

**EARLY NOTICE AND PUBLIC REVIEW OF A PROPOSED ACTIVITY
IN A 100-YEAR FLOODPLAIN AND WETLAND
ULSTER COUNTY, NY**

**HARDENBURGH BRIDGE AND CULVERT REPAIR, UPGRADE AND REPLACEMENT
TOWN OF HARDENBURGH,
ULSTER COUNTY, NEW YORK
SEPTEMBER 6, 2017**

Lori A. Shirley, Deputy Director and Certifying Officer
Governor's Office of Storm Recovery
38-40 State St., Hampton Plaza
Albany, NY 12207

NOTIFICATION OF ACTIVITY IN A FLOODPLAIN AND WETLAND

To: All interested Agencies, Groups, and Individuals

This is to give notice that the Governor's Office of Storm Recovery (GOSR), an office of the New York State Housing Trust Fund Corporation (HTFC), has received an application from the Town of Hardenburgh to fund the Hardenburgh Bridge and Culvert Repair, Upgrade and Replacement project (hereinafter, the "Proposed Project") and is conducting an evaluation as required by Executive Order 11988 and Executive Order 11990 in accordance with U.S. Department of Housing and Urban Renewal (HUD) regulations (24 CFR Part 55). There are three primary purposes for this notice. First, to provide the public an opportunity to express their concerns and share information about the Proposed Project, including alternative locations outside of the Floodplain and/or Wetland. Second, adequate public notice is an important public education tool. The dissemination of information about floodplains and wetlands facilitates and enhances governmental efforts to reduce the risks associated with the occupancy and modification of these special areas. Third, as a matter of fairness, when the government determines it will participate in actions taking place in floodplains or wetlands, it must inform those who may be put at greater or continued risk. Funding for the Proposed Project will be provided by the HUD CDBG-DR program for storm recovery activities in New York State.

The Proposed Project is needed to address the risks of road inundation, stream bank failure, stranding or isolating residents, and the need for the provision of passage for emergency response staff and other essential personnel during storm events. During Hurricane Irene and Tropical Storm Lee, Hardenburgh experienced extensive flooding and infrastructure damage that occurred when streams flowing from higher elevations overflowed culverts and bridges. These flooding events caused damage to homes and property, roadway crossing, and the affected culverts and bridges, which prohibited ingress and egress by the residents of Hardenburgh and emergency first responders

