



**BRANDYWINE
CONSERVANCY**

EAST MARLBOROUGH TOWNSHIP:

OPEN SPACE, RECREATION AND ENVIRONMENTAL RESOURCES PLAN: TEAM PROPOSAL

February 15, 2019

**PREPARED BY:
BRANDYWINE CONSERVANCY**

**IN ASSOCIATION WITH:
ALTA PLANNING + DESIGN**



**BRANDYWINE
CONSERVANCY**

*Preserving Our
Land & Water*

February 15, 2019

Laurie Prysock, Manager
East Marlborough Township
721 Unionville Road
Kennett Square, PA 19348

Dear Ms. Prysock:

On behalf of the Brandywine Conservancy team, I am pleased to submit a proposal for consulting services to prepare a comprehensive Open Space, Recreation and Environmental Resources Plan (Update) for East Marlborough Township. Our team, consisting of the Brandywine Conservancy and Alta Planning + Design, is very excited about this opportunity to work with your municipality to help achieve the actionable goals (agricultural and open space preservation, parks & recreation, etc.) outlined in the 2011 Unionville Area Regional Comprehensive Plan.

The Brandywine Conservancy is recognized nationally as a leader in open space planning and land preservation, and for over 50 years has helped numerous municipalities in western Chester County identify, finance, and implement their land preservation goals. Since 1996, Alta Planning + Design has been working hand-in-hand with communities across the country to plan for recreation and trails. Alta carefully creates workable solutions for recreation and their work reflects each community's unique character. Together, we are a formidable team that is uniquely positioned to provide a diversity of practical knowledge in agricultural and open space prioritization and preservation, natural and cultural resource protection, and park and trails planning utilizing Certified Park and Recreation Professionals.

We hope that we will have this opportunity to work with you, the Plan Advisory Committee, the Board of Supervisors, and the recently-appointed Environmental Advisory Committee to develop a plan that is publicly supported, specific, and implementable. Please contact Sheila Fleming at 610-388-8317 if you have any questions.

Sincerely,


Ellen Ferretti, Director


Sheila Fleming, ASLA, Manager

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PROJECT APPROACH

Land and water are inextricably linked—land relies on water to be fertile and productive while water relies on a stable, verdant landscape to support water quality. Preserving open space not only protects our most important natural and agricultural lands but is also key to protecting and enhancing water quantity and quality in our many streams and aquifers. Especially in Chester County, land preservation has played an important role in defining the livability of our communities, the quality of life enjoyed by our residents, and major economic investments for prosperity.

Trails and greenways are the connective fibers that strengthen and reinforce the fabric of communities. Recreational amenities are far more than just play areas for kids. Our project team recognizes the critical need for all people to be able to get outdoors, experience nature, fill their lungs with clean air, socialize with the community, and be inspired by new, healthy opportunities. A fully realized network of public recreation assets linked by trails and greenways gives residents the opportunity to leave their cars at home and walk or ride from their front door to the nearest public park, farmers market, grocery store, or workplace. Well-maintained parks, trails, and open spaces have been proven to increase real estate values, attract employers, and improve the health of the local population. For these reasons, our project team understands that open space, greenways, and parks are far more than a casual luxury for kids; these assets are critical to the long-term sustainability of a community.

The key to a successful Open Space, Recreation and Environmental Resources Plan is a simple but straightforward planning process that excites local residents and others as to future open space and recreational opportunities. The Brandywine Conservancy/Alta team will guide East Marlborough Township through a 13-month community planning effort with ample opportunities for public input. Our measure of a successful outcome is an adopted plan embraced by residents and businesses, and containing realistic, implementable goals, objectives and strategies.

TASK 1 PROJECT MANAGEMENT

The Conservancy/Alta team proposes an efficient schedule of tasks (see Project Timeline, page 8). During the first Plan Advisory Committee (PAC) meeting, this schedule of tasks,



Pennsylvania Natural Heritage Areas will be an important component of the existing conditions inventory.

milestones, and target completion dates will be refined with specific dates including a detailed schedule of PAC meetings and public meetings.

The Conservancy's Principal-in-Charge will work closely with the Township Manager or her designee to see that the project is completed in the most efficient and cost-effective manner possible and that the Chester County Vision Partnership Program grant requirements will be satisfied.

The Conservancy will monitor project progress and will submit monthly status reports and invoices to East Marlborough Township, with a copy of the invoice sent to the Chester County VPP grant coordinator. Monthly telephone check-ins will be scheduled with the Township Manager to review invoices and budget status.

Conservancy staff will be responsible for preparation of all meeting agendas, sign-in sheets, and meeting summaries, and for distribution of the meeting packet in advance of the PAC meeting.

Conservancy staff will assist the Township Manager with providing regular updates to the Township website regarding project progress. We will collect email addresses from attendees during the first public meeting who wish to be added to a mailing list. The Township can then use these e-mails to send out occasional emails regarding updates to the project website, including publication of draft project documents, project schedules study committee and public meeting dates, online community surveys, and other important updates. Alternatively, the project team can host a website that can be used to provide status updates, meeting dates, draft plan documents and public surveys. The Township can provide a link to this site from the Township's home page.



A field verification will focus on critical or sensitive environmental features, such as the West Branch Red Clay Creek.

TASK 2 EXISTING CONDITIONS INVENTORY AND DATA COLLECTION

A base map that illustrates existing conditions in East Marlborough Township will be presented at the first PAC meeting. A base map will be prepared showing tax parcels, state and local roads, surface water features, and Township boundaries. Overlays of the base map will show 10-foot contours, streams, parks, protected open space, undeveloped parcels, agricultural lands, roads, bus routes, sidewalks, existing and planned trails, historic/cultural features, and key destinations for walking and cycling within the municipal boundaries and beyond.

Publicly available planning, open space, and recreation-related documents which are relevant to this project will be reviewed, and major findings of this research will be shared at the first PAC meeting. Examples include: the 1993 Open Space, Recreation and Environmental Resources Plan; 2007 Unionville Bikeways project; 2011 Unionville Regional Comprehensive Plan; relevant Chester County and Delaware Valley Regional Planning Commission documents; comprehensive plans and parks, recreation, trails, and open space plans of adjoining municipalities (Newlin Township, Pocopson Township, Kennett Township, Kennett Borough, and West Marlborough Townships); and the Brandywine Creek Greenway Strategic Action Plan.

After the first PAC meeting, the Brandywine Conservancy/Alta team will utilize Geographic Information System (GIS) capabilities to document existing land uses, environmental features, cultural and historic assets, and other visible

features in the Township. A field verification will identify opportunities and physical constraints for future agricultural or other open space uses. Our verification will focus on lands with critical or sensitive environmental features, such as streams, creeks, wetlands, riparian forest buffers, woodlands, woodland interior habitat, and Pennsylvania Natural Habitat Areas. We will also confirm significant agricultural resources (areas of prime farmland soils and/or inactive agriculture), and scenic views and byways. The field visit will also verify the location and condition of existing trails and pedestrian facilities, parks, and open spaces. Emphasis will be placed on identifying natural, historic, and cultural sites that should be protected, and, in some cases, may be potential trail destinations or connections, interpretive sites, and opportunities for future recreational areas.

