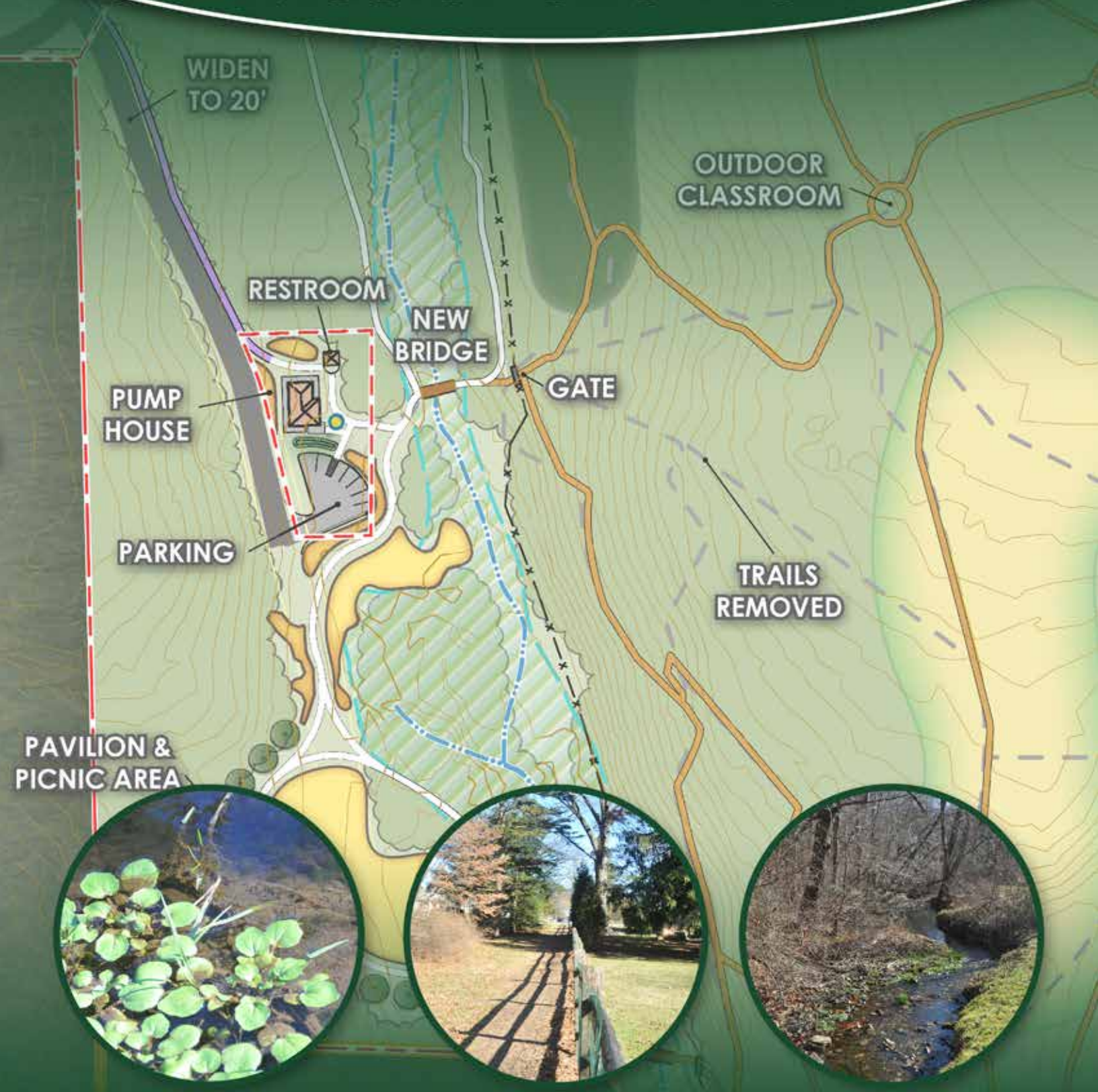


RANDOLPH WOODS NATURE PRESERVE

Master Site Plan



September 2020



Master Plan Committee:

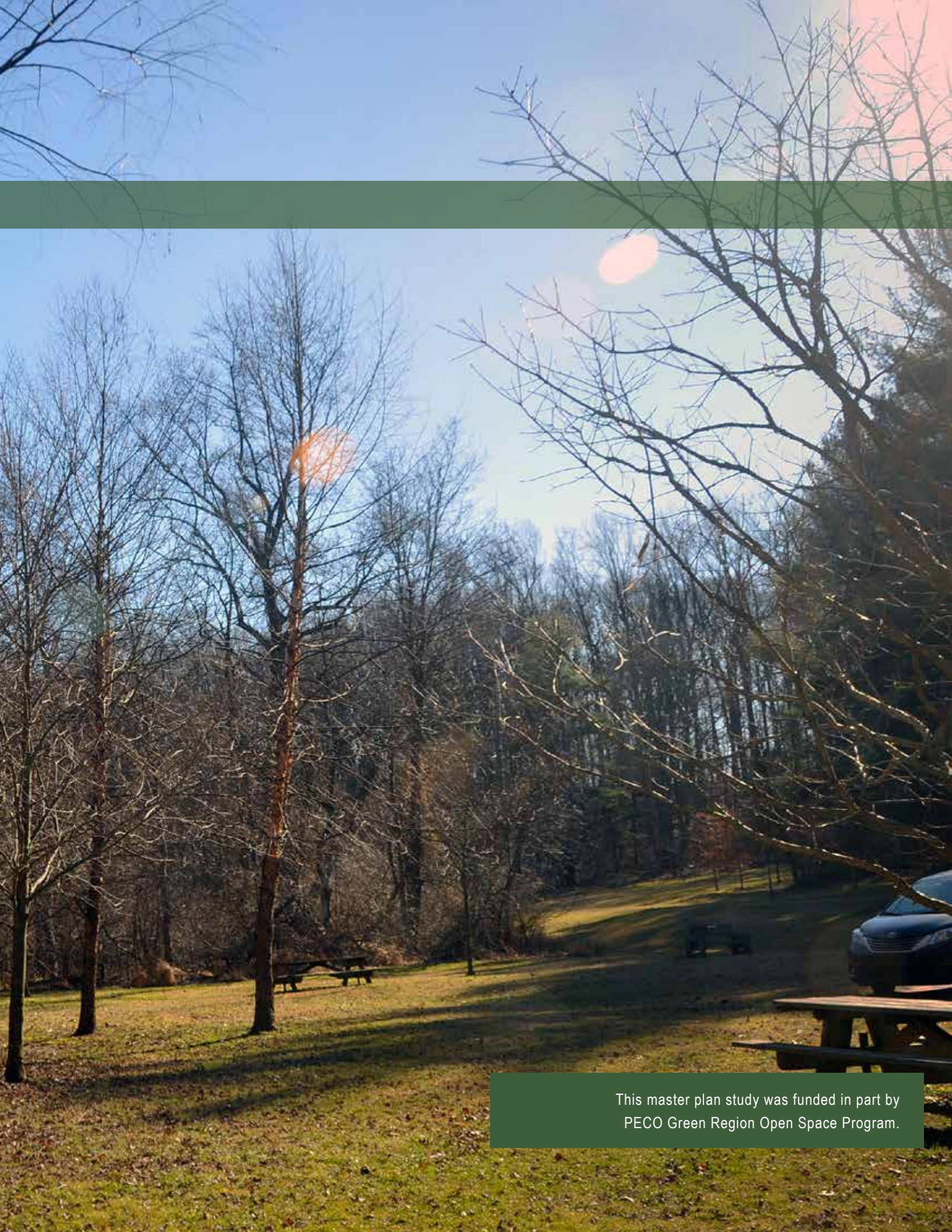
Mark Niemiec, Chair
Brian Walker, Vice-Chair
Christopher Bashore, Secretary
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19065





This master plan study was funded in part by
PECO Green Region Open Space Program.

