



# Field Survey and Mapping of County Stormwater System

Department of Public Works for  
Northeast County

## OVERVIEW

The County, located in the Northeast with a population of 1 million, has been required by the State Department of Environmental Conservation to complete an inspection and inventory of outfalls. Stellar led the field survey and mapping for all County-owned properties and roads. Our staff visited approximately 2,000 outfalls over a 13-month period in order to inspect each outfall and generate reports required by the State DEC. For this project Stellar is working cooperatively with Dolph Rotfeld Engineering.

## APPROACH

Our team used Trimble GNSS data collectors with Esri software (i.e. Survey123 and ArcGIS Pro). The data was delivered in the County's standard stormwater data format, and accepted by the County GIS as their standard.

## SOLUTION

Stellar led the field data collection, map generation, quality control, and delivery of hardcopy maps and digital data.

## RESULTS

The Stellar team captured a complete database of outfalls. The data includes 1,950 outfalls, hundreds of structures and pipes, as well as over a hundred miles of country road.