The results of a detailed field assessment will be presented at the second PAC meeting. A map will identify locations of indoor and outdoor recreation facilities, parks, greenways, and open space in the Township that are owned/operated by public agencies, Chadds Ford Unionville School District, major non-profits and quasi-public organizations, and major private businesses. For all public (including schools) and non-profit facilities identified on the parks and facilities location map, charts will be created that detail the facility, park, open space, greenway, or trail name, ownership, number and type of facilities, acreage, and general condition and use. This parks and trails facilities map will also include the National Recreation and Park Association (NRPA) service area.

The Conservancy/Alta team will review the existing zoning ordinance, subdivision and land development ordinance, and stormwater management ordinance to assess how natural, agricultural, and cultural resources are being protected. We will also summarize how parks, recreation, sidewalks, trails, and multimodal transportation issues are being addressed through the Township's regulatory ordinances and development review procedures. These reviews/assessments will also be summarized before the PAC at their second meeting.

TASK 3 VISION STATEMENT, GOALS AND OBJECTIVES

During the second PAC meeting, the Conservancy/Alta team will work closely with the committee to prepare draft mission and vision statements, and goals and objectives for the new Plan. These will be developed based on review and renewal of the goals and objectives set forth in 1993 Open

Space, Recreation and Environmental Resources Plan (and described in the Request for Proposals), 2007 Unionville Bikeways project, 2011 Unionville Regional Comprehensive Plan, and other planning documents, as appropriate. The mission, vision, goals, and objectives will be expanded or refined based on PAC input. Once these are drafted with the PAC, they can be presented to the Board of Supervisors for feedback prior to being presented at the first public meeting (Month 4).

TASK 4 PLAN FOR OPEN SPACE PRESERVATION

The Brandywine Conservancy will lead the open space planning process. At the second PAC meeting, we will present maps showing preserved lands (through private conservation easement, deed restricted through Homeowners Associations, agricultural easements with the Chester County Agricultural Land Preservation Board), lands owned by public school districts, lands that are owned by non-profit land trusts, and lands that are owned by municipal, county, state, or federal agencies. We will promote open discussion regarding opportunities for protecting additional open space in East Marlborough Township. We will examine the potential impacts of land preservation on adjacent landowners and land uses by soliciting landowner feedback.

During the second PAC meeting, the Conservancy will also begin a conversation regarding evaluation criteria for selecting future open space preservation candidates. Our team of planners will work closely with the East Marlborough Township Environmental Advisory Council (EAC) to prepare a list of potential criteria by which to evaluate natural, cultural, and agricultural lands for preservation.

At the third PAC meeting, the EAC will be invited to participate in a joint discussion with the PAC on weighting metrics for preservation criteria. For example, factors such as parcel location, adjacency to other protected lands, parcel size, parcel location, habitat value, presence of surface water, and percentage of prime agricultural soils can be given higher or lower weighting to calculate which parcels are the highest priority for preservation. Other factors, such as potential funding source, will also be considered. The Conservancy will demonstrate how increasing or decreasing each factor's weighting will impact how parcels are ranked on a "priority lands for preservation" map. The EAC and PAC will jointly determine a suitable rating system for targeted preservation properties larger than 10 acres. There could be more than one rating system to identify priority lands based on

agricultural, natural, or other resources, then a composite map can be created. This is the approach the Conservancy used successfully in Honey Brook Township where farmlands have different prioritization criteria than natural lands due to funding sources. The agreed-upon rating system will be presented at the fourth PAC meeting using the "Priority lands for preservation" map. The Conservancy will host a tour of priority lands for preservation in the weeks following to help the PAC and the EAC verify that the proposed system suits the preservation goals of the township.

If the model needs adjustment, the Conservancy will re-run the model with revised weighting and present the new model at the fifth PAC meeting. The final model as determined by the EAC and the PAC, with input from Conservancy planners, will be presented at the second public meeting as a component of the Draft Report. Based upon public comments received during the second public meeting, the Plan for Open Space can be modified for the Final Report as deemed appropriate by the EAC and the PAC.

TASK 5 PLAN FOR RECREATION FACILITIES

Also during the third PAC meeting, Alta Planning + Design will listen to the community, engage neighbors, and observe the existing recreational assets. We will invite representatives from the school districts, neighboring municipalities and other influential neighbors such as Longwood Gardens to attend the meeting or to provide input on the planning process. We propose to use the NRPA Parks Metrics analysis tools to rank East Marlborough's assets with other similar communities. These initial comparisons will be discussed during the PAC meeting.



NRPA Parks Metrics analysis tool will be used to rank East Marlborough Township's assets.

At the same time that we are looking for opportunities for improvements, we will also remain aware that an improvement for many may be seen as a detriment to one. While we plan, we will consider the local impacts of change to neighboring property owners. The project team will work closely with the PAC to gain community consensus, prioritize improvements, and strategize implementation of improvements. When weather conditions are favorable, we propose to hold public engagement meetings outdoors to harness the outdoors mindset.

TASK 6 PLAN FOR MULTIMODAL AND GREENWAY CONNECTIONS

Building upon previous studies for the region, the planning team will begin with current bicycle and pedestrian connections. We will consider the open space, recreation, and greenway objectives developed during this study process and will identify a hierarchy of multimodal alignments that will weave the bicycle and pedestrian network of East Marlborough into the existing and proposed networks of other nearby communities.

Alta's approach to the study of this multimodal network will be inclusive and collaborative, involving the PAC and the residents of East Marlborough. The feasibility study will provide a preferred trails and greenway network alignment, phasing plan, proposed local and regional connections, and detailed assessment of site opportunities and constraints.

The Alta team will use our vast trail design experience that spans a wide range of landscapes from urban to rural including sensitive natural resource areas, parks, rail and utility corridors, street rights-of-way, and suburban and industrial settings. Over the years, our design team has employed a well-developed set of tested design criteria that create trails as "place". We fully intend to apply these learned design criteria to the multimodal and greenway network design for East Marlborough Township.

TASK 7 PLAN FOR EXISTING OPEN SPACE

After analyzing existing recreation within the Township and identifying recreation needs during Task 5, Alta will review the 26-acre parcel on Unionville Road to develop a concept plan for future implementation. Utilizing base information provided by the Township, and other publicly available information such as parcel data, Lidar topography and aerial photographs, we will develop a CAD base map, identify site opportunities and constraints, and analyze opportunities for recreation and preservation.



A hierarchy of multimodal alignments will weave together an inter-connected bicycle and pedestrian network.

During earlier phases of this project, the project team will have identified unmet recreation needs in the Township and collaborated with the community for input specifically for this site. Whenever possible, public meetings will take place outdoors to derive inspiration for the Township-wide plan. This site will provide an ideal opportunity for PAC meeting 4 to be in the form of an outdoor public meeting. While on site, we will engage with neighboring property owners and residents to identify opportunities for the concept plan of this new public park.