Introduction



Inventory & Analysis



- 2 Study Purpose
- 3 Project Team
- 4 Project Schedule
- 5 Public Participation
- 6 Plan Goal
- 7 Data Collection & Methodology

- 10 Site Description
- 11 Regional Context
- 12 Demographics
- 13 History
- 14 Zoning & Land Use
- 14 Planning Documents & Easements
- 16 Circulation & Access
- 18 Existing Facilities & Structures
- 20 Hydrology
- 22 Site Forest
- 24 Flora & Fauna

Recommendations



Implementation



Appendix



- 28 Preliminary Concept Plans
- 29 Public Consensus
- 30 Forest Management Recommendations
- 30 Ecological Restoration Improvements
- 32 Stormwater BMP's
- 35 Design Elements
- 38 Draft Master Plan
- 38 First Avenue Area
- 40 Ruthland Avenue Entrance
- 42 Pumphouse & Parking Area
- 44 Picnic Meadow
- 46 Themed Loop Trails
- 48 ADA Accessibility

- 52 Probable Costs of Proposed Improvements
- 53 Project Phasing
- 54 Design, Engineering & Permitting
- 55 Maintenance Recommendations & Responsibilities
- 57 Funding Sources

- Forest Management Plan
- Randolph Woods Ecological Conditions Assessment
- Final Report to Borough Council
- Randolph Woods Nature Preserve
- 2001 Conservation Easement
- 2017 Site Survey
- Estimated Cost of Development
- Meeting Notes
- Public Opinion Survey
- Public Letters
- Willistown Conservation Trust Letter
- Applicable Borough Codes
- Draft Report Comments
- Community Bicycle Petition



1

Introduction





Study Purpose

In 2015, a concerned resident brought to Borough Council's attention the apparent decline in the health of the Randolph Woods Preserve's forest. The Borough Planning Commission did an initial evaluation of the property and recommended to Borough Council that an ad hoc committee be formed to review the site issues and make recommendations to ensure the continued health of the Preserve. A copy of this report, titled Randolph Woods Ad Hoc Committee Final Report to Borough Council, can be found in the appendix of this report. This master plan study was a direct recommendation of the 2017 report.



Project Team

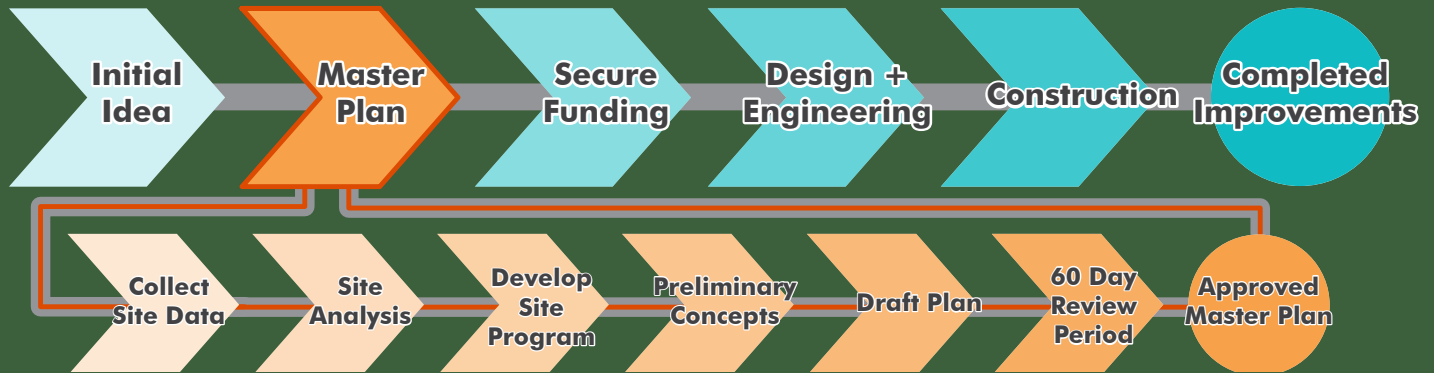
A project team composed of the Randolph Woods Ad Hoc Committee, Borough Staff, Willistown Conservation Trust, and consultants was formed to guide the public through the master plan process. The Committee is diverse and offers varied expertise and experience. Committee insights informed and guided the team throughout the process. Andrew Kirkpatrick, Director of Stewardship at the Willistown Conservation Trust, provided professional guidance to the committee throughout the process. Malvern Borough staff, led by Borough Manager Christopher Bashore, helped to coordinate the process and provided input and comment on the plan.

The consultant team included many disciplines. Simone Collins Landscape Architecture (SC), a planning and design firm with expertise in parks, trails, greenways, and recreational facilities, served as the prime consultant. SC was responsible for overall facility design, public participation, and coordination with the Committee and project team.

Applied Ecological Services, Inc. (AES) is a leading ecological consulting firm dedicated to bringing the science of ecology to land-use decisions. Their knowledge of ecological systems provides a solid foundation for creating balanced ecological designs and solutions that are sustainable, cost-effective, and enduring. AES plan components include baseline habitat and wildlife analysis, and stewardship / restoration recommendations.

Comprehensive Land Services (CLS) is a forestry and wildlife consulting firm with many years of experience in the Commonwealth. Sole proprietor / forester Patrick Fasano was responsible for the analysis of the existing Preserve woodlands and the formulation of the Forest Management Plan.

Project Schedule



The master plan is an early step in the improvement process that seeks to develop public consensus for improvements to be implemented in the Preserve. The master plan provides estimates of probable costs of development, and outlines a strategy for phasing improvements and securing funding from a variety of potential sources. The master plan is a guidance document and is intended to be flexible enough to adapt to the future desires and needs of the community.

Following the completion of this master plan, the next step toward implementation is to identify and acquire funding for improvements. Once funding is obtained, detailed design and engineering will commence to develop construction documents. Construction documents will be publicly bid, and a contract awarded for construction.

A master plan is typically implemented through a series of phases, dependent on funding, over a period of years. In the case of Randolph Woods Nature Preserve, five (5) to seven (7) phases spanning ten (10) to fifteen (15) years is a realistic time frame for the implementation of the plan recommendations.

Public Participation

Meeting Date	Meeting Purpose	
December 16th, 2019	Committee Meeting 1	Project Kickoff Meeting
January 22th, 2020	Public Meeting 1	Brainstorming
May 6th, 2020	Public Meeting 2	Concept Review
June 24th, 2020	Public Meeting 3	Draft Plan Presentation
Date To Be Determined	Public Meeting 4	Final Plan Presentation

Community input is a critical component to any successful master plan. Meetings with the public and Malvern Borough staff were held throughout the planning process. The public helped identify important existing conditions and community needs, and provided critical feedback on desired Preserve elements and proposed solutions.

The consultant team worked with Malvern Borough to ensure that the public had adequate opportunity to voice their opinions for Randolph Woods, and they endeavored to incorporate ideas generated through public discussion wherever appropriate.

Public meetings served as critical benchmarks during the project process; they informed the public on project progress and provided an opportunity for feedback and discussion. Attendance lists and meeting minutes can be found in the appendix of this study.

A 20-question public opinion survey was created by the consultant team to gather valuable information from the residents of the community. This survey gathered important background data, current recreation habits, and desired facilities within the Preserve. A total of 465 responses were received during the master plan process.

Plan Goal

The goal of the Master Plan was set by the Ad Hoc Committee in the 2017 report:

“The Randolph Woods Nature Preserve aspires to be a vital part of Malvern’s park system, provide nature-based passive recreation and community activity, while promoting natural resource conservation, land stewardship, and related education.”





Data Collection & Methodology

The data of this report was compiled from various sources, including the Malvern Borough, publicly available GIS mapping, previous planning studies, previous surveys of the site, and field reconnaissance data obtained by the consultant.

Field maps and planning documents were created using Geographic Information System (GIS) base mapping. This information was combined with base aerial photography, municipal boundaries, roadways, sidewalks, parcels, and other identifying land use features.



