The occurrence of powerful and damaging “Superstorms” in the Northeast, such as Sandy and Irene, have resulted in electric distribution companies rethinking their traditional or outdated distribution systems. In an effort to avoid future storm damage and limit the duration of customer interruptions, utility companies set out to identify problematic areas for mitigation armed with GIS technologies.

In such cases field crews are equipped with GPS and data collection tablets to assess each pole and collect any necessary features for redesign. GIS is used to analyze the areas of each circuit that are most in need of mitigation allowing the client to make an accurate and informed decision on construction planning and design.

Legend

Pole Class

- Class: H1, H2
- Class: 1,2
- Class: 3,4
- Class: 5,6

Tree Cover

- Heavy Tree Cover
- Moderate Tree Cover
- Light Tree Cover

Pole Condition

- Good
- Poor
- Poor (Failed Hammer Test)

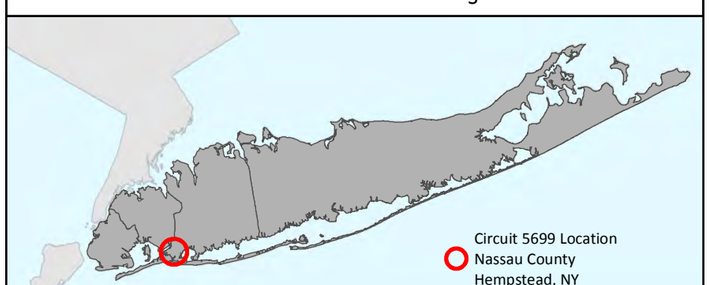
Mitigation Zone

- Mitigation Zone

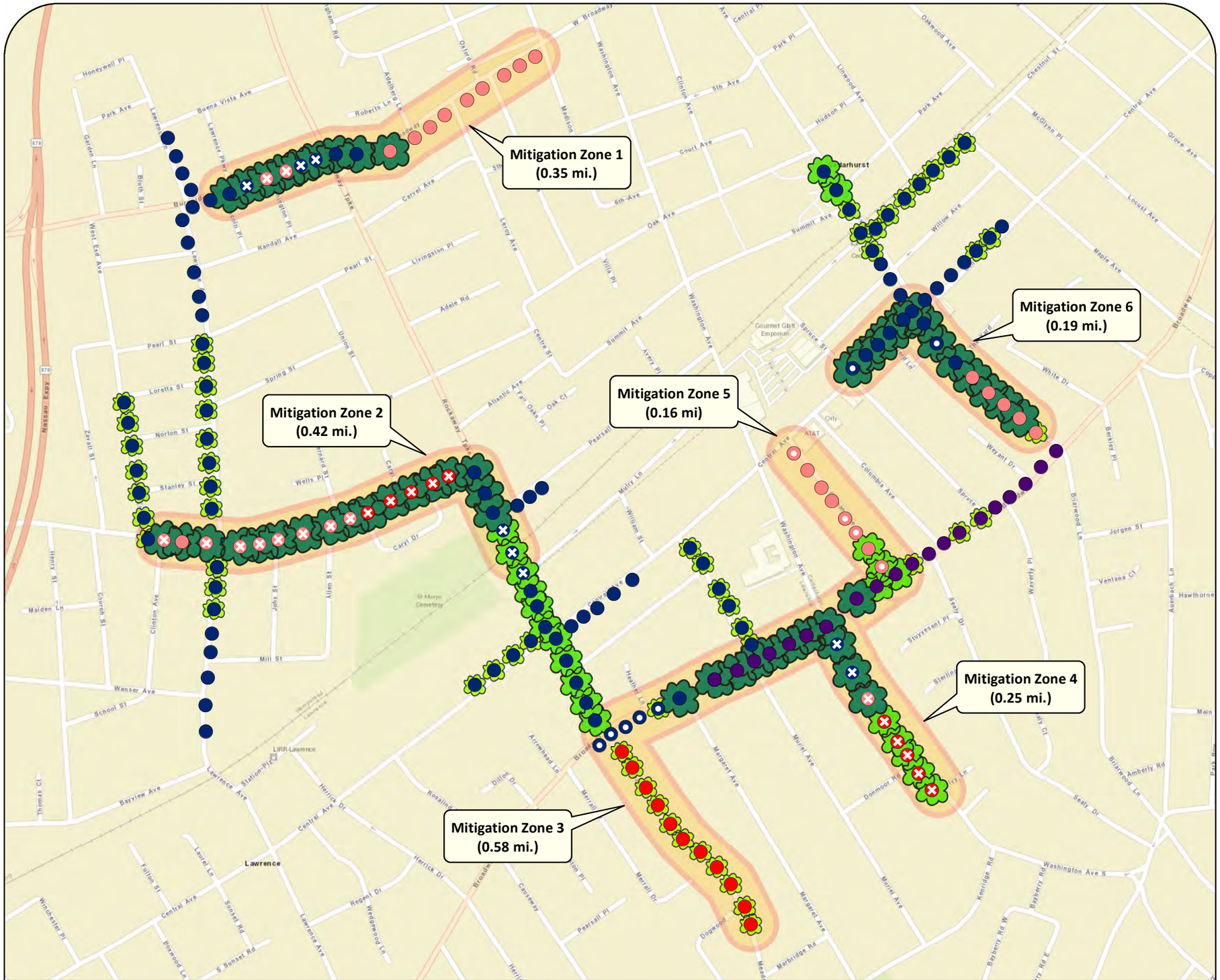
Primary Mitigation Considerations:
- *Heavy Tree Canopy*
- *Poor Pole Condition*
- *Pole Class > 2*

0 500 1,000
Feet

N
S



NOTE: Data and Map Created for Demonstration Purposes Only.



Overhead Electric Distribution Circuit: 5699 Feeder Hardening

Mitigation Zone Determination