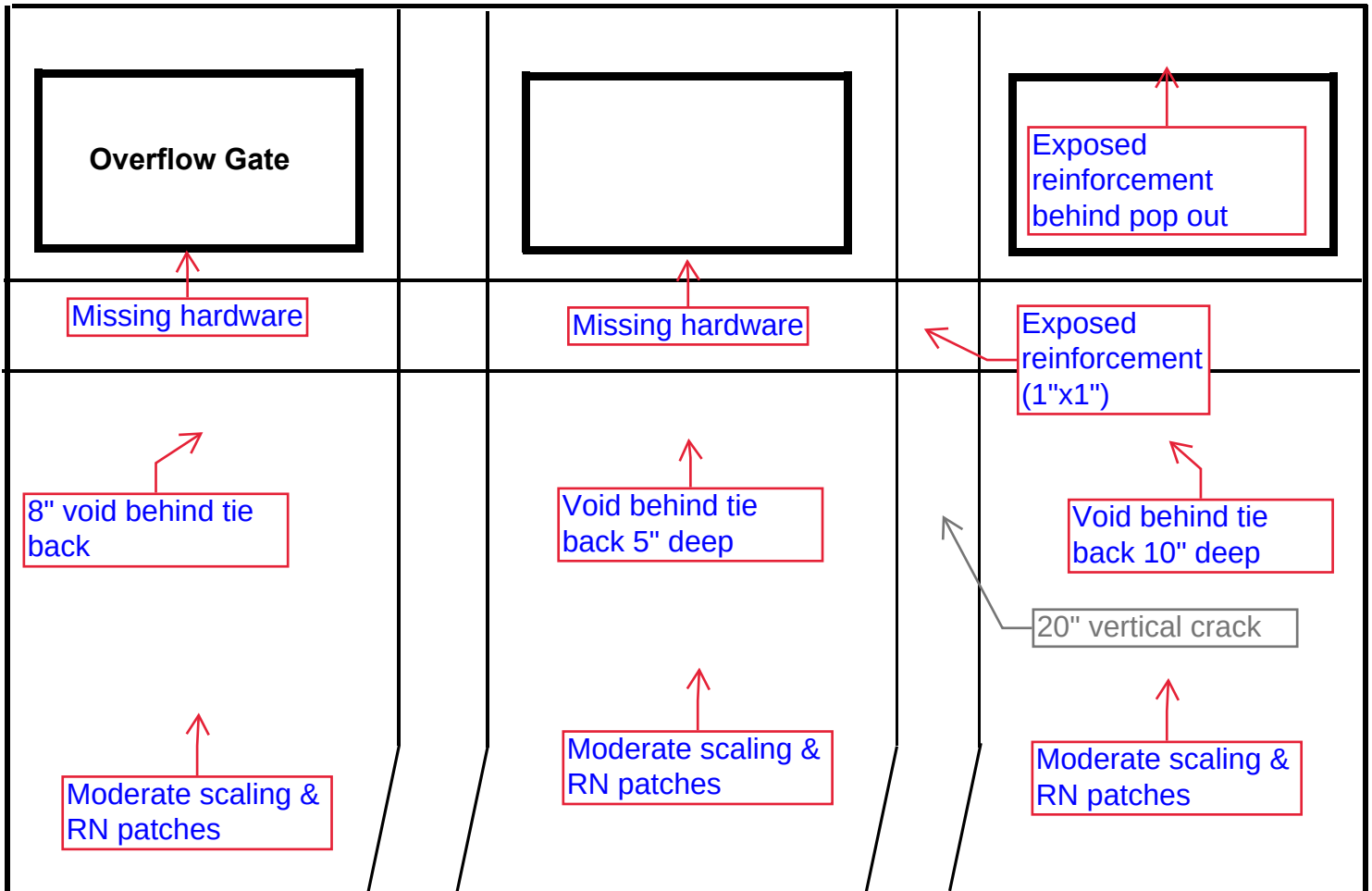
- No cracking under cap noted
- Heavy hard marine growth
- Most previous cracks not identified (covered by hard growth)
- Moderate rust noduling throughout underside
- Moderate scaling present throughout
- Moderate exposed aggregate
- Right gate - corroding middle hardware; bottom wood panel splitting
- Middle gate - corroded hardware; cable improperly rigged; splitting in wood panel
- Left gate - missing hardware on right arm; middle corroded; wood panel splitting
- Spalling on Bent 43 joint

*Previously identified discrepancies may now be obstructed by hard marine growth

Bent 45Bent 44

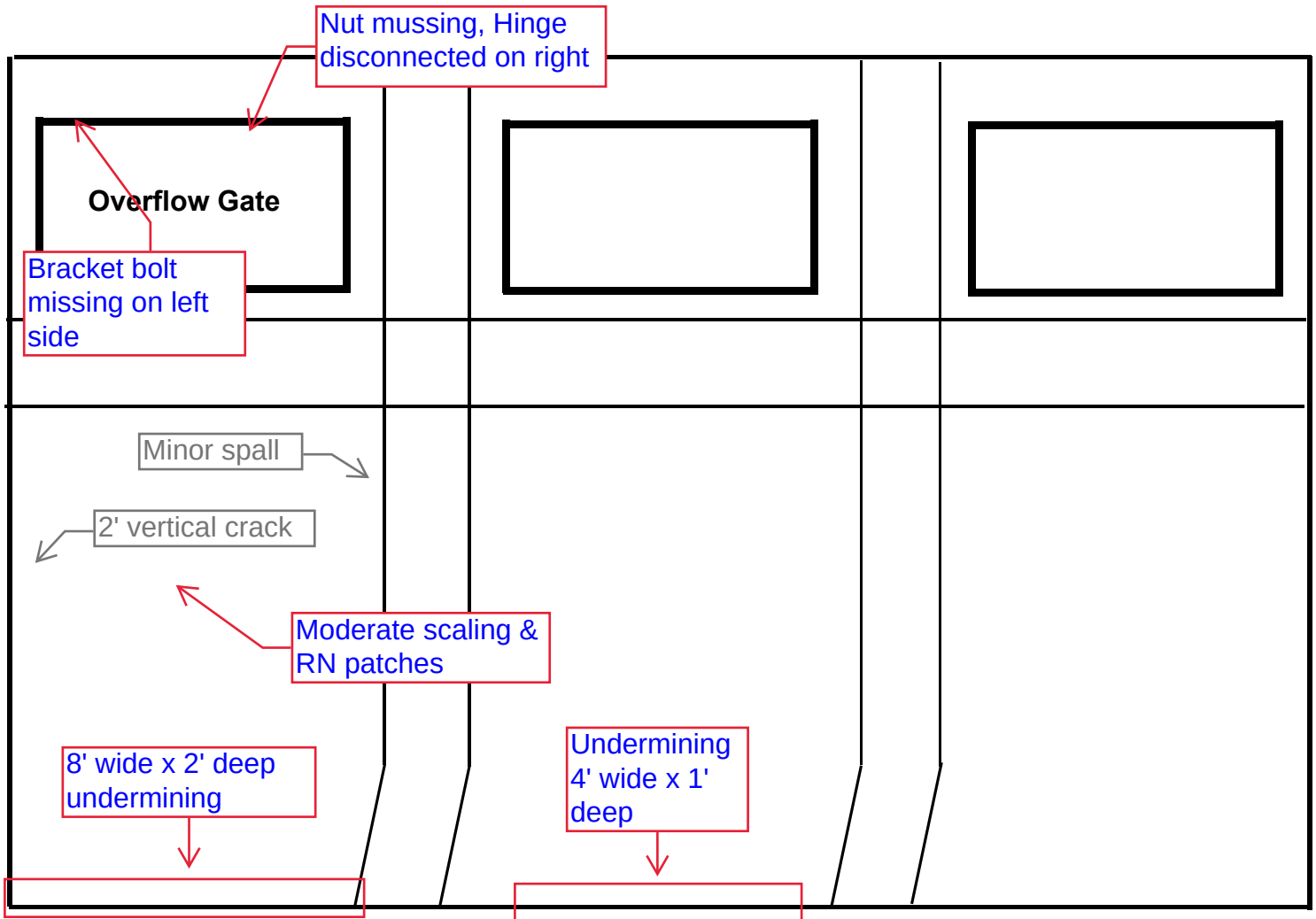
- Heavy marine growth
- Moderate corrosion
- Heavy exposed aggregate throughout
- Void under right gate (5"x5")
- Right gate - middle and right hardware missing; left corroded; gap in wood panel; cable improperly rigged
- Middle gate - middle hardware corroded; broken lifting cable
- Left gate - corroding hardware, cracking wooden panel

*Previously identified discrepancies may now be obstructed by hard marine growth

Bent 46Bent 45

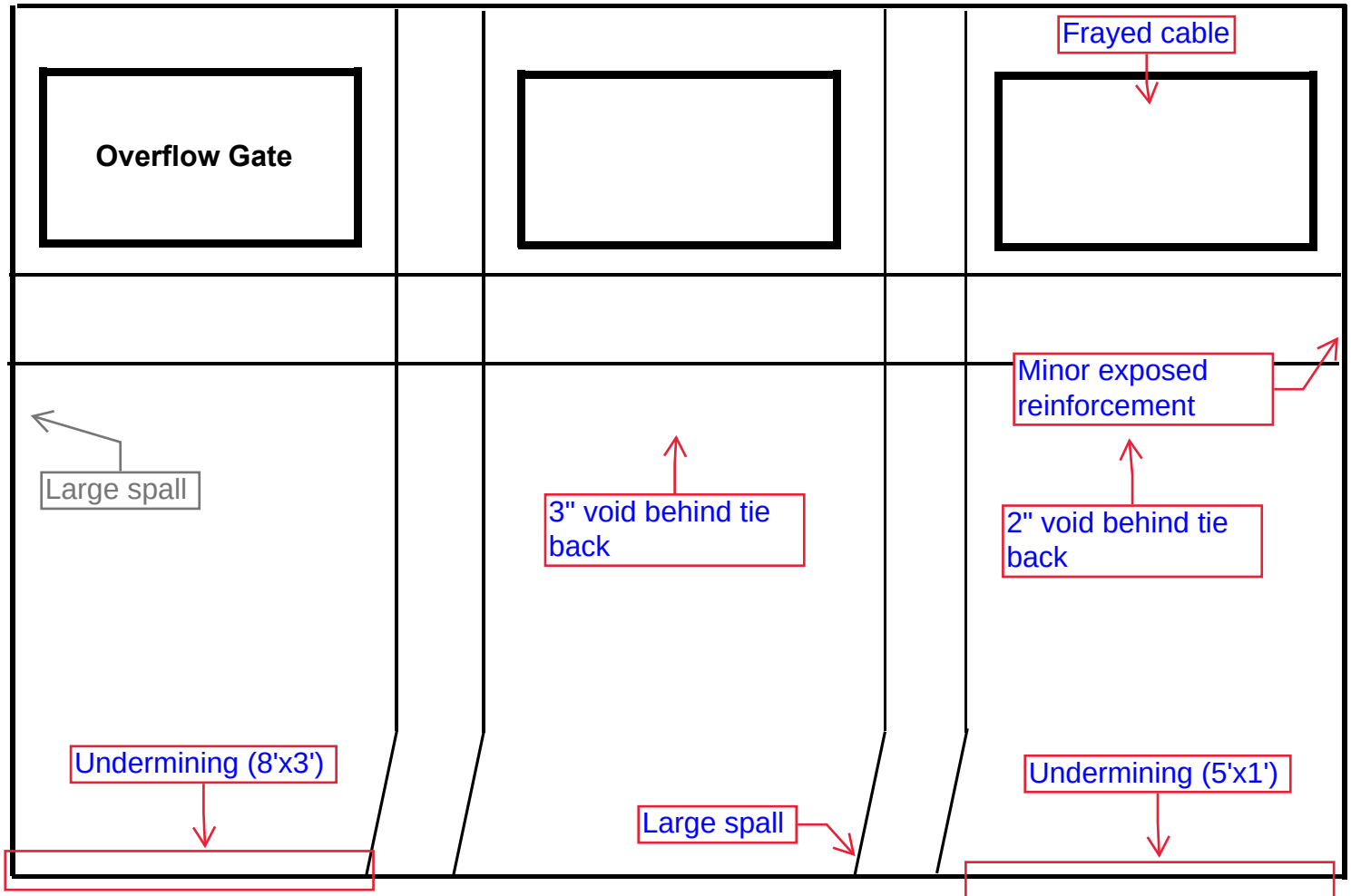
- No cracking under cap noted
- Heavy hard marine growth
- Moderate corrosion w/ scaling throughout entire section
- Minor to moderate exposed aggregate present
- Exposed reinforcement at right batter pile to header joint (1"x1")
- Right gate - debris stuck in gate
- Middle gate - middle missing hardware; left corroded; cable improperly rigged
- Left gate - middle missing; right and left corroded
- Spalling on left header