The background of the slide is a photograph of a forest. The top half shows tall, thin, bare trees against a blue sky. A solid green horizontal band runs across the middle of the image. The bottom half shows a forest floor covered in brown, fallen leaves and a dense patch of bright green, low-lying plants in the foreground.

2

Inventory & Analysis

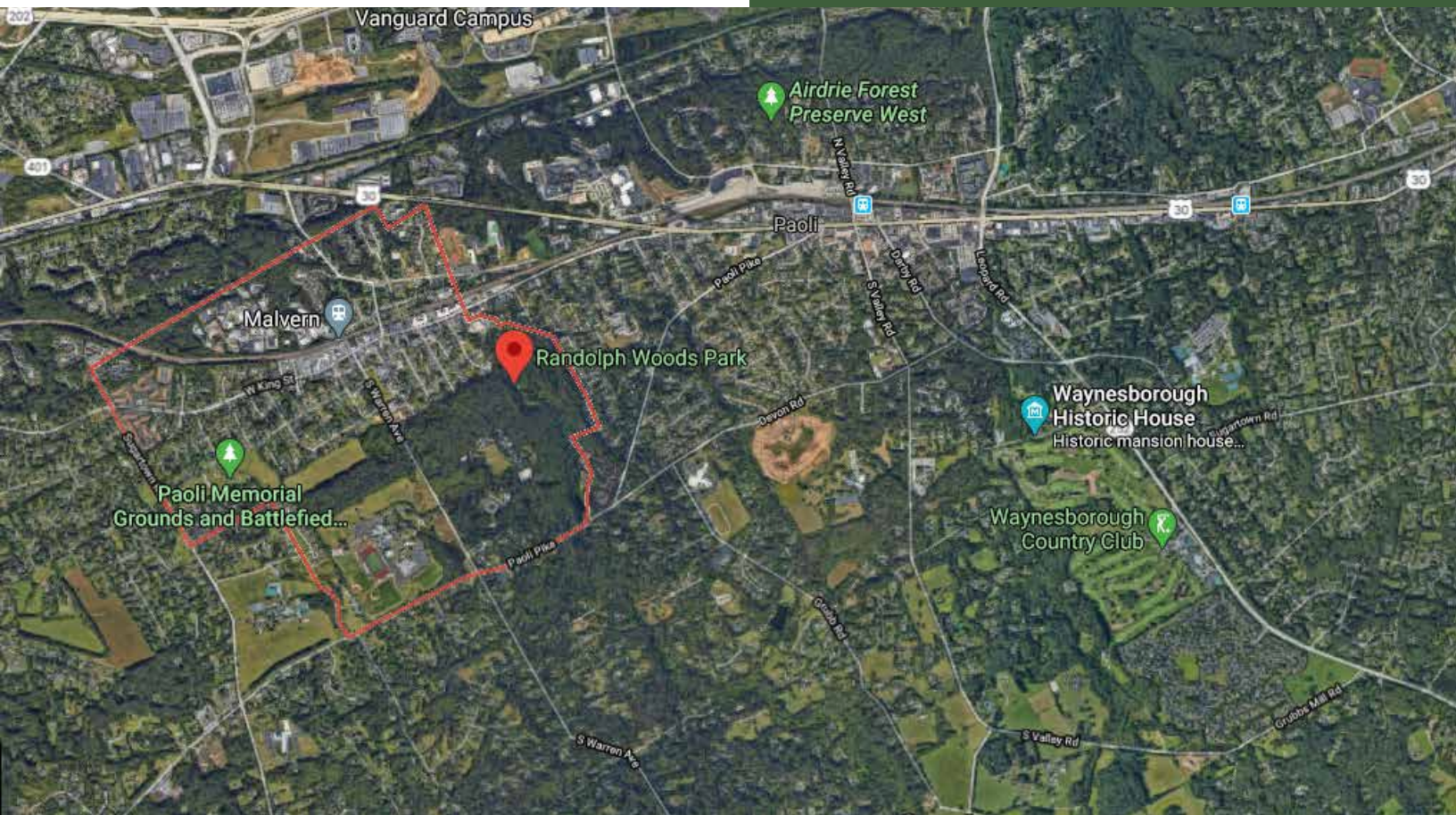


Site Description

Randolph Woods Nature Preserve is the largest park in the Malvern Borough park system. The Preserve is 43 acres in size. The Preserve is in the southeastern portion of the Borough along the border with Willistown Township. The site is characterized by steep wooded slopes and a gently flowing creek, the Ruth Run. The headwaters of Ruth Run start within the northern portion of the site and the stream valley traverses the central portion of the site. In 2001 Randolph Woods was identified as an important regional resource for water quality and the land was preserved from development via a conservation easement held by Willistown Conservation Trust; the easement covers 38 acres within the 43 acre Preserve.

Regional Context

Malvern Borough is located in Chester County 25 miles west of Philadelphia. The Borough is located south of Rt 30, with easy access to S.R 202 a regional highway corridor. The Borough is also home to a SEPTA regional rail station located on the Paoli/Thorndale Line. The station is located on King Street, the town's 'Main Street' home to shopping, restaurants, office, and homes. Randolph Woods is located one-quarter of a mile south of King Street. The Borough is a walkable community and the central location of Randolph Woods lends itself to be a premier recreation amenity for the Borough community.

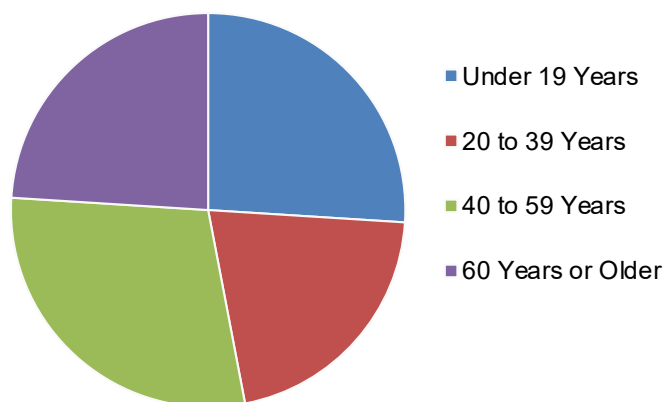


Demographics

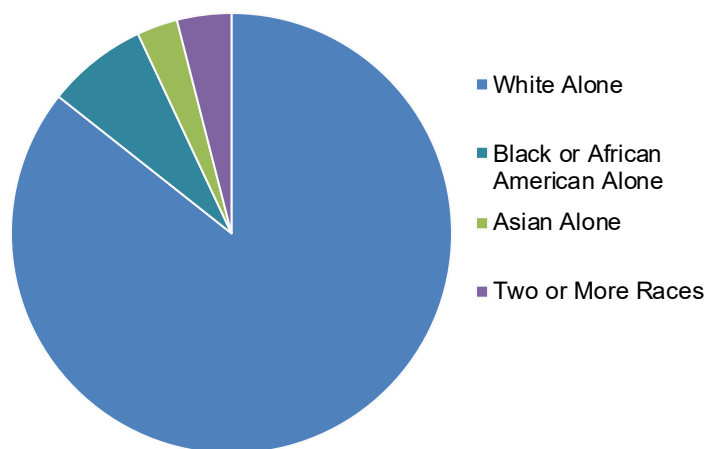
The 2010 US census estimated the Borough population at 2,998 inhabitants. Recent 2018 population estimates of 3,440 indicate a 14.9% growth in Borough residents. This growth in population has coincided with new development within the Borough, both in the housing and commercial sectors.

The Borough population has a median age of 42.5 and the population is spread fairly evenly across age groups with 23% under the age of 18, 9% from 18 to 24, 23% from 25 to 44, 27% from 45 to 64, and 19% who were 65 years of age or older. The Borough has a median household income of \$93,906, 1.4 times above the metropolitan area. The Borough residents are well educated with 95.7% having graduated high school . 63% hold a bachelor's degree or higher. The Borough race is predominantly white at 86.2% with 7.4% black or African American, 2.4% Asian, and 3.8% being two or more races.