The concept plan will include greenway and trail connections, recreation recommendations, areas for natural feature preservation and enhancement, passive trail recommendations and safe road crossings where appropriate. The concept plan will identify opportunities to take advantage of the remaining nursery plantings, with tree rows forming interesting Allées that can guide views and experiences of the park user. The park will be designed to offer walking access not only to the residents of the new residential subdivision across from Unionville Road, but also to residents who walk, bike or drive to the site.

TASK 8 ORGANIZATION, MANAGEMENT AND FINANCING

With career experience as a Parks and Recreation Director in Cheltenham Township, Montgomery County, John Hoover, CPRP will lead the team to analyze the existing organization, management and financing of the Township's parks and recreation system. John will make recommendations for efficiency, enhanced service, and program improvements that are aimed to benefit the Township's park patrons and

the park infrastructure. Creative financing, grant opportunities, collaboration with nearby municipalities, and analysis of revenue-neutral program opportunities will be included in the recommendations of the plan. The project team will identify opportunities for parks and recreation staffing and maintenance improvements based on past experience and information gathered during the Parks Metrics analysis. Along with recommendations for parks and recreation improvements, the design team will include complimentary recommendations to fund these initiatives, where applicable.

TASK 9 PHASED IMPLEMENTATION PLAN

The Conservancy/Alta team will summarize the various recommendations and outcomes from Tasks 4-8 and prepare a Phased Implementation Plan that will provide the Township with guidance to implement the recommendations. The recommendations will be prioritized as specific short-term, medium-term, and longer-term actions including estimated costs, potential funding opportunities, and key partnerships. The recommendations will be divided and prioritized between operating-related recommendations and capital improvements.

The Conservancy/Alta team has extensive experience in municipal plan development and implementation and believes that an implementation matrix with a manageable number of achievable action items is far more likely to be implemented when compared to a laundry list of tasks without any measure of priority. In addition to estimated costs of easements or purchase of preserved land, the Phased Implementation Plan will include a discussion of trail-related opportunities such as trail easements, lease agreements, and fee interest ownership of land for recreational use. The Conservancy/Alta team will identify generally accepted, high level estimated costs of open space planning, trail planning, easement/lease agreement, and trail



The phased implementation plan will identify a procedure for planning and budgeting park and recreation improvements and maintenance.

development and amenities, similar to those included in the East Bradford Township Open Space Plan.

The Phased Implementation Plan will provide a discussion of anticipated maintenance costs, staffing, and specialized land management needs. We will work with the PAC to identify a Township procedure for planning and budgeting park and recreation improvements and associated programming.

The Phased Implementation Plan will outline a process for managing and funding ongoing operations, maintenance, personnel, and administration of park and recreation facilities. It will also identify actions, roles and responsibilities, schedules, costs and potential funding sources.

TASK 10 PUBLIC PARTICIPATION

Plan Advisory Committee (PAC)

The PAC meetings will be facilitated by the Conservancy/Alta team through six scheduled meetings and a seventh optional meeting. Members of the PAC will be encouraged to attend and participate in three public informational meetings, particularly in relation to recreation needs (Public Meeting #1). We assume that all PAC meetings will be advertised and made open to the public. The Conservancy/Alta team will facilitate the PAC meetings, and a more detailed schedule of tasks and meeting dates will be prepared and reviewed at the first PAC meeting to confirm the planning process and timeline. Generally, the seven meetings are proposed as follows:

PAC Meeting #1: Project kick-off, meet the consultant team; review project scope and timeline; identify future study committee meeting dates and public meeting dates; review and provide input to proposed key project milestones; identify key stakeholders to be interviewed; discuss the general content of the citizen survey.

PAC Meeting #2: Review inventory maps and field assessments; review draft vision, goals and objectives; review potential evaluation criteria; discuss demand for trails and multimodal paths; review and approve list of key stakeholder interviews; review and finalize the online community survey questions; schedule the open space and recreation tour; discuss the format for the first public meeting.

PAC Meeting #3: Review input from first public meeting; review on-line survey results; review summary of key person interviews; review and finalize mission statement, goals and objectives; review parks, recreation, and open space analyses; engage with representatives from

neighboring municipalities and School Districts regarding trail connections.

PAC Meeting #4: Review of draft conceptual master plan for the 26-acre parcel that is to be dedicated to East Marlborough Township; discussion of criteria to prioritize parcels for open space preservation; review of plan for recreation facilities; review of plan for multimodal and greenway connections; review recommendations to be incorporated into the draft plan. This meeting can be held before or on the same day as the open space and recreation tour.

PAC Meeting #5: Prioritize properties for acquisition, protection, or development; discuss organization, management, and financing strategies; discuss implementation strategies; finalize recommendations for draft report.

PAC Meeting #6: Review the draft report including a phased implementation plan and matrix; recommend for presentation at the second public meeting.

PAC Meeting #7: Optional; present the final report prior to its formal adoption at a public meeting.

Stakeholder Interviews

The Conservancy/Alta team will measure the current needs of the East Marlborough community regarding parks, recreation, and open space needs, concerns, and desires. This will be done partially through key stakeholder interviews conducted by the Conservancy/Alta team. The Brandywine Conservancy recently completed a stakeholder interview process for Chadds Ford Township, Delaware County, as part of their Open Space, Recreation, and Trails Plan update process. For East Marlborough Township, the Conservancy/Alta team will solicit a list of at least ten stakeholder names from the PAC which represent a diverse cross-section of the residential, institutional, government, and business sectors. Once all interviews are completed, written summaries of each will be made available to the Study Committee at the third PAC meeting.

Community Survey

The Conservancy/Alta team will develop a short community survey that explores residents' desires and concerns regarding trails, open space, recreational facilities, and programming. Brandywine Conservancy recently worked with London Britain Township to conduct a highly successful (28 percent response rate) mail out survey to residents regarding that Township's ongoing comprehensive plan



Six Plan Advisory Committee meetings and three public meetings will be facilitated.

update effort. We also recently assisted Chadds Ford Township with an online-only survey for its Open Space Plan Update. The survey to be developed for East Marlborough Township can be conducted online or by mail and can be promoted by the Township prior to and during its release through the project website to see to a good response rate. Distribution of the mail-out survey to Township property owners will be the responsibility of the Township. Results of either online or mailed surveys will be tabulated by the Conservancy/Alta team and conclusions will be reported at the third PAC meeting.

Open Space and Recreation Tour

The Brandywine Conservancy/Alta team has had great success in coordinating hosted tours of key assets of a municipality or region as an important initial step of a major planning effort. Brandywine Conservancy conducted a successful township tour as part of Chadds Ford's Open Space update and conducted a tour of a township in Northampton County as part of a visioning exercise prior to updating their municipal zoning ordinance. Using a bus tour is a good way to stimulate conversation about key focus areas and issues between the project consultants, municipal representatives, and PAC members.

