INTEGRATED SERVICES FOR A SUSTAINABLE FUTURE

Your Partner. Nature's Steward.

ENGINEERING • DESIGN • SCIENCE • PLANNING • TRAINING • OUTREACH

Horsley Witten Group

MISSION AND VISION

Our mission is to address environmental and social challenges with sustainable solutions.

HW envisions a world where people and nature thrive together.

This brochure is printed on recycled paper.

Cover: Cam Moore

35+ Years Strong

Real Partnerships with our Clients and with Nature

At Horsley Witten Group, we develop environmental solutions that help people, businesses, and the environment flourish together. Our holistic approach to sustainable design can be both innovative and practical, always looking to make progress that makes sense. We believe in real partnerships with our clients and with nature. This type of collaboration is the common thread through our diverse portfolio of projects.

Making a Positive Impact

We are committed to teamwork, and you'll find our willingness to listen is one of our greatest assets. Incorporated in 1987, today we have 75+ dedicated staff members specializing in engineering, science, design, planning, remediation, training, and client support. With offices across New England, we are ready to help you make a positive impact.

"My passion really is creating great places - healthy places in balance with nature."

Jon Ford, P.E.
Sr. Associate, Community Design

Our People

We are an interdisciplinary team of engineers, scientists, planners, and landscape designers who are committed to sustainable environmental solutions. The success of our practice is rooted in responsiveness, innovation, and strong relationships. The ability to move across disciplines and communicate with groups from all backgrounds sets us apart.

View our video "Planning through Design" on our website: *horsleywitten.com/resource-library*

Photo: Big Tree

Civil Engineering & Survey
Construction Phase Services
Stream Restoration
Shoreline Resilience
Green Stormwater Infrastructure
Wastewater Solutions

Engineering

Do you need a more environmentally sensitive engineering solution? Looking for a one-stop shop for survey, site design, and construction administration? Need your infrastructure to be more resilient? You've come to the right place.

Our engineers understand that collaboration across disciplines is needed to address the environmental challenges we face today. Our engineering designs are grounded in science and informed by community input.

"As we look to the future, we are looking at a changing climate… At HW we can design systems that will change over time… softer systems that use plants, vegetation, and soil to manage stormwater runoff better. Green Stormwater Infrastructure – A nature-based solution, inspired by Mother Nature."

Rich Claytor, P.E.
Sr. Water Resources Engineer

LEGEND
Existing Tree Line
Canopy Tree (Approx 50)
Turf (Approx 20,000 SF)
Stormwater Treatment
Meadow or Woodland Edge Planting (Approx 15,000 SF)
Pathway
Special Pavement
Boardwalk
Column
Wall
Footprint Interpretation
Fence to protect habitat
Water Edge
Underground Water Route
Protected Habitat Zone
Shawmut Street
100' BUFFER
Property Line (Approximate)
4' Wide earthen path
Protected habitat zone
Time of year restriction
Small educational area (350 SF)
Bioretention with boardwalk crossing
Ramped boardwalk & viewing platform (175SF)
Access limited for maintenance only
Pedestrian viewing area with pavers & railings
ADA Ramp (8%)
Nature Play (900 SF)
Viewing Platform
Column & Sign
Underground Conduit for flood control
Bioswale
Granite Column
6' Wide paved path
Walls or pavement outline historic footprint
Main Park Entrance
Existing Willow, to remain
Iron Hill Street
6' Wide paved path
Three Parking space, (Two Handicap)
Connection to pedestrian bridge & Whitmans Pond
Riley Avenue

Urban Design
Landscape Architecture
Green Stormwater Infrastructure
Ecological Planning & Design
Landscape & Shoreline Restoration
Trails & Pathways
Graphic Design

Design

Does your site have sensitive environmental resources that need protection? Do you need an expert stormwater management designer? How about a complicated urban site that you're trying to redevelop?

Our landscape architecture and site design experts work closely with engineers and other professionals to minimize your project's environmental footprint. Our commitment to nature-based solutions guides our efforts to create and sustain walkable and welcoming places in balance with nature.

