



PROJECT: Manhole Rehabilitation using CLADLINER

OWNER: Ocean Reef Club

CONTRACTOR: Maxx Environmental – Pipeline Utilities, Inc.

LOCATION: Ocean Reef – Key Largo, FL

DATE: June 21, 2018

PRODUCTS: CLADLINERTM

Manhole Rehabilitation - Spraying CLADLINER

Municipalities on a budget are constantly looking for methods to deal with the problem of stopping Inflow and Infiltration (I&I) due to manhole deterioration. CLADLINER provides a quick fix to this common problem. Municipalities across the country have been turning to this hybrid epoxy solution and finding great success in terms of cost savings, ease of application, and quick return to service. The lining solution rehabilitates, protects, and helps to eliminate inflow and infiltration, all in one system, as demonstrated in the Key Largo, Florida, manhole rehab conducted by Maxx Environmental – Pipeline Utilities, Inc.

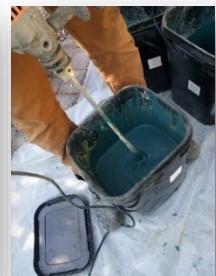


Problem

This 4' x 6' precast concrete manhole was in need of re-lining due to deterioration of the existing coating and concrete from hydrogen sulfide (H₂S) exposure. The manhole was located on a city street where traffic needed to be redirected, so quick turnaround time was important.

Solution

The surface preparation included hydro-blasting to remove the loose coating and concrete. The contractor mixed CLADLINER according to the manufacturer's instructions, with Ignacio "Nacho" Arias, CLADLINER's Sales Rep & Technical Consultant on site.



CASE STUDY SERIES

Many municipalities choose the simple application method of troweling on CLADLINER; however, spraying using a cement hopper is also an option, which was the method of choice for this particular manhole rehabilitation. The product was poured into a hopper and sprayed into the manhole. It was then troweled over to produce a smooth finish.



Result

The manhole rehab was completed in less than three hours from start to finish. The manhole was not only rehabilitated but is now protected from H₂S. "We love the product! It sprayed on quite easily and has a great working time (30 mins+) during which to mix, spray, trowel and brush." – Maxx Environmental – Pipeline Utilities, Inc.



To learn more about CLADLINER's complete product line, visit www.cladliner.com