### Owasco Highway Department Wetland Remediation Project Town of Owasco, NY

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#### Wetland A-18

- ▶ 47.5 acres
- Seasonally flooded forested wetland
- Regulated by DEC
- ► Impacted sometime after 1989:
  - Fill: street millings, stone, culverts, block, bricks
  - Invasive plants



# **Project View GHD Consultants** drafted remediation plan in 2019 Plan put into effect 0.29 acre wetland site Spring 2020 0.45 acre upland site

# 2020 Project Requirements

- Remove fill and invasive plants:
  - Common reed, (Phragmites australis) and,
  - Japanese knotweed (Fallopia japonica).
- Phragmites removed to a storage bunker; knotweed taken to Auburn landfill.
- Site graded to native soil depth.
- Guard rail and signage installed.
- ▶ 45 species of native grasses, herbaceous plants, shrubs and trees planted.



- Extensive and vigorous rhizomes
- Rapid growth
- ► Notoriously difficult to eradicate
- New science emphasizes management over erradication













Summer '20 challenge: Keeping equipment clean & free of plants













October: Deer protection



## **Future**

- 1. Ambitious plant survival goals established for the next six years, so replanting as needed.
- 2. Schedule of compliance says: "Project areas shall not exceed greater than 10 percent aerial coverage of non-native or invasive species at any time for the 5-year monitoring period." So,
- 3. Town will apply for a DEC Wetland permit for herbicide control of Phragmites, and,
- 4. Install kill screening technique on knotweed.
- 5. Keep up deer exclusion.