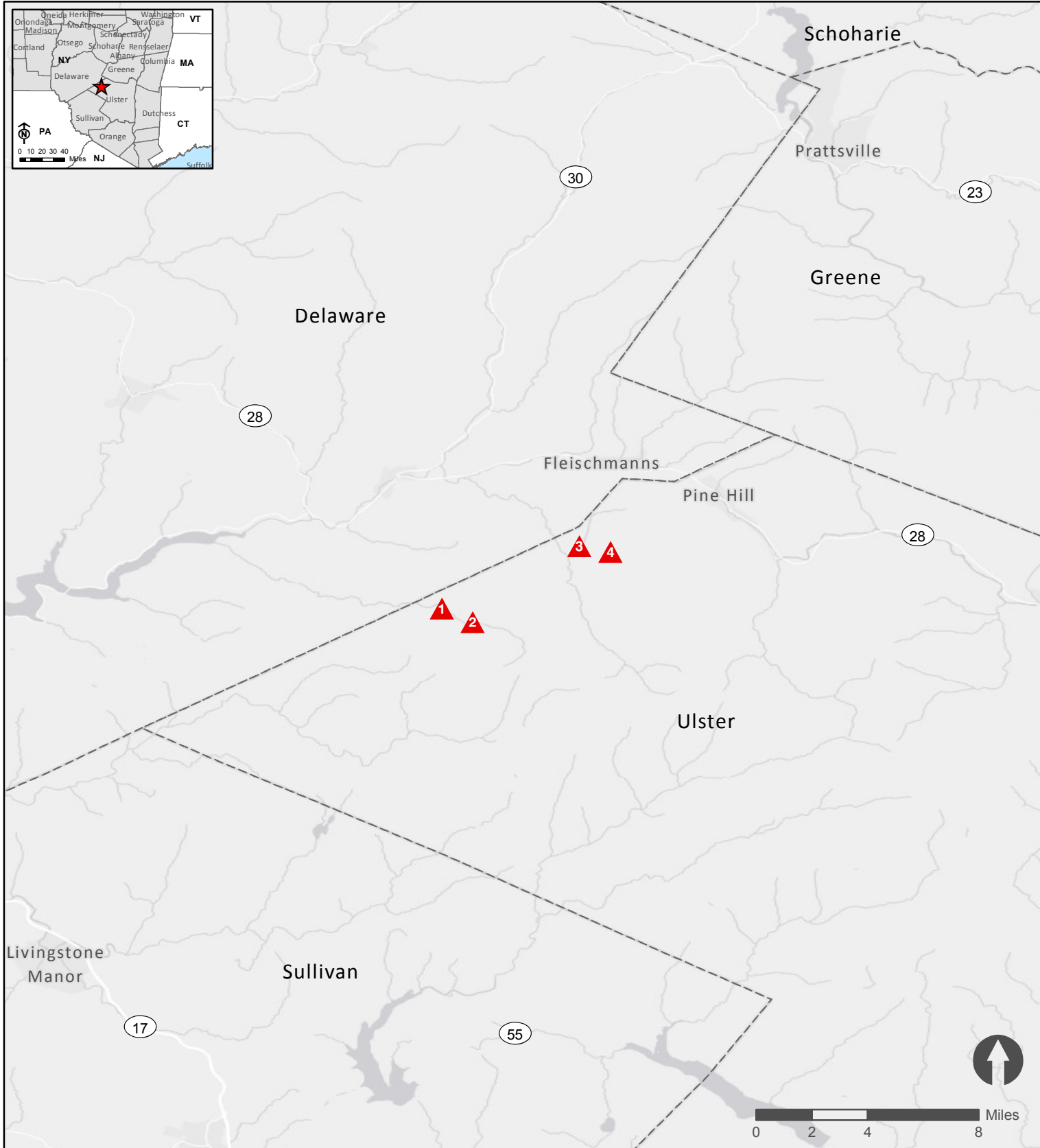
The Proposed Project entails bridge and culvert replacements at four sites to enhance flow capacity and flood water conveyance beneath the structures to mitigate stormwater effects at the four separate locations. The Proposed Project includes the design, engineering and construction to replace the current structures as well as streambed construction to match the gradation of the material in the existing streambeds upstream and downstream of the sites using nearby gravel, cobbles, and boulders.

Construction would include the demolition and removal of existing culverts and bridges. The structures would be replaced with steel sheet piling abutments with precast concrete deck units.

The Proposed Project will result in temporary impacts to 1.35 acres of 100-Year floodplain, as well as temporary and permanent impacts to National Wetland Inventory (NWI) mapped wetlands classified as a riverine wetland (R3UBH). The Mill Brook Road bridge replacement and abutment stabilization located near Hinkley Road is located within the 100-year floodplain. The location of the bridge carrying Rider Hollow Road over the tributary near Old Baker Road is also located within the 100-year floodplain. While the location of the culvert replacement at Rider Hollow Road and Todd Mountain Road is located outside of the 100-year floodplain, the temporary access road that is to be constructed is expected to intrude on the 100-year floodplain. The fourth location, at Mill Brook Road and Ploutz Road, is outside of the floodplain. The Proposed Project would not constitute a substantial improvement and would not have any impacts to floodplain management. All four project sites are located within NWI wetlands. The temporary floodplain and wetland impacts would result from construction. Construction would be localized and would not be considered a substantial effort. It would occur predominately on previously disturbed land. Efforts would be made to match the natural channel substrate and slope post construction. The majority of wetland impacts would be temporary, resulting from water diversion through a culvert during construction. The permanent loss of wetlands results from installation of the new abutments. The total area that would be impacted from the Proposed Project above ordinary high water would be 39,839 sf. The total area that would be impacted from the Proposed Project below ordinary high water would be 6,105 sf. The Proposed Project sites do not contain any state listed freshwater wetlands.