Our team will organize and host an open space and recreation tour specifically designed to explore open spaces and special places in East Marlborough Township shortly after the fourth PAC meeting. We will draw upon the local knowledge of the PAC to plan and narrate the tour and the focus will include recommended features of the plans for open space, recreation facilities, trails, and greenways. Likely stops will include Unionville Community Park, village of Unionville, Marlborough Village, Unionville Elementary

School, Unionville High School and Patton Middle School complex, Unionville Recreation Association ball fields, open lands west of Longwood Gardens, agricultural and natural lands west of Wollaston and N. Mill Road, and 26 acres proposed to be dedicated to the Township on the east side of Route 82 just south of Willowdale Town Center. The excursion will be hosted by Conservancy staff and will be designed for PAC members, East Marlborough Township Board and Commission members, Township staff, and Chester County representatives.

Public Meetings

We propose that three public meetings be held in order to allow sufficient opportunity for public comment and feedback. It will be critical for the success of this Plan to engage the public during its development, including obtaining constructive input from township residents, businesses, and others. This input will be collected through three well-advertised public meetings facilitated by the Conservancy/Alta team. These meetings will be designed to clearly articulate complex and often controversial project information, encourage constructive input, respond to audience questions, and help to satisfy expressed concerns. The three public input meetings are proposed as follows:

Public Meeting #1: The first public meeting (Month 4) is proposed early in the planning process following PAC Meeting #2. At the first public meeting the Conservancy/Alta team will present the existing conditions inventory, data collection, and draft vision, goals, and objectives. The public will also be invited to provide input regarding the plan for open space preservation, recreation facilities, multimodal and greenway corridors, and opportunities for existing municipal lands through a hands-on public engagement community design session.

Public Meeting #2: The second public meeting (Month 10) is proposed during the same month as PAC Meeting #6 and after the draft report is complete. The Conservancy/Alta team will present the draft report and will invite comments, questions, and suggestions that will be taken into consideration by the PAC for incorporation into the final plan.

Public Meeting #3: The purpose of the third public meeting (Month 13) is to present all components of the final plan in a public open house format; the Conservancy/Alta team will present the final plan at a public hearing pursuant to the requirements in the Pennsylvania Municipalities Planning Code.

Other Public Meetings: The Conservancy/Alta team will present the final plan at one public meeting in Newlin Township and one public meeting in West Marlborough Township.

PRODUCTS

The Conservancy/Alta team will produce a Draft Plan and a final Open Space, Recreation and Environmental Resources Plan (Final Plan) including text, photographs, maps, charts, and figures (printed and electronic versions). Also produced by our team will be a conceptual master plan for the 26-acre parcel to be conveyed to the Township, and a complete set of full-size maps suitable for display. Alta's creative design and marketing team will produce a Final Plan that will be graphically appealing, easy to read, and of professional quality. The plan will be bound and organized in separate labeled sections including introduction, inventory and analysis of existing conditions, public participation, mission, vision, goals, recommendations, and implementation plan. The Final Plan will be designed as an amendment to the East Marlborough Township comprehensive plan. An electronic file of the Draft Plan will be provided to the Township for PAC and public review. We will provide the Township with ten hard copies and one compact disc with a PDF of the Final Plan.

WORK SCHEDULE

Our proposed timeline involves 13 months, culminating in Board of Supervisors adoption of the Plan.

COST

Our cost to complete the tasks and deliverables described above is \$49,984. See table below showing our compensation summary, hourly rates, and all other applicable fees and expenses. See also table below that lists the anticipated cost and timeframe for each project task.



Draft and final plans will be designed as an amendment to the township comprehensive plan.

CONSULTANT QUALIFICATIONS AND EXPERIENCE

EAST BRADFORD TOWNSHIP OPEN SPACE PLAN, PA

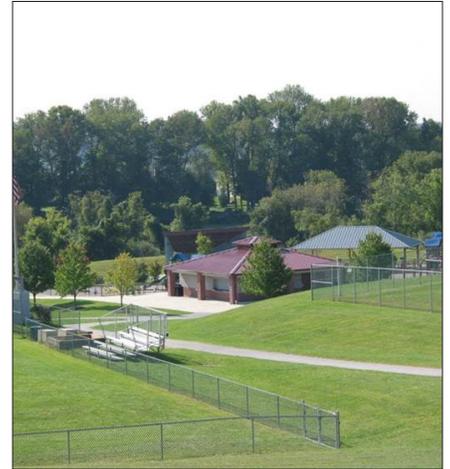


Goal: To prepare the East Bradford Township Open Space, Recreation & Environmental Resources Plan as an update to the Township’s 1993 Plan to guide Township policy and action to preserve open space resources.

Result: Priority parcels were identified on the basis of a comprehensive evaluation of natural and cultural resource values and community planning objectives. Each priority parcel was scored and ranked relative to 22 factors. Trails and Greenways maps were developed through analysis of natural resources and existing corridor planning efforts. The Township has targeted the Brandywine corridor for acquisition of open space, conservation easements and trails, along with connections to residential neighborhoods. As a result of this and earlier planning efforts, East Bradford has over 30 miles of trails and 40 percent of its land mass subject to conservation interests. An additional 25 percent is regulated to prevent inappropriate development through environmental provisions in the Township zoning and subdivision ordinances.

Client: East Bradford Township

Contact: Mandie Cantlin, Manager
(610) 436-5108 EXT. 102
mcantlin@eastbradford.org



HONEY BROOK TOWNSHIP LAND PRESERVATION PLAN, PA

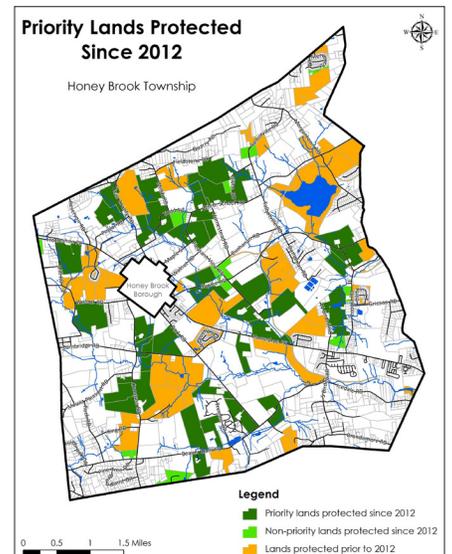


Goal: To prepare an update for the 2012 Land Preservation Plan to continue to guide the efforts of land preservation throughout the Township. The Plan is a direct outgrowth of previously adopted Comprehensive Plans, including the recently adopted Multi-Municipal Comprehensive Plan for Honey Brook Borough and Honey Brook Township that encourages agricultural and open space preservation while allowing for development in and around the Borough and other designated growth areas.

Results: Priority parcels for protection were identified on the basis of a comprehensive evaluation of agricultural and natural resource values. To date, over 5,000 acres or roughly 32 percent of the Township’s total acreage have been preserved. Of these, nearly 2,500 acres (which represents 15.5 percent of the Township and 48 percent of the preserved lands) have been protected since the last Land Preservation Plan was written in 2012. For every dollar that has been generated through the Earned Income Tax for Open Space since 2006, more than \$2 has been leveraged from other sources. In addition, land preservation efforts have garnered additional funds for the installation of Best Management Practices on preserved farms.