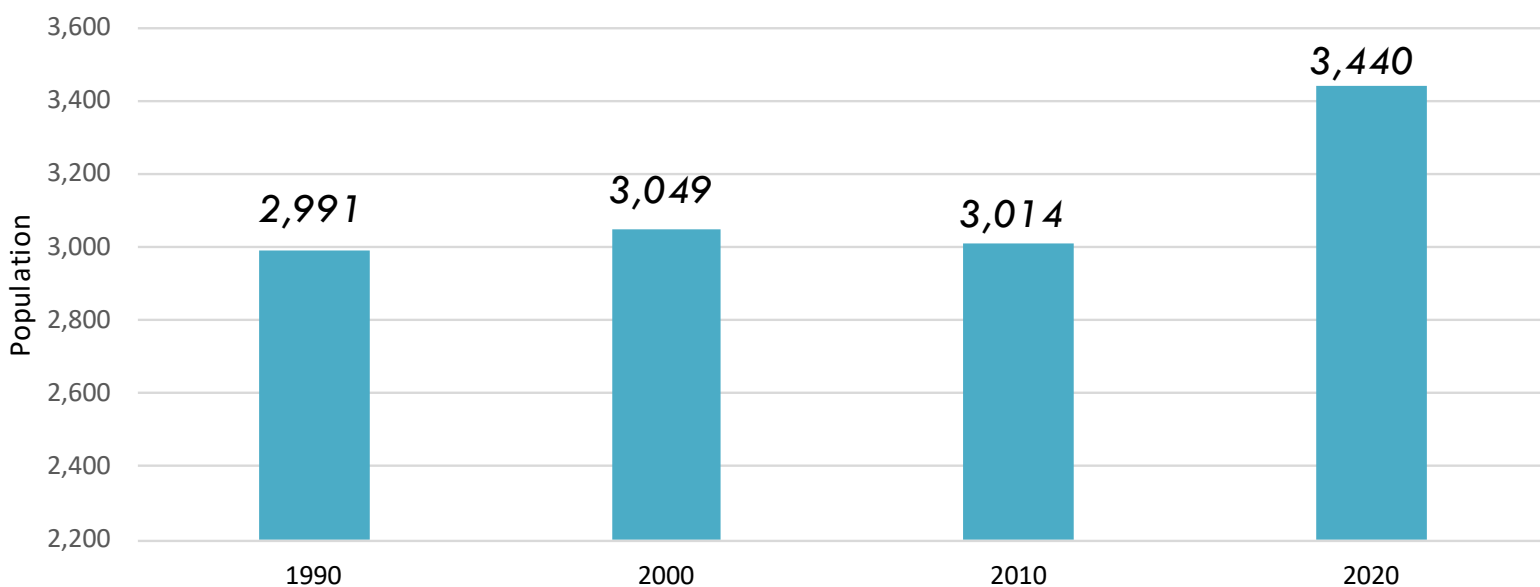
Age



Race



Malvern Borough Population 1990-2020



History

Like much of Chester County the Borough and the surrounding land was predominantly used for agriculture throughout the 1800's and into the early 1900's. Historical aerials of the site from 1932 depict the area as pasture with few mature trees.

The sole site structure is a pump house built around 1890. This was purchased by the Borough from David Evans in

1945. The site's springs served as a water source for the Borough. Historical aerials from 1958 and 1971 depict the pump house and water tower. In 1996, the Borough water system was sold to Aqua. Today, the remnants of the water tower are gone however the pump house is still on site. A full explanation of the Borough water system can be found in the Ad Hoc Committee Dec 2017 report in the master plan report appendix.



Zoning & Land Use

Randolph Woods Nature Preserve is zoned POSC - Public Open Space and Conservation - and identified on the Borough Official Map as Open Space. Permitted uses are limited to passive recreation; active recreation can be permitted only upon the grant of conditional uses approval by the Borough Council. It should be noted that the Conservation Easement restricts some of the passive recreation activities that are listed in the Borough zoning.

Rules and Regulations for Borough Parks are laid out in *Chapter 139. Parks and Recreation* of the Borough Code.

Planning Documents & Easements

Randolph Tract Master Plan, 1992

Prior to the sale of the water system, the Borough conducted a master plan study to determine the public desires for facilities and activities on the site. The plan drew the following conclusions:

- There is a strong desire from the Borough and the community that the property remain in its natural state.
- The Borough should act to protect the public water resources on the site.
- Establish greater accessibility for hiking, walking, and environmental education.

The master plan recommended the improvement and development of the site trail system, along with the incorporation of basic site amenities such as parking, picnic grove, and seating area.

Willistown Conservation Trust Site Easement, 2001

In a follow-up to the 1992 master plan, the Borough entered into a conservation easement with Willistown Conservation Trust in 2001 (a full copy of the easement can be found in the appendix of this report). Among the reasons for entering into the easement it states:

"...protection of the Conservation Easement Area will enhance the purpose of preserving and protecting open space, water resources, sensitive natural areas."

The easement agreement defines the terms of site access, recreational uses and activities, and site improvements. As per the terms of the easement, the site is to be open to public access; recreational activities are to be passive in nature, as defined by the conservation easement; and site improvements are to be limited to:

- Fencing,
- 400 square foot picnic shelter,
- Birdwatching Platform,
- Bridges, and
- Unpaved trails.

Malvern Borough Comprehensive Plan, 2012

The Borough Comprehensive Plan was adopted by Borough Council June 19, 2012. The plan serves as a guiding document for development in the Borough, with the objective, *“to retain and enhance our small-town character, which makes the Borough a special place to live and work.”* Chapter 11 of the plan addresses Parks, Recreation, and Open Space Plan. It recommends the following for Randolph Woods Nature Preserve:

“Pursue the design set forth in Map 11-2 (see appendix). Complete improvements to existing trails and the trail network as well to the small picnic grove that have been partially completed, and construct the second of the two recommended bridges. Pursue installing interpretive signs to highlight tree species, wetlands, and other natural features.”

Available at: <http://www.malvern.org/plans-and-studies/2012-comprehensive-plan/>

Malvern Willistown Greenway Master Plan, 2013

This multi-municipal plan aims to connect Willistown Township’s and Malvern Borough’s multiple public resources by a safe and well-marked trail system. With the primary objective to, *“encourage walking or non-motorized means of transportation with healthy benefits to both the users and the environment.”* The plan proposed a trail network made up of sidewalks to hard surface trails, mown paths, and soft surface paths for use by pedestrians, bicycles (where permitted), and strollers. The Preserve falls within the central portion of the greenway and serves as the major connector between Borough hall and Greentree Park in Willistown. The proposed route is as follows:

“...It will follow the north side of Second Avenue to Church Street where it will cross to the south side. It will continue just inside (south of) the property line of the Malvern

Retreat property to the Borough’s Randolph Woods. A trail easement has been discussed and found to be acceptable to the Retreat Board with proper signage and new or relocated fencing to direct trail users. The Greenway will connect to an existing soft trail network in Randolph Woods, including a link through this large Preserved open space to an existing trail. Randolph Woods is connected to the Duffryn Trail Corridor and the trail will link to Duffryn Avenue at 2nd Avenue...”

The Malvern Borough portion of the above route is documented on the Borough’s Official Map.

Available at: <http://www.malvern.org/plans-and-studies/malvern-willistown-greenway/>

Malvern Borough Walkability Study, 2015

Completed in 2015 by the Borough Planning Commission, the study’s primary objective is to provide pedestrian access to parks, the battlefield, and places of interest. The Study identifies the lack of sidewalks surrounding the Preserve. However, it did not recommend sidewalk or wayfinding signage around the Preserve.

Available at: <http://www.malvern.org/plans-and-studies/2015-malvern-planning-commission-walkability-study/>

Circulation & Access

The site has both pedestrian and vehicular access.