Floodplain maps based on the FEMA Base Flood Elevation Maps and wetlands maps based on the National Wetland Inventory and New York State Department of Environmental Conservation (NYSDEC) data have been prepared and are available for review with additional information at <http://www.stormrecovery.ny.gov/environmental-docs>.

Any individual, group, or agency may submit written comments on the Proposed Project or request further information by contacting Lori A. Shirley, Director and Certifying Officer, Governor's Office of Storm Recovery, 38-40 State St., Hampton Plaza, Albany, NY 12207; email: NYSCDBG_DR_ER@nyshcr.org. Standard office hours are 9:00 AM to 5:00 PM Monday through Friday. For more information call 518-473-0015. All comments received by 5:00 pm on **September 21th, 2017** will be considered.



Project Location

County Boundary

- Mill Brook Road near Ploutz Road
- Mill Brook Road near Hinkley Road
- Rider Hollow Road at Todd Mountain Road
- Rider Hollow Road at Old Baker Road

Figure 1

Regional Location

Hardenburgh - Bridges and Culvert
Infrastructure Repair, Upgrade,
Replacement Project

Source: U.S. Fish and Wildlife Service; Ulster County GIS Datasets;
NYS Dept. of State; NYS Department of Environmental Conservation;
U.S. Department of Agriculture; FEMA; ESRI World Imagery; ESRI Street Map



▲ Project Location

Figure 2a
Project Area

Mill Brook Road
near Hinkley Road
Project Location



▲ Project Location

Figure 2b
Project Area

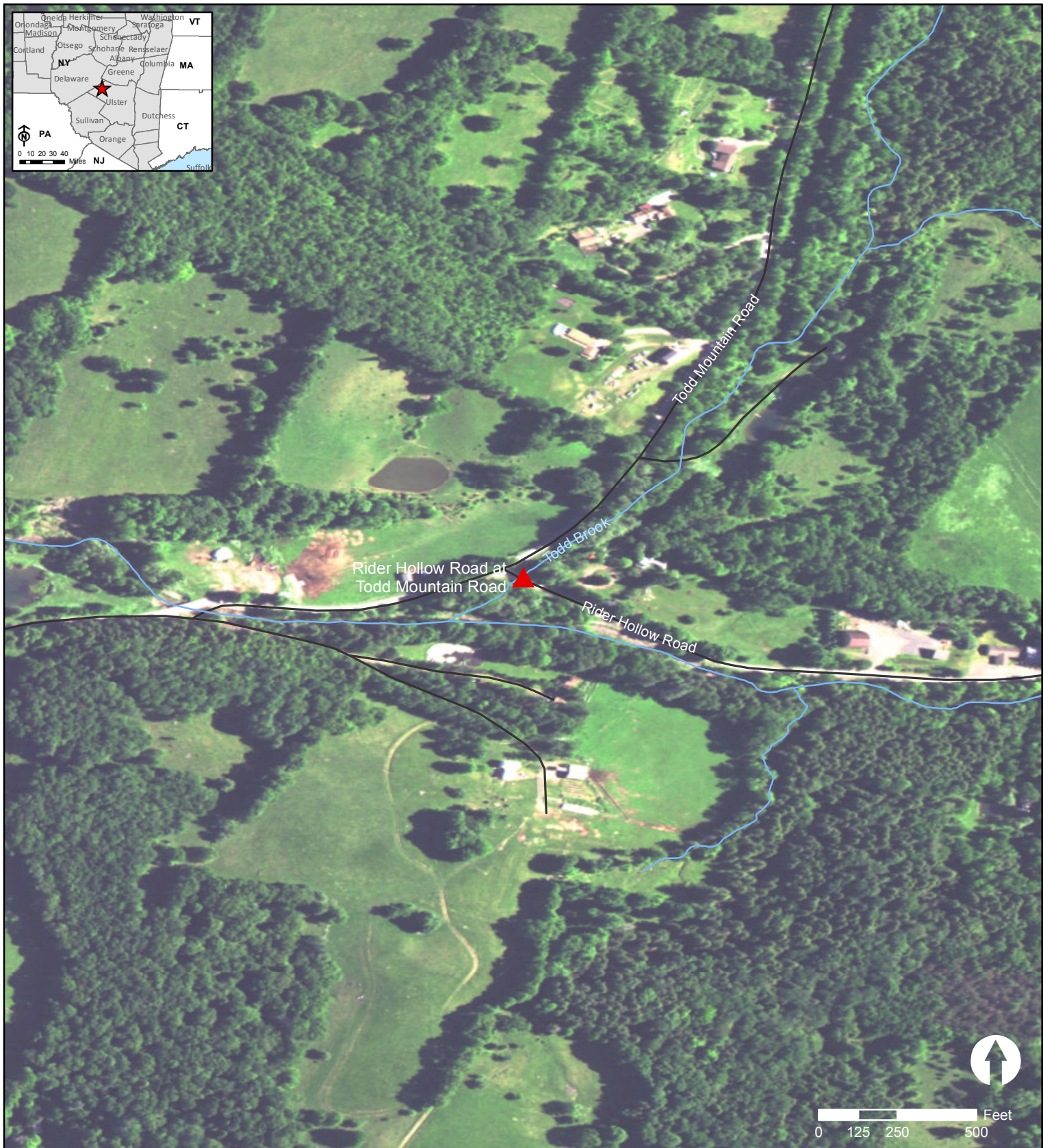
Mill Brook Road
near Ploutz Road
Project Location