Client: Honey Brook Township

Contact: Steve Landes, Manager
(610) 273-3970
manager@honeybrooktwp.org



CHADDS FORD TOWNSHIP OPEN SPACE PLAN, PA



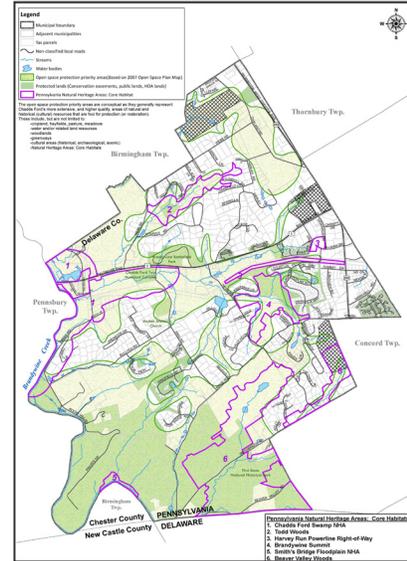
Goal: The 2018 Open Space Update for Chadds Ford Township provides a 10-year blueprint for parks, recreation, and trails. The 2018 Open Space Update adds to the 2007 Chadds Ford Open Space Plan which serves as a 20-year blueprint for the protection, management, and use of Chadds Ford’s most important natural and cultural resources. Resources are exemplified by, among others, the Township’s farm fields, meadows, woods, stream valleys and other water resources, and historic sites and structures.

Client: Chadds Ford Township

Contact: Maryann Furlong, Interim Manager

(610) 388-8800, EXT. 106
sec@chaddsfordpa.gov

Results: Although the purpose of the 2018 Open Space Update is not to prioritize lands for open space preservation, the community survey made it clear that residents consider the preservation of the rural character of the Township to be their highest priority. The formation of an Open Space Committee, the adoption of an open space tax in 2006, and the adoption of the 2007 Open Space Plan were necessary steps but are only the beginning of a long process to preserve significant and meaningful open space in Chadds Ford. Several actions can be taken to advance the Township’s open space preservation program based upon information gathered through the community survey, key person interviews, input from the Open Space Committee, and input from the 2018 plan update Task Force.



BRANDYWINE CREEK GREENWAY, PA



Goal: To develop a 40-mile long interconnected system of conservation lands, parks, river access points, riparian buffers, trails, and informal paths that will span 27 municipalities along both branches of the Brandywine from the City of Wilmington in Delaware to Honey Brook Township and the Pennsylvania Highlands Greenway.

Results: The Greenway will be dedicated to conserving natural and cultural resources, helping people connect to the Brandywine, and building healthy and sustainable communities. The Brandywine Creek Greenway Concept Plan and Strategic Action Plan will unite 27 partnering municipalities in Delaware and Pennsylvania with a common vision and a coordinated approach for land and water conservation and recreation within the Brandywine Creek corridor.

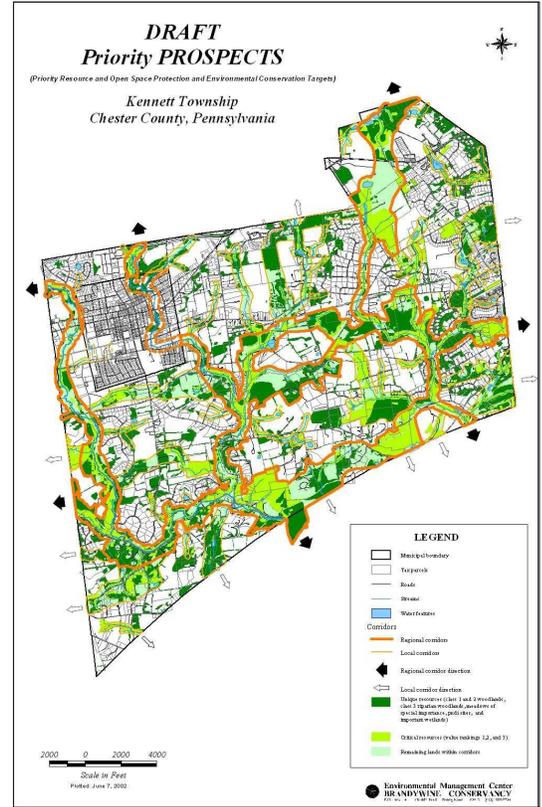


KENNETT TOWNSHIP RESOURCE PRIORITIZATION, PA



Goal: To identify, map, analyze, and evaluate priority natural and cultural resources of Kennett Township so as to more effectively conserve, protect, and, where appropriate, restore those resources.

Result: The Resource Prioritization Committee enlisted the planning and mapping services of the Brandywine Conservancy to help. With significant committee and other township input, the Conservancy identified 17 priority resources and categorized them into land, water, biological, and cultural/ historic types. Then relevant scientific information about these resources was assembled and displayed in a series of maps. The resources were then “weighted” by the committee to identify which were more and which were less critical. A new set of maps was created that depicted this new weighting, displaying the relative value of different areas of the Township by the number and type of overlapping resources found there. These four maps were then superimposed on each other to produce one composite weighted map of resource priority areas.



KENNETT ACTIVE TRANSPORTATION PLAN, KENNETT SQUARE, PA



Alta is developing an Active Transportation for Kennett Township, a rural area in southeast Pennsylvania. The plan is part of Kennett’s effort to achieve their goal of being a pilot project for rural active transportation design. Alta has been working with the community to determine the highest need and highest potential areas to introduce multimodal elements throughout the Township. The community is gaining momentum to apply for bicycle friendly status and completed the first Alta recommendation at the kickoff meeting by establishing a local advocacy group, Bike Kennett. Alta is developing a network of bicycle, pedestrian, and transit access facilities that will connect key destinations throughout the community. Alta is also working with the Township to develop grant applications to assist in the construction of several trails and on-road facilities that were identified in the draft network.

Client: Kennett Township

Dates: 2015-Ongoing

Contact: Michael Guttman
(302) 383-1184
mkg149@gmail.com

Award: Transportation Management Association of Chester County Community Connectivity Award, 2017



LANCASTER ACTIVE TRANSPORTATION PLAN, LANCASTER, PA



Alta is working with Lancaster City, the Lancaster Inter-Municipal Committee, and Lancaster County to develop an Active Transportation Plan for the Lancaster area of Pennsylvania. This project centers around four focus areas of different scales—a bicycle network for the city, two greenway feasibility studies within the City, a trail feasibility study for the regional Lancaster Heritage Pathway, and active transportation strategies for the overall County. Alta will develop these projects simultaneously, to create a cohesive plan that covers the transects from the urban core to the rural rolling hills. The process involves a multifaceted public input process including outreach events, focus groups, surveys, a website, Wiki Map, and a large Kick Off Active Transportation Festival. When complete, the plan will provide clear action steps for changing cultural locally, and in the state through a combination of facilities, policies, programming, and self-evaluation.