*Previously identified discrepancies may now be obstructed by hard marine growth

Bent 47Bent 46

- No cracking under cap noted
- Heavy hard marine growth
- Moderate scaling on Z sheet throughout section
- Moderate exposed aggregate noted
- No undermining found on right side
- Undermining middle gate (4' wide x 1' deep)
- Undermining left gate (8' wide x 2' deep)
- Left gate - missing hardware on right (nut) and left (bolt)

*Previously identified discrepancies may now be obstructed by hard marine growth

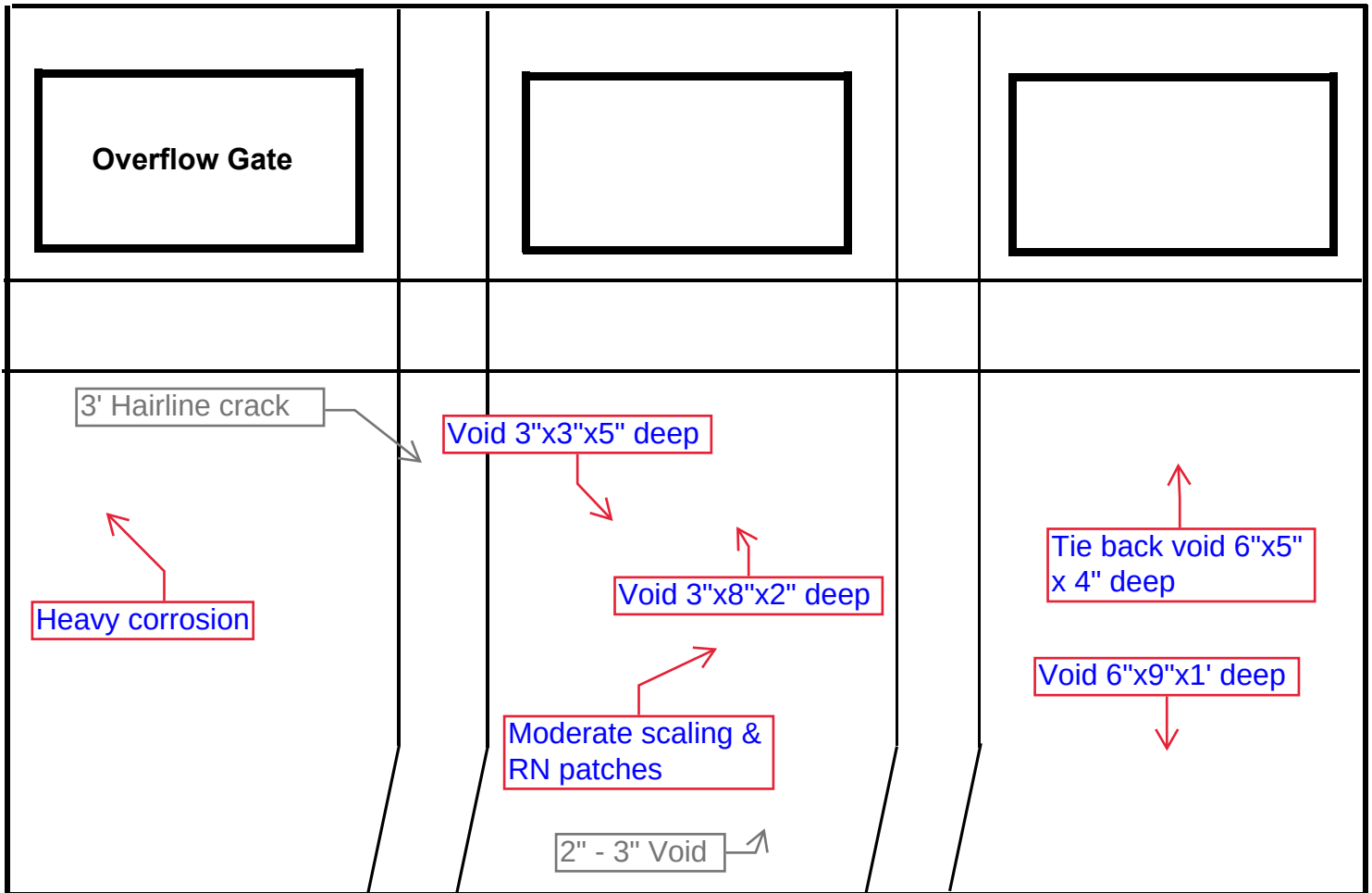
Bent 48Bent 47

- No cracking under cap noted
- Heavy hard marine growth
- Moderate exposed aggregate noted
- Right side batter pile has a spall 2"w x 3"h x 1/2"d towards bottom of pile
- Right gate - Frayed cable wire
- Undermining right gate (5' wide x 1' deep)
- Undermining on left side (6-8' long x 2-3' in depth)

*Previously identified discrepancies may now be obstructed by hard marine growth

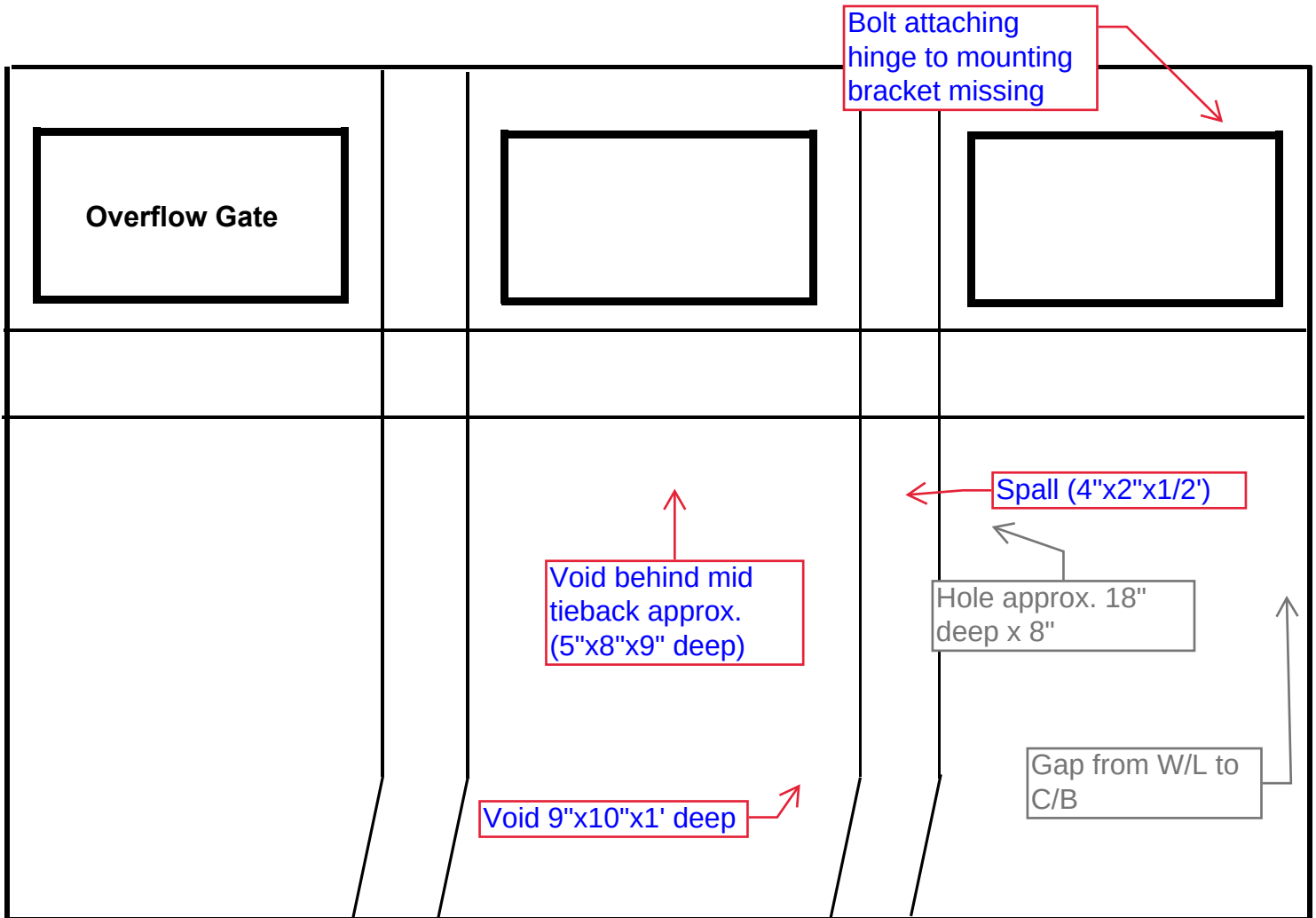
Bent 49

Bent 48



- No cracking under cap noted
- Heavy hard marine growth
- Moderate corrosion throughout section
- Heavy exposed aggregate at the waterline
- Void right bay (6"w x 9"h x 1' deep)
- Tieback void right (6"w x 5"h x 4" deep)
- Voids in middle bay
 - 3"w x 3"h x 5"deep
 - 3"w x 8"h x 2"deep
- No undermining noted

*Previously identified discrepancies may now be obstructed by hard marine growth

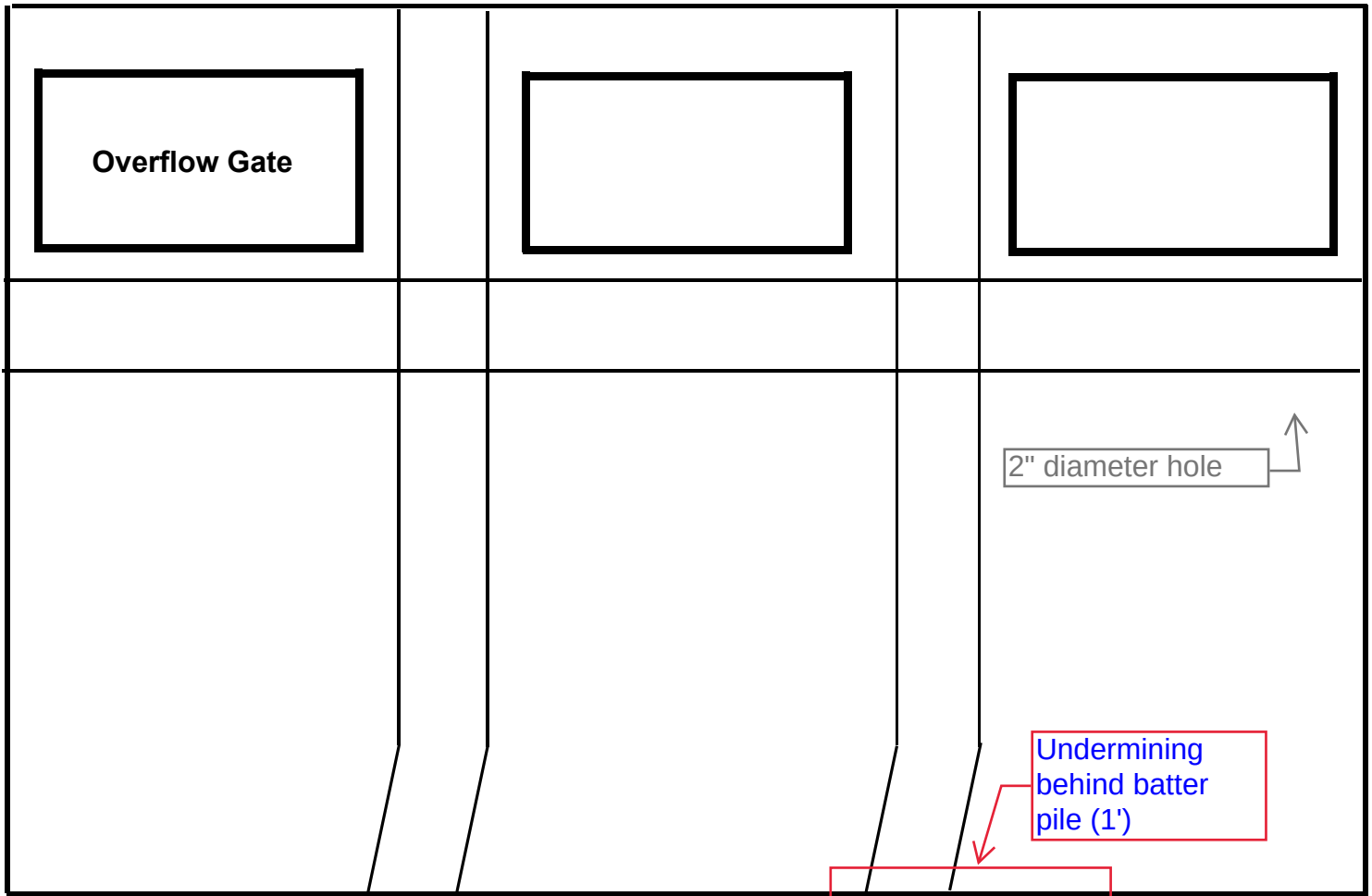
Bent 51Bent 50

- No cracking under cap noted
- Heavy hard marine growth
- Moderate scaling present on Z sheets
- Heavy exposed aggregate at the waterline
- No undermining noted
- Right gate - missing hardware
- Mid bay voids
 - Tieback void middle (5"w x 8"h x 9" deep)
 - 9"x10"x1' deep