▲ Project Location

Figure 2c
Project Area

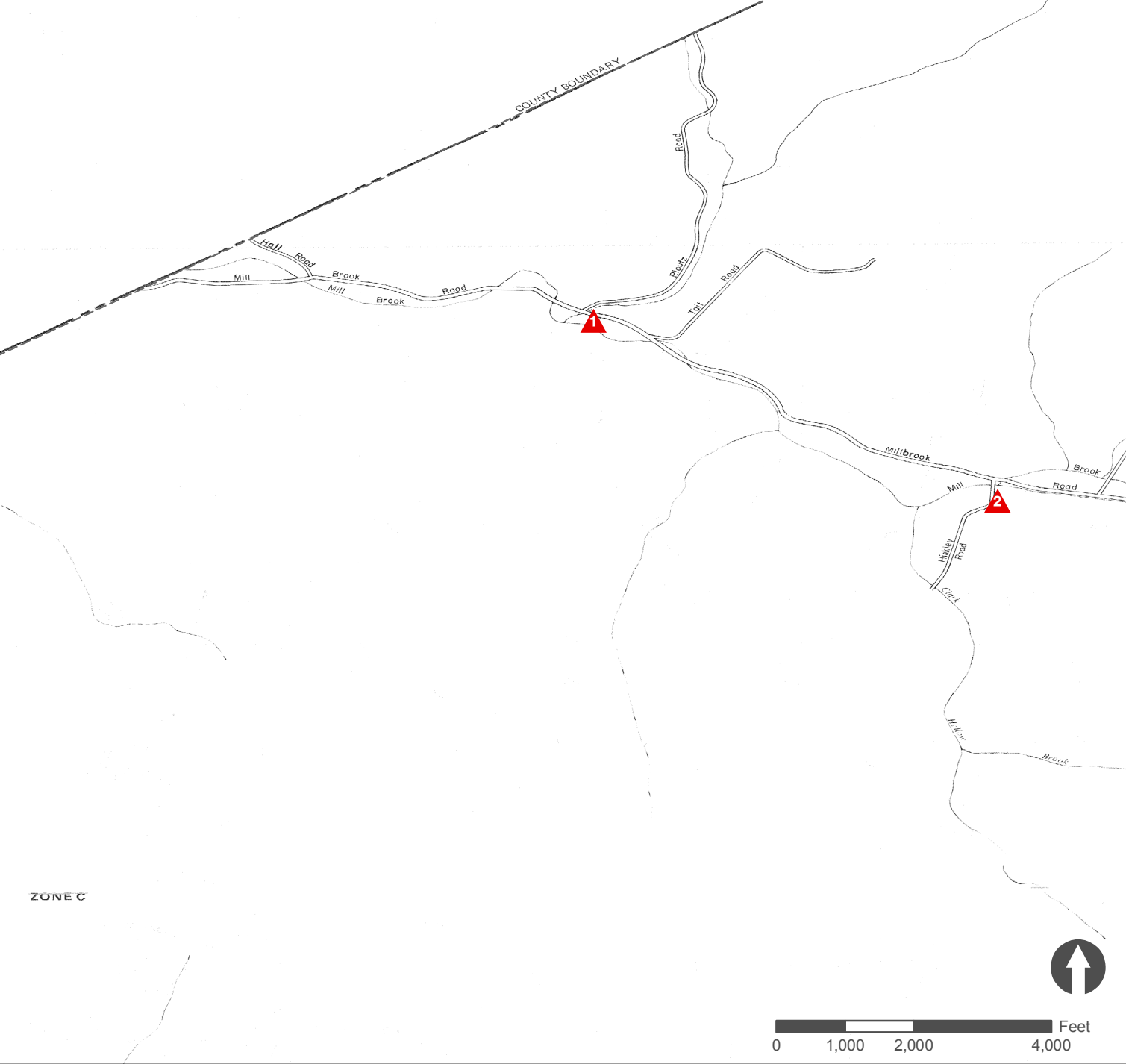
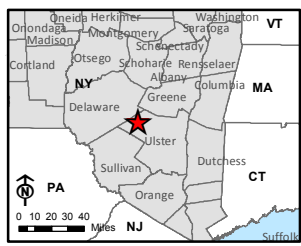
Rider Hollow Road at
Old Baker Road
Project Location



