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24" Diffuser Inspection Report City of Fairhope 02/25/19

Summary:

Blue Diving & Salvage, LLC conducted a repair of the City of Fairhope 24" outfall pipe located at coordinates N30° 32.007', W087° 54.570.



Fig. 1

Repair Report:

The Dive team excavated around the pipe and anchor and 6'-8' out on either side of the anchor to perform the repair.

Once excavated, the dive team moved the concrete anchor 24" to the East of the crack to make room for the provided 30" wide repair clamp to be installed. While performing the move of the anchor, the Diver found another opening in the pipe. An approximately 1" hole that appeared to be drilled in during installation was found at the 12 o'clock position. The diver threaded a bolt into the pipe to block off the hole.

The crack was inspected and the weld bead was removed using a draw knife. The clamp was positioned over the crack and measured to ensure the center of the crack was at the center of the repair clamp and the clamp was evenly tightened.

Once repairs were completed, a dye test was performed. During the test, a drone piloted by Fairhope personnel, was in the air to spot dye as well as the Diver in the water to complete a close



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visual inspection of both the repair clamp as well as the bolt that repaired the 1" hole to the East of the crack. No dye was observed by the Diver or the drone.

The excavation was closed using the material taken out to leave the natural bottom flat.

If there are any questions regarding this report, feel free to contact Don Coleman at anytime.

Capt. Don Coleman
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