South Branch Park River

West Hartford, Newington and Hartford

Required Maintenance

=

Flooding Prevention

Connecticut Department of Energy and Environmental Protection

Connecticut Department of ENERGY & ENVIRONMENTAL PROTECTION

South Branch Park River Flood Control System Maintenance Project Update -

Hartford, West Hartford and Newington

January 12, 2015

Connecticut Department of Energy and Environmental Protection

South Branch of the Park River (SBPR)

- 1961 - Work plan agreement signed with the Soil Conservation Service, State (sponsor) and the municipalities benefiting from the flood improvements (Farmington, West Hartford, Newington and Hartford) in response to the Flood of ’55.

- 1964 - Agreement signed with Hartford to make channel improvements to remove meander in Park River in order to conduct water away from flood prone areas upstream during major flooding events.

- 1972 - Agreement signed with West Hartford to include channel improvements to St. Joseph’s Brook, Trout Brook and Rockledge Brook down to the confluence of Piper Brook (to the Newington Town Line) and Park River. Work included Pump Station.

- 1986 - Agreement signed with Newington to do channel improvements to Piper Brook to just upstream of Main Street and Mill Brook to just upstream of Dowd Street Bridge. Work included sedimentation ponds, flood walls and flap gates.

- Towns to incur costs to maintain vegetation and the state to incur costs to maintain mechanicals, sedimentation and structures.