*Previously identified discrepancies may now be obstructed by hard marine growth

Bent 52

Bent 51

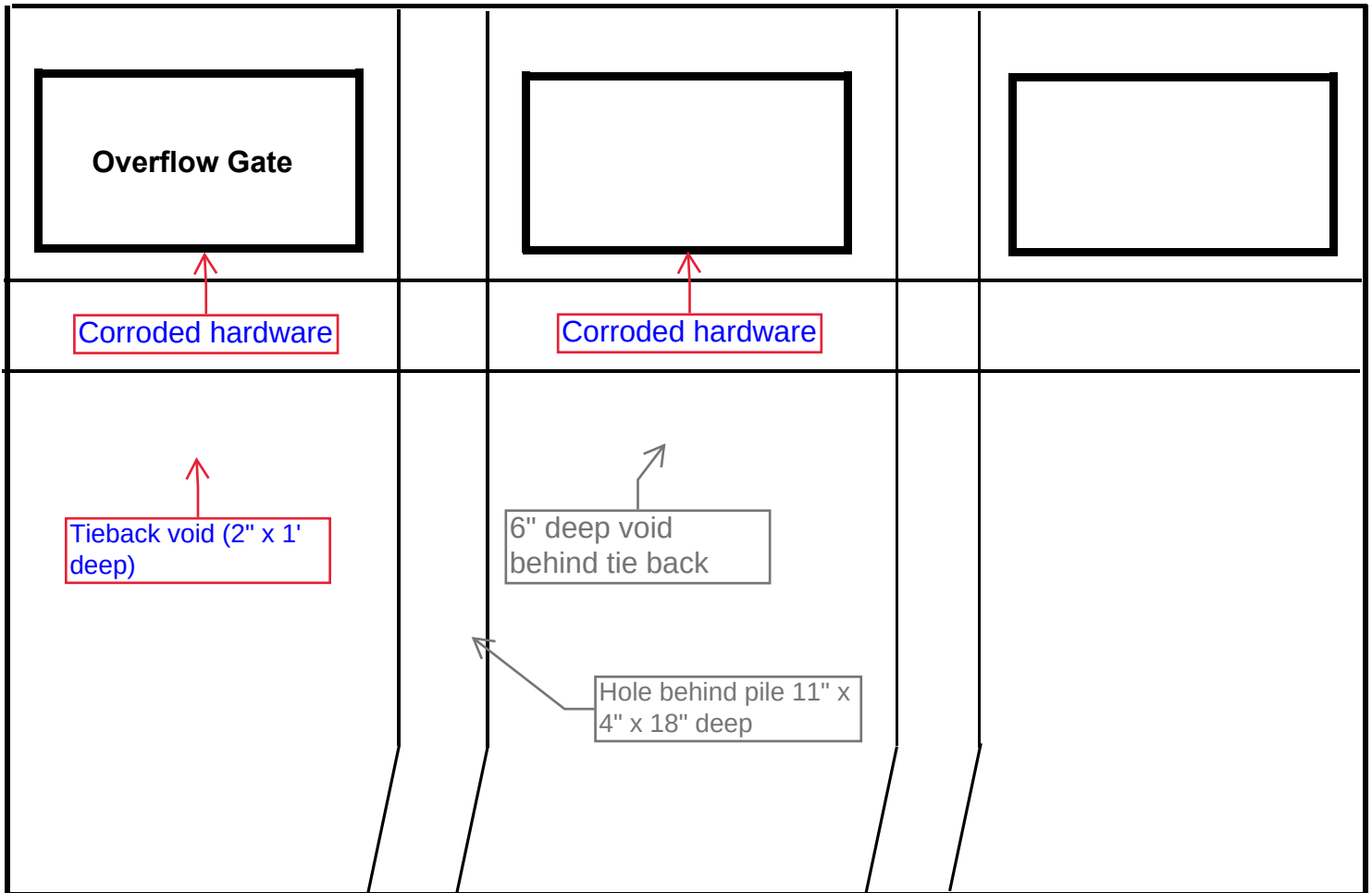


- Heavy hard marine growth
- Minor spalling present under cap
- Heavy exposed aggregate
- Minor to moderate corrosion
- Undermining right bay 1' deep localized behind vertical pile

*Previously identified discrepancies may now be obstructed by hard marine growth

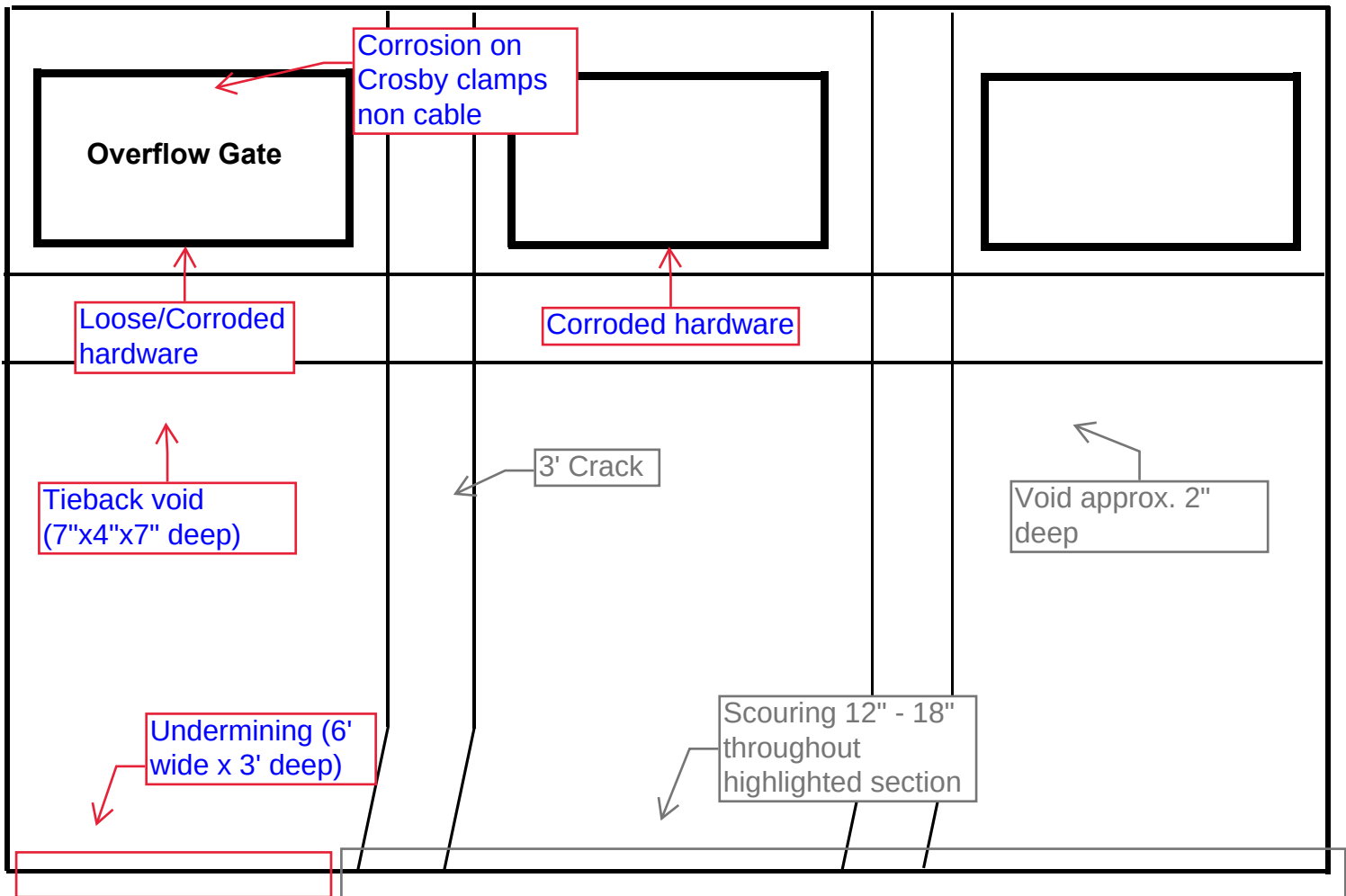
Bent 53

Bent 52



- No cracking under cap noted
- Moderate exposed aggregate
- No undermining noted during inspection
- Heavy exposed aggregate at the waterline
- Left and middle gate - heavy corrosion on cable shackle
- Left tieback void (2"w x 1' deep)

*Previously identified discrepancies may now be obstructed by hard marine growth

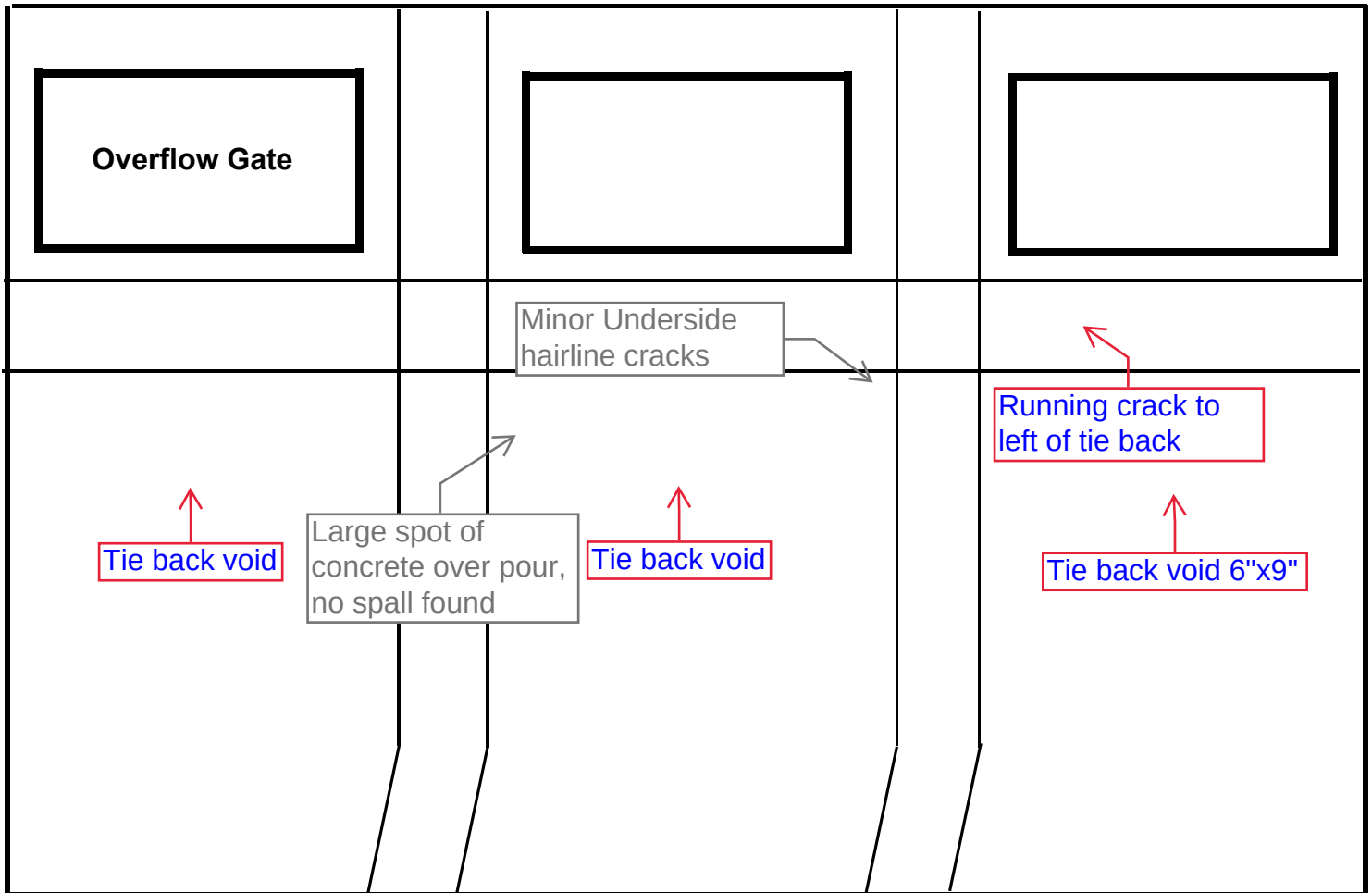
Bent 54Bent 53

- No cracking under cap noted
- Heavy hard marine growth
- No undermining noted on right and middle
- Undermining under left gate (6' wide x 3' deep)
- Moderate exposed aggregate throughout
- Middle gate - corroding hardware on cable connection to gate
- Left gate - anchor bolt loose; corroding hardware; vegetation in gate
- Void left tieback (7"w x 4"h x 7" deep)

