

PROJECT INFORMATION

Crystal Lakes and Medway Vacuum Sewer Tank Replacement

Date: March 6, 2026

Project Name:

Clark County Crystal Lakes and Medway Vacuum Sewer Tank Replacement

Location:

Clark County, Bethel Township. Work will occur at the Clark County Utilities Medway Station at 214 Sycamore Street in Medway, and at the Clark County Utilities Crystal Lakes Station at 5 Elm Road in Medway.

Problem:

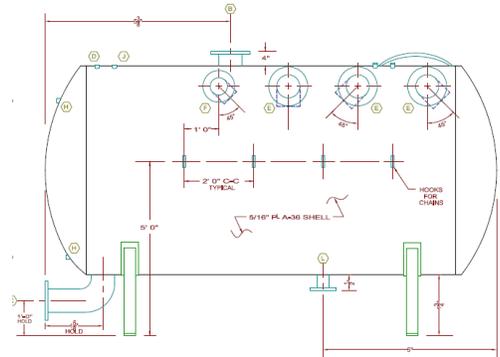
Clark County operates two vacuum sewage collection systems that were constructed in 1992 and use vacuum sewer collection system equipment manufactured by Airvac, Inc. In these systems, wastewater from customer houses flows by gravity to vacuum pit sumps with up to 4 houses discharging into each pit. The vacuum pits are connected to piping that conveys sewer by vacuum to a collection station when the pit valve opens. Each station includes a building that houses a steel collection tank, vacuum pumps, and sewage pumps. The collection tank cannot be removed from service without shutting down the system. At the Crystal Lake station, pinholes developed in the steel collection tank that were repaired with an



epoxy patch. In November 2023, the County hired a contractor to survey the steel tank wall thickness and found that the wall thickness has decreased to the point where the tanks need to be replaced.

Objective:

Install replacement fiberglass vacuum sewer collection tanks at both the Medway and Crystal Lakes Stations and provide for rehabilitation of the existing steel tanks for use as emergency backup units in the future.



Total Project Cost:

\$1,057,000.00

Funding:

Clark County Sewer Fund – \$272,000.00

Ohio Public Works Commission - \$785,000.00 (\$300,000 grant/\$485,000 0% loan)



**Public Works
Commission**
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Manager:

For more information, call Clark County Utilities Director Chuck Bauer at (937) 521-2155 or email at cbauer@clarkcountyohio.gov.