- 2012 NRCS

Park River in Hartford Circa 1964

New Britain Avenue

New Park Avenue

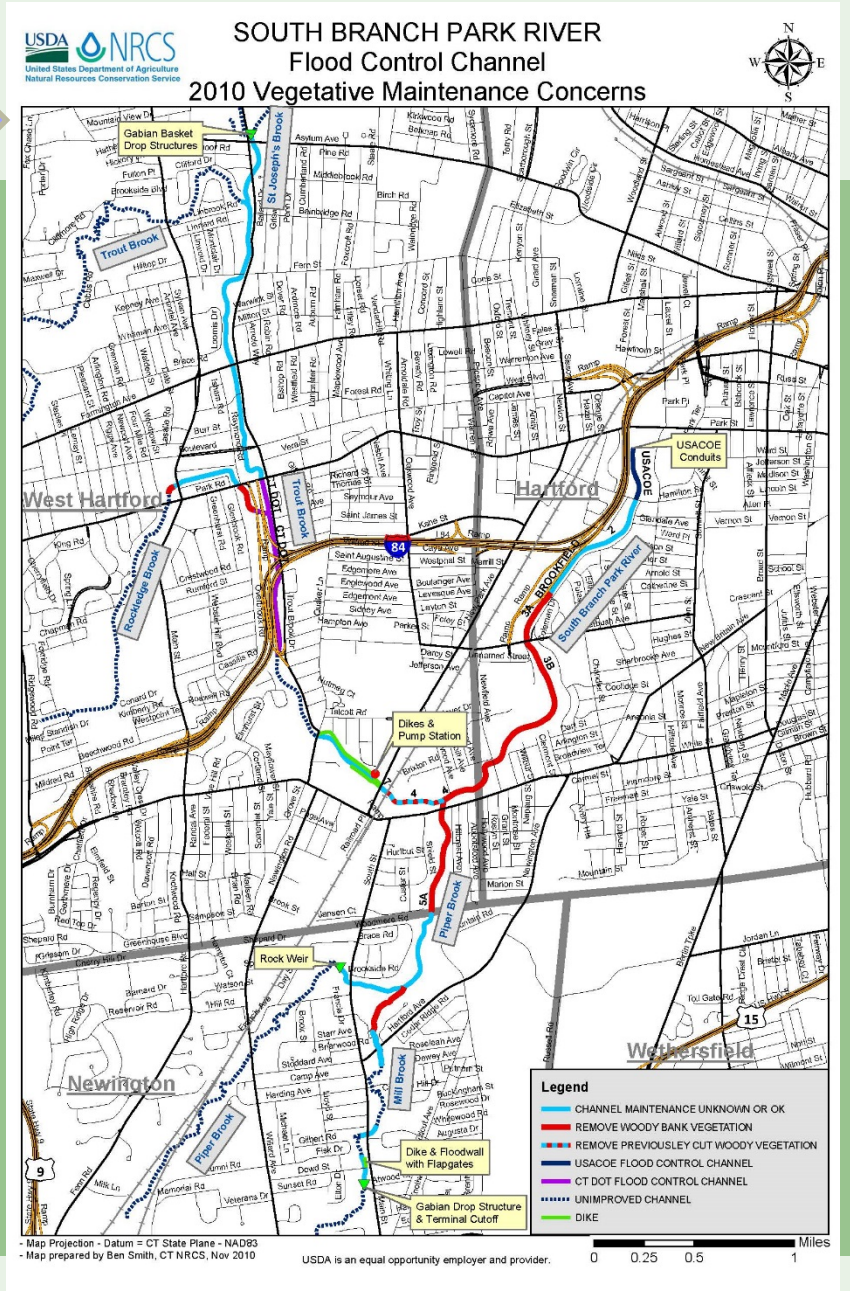
Flatbush Avenue

Hamilton Street Bridge

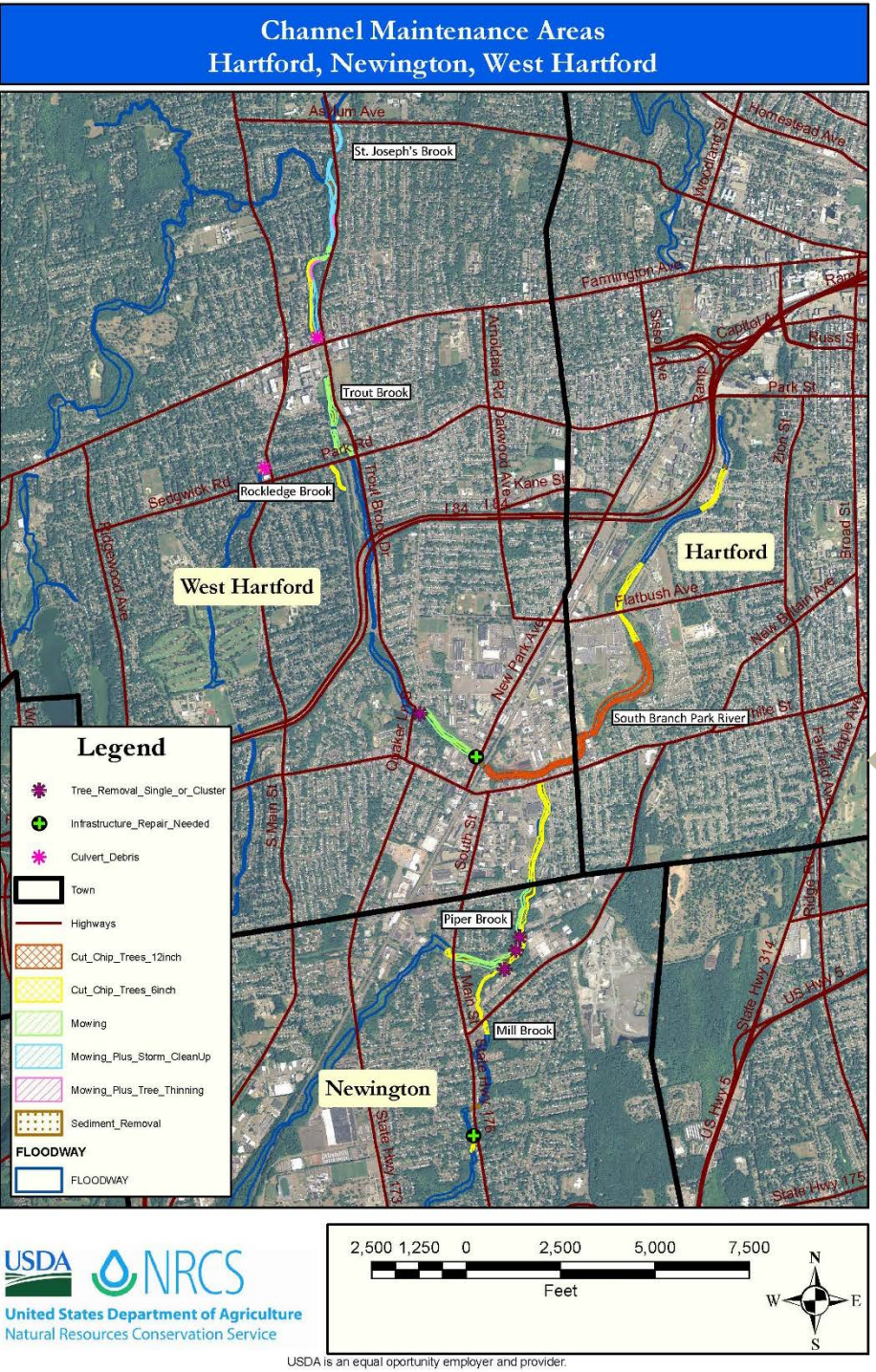
NRCS Overview Map from 2010 Inspection

South Branch Park River Overview

- Extensive maintenance last performed in 2000.