*Previously identified discrepancies may now be obstructed by hard marine growth

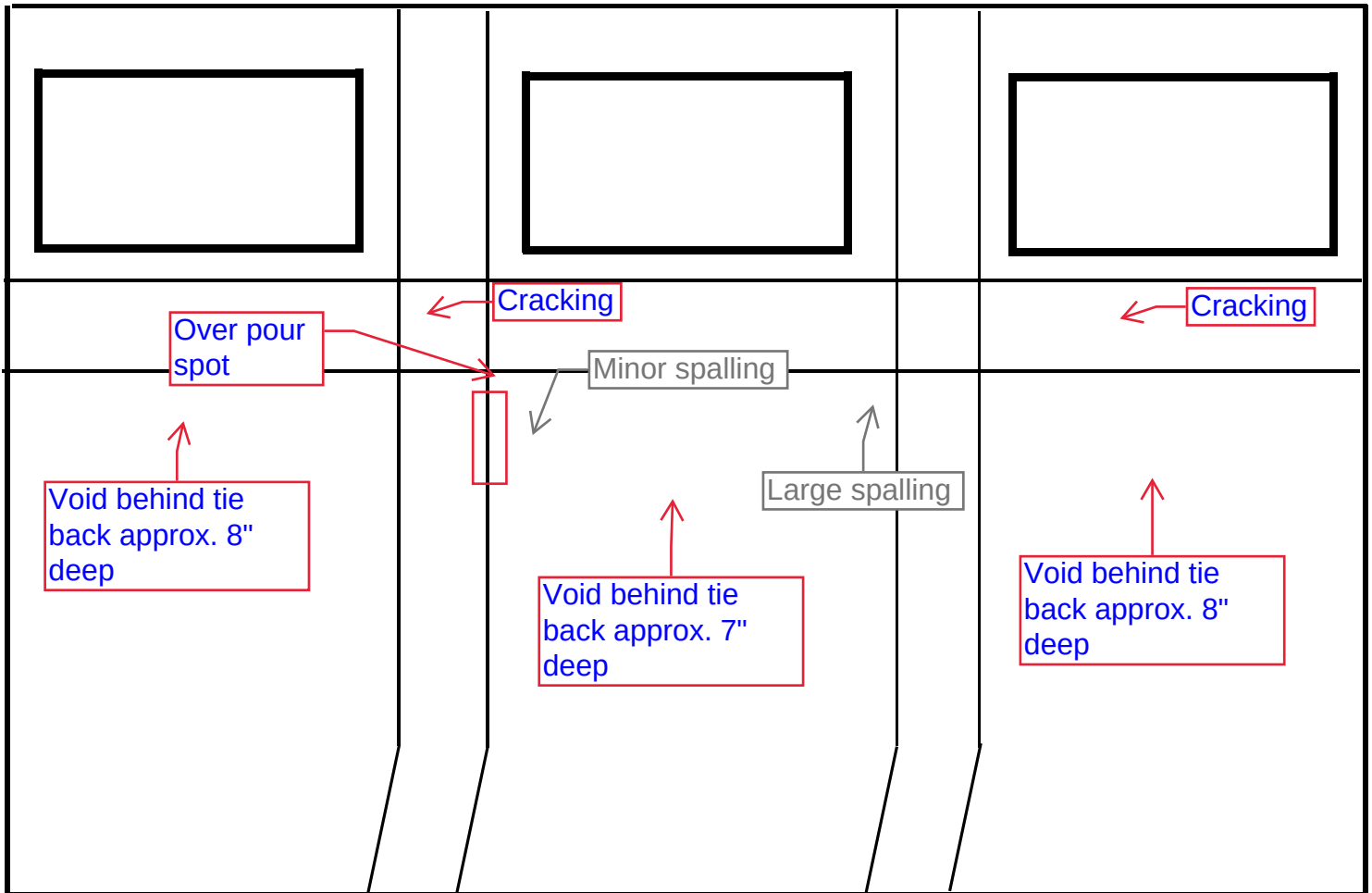
Bent 55

Bent 54



- Heavy hard marine
- Heavy exposed aggregate and Moderate/ Heavy bugholing
- Heavy corrosion and marine growth around all three tie backs
- Hairline crack on right gate header to the left of tie back (approx. 3')
- Large accumulation of marine growth behind right batter pile
- Weld seams and hardware on tiebacks in Good condition
- Fishing line debris wrapped on left tieback
- Gate cables in Good condition

*Previously identified discrepancies may now be obstructed by hard marine growth

Bent West AbutmentBent 56

- Heavy hard marine growth
- Heavy exposed aggregate and Moderate/ Heavy bugholing
- Large void around all three tie backs; heavy corrosion and marine growth
- Previous identified exposed reinforcement not found
- Tieback weld seams and hardware in Good condition
- Moderate hairline cracking present throughout header
- Loose eye bolt on left gate
- Gate lifting cables in good condition

*Previously identified discrepancies may now be obstructed by hard marine growth

Freshwater Side Notes

Overview

Inspection of the freshwater side of the Deer Point Dam for Bay County was conducted on March 16, 2025 and began at the North end of the pipeline and progressed southward. Documented findings are referenced in relation to the existing pipeline standoff support brackets, numbered sequentially from 135 to 1 in the direction of travel. Most noted anomalies consist of minor concrete discrepancies observed intermittently along the seawall cap, primarily affecting the lower extremities without specific localization.

The freshwater side of the seawall and pipeline support system is in satisfactory condition with no immediate structural concerns. Minor concrete surface wear, isolated corrosion, and biological fouling were the primary findings—consistent with environmental exposure and previous inspections. Continued monitoring and routine maintenance, particularly regarding corrosion control and marine growth management, are recommended to preserve long-term system integrity.

Key Findings

Seawall Cap & Concrete Components

- General Condition: Minor deterioration noted
- Surface Defects: Intermittent areas of exposed aggregate and scattered shallow spalls along the cap, particularly near the lower extremities. These defects appear unlocalized and do not indicate widespread material degradation.
- Reinforcement Exposure: No exposed rebar was noted in any section of the cap.
- Undermining: Diver reports no visible signs of undermining along the wall footing or base.

North End Observations

- A PVC pipe and rebar segment protrudes approximately 1.5 feet from the concrete. Does not appear to be a structural component but may present a hazard
- Minor corrosion was noted on the cathodic protection wire, particularly closer to the north end.

South End Observations

- A moderate level of corrosion was observed on the wiring closer to the South end (possibly a grounding wire)
- Debris accumulation (sticks, twigs, and organic material) was heavier in this area. Float with accumulated debris caught next to wood paneling on south end.
- Vegetation density increased close to South end

Z-Sheet Wall System

- General Condition: Rated in Good overall condition.
- Marine Growth: Heavy soft marine growth was present across all submerged surfaces.
- Localized Corrosion: Minor instances of rust nodules and corrosion found at seams and connection hardware, as well as scattered localized patches throughout z-sheet. These did not appear to compromise integrity.
- Epoxy Repairs: Multiple previously installed epoxy patch repairs were documented, starting near the midsection and increasing in frequency toward the south end.
 - Patches were observed at varying elevations (4–8 ft off bottom) on flat panels, ridges, and seams.
 - All patches remain intact, with no corrosion detected through the repair material, although light corrosion was seen near some patched zones.
 - Some patches exhibited hard marine growth accumulation.

Bottom Conditions

- Sediment Composition: The bottom consisted of soft silt and muddy substrate, interspersed with aquatic vegetation.
- Debris: Scattered organic debris (twigs, sticks, and branches) was encountered throughout, with higher concentrations toward the southern section.

