

### 3. AHEAD OF THE STORM (AOTS) DEMONSTRATION SITES



Shelburne, Charlotte and Hinesburg demonstration sites showcase a variety of optimal storm water and water quality conservation practices designed for more extreme weather events, increased water quality treatment and river corridor protection. See section 6 for site information.

Treatment Area Size, Ownership, Town, Funding Source	Demonstration Site Name Watershed	Site Description/ Stormwater Problem to Address	Potential Implementation Practices
Small Scale, Public Charlotte ERP design	Charlotte Library 115 Ferry Rd., Charlotte Holmes Brook Watershed	Increased flow and inundation from impervious surfaces in hydric soil location	Rain barrels, swales, wetland enhancement, rain garden
Small Scale, Public Charlotte ERP design	Charlotte Senior Center 212 Ferry Rd., Charlotte Holmes Brook Watershed	Increased flow and inundation from impervious surfaces in hydric soil location	Rain barrels, swales, bioretention area, rain garden
Small Scale, Public Charlotte ERP design	Charlotte Park & Wildlife Refuge North Greenbush Rd., Charlotte Holmes Brook Watershed	Runoff and erosion from ditches in agriculture land use flowing toward town beach and Lake	Soft gully fixes, check dams, swales
Small Scale, Private Charlotte ERP design	Horsford Gardens and Nursery 2111 Greenbush Rd., Charlotte Holmes Brook Watershed	Runoff and erosion from ditches in commercial land use	Soft gully fixes, check dams, swales, rain garden
Large Scale, Public Charlotte ERP design	Charlotte Congregational Church 403 Church Hill Rd., Charlotte McCabe's/Thorp Brook Watersheds	Increased flow and erosion from impervious surfaces and steep headwater slopes	Rain garden, swales, wetland enhancement
Large Scale, Private Charlotte ERP design	Big Oak Lane neighborhood Big Oak Lane, Charlotte Thorp Brook Watershed	Increased flow and erosion from impervious surfaces in lacustrine soils location near stream	Swales, stormwater pond, vegetation plan, check dams, riparian buffer
Large Scale, Private Charlotte ERP design	Dubrul home 845 Greenbush Rd., Charlotte Holmes Brook Watershed	Increased flow from town ditch and high water table location	Rain garden vegetation plan, check dams, swales
Large Scale, Private Charlotte ERP design VTrans BR implementation	Mack farm and ETP Road ROW E. Thompson's Point Rd., Charlotte Thorp Brook Watershed	Increased flow and erosion from ag fields, undersized road ditch, direct discharge to Brook	Swales, right size culvert, vegetation plan, check dams, riparian buffer
Large Scale, Public Hinesburg ERP design	Hinesburg Town Garage 907 Beecher Brook Road, Hinesburg LaPlatte Watershed	Increased flow and erosion from impervious surfaces associated with Town Garage/ Gravel Pit and CSWD Drop Off Center	Vegetation plan, erosion runoff controls, Bio- Retention pond or Rain Garden.
Large Scale, Public Hinesburg ERP design	LaPlatte Headwaters Town Forest Gilman Road, Hinesburg LaPlatte Watershed	Accelerating head cut from past forest and river management practices	Professional evaluation on causes of erosion and establishment of management plan
Med Scale, Public Charlotte LCBP design	Charlotte Central School 408 Hinesburg Road McCabe's Brook Watershed	Increased flow and inundation from impervious surfaces in hydric soil location	Rain barrels, swales, wetland enhancement, rain garden
Med Scale, Public Shelburne LCBP design	Shelburne Community School 345 Harbor Road, Shelburne McCabe's Brook Watershed	Increased flow and ponding from impervious surfaces in hydric soil location at gateway to Shelburne Bay	Rain barrels, swales, wetland enhancement, rain garden
Medium Scale, Public Shelburne ERP design LCBP implementation	Sally Thomas home and Brook Lane ROW 41 Pinehurst Drive, Shelburne Munroe Brook Watershed (stormwater impaired)	Increased flows and ditch erosion from ditch network	Right size ditch, swale enhancement with vegetation and check dam
Medium-Large Scale, Public Hinesburg LCBP design	CVUHS 369 CVU Rd, Hinesburg LaPlatte/Patrick Brook Watershed	Increased flows and erosion from impervious surfaces	Swale enhancement with vegetation and check dam, bioretention area