- Includes maintenance in Hartford, West Hartford and Newington
- Work includes vegetation removal in floodway, sediment removal in engineered sedimentation ponds and structural repair to floodwalls and flap gate structures.
- Work will commence in Spring 2015



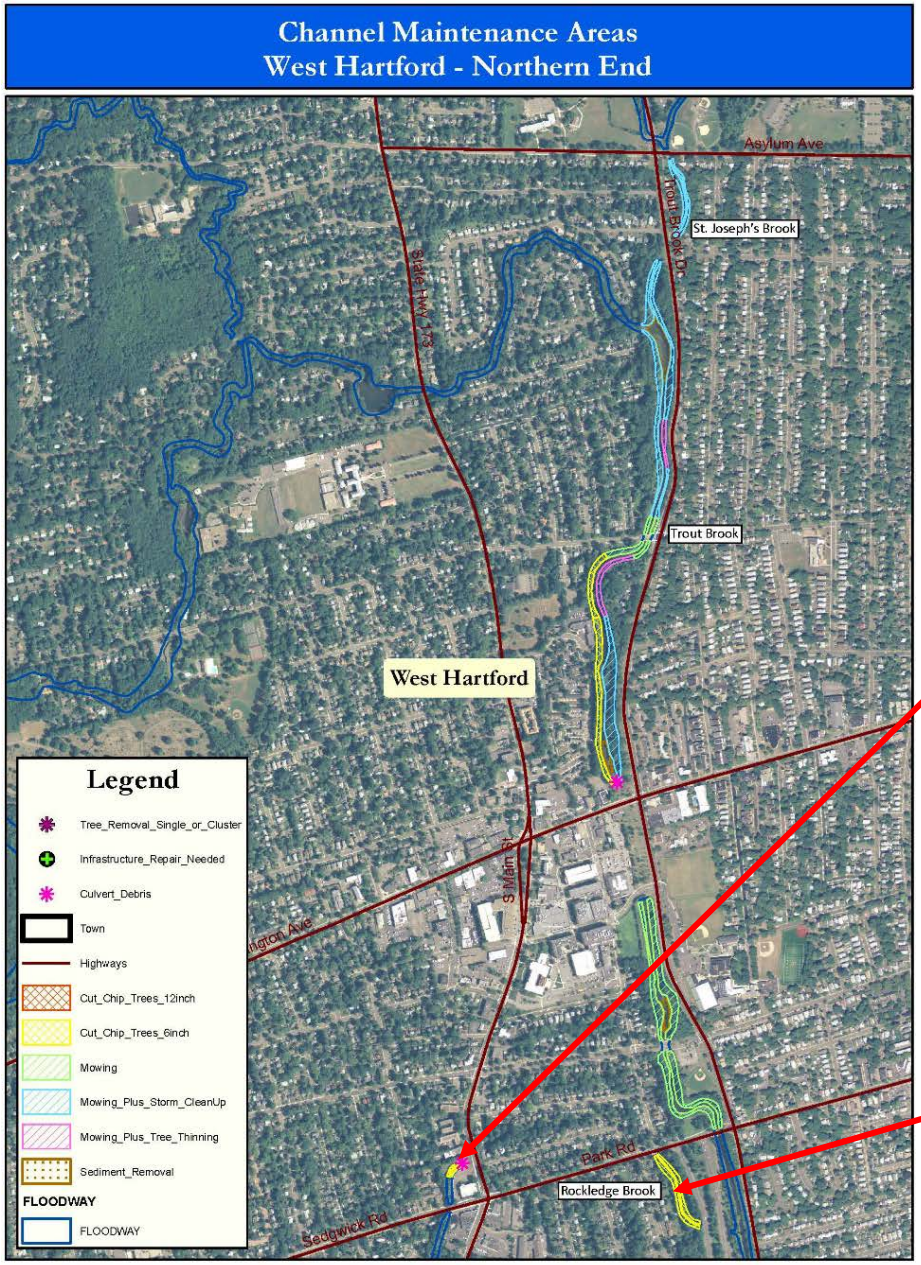
Connecticut Department of Energy and Environmental Protection