Pictures

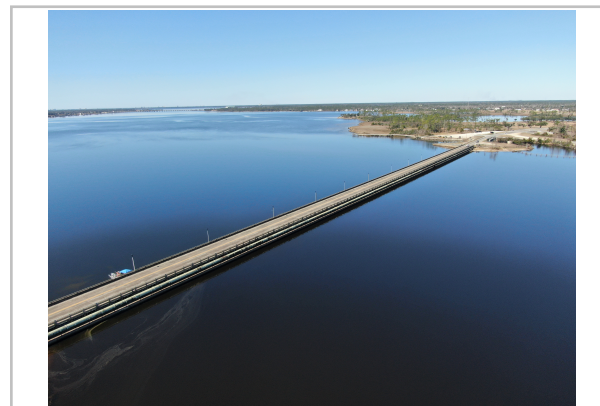
Divers Working Off Boat



Roadway Over-all



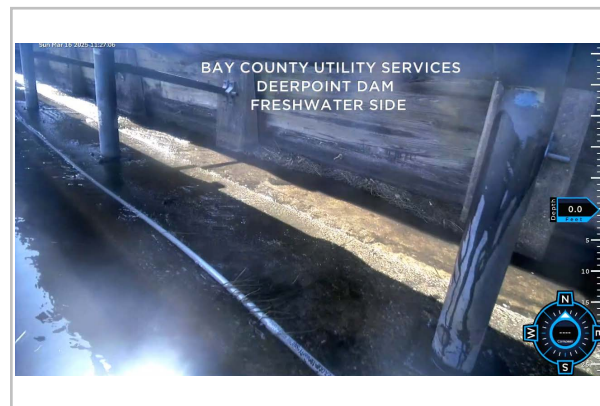
Dam Over-all



Freshwater Side Inspection



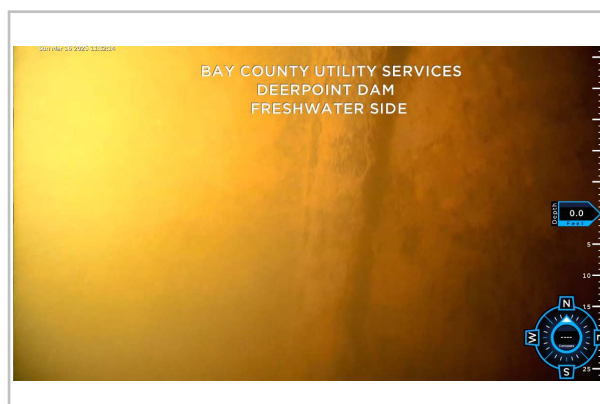
Freshwater Exposed Aggregate



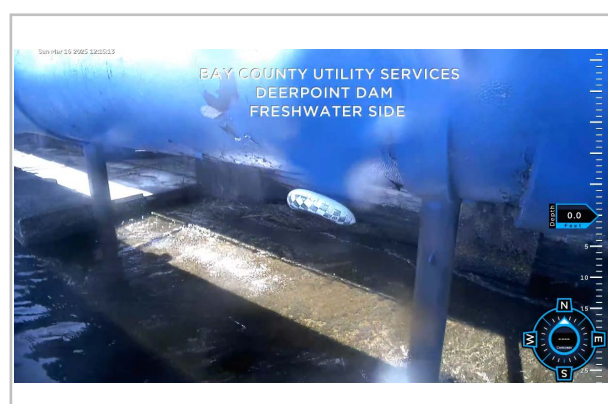
Freshwater Pipe Coating Failure



Freshwater Z-Sheet Corrosion on Seams

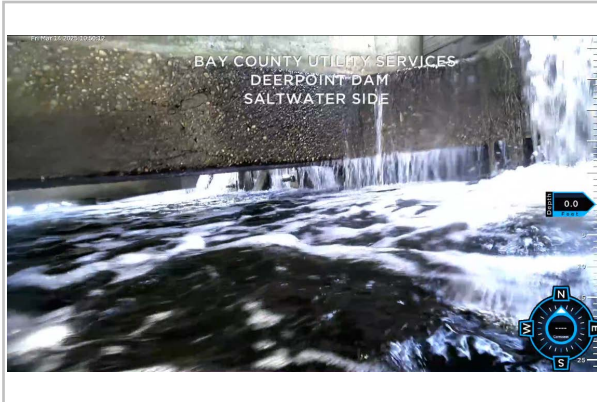


Freshwater Stuck Float and Debris



Saltwater Side Pictures

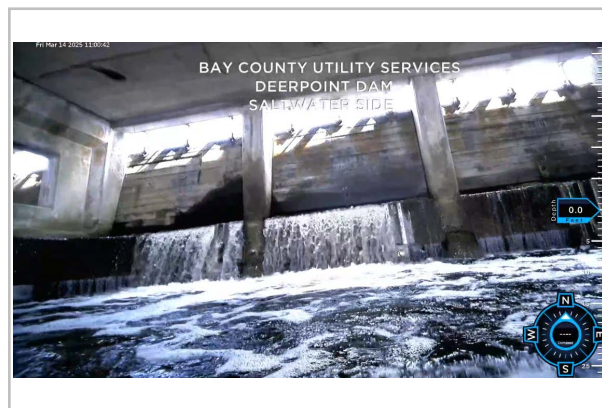
Hairline Cracking & Exposed Aggregate



Tieback to Z-Sheet Marine Growth



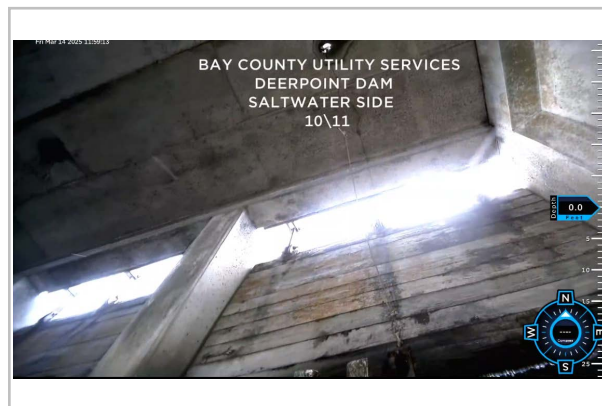
Bent 6 & 5 Overall



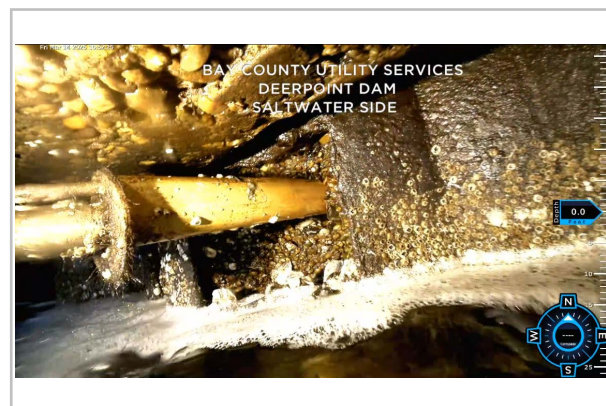
Pile Cracking (Bent 7 to 6)



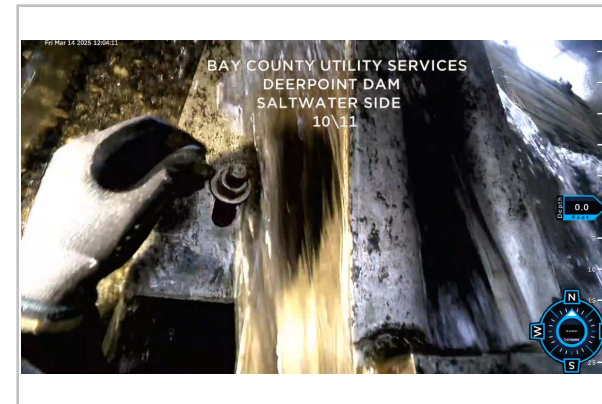
Cable Roof Penetration



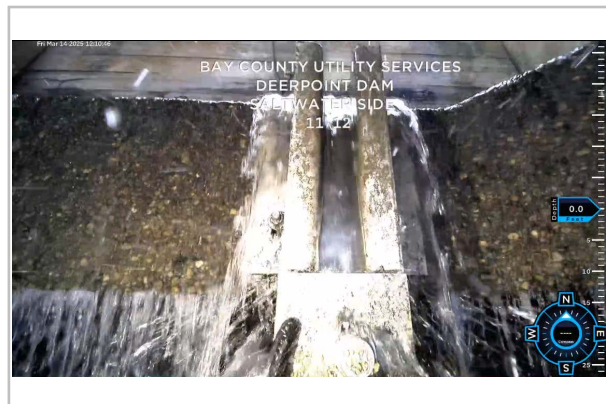
Tieback to Z-Sheet Void (5/6)