Client: Lancaster City, the Lancaster Inter-Municipal Committee, and Lancaster County

Dates: 2016-ongoing

Contact: Michael A. Domin, AICP, Principal Planner, Lancaster County Planning Commission
(717) 299-8333
domin@co.lancaster.pa.us

Ralph M. Hutchison, Township Manager, East Lampeter Township
(717) 393-1567, EXT. 3504
rhutchison@eastlampetertownship.org



PENNSYLVANIA STATEWIDE BICYCLE AND PEDESTRIAN PLAN

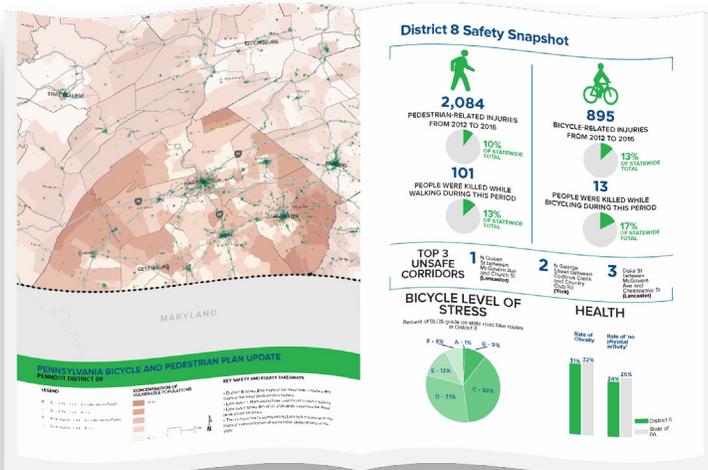


Alta is part of the team working with PennDOT to update the 2007 bicycle and pedestrian plan with a vision for the future of bicycling and walking in Pennsylvania. Important tasks include reviewing the current status of bicycling and walking in Pennsylvania, researching appropriate strategies for improvement, and outlining a strategy for implementation. The project includes a robust public engagement strategy, with multiple stakeholder meetings and regional workshops, an engaged steering committee, and interactive online resources for engagement.

Client: Pennsylvania Department of Transportation

Dates: 2017-ongoing

Contact: Roy Gothie, Statewide Bicycle and Pedestrian Coordinator, Pennsylvania Department of Transportation, Multi-Modal Division,
(717) 783-3991
rgothie@pa.gov



ADDITIONAL INFORMATION RELATING TO THE CAPABILITIES AND EXPERTISE OF THE BRANDYWINE CONSERVANCY

Selected projects are highlighted below to illustrate depth of the Brandywine Conservancy’s work experience relevant to the proposed Comprehensive Parks, Recreation and Open Space Plan Update. Each project required the preparation and presentation of information to the public, municipal clients and other interest groups. Our planners utilized their expertise in facilitation and conflict resolution during hundreds of public workshops, presentations, and public meetings. The Conservancy staff is composed of a multi-disciplinary team of planners, landscape architects, engineers, geographers, GIS specialists and land managers who understand the complexities of balancing open space conservation and recreation needs.

OPEN SPACE PLANS

Chester County: Elverson Borough, East Bradford Township, East Brandywine Township, East Nottingham Township, Franklin Township, Honey Brook Township, Oxford Borough, Pennsbury Township, Pocopson Township, Upper Uwchlan Township, Valley Township, West Brandywine Township, West Caln Township, West Nantmeal Township, Westtown Township and Willistown Township

Bucks County: Bedminster Township, Tinicum Township

Delaware County: Chadds Ford Township

TRAIL STUDIES AND PROJECTS

Chester County: Brandywine Creek Greenway Trail Planning; Northern Struble Trail Feasibility Study (funded by DCNR); Mill Trail Bicycle and Pedestrian Feasibility Plan; East-West Bicycle and Pedestrian Facilities Plan; West Vincent Multi-modal Study; Pocopson Township Community Trails Feasibility Study and Master Plan (funded by DCNR); Upper Uwchlan Township/Community-wide Trail Planning; West Hempfield Township/Community-wide Trail Planning;; City of Coatesville Riverwalk Trail Conceptual Design (funded by DCNR); Pennsbury Township Trail Studies and Planning.

Delaware County: Chadds Ford Township Harvey Run Trail; Brandywine Conservancy & Museum of Art campus trail.

COMMUNITY TRAILS HANDBOOK

The trails handbook is a hands-on, how-to guide for developing trail networks—systems of pedestrian paths and bikeways that include sidewalks, rail-trails, and greenways.

Developed with generous grants from The William Penn Foundation and Crystal Trust, this handbook provides another example of the Conservancy’s practical, multi-tiered approach to the thoughtful use of community resources.

BRANDYWINE CREEK GREENWAY

The Brandywine Conservancy is the lead organization of a multi-year regional planning initiative—the Brandywine Creek Greenway—that involves 25 municipalities along the Brandywine from Chadds Ford to Honey Brook. This project is made possible with generous support from the William Penn Foundation, Chester County, PA DCNR and others. Active trail projects that the Conservancy participates in are highlighted on the web page at <http://www.brandywine.org/conservancy/greenway/projects>.

BRANDYWINE VALLEY SCENIC BYWAY CORRIDOR MANAGEMENT PLAN

The Brandywine Conservancy was hired by the Brandywine Valley Scenic Byway Commission to complete the Corridor Management Plan partially completed by another consultant. The Conservancy and sub-consultants Carol Truppi, McMahon Associates, and Jane Dorchester worked with the Commission representing five Chester and Delaware County municipalities utilizing a limited budget to develop a final draft corridor management plan that was tailored to the unique desires of each of the represented byway municipalities.

LEAD PLANNER AND PRIMARY STAFF RESOURCES



Sheila E. Fleming, ASLA *Principal-in-Charge*



Sheila is the Manager for Municipal Assistance in the Municipal Assistance Program at the Brandywine Conservancy, and has a background in landscape architecture. She supervises two senior planners within the program and is also actively engaged in a variety of municipal land planning and design projects. Through her work as coordinator for the Brandywine Creek Greenway regional planning initiative, Ms. Fleming coordinates and conducts public workshops, contributes to trail feasibility studies, engages communities in open space and trail planning, and interacts with key stakeholders in 25 Chester County and Delaware County municipalities. In addition to her management of multiple Greenway planning and implementation projects, she was the primary consultant for the East Bradford Township Open Space, Recreation & Environmental Resources Plan (2009) and recently the Chadds Ford Township Open Space Update (2018).

EDUCATION

M.P.S. Ag. in Natural Resource Policy and Management, Cornell University, 1997

Bachelor of Landscape Architecture, University of Guelph, 1982

PROFESSIONAL AFFILIATIONS

Member, American Society of Landscape Architects

PROFESSIONAL HIGHLIGHTS

MANAGER FOR MUNICIPAL ASSISTANCE, 2017-
Brandywine Conservancy

SENIOR PLANNER FOR CONSERVATION DESIGN, 1999-2017
Brandywine Conservancy

GRADUATE RESEARCH, 1996-1997
Cornell University, Ithaca, NY

RESOURCE IMPACT COORDINATOR, 1995
Ontario Ministry of Natural Resources, Canada

BRANDYWINE CONSERVANCY

The Brandywine Conservancy conserves and protects the land, water, natural and cultural resources of the Brandywine-Christina watershed. This mission is founded on a belief that a healthy and secure natural environment is essential to meet the needs and aspirations of present and future generations. To accomplish its mission the Conservancy works with individuals, municipal governments, county and state government agencies, and private organizations to:



- Permanently protect and conserve land and water, including natural, cultural and scenic resources;
- Create and strengthen municipal and county plans and regulations that support resource conservation;
- Improve site planning and design to support resource conservation in land development projects;

- Conduct research and analyses of approaches to planning and to conservation of natural and cultural resources;
- Enhance awareness and knowledge of conservation approaches within the Brandywine River watershed and beyond.