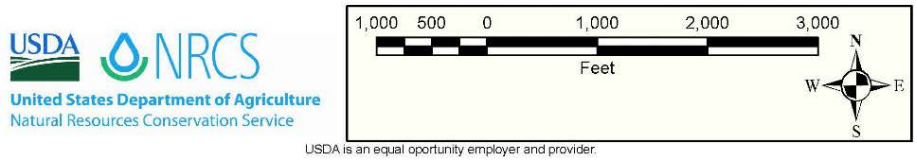


USDA NRCS
United States Department of Agriculture
Natural Resources Conservation Service

USDA is an equal oportunity employer and provider.

Highlights of Local Channel Maintenance Areas from NRCS 2010 Inspection Report for Hartford, Newington and West Hartford





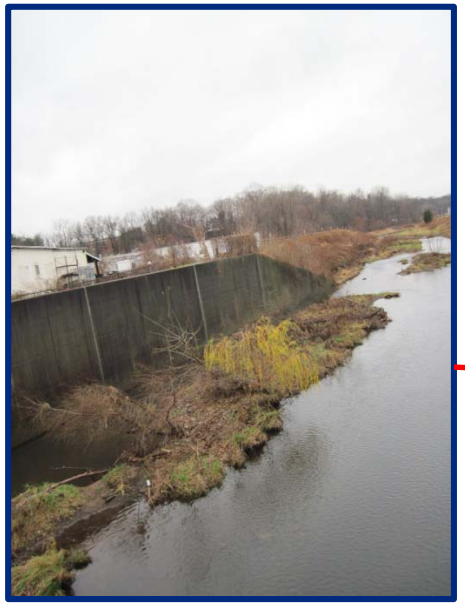
USDA NRCS
United States Department of Agriculture
Natural Resources Conservation Service

USDA is an equal oportunity employer and provider.