Checking Tieback Hardware



Tieback

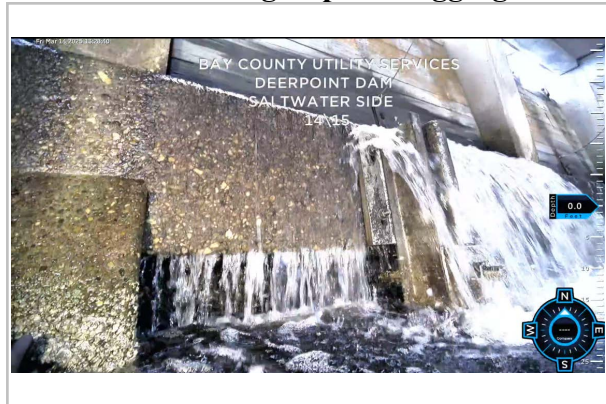


Saltwater Side Pictures

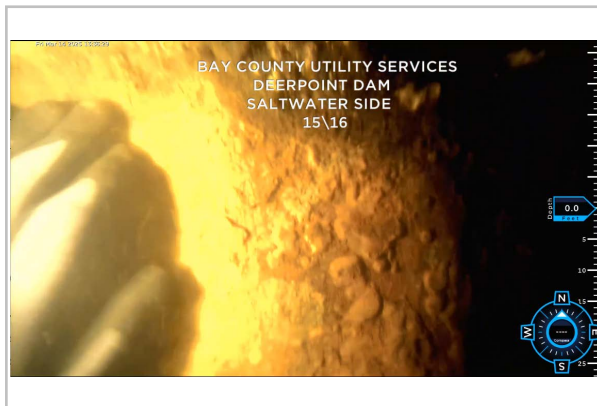
Heavy Marine Growth



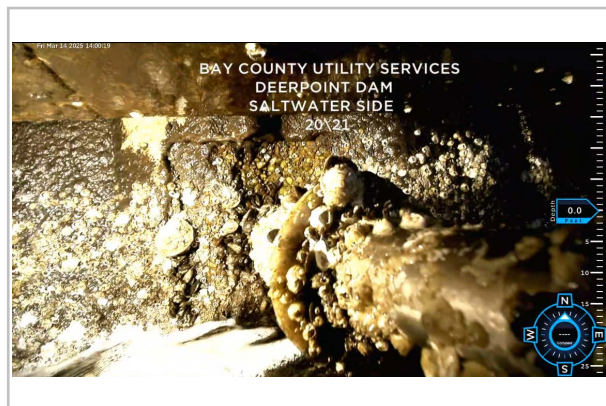
Header and Piling Exposed Aggregate



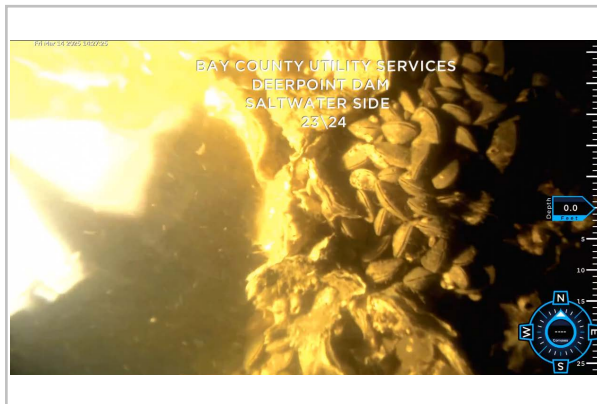
Corrosion on Z-Sheet Patch



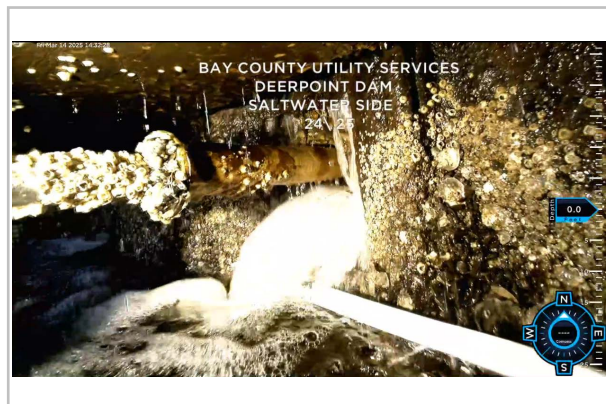
Heavy Marine Growth Tieback to Z-Sheet



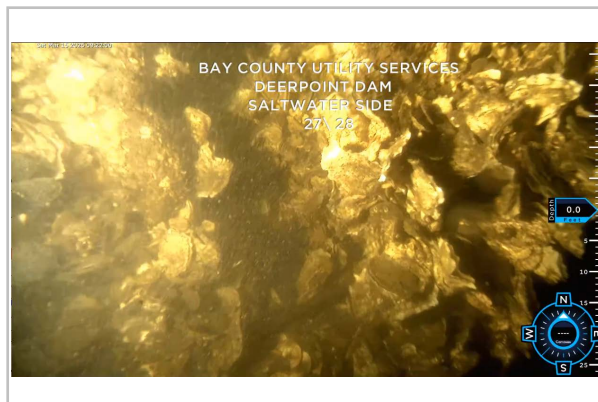
Heavy Marine Growth Z-Sheet



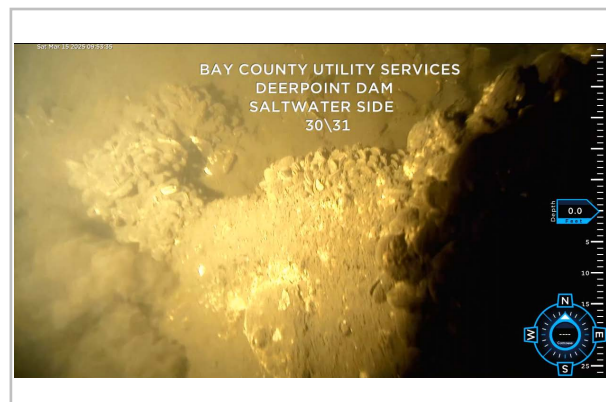
Rushing Water Thru Tieback Void



Void in Z-Sheet

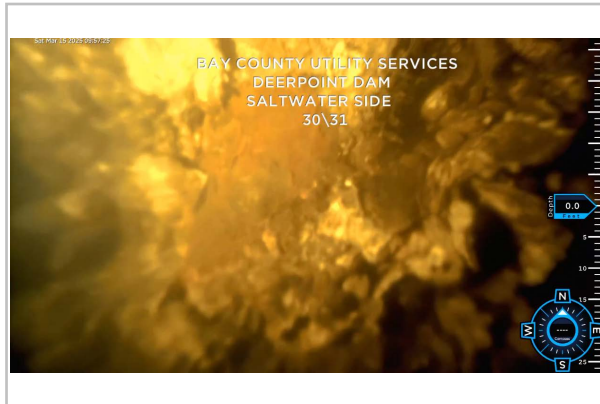


Bottom of Batter Piling

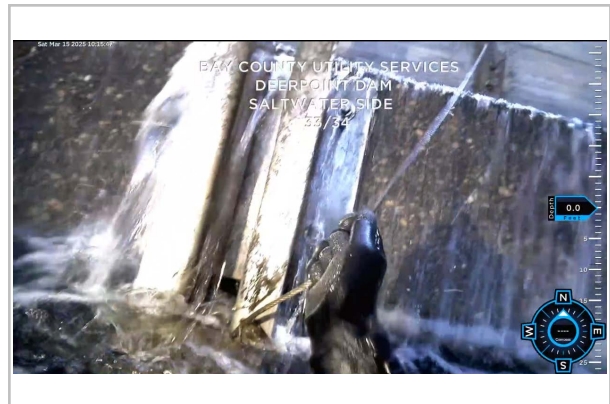


Saltwater Side Pictures

Corrosion on Z-Sheet



Broken Lifting Cable



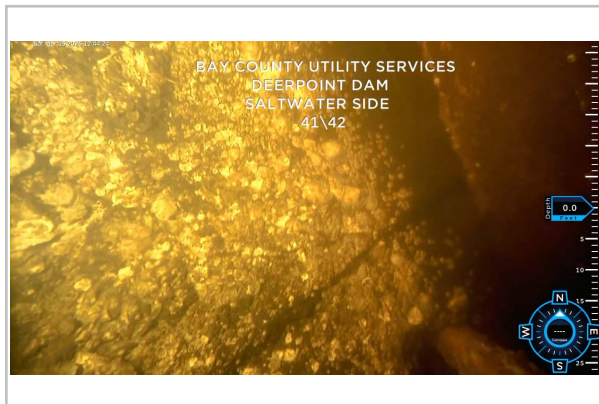
Popout in Header



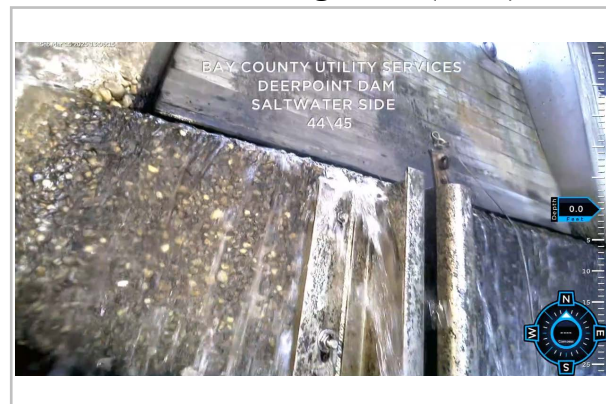
Missing Hardware on Gate Swing Arms



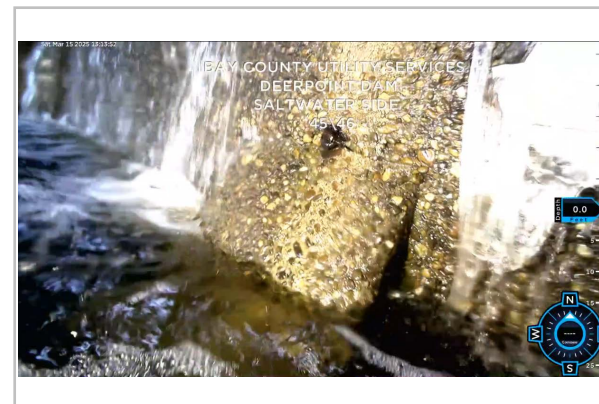
Undermining (41/42)



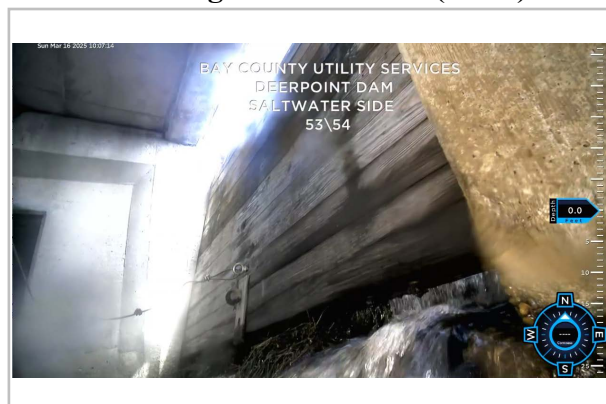
Broken Lifting Cable (44/45)



Exposed Reinforcement (45/46)



Vegetation in Gate (53/54)



Freshwater Pictures

Heavy Overburden (1/2)



Secure Hardware (1/2)



Hairline Crack (1/2)



Corrosion & Tieback Void (54/55)



Large Accumulation of Marine Growth (54/55)



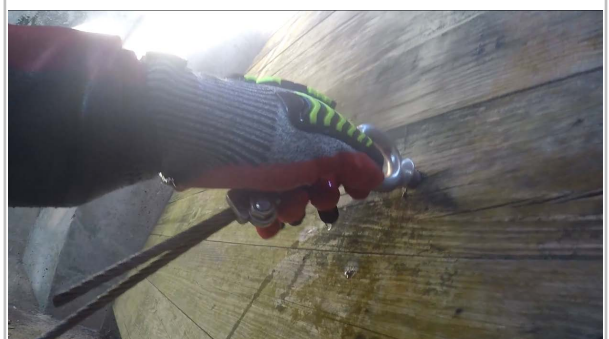
Cracking on Header (56/ Abutment)



Corrosion & Tieback Void (56/ Abutment)



Loose Eye Bolt (56 Abutment)





In Depth Inc.
1473 Old Haw Creek Rd.
Bunnell, FL 32110
(386) 202-2771

Inspection Report

Client: **Bay County**

Asset ID: **Deer Point Dam Draw-down Structure / Fish Containment Fence**





In Depth Inc.
1473 Old Haw Creek Rd.
Bunnell, FL 32110
(386) 202-2771

Inspection Summary

Between January 13 and 16, 2025, In Depth Inc. performed the annual underwater inspection and routine maintenance services for the Deer Point Dam Drawdown Structure and its associated fish containment fence. A six-person surface-supplied commercial dive team was deployed for this operation, utilizing a live-feed underwater video recording system to document all inspection findings.

The inspection began with an internal assessment of the drawdown structure's sluiceways, consisting of concrete box culverts. Divers observed minor to moderate cracking along multiple surfaces, with several areas showing exposed reinforcing steel and heavy aggregate exposure—indicative of long-term wear and potential structural degradation. Upstream and downstream sluice gates were also inspected, revealing gasket damage and misalignment issues that resulted in varying levels of leakage, ranging from minor seepage to heavy flow.

As part of the maintenance scope, divers lubricated all flapper gate hinges on the seawater side of the drawdown structure using Waterproof Green Grease Heavy Duty Synthetic Polymer EP Grease (NLGI #2). This preventative step was taken to ensure reliable gate movement and reduce mechanical wear over time.

The team proceeded to inspect the fish containment fence system located on the freshwater side of the dam. Divers identified a significant bottom gap approximately 1 foot high by 6 feet wide near Piling #22. Additionally, multiple anchoring pins—particularly those forward of Pilings #7, #11, and #12—were found to be completely unsecured and in need of re-installation. A majority of the remaining pins were not fully seated, potentially compromising the integrity of the fence system. All aquatic growth and vegetative buildup on the containment fence were removed using manual hand tools and high-pressure water blasting equipment to restore clear flow and proper visibility.

All findings, conditions, and areas requiring corrective action have been documented in the attached inspection media. Please refer to the dive video files listed below for detailed visual records:

- Fish Containment Fence - Drawdown - Deer Point - Bay County, FL 2025
- Fish Containment Fence - Freshwater - Deer Point - Bay County, FL 2025
- Fish Containment Fence - Saltwater- Deer Point - Bay County, FL 2025

Repairs were performed including the following:

- Four new anodes installed on each flapper gate
- All areas of cracking and exposed reinforcement on pile cap performed
- Corrosion, coating failure and minor undermining on sheet pile repaired
- Gate hardware replacement (where possible)
- Sluice gate closure adjustments
- Existing fish fence pin-piles re-anchored and secured to bottom profile as needed (completed 3/14/25)

See following repair report:

Bay County Deer Point Dam Summary Report 2025

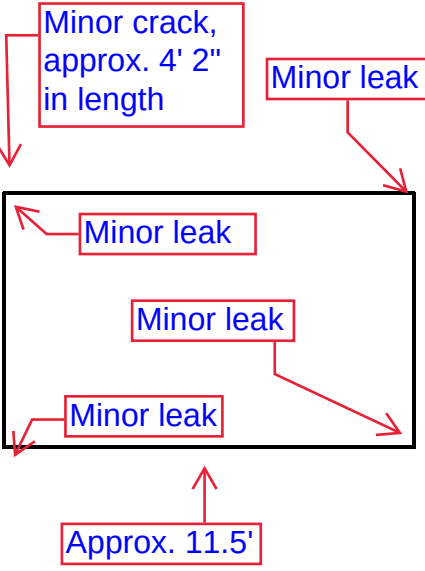
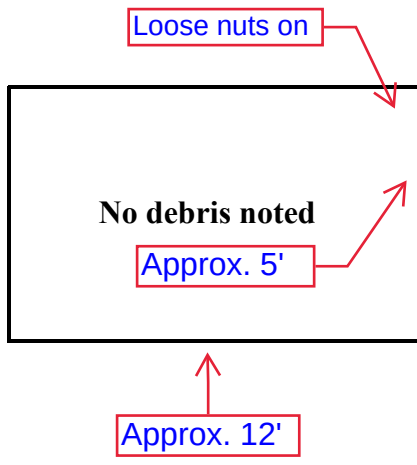
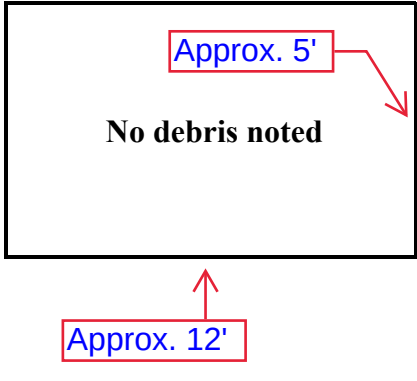
Best regards,

A handwritten signature in blue ink, appearing to read 'Zach', is written over a horizontal line.

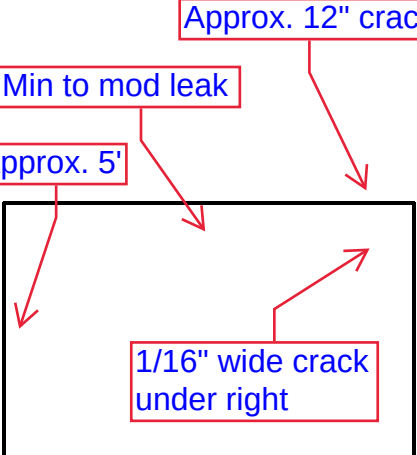
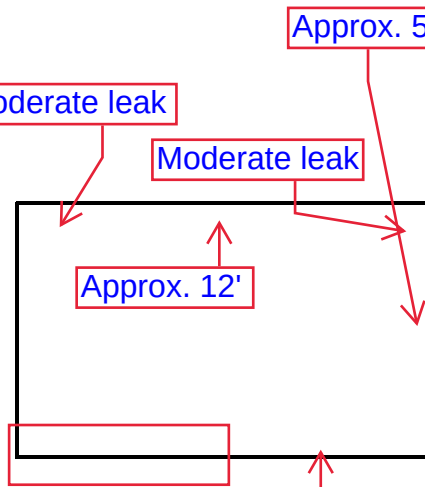
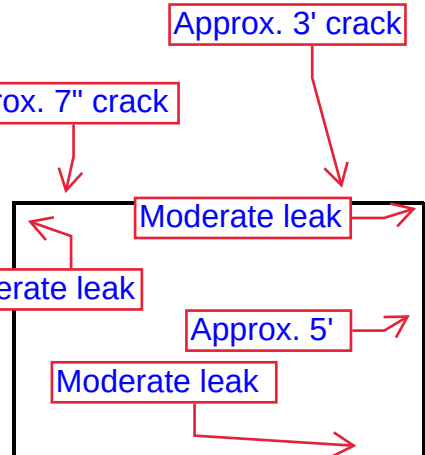
Zach Rogers, President