At the heart of the Conservancy’s mission is an understanding that land use patterns and ecological integrity are inextricably linked. The integrity of our landscapes and our communities can be positively influenced when approached with the most creative planning techniques. Our planners understand that facilitating public access to natural areas creates a greater constituency for land conservation. Accordingly, the Conservancy is constantly engaged in comprehensive land planning and conservation, and has extensive experience in the preparation of comprehensive parks, recreation and open space plans. The Brandywine

Conservancy has five decades of experience assisting local governments and others through its Municipal Assistance Program with comprehensive and strategic planning, growth management, environmental protection, resource inventory and assessment, trail planning, and historic preservation. Our staff has worked in municipalities across Pennsylvania and in other states although the primary focus is within southeastern Pennsylvania and northern Delaware.

As it relates to the East Marlborough Township Open Space, Recreation and Environmental Resources Plan, the Conservancy offers many years of expertise:

- Experience in protecting natural (soils, riparian buffers, wetlands) and cultural (scenic and historic) resources through innovative ordinances
- Demonstrated success in southeastern Pennsylvania and Delaware with open space planning and prioritization, land preservation, and agricultural best management practices
- Documented experience in public participation techniques (study committee meetings, public meeting facilitation, key person interviews, citizen surveys, field tours)
- Experience with planning, design, general operation, and maintenance of recreation and park areas and facilities
- Experience setting goals, analyzing problems, generating alternative solutions, providing recommendations and implementation strategies

ALTA PLANNING + DESIGN

Alta's mission is to create active communities.

Alta Planning + Design is North America's leading multimodal transportation firm that specializes in the planning, design, and implementation of bicycle, pedestrian, park, and trail corridors and systems. Founded in 1996, Alta has more than 200 staff in 30 offices across North America and an international workload. On any given day, most staff walk, bike, or take transit to work. They are committed to transforming communities, one trip at a time, one step at a time, and one street, intersection, and park at a time.

Experience

They have experience working in all size communities, from a few thousand to millions, from rural to mountain and desert to suburban and urbanized areas. We strive to tailor each project to the community's unique setting, history, and

culture through an active public participation process. Alta staff are proud to have designed and implemented over 9,000 miles of bikeways, walkways, and trails.

Dedication

Alta staff are at the forefront of the sustainable transportation movement. They are active in the Association of Pedestrian and Bicycle Professional (APBP), the Institute of Transportation Engineers, the Transportation Research Board, the Complete Streets Coalition, and have conducted national studies for the U.S. Department of Transportation. Alta is proud to be a co-author of the NACTO *Urban Bikeway Design Guide*, and a founder of the Initiative for Bicycle & Pedestrian Innovation at Portland State University.

OUR TEAM

Sheila E. Fleming, ASLA, Manager for the Municipal Assistance Program (MAP), will be the Principal-in-Charge. She will serve as the liaison to the Township and the Plan Advisory Committee and will be responsible for overall project management. Sheila will facilitate the Plan Advisory Committee meetings and public meetings and will coordinate with the Chester County Planning Commission to identify meeting dates and timetables. **Kathleen McCaig**, Associate Planner, will assist with most project tasks including meeting preparation, public participation components, agendas, boards, and meeting flyers. She will also help coordinate the efforts of Brandywine Conservancy and Alta team members. **John Goodall**, Senior Outreach Associate, Director, Laurels Preserve, will bring agricultural land preservation and land stewardship expertise to the table. **Sarah Sharp**, Assistant Planner, will provide mapping and GIS analysis. **Michael Denlinger**, GIS Manager, will provide mapping and GIS supervision throughout the project. The Conservancy currently utilizes the most up to date ArcView and ArcInfo software to inventory and analyze a variety of geographic data for landowners and municipalities. As an analytical tool, we use these systems to store, manipulate, and visually display information, allowing the Brandywine Conservancy to provide cutting-edge open space planning assistance to municipalities.

Adam Supplee will lead the Alta team in their contribution to the Township's goals. He will be supported by **Britt Storck**, Senior Advisor; **John Hoover**, Project Planner and Certified Park and Recreation Professional; and **Liam Cleary**, Project Designer. Additionally, their team is supported by Alta's more than 200 staff in 30 office across North America.





Kathleen McCaig

Associate Planner



Kathleen provides planning and technical support for Municipal Assistance Program (MAP) projects including comprehensive plan updates, Brandywine Creek Greenway initiatives, and open space and trail studies throughout the Brandywine region.

PROFESSIONAL HIGHLIGHT

ASSOCIATE PLANNER, 2017-
Brandywine Conservancy

PLANNING SPECIALIST, 2014-2017
Cranberry Township

ASSOCIATE, 2013-2014
TND Planning Group

INTERN, 2011
Office of Planning

RESEARCH ASSISTANT, 2011
The Catholic University of America

INTERN, 2010
Sustainable Buildings Industry Council

EDUCATION

Master of Architecture,
Concentration in Urban
Design, The Catholic
University of America, 2012

Master of Science in
Sustainable Design,
The Catholic University of
America, 2012

BA, Architecture, Lehigh
University, 2008



John P. Goodall

Senior Outreach Associate



John conducts conservation easement outreach, participates in marketing efforts associated with the Municipal Assistance Program by attending monthly township meetings, assists with monitoring, enforcement, and administration of conservation easements within our program area which encompasses approximately 24 townships in southwestern Chester County as well as adjacent townships in Lancaster County. Coordinates and manages agricultural preservation outreach efforts that includes conservation planning and implementation of best management practices to mitigate agricultural impacts on water quality. John is Director at the Conservancy's 771-acre Laurels Preserve located in nearby East Fallowfield, Newlin and West Marlborough Townships and oversees the stewardship of the natural areas and trails.

PROFESSIONAL HIGHLIGHT

SENIOR OUTREACH ASSOCIATE, DIRECTOR, LAURELS PRESERVE, 1998-
Brandywine Conservancy

POCOMOKE RIVER WATCHER , 1997-1998
The Chesapeake Bay Foundation

LEGISLATIVE AND GRASSROOTS ASSISTANT, 1996-1997
The Chesapeake Bay Foundation

EDUCATION

MA, Marine Affairs,
University of Rhode Island,
1996

BS, Public Service,
Pennsylvania State
University, 1989

Government Studies
Program, American
University, 1986

Coast Guard Auxiliary
Training, 1980



Sarah E. Sharp
Assistant Planner



Sarah assists the associate and senior staff of the Municipal Assistance Program (MAP). Sarah supports the preparation of comprehensive plans, regulatory ordinances, and special projects for townships, boroughs and counties. She also provides technical support including GIS projects, field work and other research.