Remove Debris, Rockledge Brook at S. Main St. in West Hartford

Remove sediment, Rockledge Brook in West Hartford

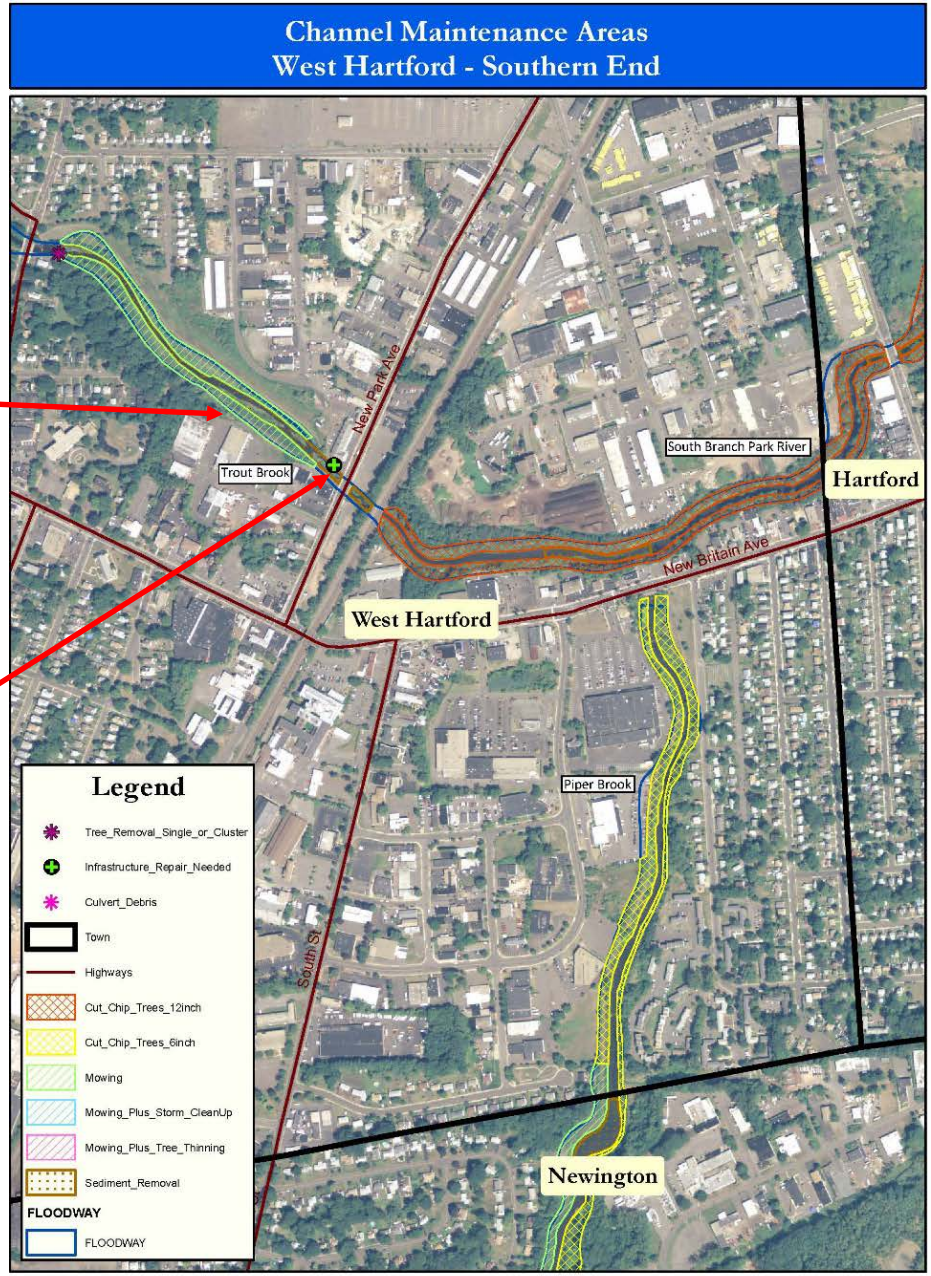
Photos Courtesy of NRCS



Remove
Sediment
Trout Brook WH

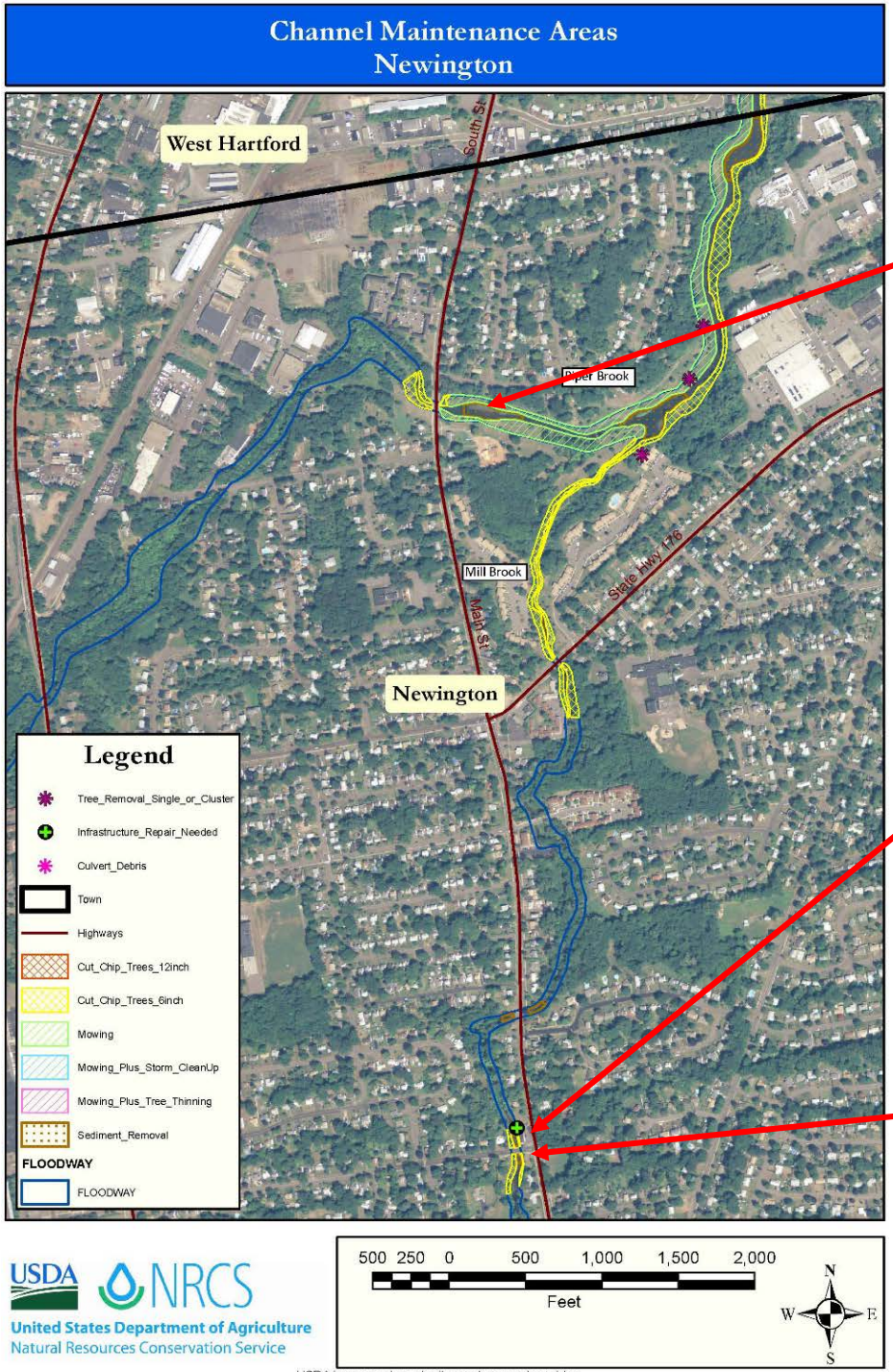
Repair Flood
Wall Cracking
Trout Brook WH

Photos Courtesy of NRCS



USDA NRCS
United States Department of Agriculture
Natural Resources Conservation Service

USDA is an equal opportunity employer and provider.



USDA NRCS
United States Department of Agriculture
Natural Resources Conservation Service

USDA is an equal opportunity employer and provider.