Pedestrian access is via the Duffryn trailhead, located along the central portion of the eastern property border. A 30-foot wide easement conveys a soft trail path from Duffryn Ave to the Preserve. The trail extends into the central part of the Preserve, crossing the Ruth Run via a footbridge and delivering pedestrians to the pump house parking area.



Vehicular access into the Preserve is provided via Ruthland Ave. Ruthland is part of the surrounding neighborhood grid of streets. Prior to reaching the Preserve, Ruthland Ave passes through the Borough Public Works area. The last block of Ruthland Ave approaching the Preserve deviates from the residential grid and lacks sidewalks. The change in streetscape and lack of definition between road and Public Works leaves newcomers to the Preserve wondering if they are in the right place. As Ruthland Ave enters the Preserve, it narrows to 16-18 feet in width. The paved portion of the road terminates at the Pump House parking area. A gravel road extends south through the Preserve prior to terminating in the area near Ruth Run. Historically, the road had extended south into the neighboring Malvern Retreat property.



Existing Preserve Trail Circulation



Existing Facilities & Structures

The only building in the Preserve is the historic Pump House. The structure presents opportunities for historic interpretation.



Two wooden foot bridges have been constructed across Ruth Run, the first central to the site at the Pump House and the second near the southern boundary. The bridges are sited low in the floodplain and their approaches are not ADA accessible. Located near the southern bridge are remnants of a former crossing in the form of concrete abutments on both sides of the stream.



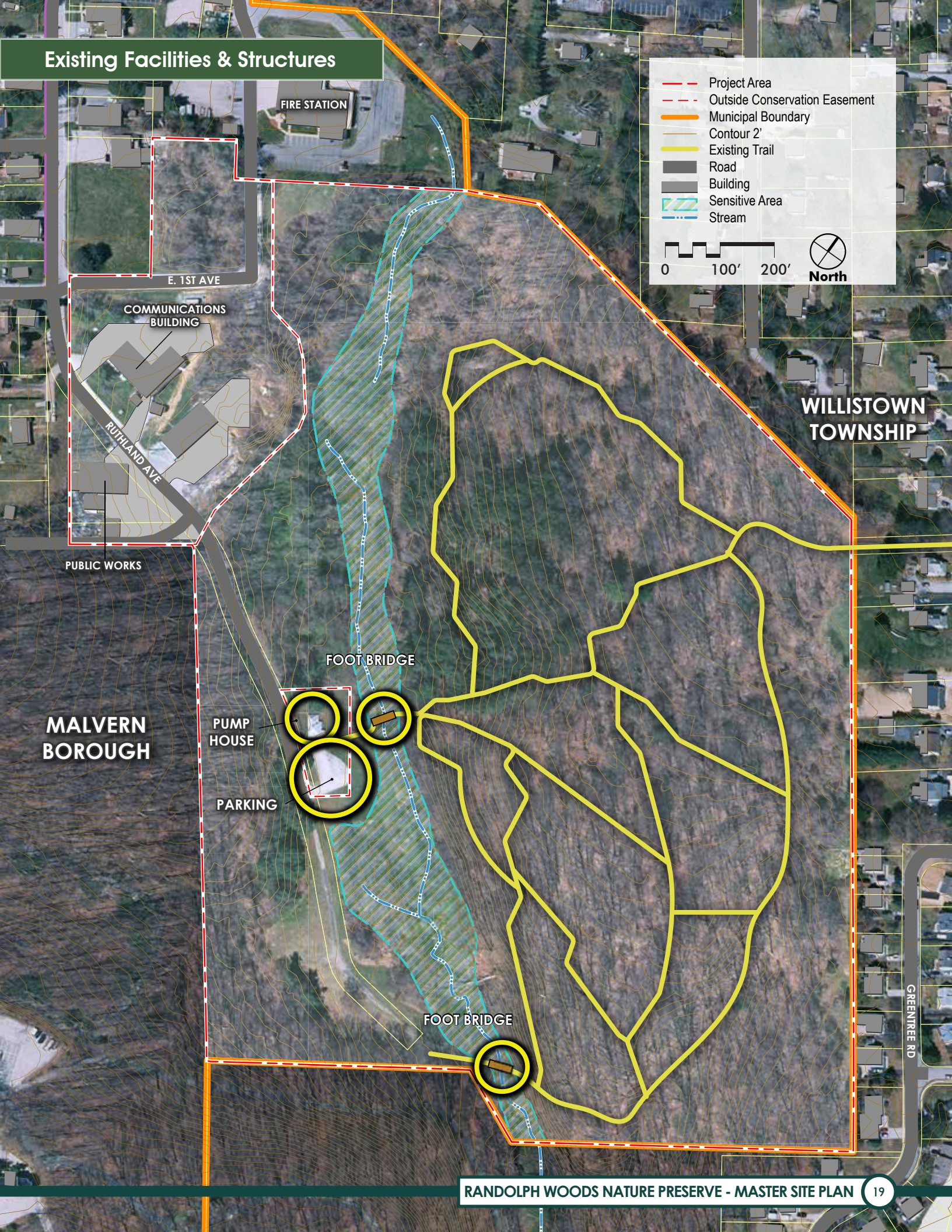
A small asphalt parking area approximately 76 feet by 55 feet in size can accommodate 8-12 cars. The parking area is located along the south facade of the Pump House and the paving extends to the concrete landing of the Pump House door. The paving is within 75 feet of the stream's edge and the vegetation between is mown lawn.



A network of earthen hiking trails traverses the woods in the eastern side of Ruth Run. There is a total of approximately 1.4-miles of trails in this area. Due to improper location in the landscape, some trails are showing signs of severe erosion. There are additional foot trails that enter the Preserve from adjoining private residential homes located along Duffryn Ave. Unofficial mountain bike trail elements have been constructed within the Preserve, without the permission of the Borough.