We work hard to protect the natural surroundings and we believe in an iterative and collaborative design process, with authentic listening, learning, and assessment as the foundation for meaningful outcomes.

OP

Woonasquatucket River Greenway Rendering

Re-wilding Chop Chaque Bog
Like many wetlands across southeastern Massachusetts, the wetlands here at Chop Chaque were covered with sand and ditched to convert them into commercial cranberry bogs in the late 1800s. Cape Cod's sandy soils, clean water, abundant wetlands, and cool climate made it ideal for cranberry farming, which was one of the most significant components of the region's economy through most of the 20th century.
By the early 21st century, Cape Cod's economy had shifted. Rising property values and global competition in the cranberry industry led to a gradual decline in the prevalence of local cranberry farming.
A FAMILY FARM
The Brackett family operated these bogs for three generations, selling their cranberries to Boston vendors at markets like Faneuil Hall, and through Cape-based distributors like Ocean Spray that helped expand growers' distribution their harvests nationwide.
Phillip Brackett, born in 1917, cared for the bogs well into the late 20th century. In a 1983 interview, he recalled maintaining old pumping and harvesting equipment and dealing with the challenges of changing times. His stories reflect the dedication and resilience of Cape Cod's cranberry farmers.
A NEW CHAPTER
Chop Chaque was actively cultivated for roughly 120 years. In 2019, following the end of active farming, the Town of Mashpee purchased the land to protect the bogs and the surrounding portion of the property as open space. The Native Land Conservancy also uses the site for native cultural practices.
Restoration meant undoing the decades of changes that farming created. Almost two feet of sand were scraped away to lower the bog surface and to fill the bogs in storage ditches. This restored the natural wetland hydrology, exposing the rich peat soils that had naturally collected over time. Native plant seeds stored in the peat layer grew again in the restored wetlands, providing valuable habitat. The restored wetlands absorb nutrients like nitrogen and phosphorus from the soil and water, helping improve water quality in Santuit Pond.
Today, the thriving wetland you see reflects what the landscape may have looked like before cranberry farming—a vibrant ecosystem that supports wildlife, filters water, and provides lasting value to the community.
"A person told me once that if you couldn't go with the changes it was time to get out. So I think this is just inevitable, that the Cape's going to change."
Phillip Brackett, Former Bog Owner
CRANBERRY PICKING IN CAPE COD, 1910 LIBRARY
GROUP OF CRANBERRY PICKERS, 1920s
PHILLIP BRACKETT ON CHOP CHAQUE, JUNE 5, 1983
SUNSET AT A FALL ON CHOP CHAQUE BOG, 2021
A VIEW OF CHOP CHAQUE BOG THROUGH TIME
PRE-COLONIAL WETLAND
This landscape was once a thriving wetland. Native plants grew and deposited peats into the peat layers of the soil. Meandering waters and shallow vegetation provided important habitat value.
1880s: AGRICULTURAL PRODUCTION BEGINS
Starting in the 1800s, many wetlands across Massachusetts were filled in with sand and ditched to grow cranberries. By 2019, one cranberry bog was no longer being harvested.
2020: WETLAND RESTORATION BEGINS
Removal of the sand layer, ditches, and other farming impacts from the bog allows the wetland landscape to re-wild. This restored wetland continues to evolve over time, providing improved habitat functions and values.
SEED BANK
HARVESTING
WETLAND RESTORATION
GERMINATED SEEDS
RE-ESTABLISHED NATIVE HABITAT
AGRICULTURAL SAND

Resource Area Delineations
Ecological Restoration
Habitat Survey, Rare Species Permitting
Hydrogeology-Water Supply Development
Water Quality Assessments
Wastewater Design
GIS Services

Science

Do you need a new a drinking water supply? Do you need an expert in rare species habitat or a wetland delineation? How are you going to get the permits you need to move forward?

Because science is involved in so much of what we do, we are prepared to overcome the common road blocks that can lead to delays and added expenses for your project. Our scientists are experienced in executing complex models and analyses to balance development and meet project goals. We are in the business of using science to complete projects that will protect and restore the natural environment.