▲ Project Location



Figure 2d
Project Area

Rider Hollow Road at
Todd Mountain Road
Bridge Replacement



Project Location

FEMA Flood Hazard Zone

-  Mill Brook Road near Ploutz Road
-  Mill Brook Road near Hinkley Road


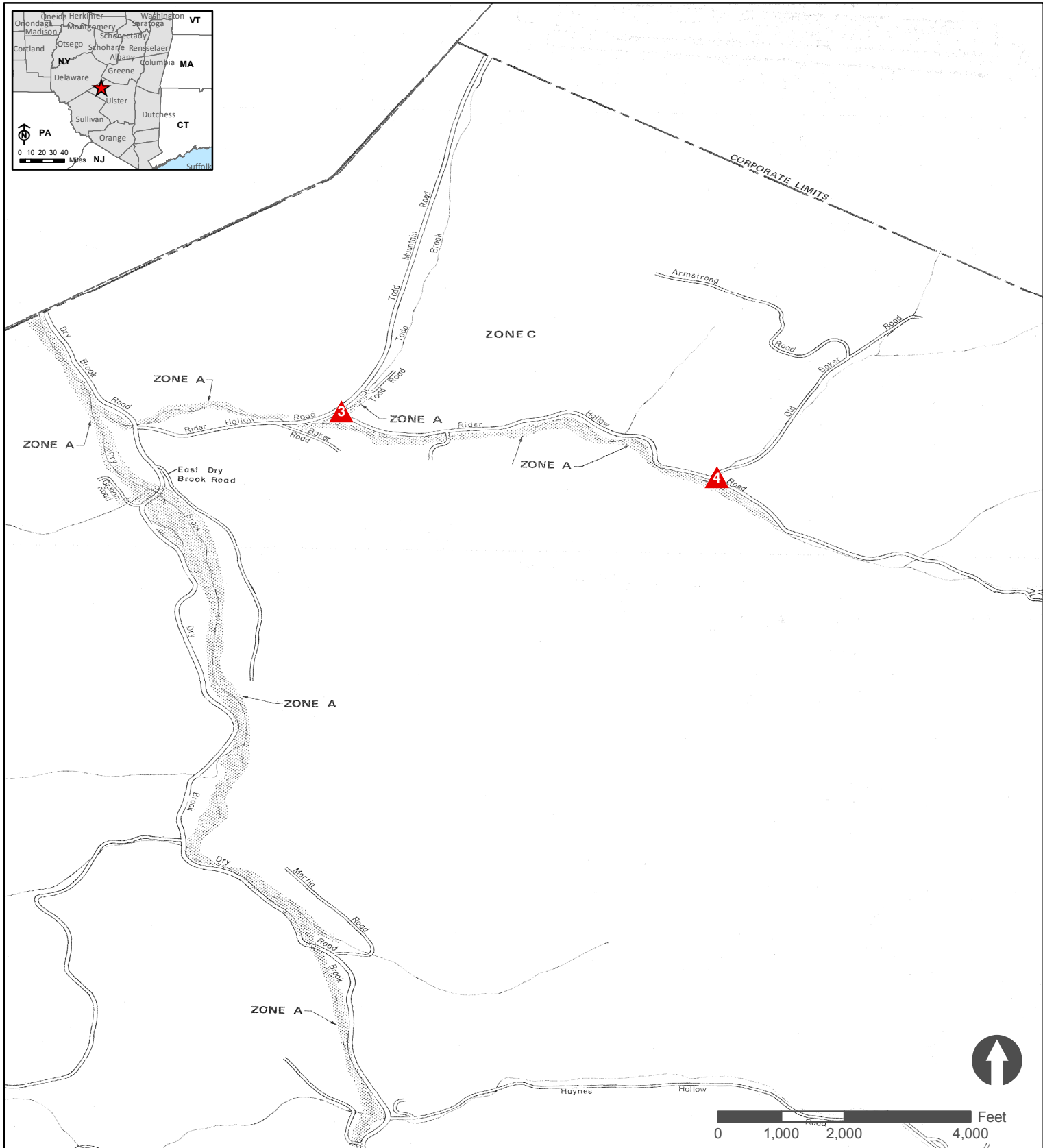
 Zone C



Figure 3a
Flood Hazard

Hardenburgh - Bridges and Culvert
Infrastructure Repair, Upgrade,
Replacement Project

Source: U.S. Fish and Wildlife Service; FEMA; Ulster County GIS Datasets;
NYS Dept. of State; NYS Department of Environmental Conservation;
U.S. Department of Agriculture; FEMA; ESRI World Imagery; ESRI Street Map



Project Location

-  Rider Hollow Road at Todd Mountain Road
-  Rider Hollow Road at Old Baker Road