Existing Facilities & Structures

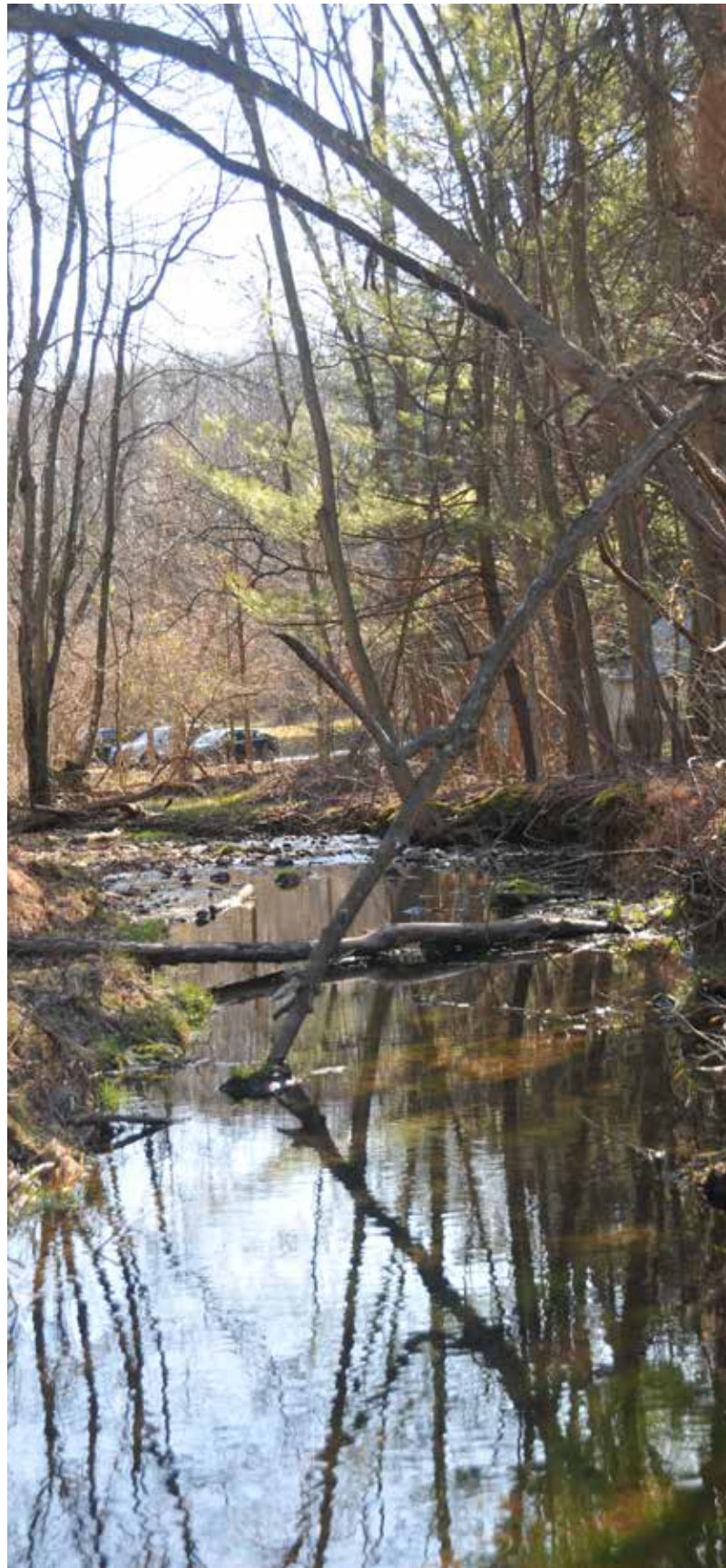


Hydrology

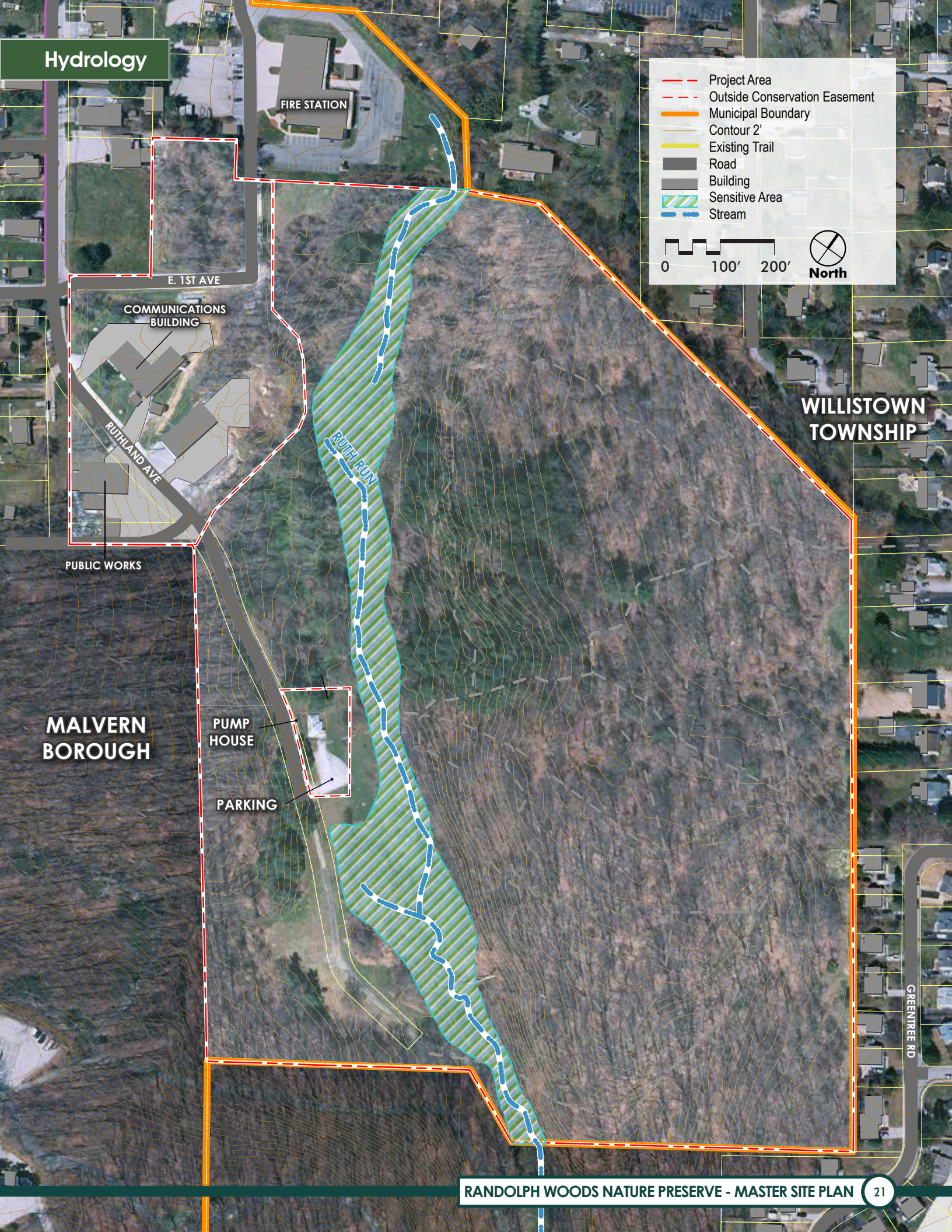
Site hydrology is dominated by area seeps and springs that form Ruth Run. Ruth Run runs north to south through the central part of the Preserve. Ruth Run is a tributary to the East Branch of Crum Creek, located about three-quarters of a mile south of the site. Crum Creek is classified by the Pennsylvania Department of Environmental Protection (PaDEP) as a High Quality (HQ) waterway stream. Crum Creek is the largest drinking water source for area residents. Two reservoirs, the Lower Crum Reservoir and the 391-acre Springton Lake Reservoir, supply drinking water for 200,000 area residents.

The Crum Creek and its tributaries are classified as Impaired Streams by PaDEP, and as such their host municipalities are subject to the requirements of MS-4 (Municipal Separate Storm Sewer System) planning and permitting.

There are mapped wetlands within the site. However, additional existing wetland vegetation and habitat found around the stream headwaters and along the stream corridor indicate the presence of added site wetland.



Hydrology



Site Forest

The Forestry Management Report divides the site into four management units:

- Management Area 1: White Pine Plantation
- Management Area 2: Smaller Hardwood / Open Woodland Forest
- Management Area 3: Mature Hardwood Forest
- Management Area 4: Water Resource Protection

There is a total of 35.7 acres of forest canopy within the Preserve. In general, the forest is in severe decline. Intense deer browsing has eliminated the natural forest floor vegetation. This lack of native vegetation allows for invasive plant species to thrive. This can be seen happening both at the edges of the Preserve and within the forest where trees have died, allowing sunlight to hit the forest floor. Due to their ability to adapt to poor conditions, invasive species can quickly spread, often casting dense shade, and eliminating the possibility of native tree seedlings or understory plants from growing. If left unchecked, this cycle will lead to the elimination of the forest canopy.