"HW's thoughtful approach to green infrastructure design has been invaluable to RDLA. We wholeheartedly appreciate their expertise and the successful outcomes they consistently achieve.

Ray Dunetz
Principal, RDLA

Photo: Ed Wonsek

CRUZ BAY

Comprehensive Plans
Open Space & Recreation Plans
Hazard Mitigation Plans
Community Engagement
Regulatory Reform
Watershed Assessment-Planning
Climate Resilience
GIS Services

Planning

Do you need a master plan or local regulatory changes? Do you need to facilitate a public workshop? How are you going to effectively engage the public? Our planners love to communicate with, listen to, and inform the public. They can design solutions that help your community meet its goals for housing, resource protection, and long-term resiliency.

Photo: Big Tree

"Zoning can become a fun puzzle. We take a vision and unlock the potential of communities to build what they want to have!"

Jeff Davis, AICP
Sr. Planner

Photo: Big Tree

"I believe in the process of engaging the community – listening to what they have to say – and putting it all on paper whether words or drawings. This process hopefully offers inspiration and over time people move towards it"

Krista Moravec, AICP
Sr. Planner

Emergency Response Planning-Water Sector
ICS Training-Water Sector
Cybersecurity Assessment
Hazard Mitigation
Custom Technical Trainings

Training

Do you need to integrate science and policy? Do you need a climate resiliency and adaptation expert? Are you looking for technical training for drinking water and wastewater operators or training related to stormwater maintenance?

We provide a variety of specialized workshops for diverse audiences. Our experts will work with you to develop and facilitate an event that meets your unique objectives and helps you design a roadmap for future success. By working closely with clients and response partners, the plans, policies, and procedures that emerge from our training sessions will prepare agencies for both natural and man-made disasters.

"The workshop went so smooth and a big part of that is the HW team. Thank you to everyone for all of your hard work. On behalf of EPA, I appreciate the opportunity to have you involved in our projects."

Chrissy Dangel
Environmental Scientist, U.S. EPA

3:00 PM Mond
The Brewster Fire Department responded to a fire at Cape Cod Truck on Route 6A near the Orlea town line. The fire engulfed the building and several vehicles.
Brewster firefighters utilized additional water from an Orleans engine, as well as fire suppressant foam to put out the vehicle fire.
BREWSTER
FIRE • RESCUE

Public Forums
Community Engagement
Meeting Facilitation
Volunteering
ArcGIS Storymaps
Graphic & Web Services

Outreach

Do you want to engage a larger and more diverse audience? Are you worried about how to convey your ideas to the public? Do you need help with public process design or meeting facilitation?

Our public engagement professionals know how to harness the power of social media and project websites while managing public discourse and building consensus. Our graphic designers and marketing staff work hand-in-hand with our community planners to produce materials that translate technical issues into accessible ideas. We also develop layout and design for reports, journals, educational materials, displays, and signage.

Photo: CRWA

RAZORBACK

MAUI
BREWING CO

Watershed Resilience
Green Stormwater Infrastructure
Stormwater & Wastewater Management
Community Planning & Equity
Emergency Response Plans
ArcGIS Storymaps
Training

Pacific & Caribbean Island Water Resource Services

Are you looking for technical assistance to restore watershed function, inspire green infrastructure, and improve community resilience? We collaborate with agencies, utilities, and island organizations on land-based activities that complement coral reef, mangrove, and seagrass restoration efforts.

Need a watershed or land use management plan, environmental site assessment, or better drainage infrastructure? We can help. Our team works in the U.S. Virgin Islands, Puerto Rico, Florida, Hawaii, CNMI, Guam, American Samoa, and internationally.

"What excites me the most, when I look at our portfolio, is the breadth of the projects… the talent, and our inspiring body of work. Our people are amazing."

Nathan Kelly, AICP
President

Photo: Big Tree

Photo: Ed Wonsek

HORSLEY WITTEN GROUP

Sustainable Environmental Solutions

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