Flapper Gates & Sluice-ways

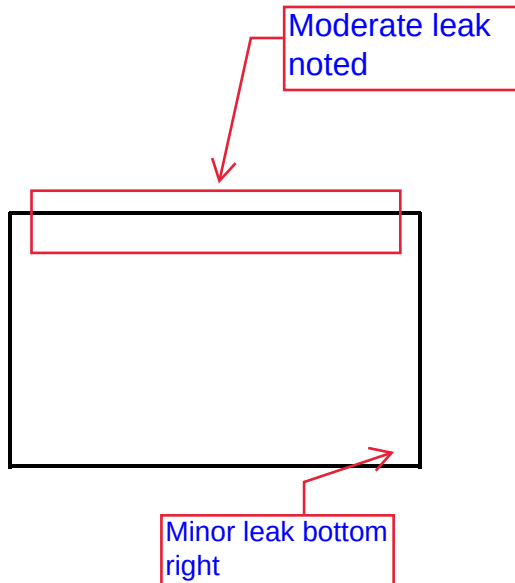
Gate #3	Gate #2	Gate #1
 • Heavy marine growth • Anodes in place 4x's 95 % life • Surface corrosion and rut noduling present below waterline • Clean floor; floors and roof in good condition • Heavy exposed agg and pitting in concrete • Back of gate, gasket has mod cracks, mod marine growth • Minor exposed reinforcements noted • Minor to moderate cracking & pop-outs noted in roof • Moderate concrete abrasion noted throughout • Length: Approx. 76' • Minor bumper dry rot	 • Minor unevenness noted throughout floor • Gasket in good / fair condition, minor deterioration present • Heavy exposed aggregate noted • Anodes approx. 95% life, couple old anodes present • Length: approx. 71' • Corrosion w/ pitting on flapper gate • Heavy marine growth on flapper & anodes • Two (2) loose nuts on door hinge on the right side recommended to tighten down	 • Gasket in good / fair condition • Heavy exposed aggregate noted throughout; especially along bottom on hallway 1 • Moderate abrasion noted in sluiceway • Length: approx. 66' • Moderate corrosion on flapper • Gate constructed of aluminum • Minor to moderate cracking on bumper material • Anodes look good 95% life • Mod -heavy marine growth • Surface corrosion and rust noduling present behind growth; difficult to fully evaluate behind growth • Overpour in some small areas • Minor hairline cracking • Sluice gate 1 no leaks noted, gasket in good condition • Sluice gate 2 slight leak top right and left corners, center of top, mod leak along bottom of gate • Walls and roof look satisfactory

Flapper Gates & Sluice-ways

Gate #6	Gate #5	Gate#4
 • Minor to moderate gasket deterioration noted; cracks and chip • Small pieces of gasket missing • Heavy exposed aggregate noted throughout • Minor unlocalized pop-outs present • Minor to moderate exposed reinforcements noted on roof • Moderate abrasion present • Length: approx. 90' • Heavy marine growth throughout and on flapper & anodes • Moderate corrosion & pitting present on flapper • Four (4) anodes in place 95% life left • Two (2) old anodes with 15% and 10% life left • Surface corrosion and rust noduling present	 • Minor to moderate unlocalized pop-outs noted • Heavy exposed aggregate present throughout • Moderate abrasion noted • Length: Approx. 85' • Missing corner piece of flapper bumper • Bumper in good to fair condition • All hardware present & tight • Moderate pop-outs at opening • Moderate corrosion & pitting to flapper gate • Four (4) new anodes in place 95%; two (2) old anodes 15% life • Heavy marine growth • Gasket has cut and tears, missing gasket bottom left side about 3'; long	 • Exposed aggregate and pitting throughout • Moderate to heavy exposed aggregate noted throughout sluiceway (roof & wall) • Minor exposed reinforcements present • Minor concrete abrasion noted • Length: approx. 80' • Minor dry rot on bumper • 1/16" - 1/8" crack under hinges • Nut on right side hinge has 1-2 threads holding nut in place • Moderate voids in culvert • Minor hairline cracking in culvert • Four (4) anodes present 95% life left • Two (2) old anodes in place 15% life left • Heavy marine growth • Surface corrosion and rust noduling present • Gasket minor crack

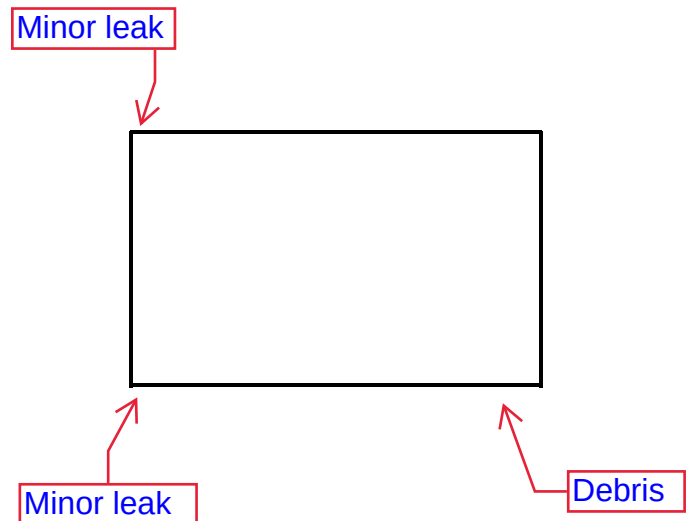
Sluice Gates

Gate #2



- Minor bend noted in upper "L" bracket
- Gasket deterioration top left
- Shaft satisfactory
- 70% marine growth
- Hardware present and tight
- Gasket pushed out on #2 (top)
- Missing a couple nuts and bolts on top seal

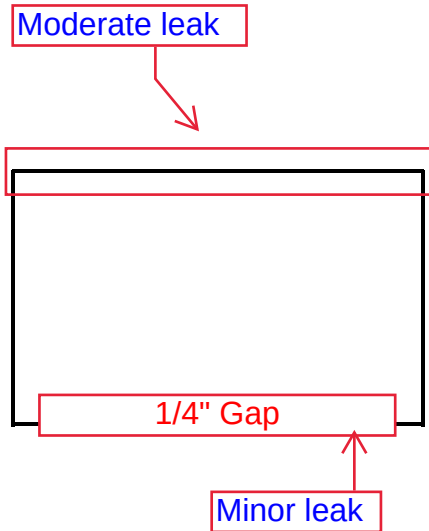
Gate #1



- Minor flow / leak (bottom left & top left)
- Debris / trash (minor)
- Moderate corrosion throughout
- Heavy marine growth present
- Approx. 40% - 50% life left on anodes
- Stem looks satisfactory
- Gate adjustment bolt 3/4" shaft is 1/2"
- Side rail bolt is 1/4" nut is 1/2"
- Bottom seal is 1/4" shaft, nut is 1/2"
- Scour on apron near bottom of number 1

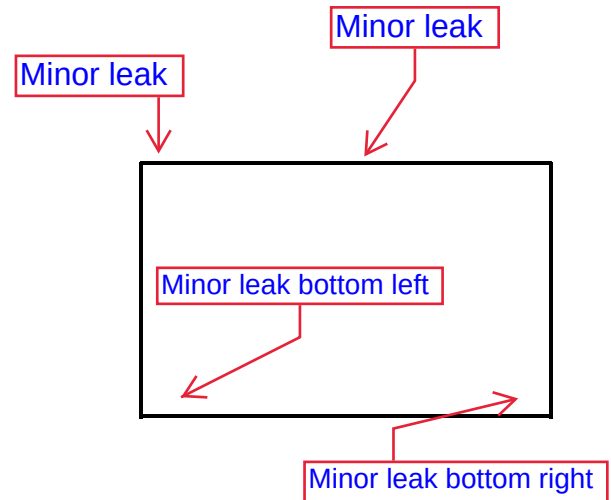
Sluice Gates

Gate #4



- Heavy marine growth
- Corrosion w/ pitting
- Top of gate missing seal gasket
- Remaining gasket in place and satisfactory condition
- Minor leak bottom right corner
- Slight bend in the stem
- Hardware missing for top seal

Gate #3

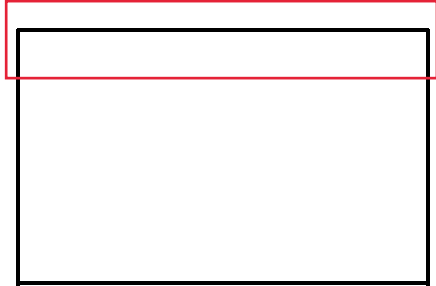


- Corrosion w/ pitting noted
- Heavy marine growth
- Approx. 50% - 60% life left on anodes
- Minor leak bottom right side and left side
- Gasket in place and satisfactory condition
- Minor leak top left and middle
- All hardware on top seal present

Sluice Gates

Gate #6

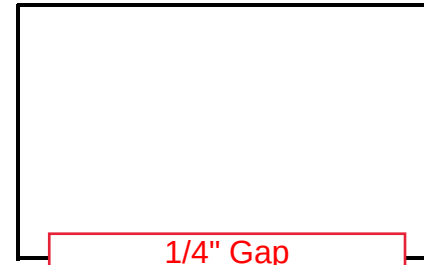
No hardware for
top seal



- Broken spacer noted near valve stem
- 1" - 1.5" gap
- Gate not closed all the way
- Heavy flow
- Loose bracket on upstream side of gate near waterline on stem
- Gasket satisfactory
- No leaks found
- No hardware for top seal, hole size is 1/4"
- Block size holding stem in place is 3"x 3"x 3"

Gate #5

Minor Leak



1/4" Gap

Minor leak

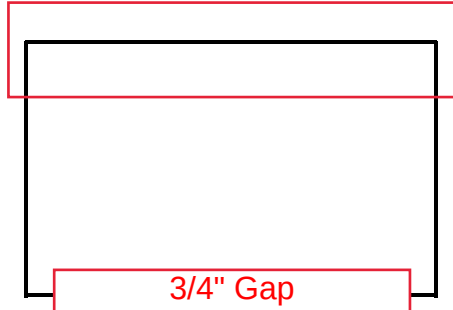
Minor leak

- Heavy marine growth
- Approx. 75% life left on anodes
- Corrosion w/ pitting
- Minor leak middle of gate right side
- Gasket satisfactory condition
- Minor leak bottom right
- Minor leak top left

Sluice Gates

Gate #8

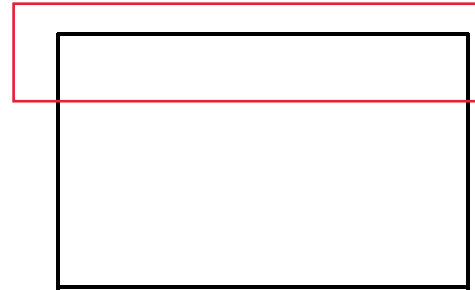
- Moderate leak
- Missing top seal



- Heavy marine growth
- Corrosion w/ pitting
- Approx. 90% life left on anodes
- Heavy leak along bottom right
- No seal on top; daylight coming thru top
- All hardware is missing for top seal, diver did not find any pre-drilled holes along the top

Gate #7

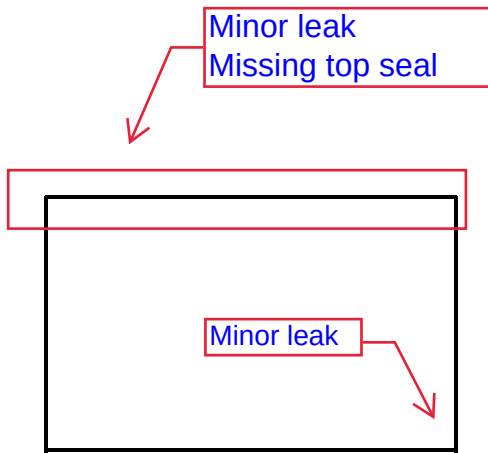
- Moderate leak
- Missing top seal



- Broken top spacer near valve stem
- Bent/ bowed upper "L" bracket
- Heavy marine growth
- Corrosion w/ pitting
- No seal on the top
- Bowing of the stem present
- Bolt tying stem to gate is 5 1/4" in length, nut is 3/4" bolt is 5/8
- Missing hardware for top seal, pilot holes are present