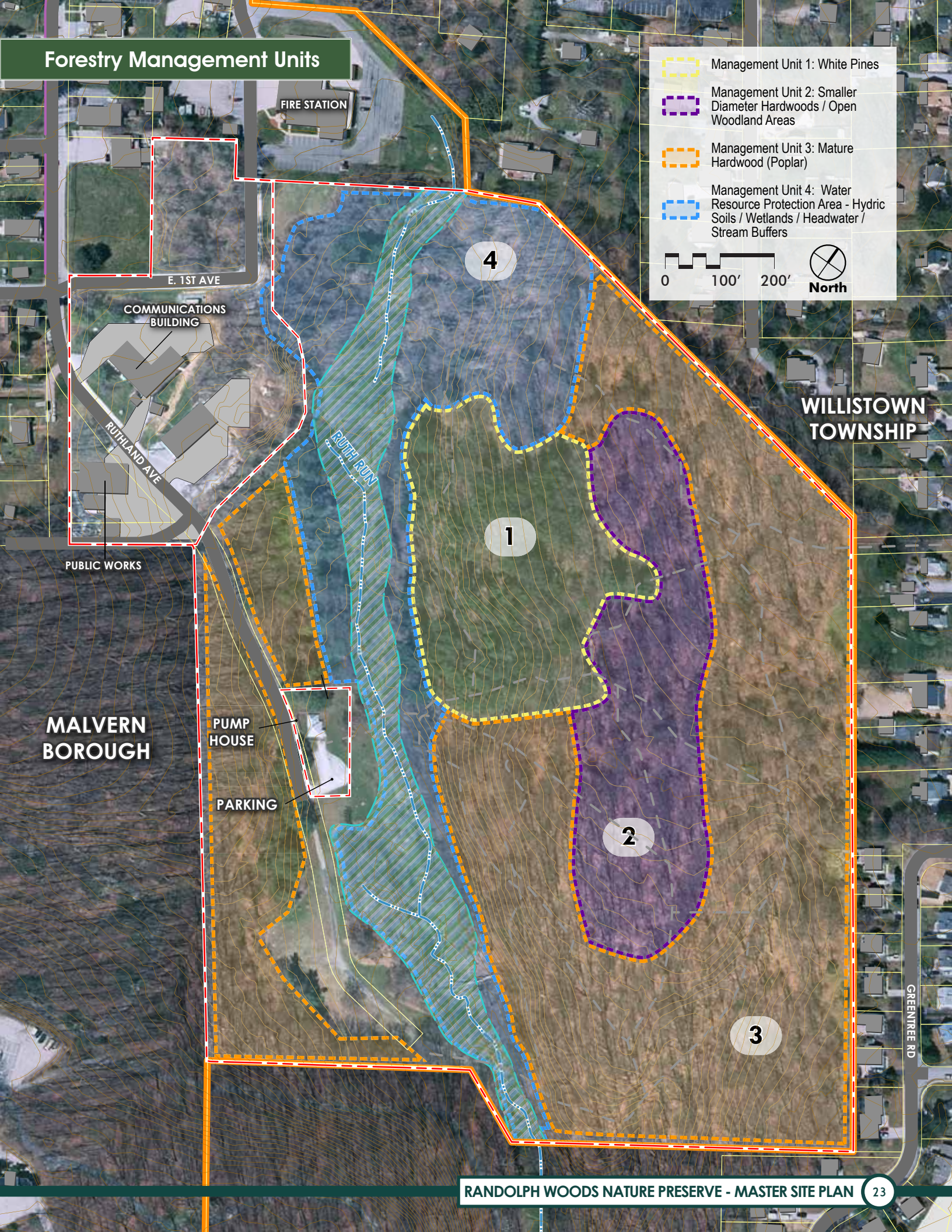
Forestry Management Units

Management Unit 1: White Pines

Management Unit 2: Smaller Diameter Hardwoods / Open Woodland Areas

Management Unit 3: Mature Hardwood (Poplar)

Management Unit 4: Water Resource Protection Area - Hydric Soils / Wetlands / Headwater / Stream Buffers



Flora & Fauna

Applied Ecological Services (AES) conducted a series of site visits throughout the spring of 2020 to identify site flora and fauna. AES ecological assessment reinforces the forestry assessment. Intense deer browsing pressure is evident. Dense deer herds were observed in the pine plantation management unit. Very little healthy native understory remains. Native understory species observed include plants deer tend to avoid, such as spice bush, American holly, and arrowwood viburnum. Many invasives were identified throughout the site, including:

- Bush honeysuckle (*Lonicera mackii*),
- Multiflora rose (*Rosa multiflora*),
- Japanese Angelica tree (*Aralia elata*),
- Lesser celandine (*Ficaria verna*),
- Garlic mustard (*Alliaria petiolata*),
- Vine honeysuckle (*Lonicera japonica*), and
- Wineberry (*Rubus phoenicolasius*)

Areas of the forest do offer a glimpse of healthy ecosystems; a bullfrog and a spring ephemeral plant, bloodroot (*Sanguinaria canadensis*), were observed at vernal pools in MU #3.

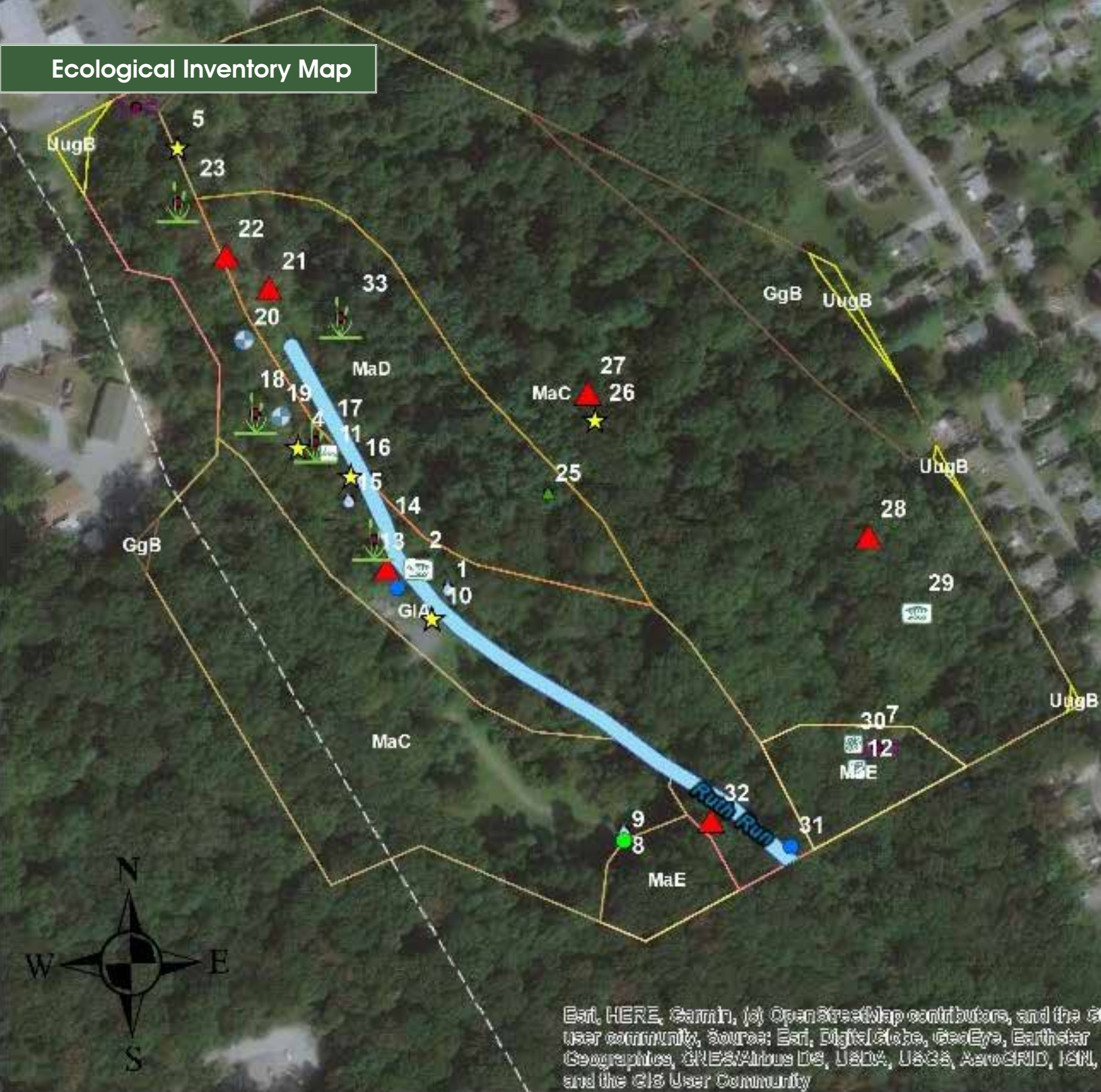
AES identified MU #4, the headwaters area, as a critical habitat area. There are National Wetland Inventory mapped wetlands in this area. It was noted that the existing site wetlands exceed what is currently mapped and will likely need to be delineated moving forward. The upper half of the MU is comprised of wetland complex habitat that is suitable bog turtle habitat.

