

CheckMate® Inline Check Valve Protects Museum From Stormwater Flooding Along Florida Coastline

Vizcaya Museum, a historic house located on the coast of Miami, Florida, needed to improve the drainage system on its property. Besides being a museum, Vizcaya is home to extensive botanical gardens, making drainage and flood control of the utmost importance. In order to protect the museum and its gardens from flooding, new stormwater drainage pipes, a stormwater collection system and a stormwater pump station were installed on site.

The project engineer overseeing the design and installation of Vizcaya Museum's new drainage system needed a reliable check valve to place in the underdrain outfall of a box culvert. At first, a duck-bill-style Tideflex® Check Valve was considered for the box culvert. But ultimately, the engineer decided that a Tideflex® CheckMate® Inline Check Valve would be a better solution to protect the historic property from flooding.

Easily installed into any type of pipe, the CheckMate® Inline Check Valve is ideal for coastal applications such as Vizcaya Museum. The CheckMate® Valve has extremely low headloss, lower than any other check valve, and can open to a near full pipe diameter. This maximizes the flow capacity of the outfall, which is particularly beneficial in low-lying coastal areas where limited driving head is available.

CheckMate® Inline Check Valves have become a frequently specified solution for drainage and outfall lines. Municipal, commercial and even residential areas use the CheckMate® where complete, dependable backflow prevention is necessary. The 100% elastomer construction of the CheckMate® Valve eliminates corrosion. The CheckMate® also has a unibody construction that has no mechanical parts to catch debris or fail. The result is an inline check valve that can provide savings - both in time and cost.



The CheckMate® Inline Check Valve, prior to installation.



The CheckMate® Valve being installed into the box culvert.



The installed CheckMate® Valve, holding back water.