PROFESSIONAL HIGHLIGHT

EDUCATION

Master of Urban and Regional Planning and Science in Geography, West Chester University, ongoing

Post Baccalaureate Certificate in Geographic Information Systems, The Pennsylvania State University, 2016

BA, Geography, Schreyer Honors College at Penn State University, 2014

ASSISTANT PLANNER, 2019-
Brandywine Conservancy

MUNICIPAL ASSISTANCE INTERN, 2018-2019
Brandywine Conservancy

PLANNING AND GIS INTERN, 2018-2019
Chadds Ford Township

GIS INTERN, 2018
Brandywine Conservancy

GRADUATE ASSISTANT, 2017-2018
West Chester University



Michael Denlinger
GIS Manager



Michael generates, analyzes, and stores maps using ESRI ArcMap 10 on a Windows 7 System. He has created maps for Brandywine Conservancy & Museum of Art's programs including: easement baseline documentation and easement maps for the Land Conservation and Land Stewardship Programs; township open space, recreation, and comprehensive plan maps for the Municipal Assistance Program; trail plans, subdivision approvals and zoning changes incorporated in the Conservation Design Process; and road corridor studies, 3-D viewshed analysis and water conservation plans. Michael creates, manages, and updates spatial databases, maintains updated versions of GIS software and hardware, and manages and trains staff for GPS (Global Positioning Systems) fieldwork.

PROFESSIONAL HIGHLIGHT

EDUCATION

BA, Geography, Applied Option, Government, Lebanon Valley College and Millersville University, 2002

SKILLS

ArcGIS Pro 2.3

ArcMap 10.5

ArcGIS Online

Trimble GPS Pathfinder

Sketchup 6

GIS MANAGER, 2015-
Brandywine Conservancy

GIS SPECIALIST, 2003-2015
Brandywine Conservancy

GIS ANALYST, 2002-2003
Lancaster County GIS Department

GIS INTERN, 2000-2002
Lancaster County Planning Commission



Adam Supplee, AICP, RLA, ASLA, LEED AP *Principal Landscape Architect*



Adam has over 24 years of experience in landscape architecture and land planning. He is a skilled project manager with strong organization, communications, and technical skills. He has been responsible for designing and managing large and small-scale design and planning projects with a focus on feasibility studies, site design, and construction administration. His experience working as the on-call planning and landscape architectural consultant for townships and boroughs will allow him to anticipate the needs and integrate the requirements and interests of the different agencies and stakeholders. He is motivated by creating places for people and enhancing quality of life and economic development opportunities through trails, parks, and streetscape development.

EDUCATION

BS, Landscape Architecture,
Cum Laude, Temple
University, 1995

PROFESSIONAL REGISTRATIONS

RLA: PA (LA-001501-L); MD
(4055); DE (S1-0000557)
AICP: (#018079)
LEED AP BD+C:
(#10400733-AP-BD+C)

RELEVANT EXPERIENCE

- Erie County Parks, Trails, and Recreation Plan, PA
- Kratzer Farm Master Site Plan, Lower Macungie Township, PA
- O&W Rail Trail Feasibility Study, Sullivan County, NY
- Recreation, Parks, and Open Space Master Plan, New Hanover Township, Montgomery County, PA*
- Recreation, Parks, and Open Space Master Plan, Lower Macungie Township, Lehigh County, PA*
- Lower Macungie Township Greenway Plan, PA*

**Completed prior to joining Alta*



Brittain Storck, ASLA, RLA, CPD *Senior Advisor*



Britt is a professional landscape architect with a background in natural resource-based recreation projects, greenway trail placemaking and design, and active community planning. Britt is one of Alta's national trail experts. She has worked collaboratively with planners and engineers in nearly 100 communities within 18 states and in Canada and St. Croix, USVI to develop projects that are more active places. During her 14 years in practice, Britt has cultivated an instinctual understanding of the complexities associated with design of open spaces and public trails in all landscapes. She approaches her work with the belief that each project provides the opportunity for a community to activate, transforming its health, stimulating its economy, and boosting overall quality of life of its people.

EDUCATION

Bachelor of Landscape
Architecture, Cum Laude,
University of Georgia, 2005

PROFESSIONAL REGISTRATIONS

RLA: GA (001754), NC (1761),
AL (833)
CLARB Certified: (40871)
CPD: 2015-2019)
GSWCC Level II:
(0000079339)

RELEVANT EXPERIENCE

- Alpharetta Park and Trail Wayfinding, Alpharetta, GA
- Cobb County Greenways and Trails Master Plan, GA
- River District Mountain Bike Trails Master Plan, Charlotte, NC
- Walnut Creek Wetland Park Master Plan, Raleigh, NC
- Chatham Park Haw River Greenway, NC
- Carrboro Bolin Creek Greenway, NC



John Hoover, CPRP

Project Planner



John has 40 years of experience in the Parks and Recreation field. He led park policy and operations for over thirty years while serving as the Parks Director for the Cheltenham Township, Montgomery County Park and Recreation Department. He skillfully integrates agency needs with community vision and desire, providing clients with recommendations for trail and park development and maintenance. John is a **Certified Park and Recreation Professional** and has been involved with the National Recreation and Parks Association since 1984. He has received several awards for his contributions to the organization and held several executive committee positions. His experience includes conducting analysis of park facilities, analyzing park and recreation programs, using Proragis software, organizing and participating in public input meetings, conducting key person interviews, preparing reports of findings, and developing policy and program recommendations

EDUCATION

BA, Parks and Recreation Management, Minor in Urban Affairs, California State University, 1977

PROFESSIONAL REGISTRATIONS

American Planning Association (#248486)

RELEVANT EXPERIENCE

Erie County Trails, Parks, and Recreation Plan, PA

Kratzer Farm Master Plan Development, PA

Lower Macungie Township Greenway and Trail Plan, PA*

Lower Macungie Township Parks, Recreation and Open Space Plan, PA*

**Completed prior to joining Alta*



Liam Cleary, Associate ASLA

Project Designer



Liam served in the U.S. Army from 2004-2011. His service included tours in Afghanistan, Egypt, and New Orleans, Louisiana (for Hurricane Katrina relief). These experiences sparked his interest in environmental design. After separating from military service, Liam attended Temple University in Pennsylvania where he received a Bachelor of Science in Landscape Architecture (Magna Cum Laude). Liam is passionate about park, trail, and streetscape design.

EDUCATION

BS, Landscape Architecture, Temple University (Magna Cum Laude), 2016

PROFESSIONAL ORGANIZATIONS

Associate Member, American Society of Landscape Architects
Associate Member-at-Large, PA-DE Chapter, ASLA

RELEVANT EXPERIENCE

Erie County Recreation, Parks and Greenways Plan, PA

O&W Trail through Sullivan County, Sullivan County, NY

Jim Thorpe Complete Streets, PA

West Laurel Hill's Nature Sanctuary, Bala Cynwyd, PA*

Kratzer Farm Master Site Plan, Lower Macungie Township, PA*

Spring Valley Community Church Land Development, Pottstown, PA*

SteelTown Village Land Development, Phoenixville, PA*

**Completed prior to joining Alta*