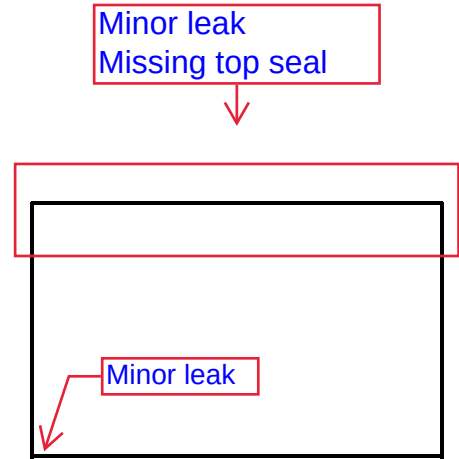
Sluice Gates

Gate #10



- Mod leak top left side
- Bottom right side minor leak
- No seal on top
- Soft growth noted on all gates
- Bent anchor bolt on guide into the wall
- Adjusted large gap (3") to close

Gate #9

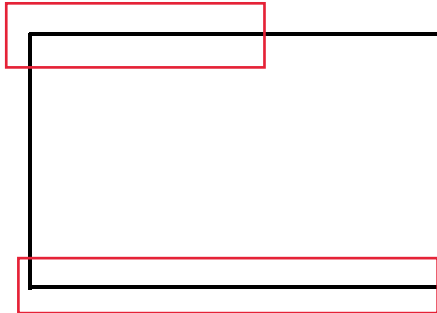


- No gasket on top
- Minor leak bottom left side
- All hardware tight
- Concrete bottom

Sluice Gates

Gate #12

Minor leak



Severe flow
1.75" gap along bottom left to
Middle, 1.5" gap along right side
Opening along entire bottom
gate

- No damage structurally
- Gate appears to be slightly open; 2" gap on gate
- Gate appears to be obstructed by debris - dead bird trapped under gate
- Sluice gate operating valve appears to be out of service
- Recommended to adjust gate
- Gasket appears to be in good condition

Gate #11

No Leaks



- No damage structurally
- Gasket in place and satisfactory condition
- No leaks found
- All hardware hand tight
- Soft growth throughout
- Stainless steel door
- 10-15' skirt

Fresh Water

Drawdown Structure Map

Loose Gasket

Sluice Gates

Loose Gasket & bent bolts

Missing hardware

Bent stem & missing hardware

Apron Notes

- Thirty (30) ft out from headwall starts a line of concrete bags/blocks and continues out (did not make it to the end)
- Heavy exposed aggregate with moderate pitting
- Few voids near Gate 1 up to 6" deep

Approx. 2" Gap

Bent bar and bowing stem

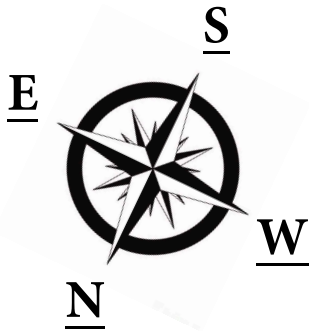
Sluice-ways (Box Culverts)

Road way

Minor / Moderate cracking

Flapper Gates

Salt Water



Fish Containment Fence



Notes

- Pins forward of pilings #7, 11 and 12 are unsecured and need to be reinstalled (completed 3/14/25)
- Most remaining pin re-anchored and secured to bottom profile (completed 3/14/25)
- Minor top cable to fence detachment unlocalized throughout
- Forward of piling #22 approx 1'x6' bottom gap
- Vertical to batter pile separation at piling 18
- Gap between fence and piling at # 14

Drawdown Structure Pictures

Aerial Sluice Gate Over-all (East side)



Aerial Flapper Gate Over-all (West side)



Aerial Over-all



Sluice Gate Gap - Fresh Water (#12)



Marine Growth



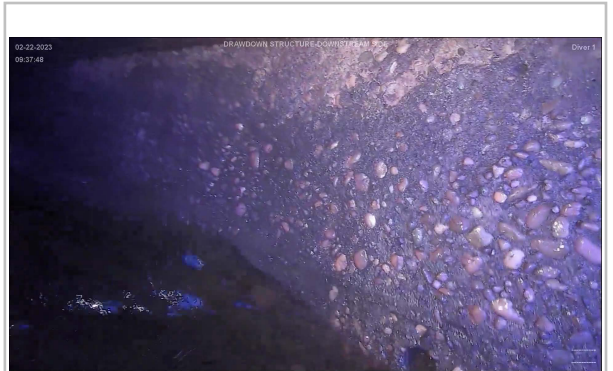
Leak (Flapper Gate 10)



Deformed Gasket/ Missing Hardware (Gate #2)



Heavy Exposed Aggregate (Wall)



Fish Containment Fence Pictures

Aerial over-all



Aerial fish fence over-all



Fence / post over-all



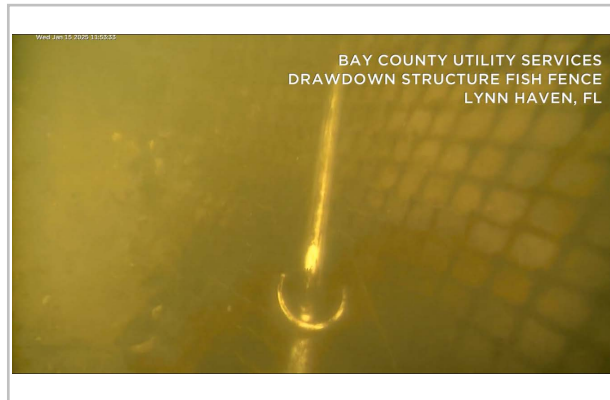
Fence / dock over-all



Bottom Gap in Fence (#22)



Loose Pin (Forward #7)



Fence Cleaning



Fence Above Water





In Depth Inc.
1473 Old Haw Creek Rd.
Bunnell, FL 32110
(386) 202-2771

Inspection Report

Client: **Bay County**

Asset ID: **Williams Bayou Pump Station**





Inspection Summary

Williams Bayou Pumping Station - Bay County, FL 2025

On February 7, 2025, In Depth Inc. performed the annual underwater inspection, cleaning, and maintenance services for the Williams Bayou Pump Station utilizing a five-person surface-supplied commercial dive team. The dive team was equipped with a live video recording system to document all findings in real time.

Divers conducted a comprehensive inspection of all seven (7) pump stations, as well as the interior and exterior perimeter fences. Cleaning operations included the removal of debris, trash, and organic growth using a high-pressure water blasting system and manual hand removal techniques. Miscellaneous repairs were performed on both the inner and outer fence structures, including the securing and reattachment of loose fence sections where needed.

The inspection identified multiple deficiencies across the fish fences, which are detailed within this report. Divers also noted several issues within each individual pump station (1 through 7), including delamination, corrosion, concrete spalling, and significant organic growth on submerged components.

In addition to pump-specific observations, the dive team inspected the structural condition of the pump station's concrete superstructure and Z-sheet pile walls. Notable findings included cracking and exposed reinforcing steel in the roof structure, as documented herein.

During the intake inspection, various obstructions were observed on the pump screens, including accumulated sediment, organic debris, and plant growth. Divers cleaned and restored these intake screens using pressure washers and wire brushes to ensure unrestricted flow and optimal system performance.

Reference the accompanying dive video for additional details pertaining to this inspection report:

Williams Bayou Pump Station - Bay County, FL Inspection

Best regards,

A handwritten signature in blue ink, appearing to read 'Zach', is written over a horizontal line.



Zach Rogers, President



Pump Station

- Pump #1: staining and marine soft growth covering almost 100%, minor-mod surface corrosion and rust noduling present, minor debris on bottom of sump, removed during clean
- Pump #2: 100% soft growth, surface corrosion and rust noduling present, hole is present in the pipe that is the sump
- Pump #3: 100% soft growth, hole present on lip of pipe that is sump, minor debris present on floor of sump cans and sticks
- Pump #4: 100% soft growth throughout, surface corrosion and rust noduling present, minor -mod debris on floor of sump,
- Pump #5: 100% soft growth, no pipe sump like the others was found; pipe sits higher than the others off bottom, minor surface corrosion and rust noduling present, sump is a rubberized bowl with intake sitting 6" off bottom, the bowl has filled with some natural bottom (i.e. mud and sand)
- Z Sheet Wall: mod surface corrosion throughout, mod-heavy soft growth
- Roof: mod-heavy hairline cracking, minor exposed reinforcement throughout
- Support Columns: Exposed aggregate present mod-heavy, abrasion minor-mod, waterline staining present, mod-heavy soft growth
- Additional Comments: sumps for intakes are 4-5' deep, trash rack does not come down to natural bottom, exposed rebar on roof on header 2 areas near z sheet wall
- Pump #6 Wet Well Area: exposed aggregate on walls minor, pipe at the back end of corridor, pipe look in good condition with heavy soft growth on pipe, surface corrosion & rust noduling is present under the soft growth on the pipe and flange about 3-5% with 1/16" of pitting, screen looks in good condition and pretty clean, access to area was thru a grate, we pressure washed the screen and pipe to the best of our ability, there is a baffle wall right below the access point about 5' tall
- Pump #7 Wet Well Area: small pile of debris on the floor mixed gravel 3'x3' area 1-2" deep, screen in excellent condition, no growth on screen or pipe, very little growth on walls and floor, surface and rust noduling is present on pipe with up to 1/8" pitting, coating present with checking and cracking minor-mod, there is a baffle wall under grating with a gate opening to a pipe leading out to the barrel intake, gate looks in good condition.
- West Barrel Intake: 100% soft growth throughout, cleaned with pressure washer, stainless steel material, all welded, 14' long x 6' diameter, 8" pipe tying into barrel screens
- East Barrel Intake: 90% soft growth, cleaned with pressure washer, constructed of stainless steel material, all welded and look good, 14' long x 6' diameter, 8" pipe tying into screen
- Both barrel intakes share similar discrepancies, east intake was slightly cleaner than west, both have 2 sets of screens on both end of barrel

Middle Fish Fence

- Pole 1 (closest to shoreline)
 - Hole present on #3 - 2x2"
 - Green chain link fence highly corroded and falling apart
 - Pitting and corrosion present on all poles
 - All holes in fish fence have been fixed
- Pole 6
 - Hole present 3x2"
 - Fence seams are stretching and starting to pull apart
 - Mix match of new fence and old fence throughout
- Pole 8 - Small hole present
- Pole 9 - Large hole 2x12"
- Pole 11 - Hole present above waterline
- Pole 12 - Is snapped in half, secured to fish fence and does move and wiggle
- Pole 14 - Small hole 2x8" 2x's
- Pole 15 - 1x24" hole present
- Pole 16 - Small hole
- Pole 17 - 2x12" hole
- Pole 18 - 2x24" hole
- Pole 19 - 2x20" hole
- Pole 20 - 1x12" hole
- Pole 21 - 1x8" hole and 1x12"
- Pole 22 - 2x8" hole
- Repaired tie wires were done where needed, fallen panel was also reattached, fence was cleaned with pressure washer as well

Exterior Fence

- Pole 1 (Closest to access point)
- Surface corrosion and pitting noted throughout all poles
- Fence has come apart slightly on the bottom corner near pole 7-9
- Zip ties added at waterline and near top to all poles
- No holes noted on poles
- Large area of scouring near poles 38-40, about 6' deep, no access to outside of fence
- Small gap on fish fence at the end, 8" near z sheet wall
- Repair work was done with stainless steel zip ties where needed and fence was cleaned with pressure washer
- Fish fence looks to be in good condition overall

Pictures

High Service Transfer Pumps (Topside)



Wire Brushing Cleaning Intake



Fish Fence Over-all



Pump Components Over-all



Secured Fence Patch



Pump Station Over-all



Aerial Over-all #1



Aerial Over-all #2



Pictures

Aerial Over-all #3



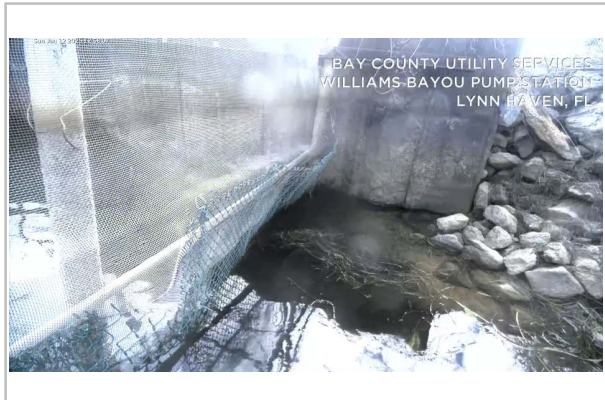
Small Bottom Gap in Fish Fence



Exterior Fence (Piling 18)



Interior Fence Patch



Cleaning Fence Above Waterline



Cleaned Intakes



Corrosion & Growth (Pump 2)



Exposed Reinforcement - Header Near Pump 1



Map