FEMA Flood Hazard Zone



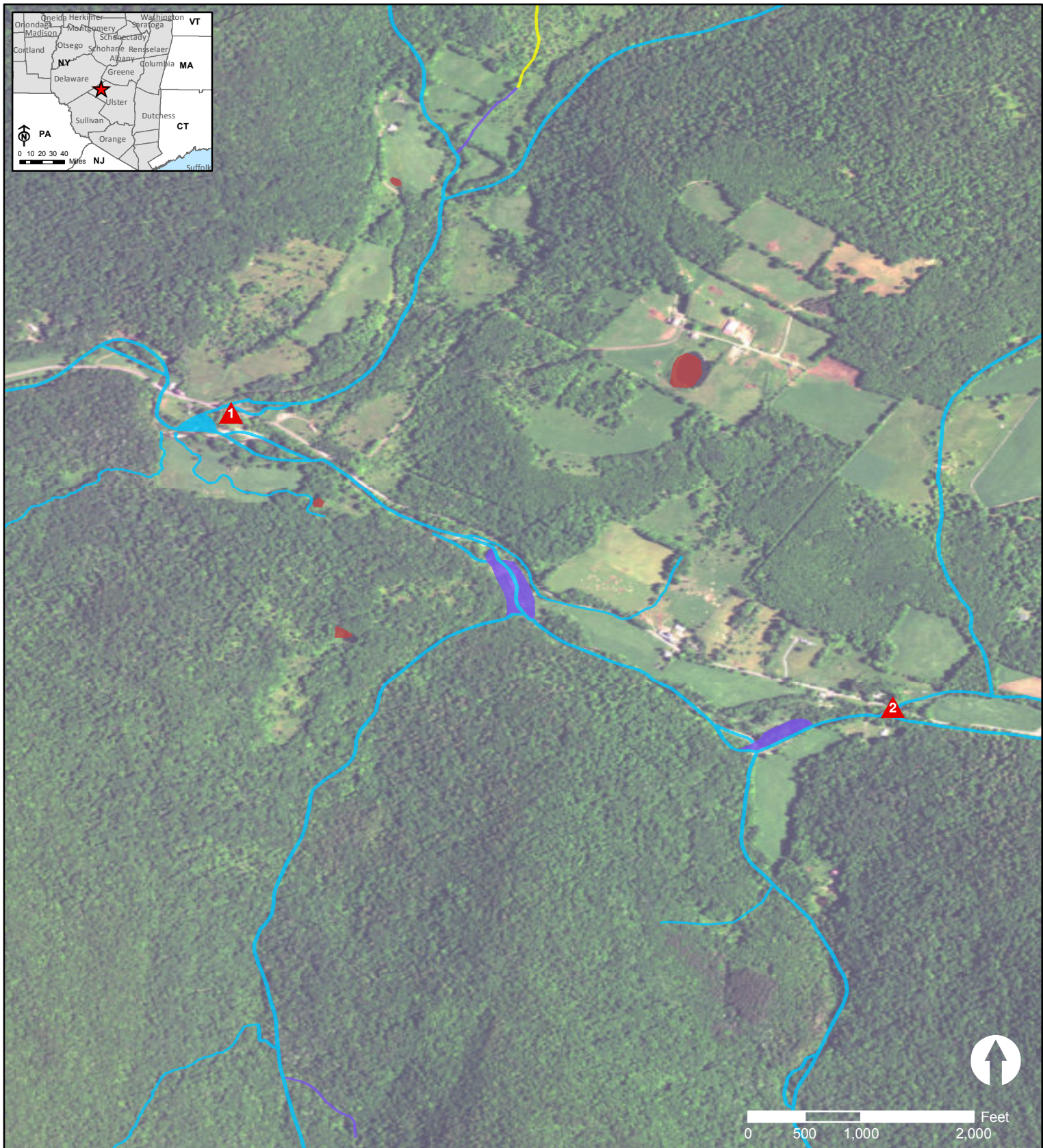
-  Zone A
-  Zone C

Figure 3b

Flood Hazard

Hardenburgh - Bridges and Culvert
Infrastructure Repair, Upgrade,
Replacement Project