Remove sediment from Pond 5 in Newington

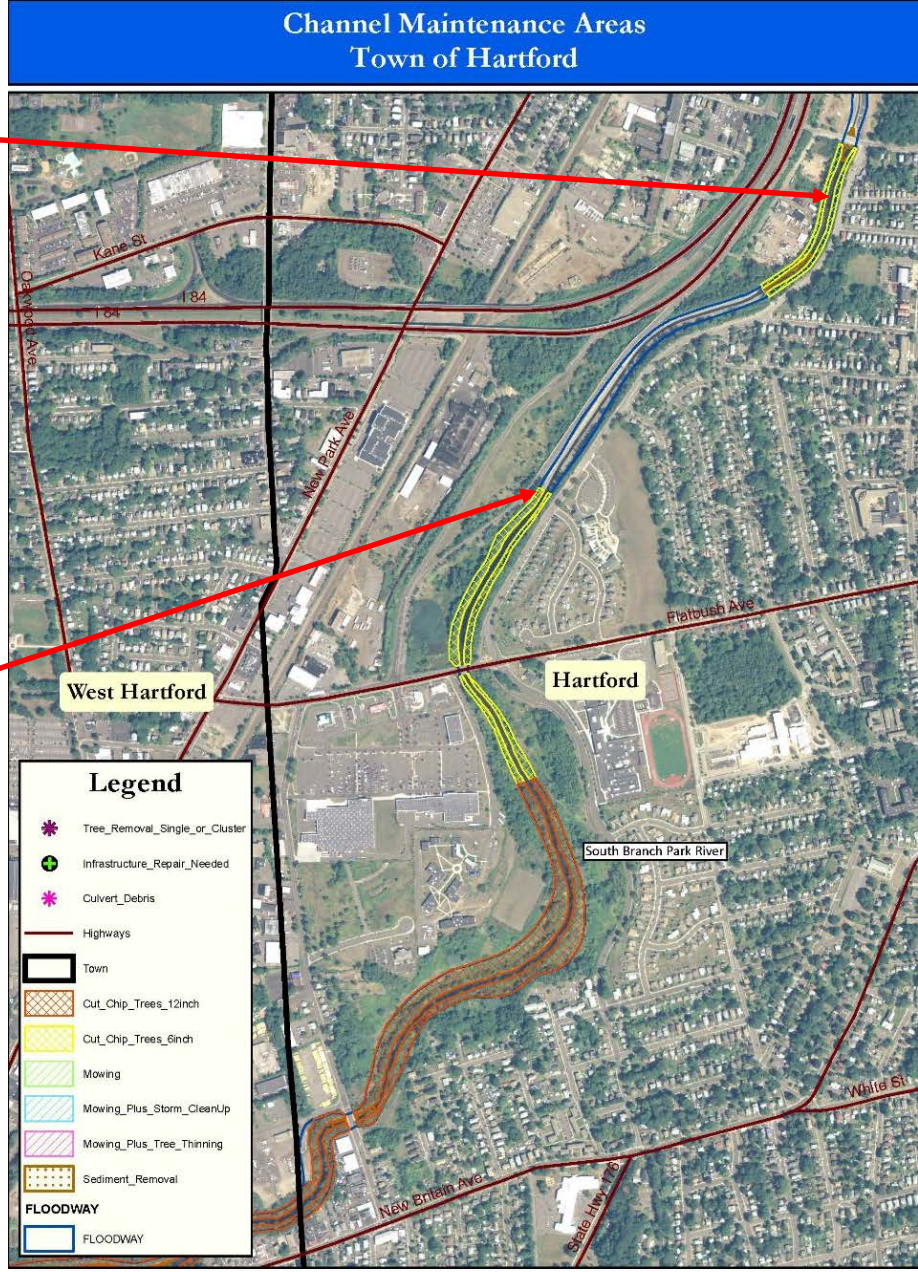
Repair damage to flood wall in Newington

Repair existing flap gates on Mill Brook in Newington

Photos Courtesy of NRCS

Sediment Along Flood Wall to be Removed
Park River in Hartford

Trapezoidal Concrete Channel Transition from Rip Rap Lined Channel - Vegetation Removal
Park River in Hartford



USDA NRCS
United States Department of Agriculture
Natural Resources Conservation Service

USDA is an equal opportunity employer and provider

Photos Courtesy of NRCS

Proposed Schedule

- 02/01/15 – Final Plans and Specifications. Permit in place.
- 02/05/15 – RFP for Construction Inspection
- March 2015 - Bid Advertisement
- April 2015 - Bid opening
- May 2015 - Contract Award, Notice to Proceed and Start of Work
- September 2015 - Final Inspection

Questions?

Daniel Biron
Senior Environmental Analyst
CTDEEP Dam Safety - Engineering Services
dan.biron@ct.gov
(860) 424-3892
http://www.ct.gov/deep/cwp/view.asp?a=2720&Q=554158&deepNav_GID=1654