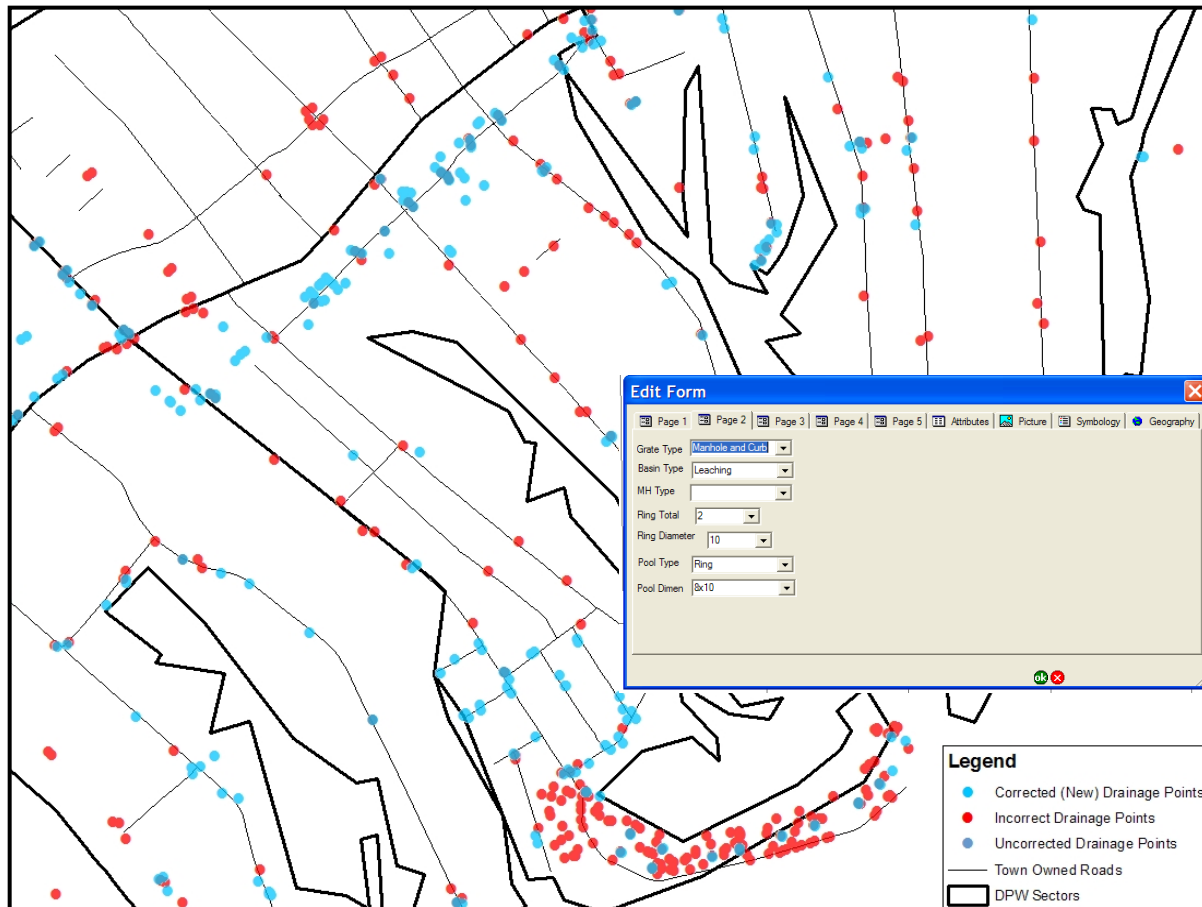


Town of Islip Drainage Inventory and Digital Mapping



Client/Owner: Town of Islip

Project Location: Town of Islip, NY

In order to comply with GASB-34 requirements, the Town of Islip retained GPI to undertake the task of inventorying the condition of its drainage assets and map them digitally. The delivered mapping featured datasets ready to be integrated into the Town's GIS system.

GPI developed a data management plan to integrate the drainage assets within the Town's GIS plan. The inventory was conducted by locating via GPS and surveying the condition of the Town's drainage systems and recording information using Arcpad 7.1 on hand-held PDAs. The inventory was supplemented with information extracted from record plans, work orders, and filed maps in the office and recorded using ArcGIS.

GPI has completed a first contract that inventoried drainage for 43 DPW sectors within the Town with approximate 11,000 drainage features. GPI has completed a second contract to inventory drainage for an additional 26 DPW sectors with an estimated 6,000 drainage features. A third contract has also been completed recently consisting of an additional 18 DPW sectors with roughly 6,000 drainage features.

This project provided the Town of Islip with a tool to estimate and assign a monetary value of its drainage assets based on their age and field condition, and also provided the Town an easy condition reporting tool for its drainage infrastructure.