Project Location

- ▲ 1 Mill Brook Road near Ploutz Road
- ▲ 2 Mill Brook Road near Hinkley Road

Wetland Type

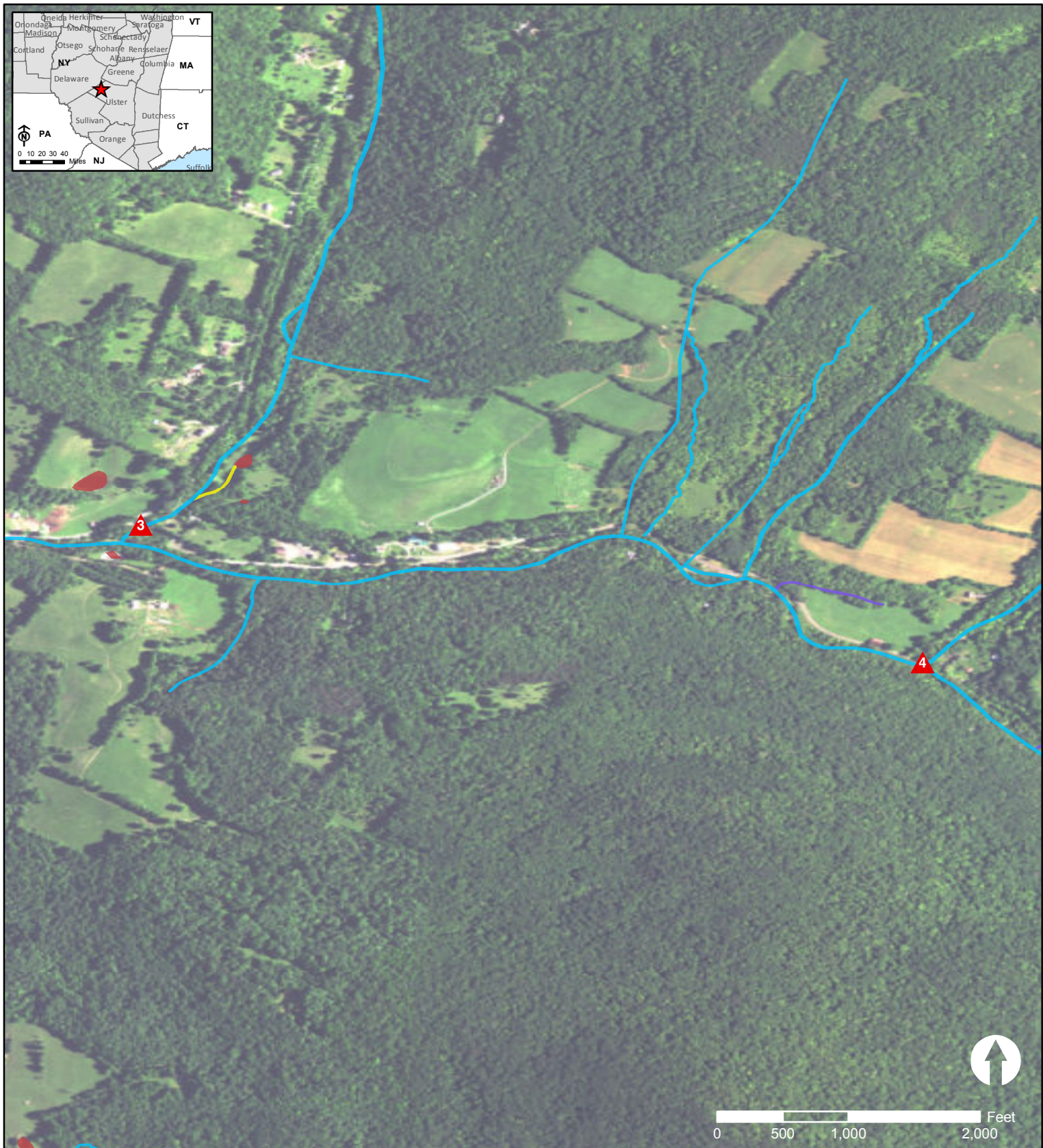
- Freshwater Forested/Shrub Wetland
- Freshwater Emergent Wetland
- Freshwater Pond
- Riverine

Figure 8a

Wetlands

Hardenburgh - Bridges and Culvert
Infrastructure Repair, Upgrade,
Replacement Project

Source: U.S. Fish and Wildlife Service; FEMA; Ulster County GIS Datasets;
NYS Dept. of State; NYS Department of Environmental Conservation;
U.S. Department of Agriculture; FEMA; ESRI World Imagery; ESRI Street Map



Project Location

- ▲ 3 Rider Hollow Road at Todd Mountain Road
- ▲ 4 Rider Hollow Road at Old Baker Road

Wetland Type

- Freshwater Forested/Shrub Wetland
- Freshwater Emergent Wetland
- Freshwater Pond
- Riverine

Figure 8b

Wetlands

Hardenburgh - Bridges and Culvert
Infrastructure Repair, Upgrade,
Replacement Project

Source: U.S. Fish and Wildlife Service; FEMA; Ulster County GIS Datasets;
NYS Dept. of State; NYS Department of Environmental Conservation;
U.S. Department of Agriculture; FEMA; ESRI World Imagery; ESRI Street Map