The area does receive stormwater inputs via pipes, lawn sheet flow, and pavement sheet flow. Aggressive invasive species such as common reed (*Phragmites australis*), Japanese hops (*Humulus japonicus*), and reed canary grass (*Phalarus arundinaceae*) were identified on site. These species should be a top priority to remove as these areas restored.

The map to the right identifies AES's key observations. Their full report can be found in the master plan appendix.



Ecological Inventory Map



Type

- | | |
|----------------------------|-------------|
| Conifer Stand | SAV |
| Erosion | Storm Water |
| Invasive | Stream |
| Meadow | Vernal Pool |
| Restoration Recommendation | Well |

Soil Type

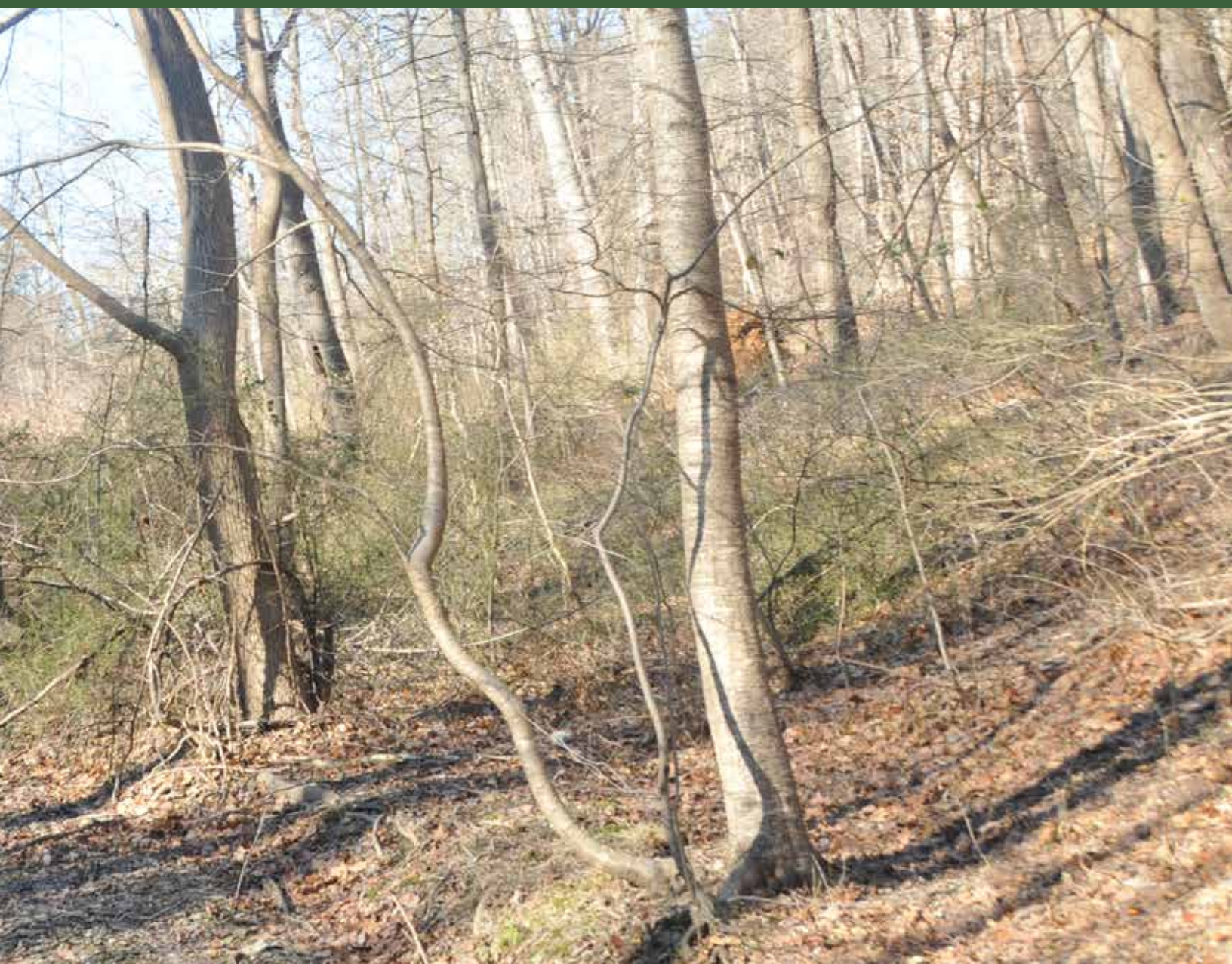
- | | |
|-----|----------|
| GgB | UugB |
| GIA | Wetlands |
| MaC | |
| MaD | |
| MaE | |



A photograph of a forest with bare trees and a blue sky, partially obscured by a solid green horizontal band that serves as a background for the page's header and title.

3

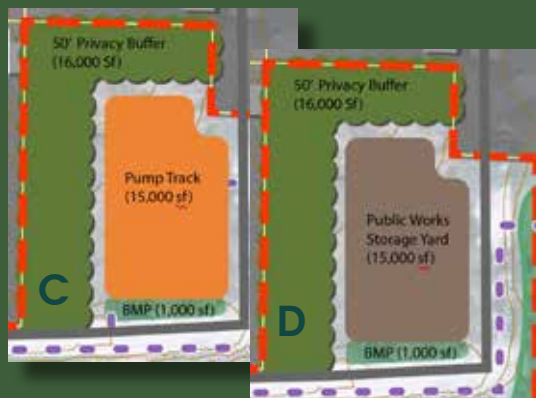
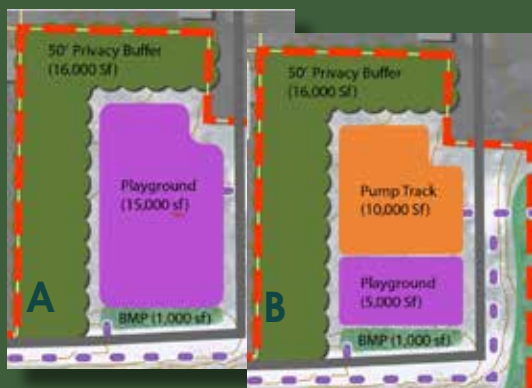
Recommendations



Preliminary Concept Plans

Two preliminary plans were presented for public feedback. Each plan included a picnic area and nature-based play area as well as an ADA compliant loop trail. Concept A limited intrusions into the proposed restored interior forest habitat. The concept A trail network was limited to a single loop trail and the Duffryn Trail. Concept A proposed 2 miles of trails and pedestrian facilities, while Concept B expanded upon the existing trail network and proposed 3.3 miles of trails and pedestrian facilities. Upon public feedback, the consultant team moved forward with a combination of elements between concepts A & B.

Alternatives for the 'First Avenue Parcel' were presented and explored through four bubble diagrams (see below), each diagram depicting a different use for the current unused space. Option A depicted a 15,000 square foot playground. Option B depicted a 10,000 square foot pump track and 5,000 square foot playground. Option C depicted a 15,000 square foot pump track. Option D depicted a 15,000 square foot public storage yard. All options included a 50' privacy buffer. Option C is shown in detail on page 39.



Concept A



Concept B



Public Consensus

The intent and goals for the Randolph Woods Preserve were established during the original master plan and solidified in 2001 when the Borough entered a Conservation Easement with Willistown Conservation Trust. During the master plan process, there was a strong public desire to incorporate mountain biking as a permitted activity within the Preserve. After much consideration of the easement's stipulations, the Master Plan Committee determined that it was their responsibility to work within the framework of the existing Randolph Woods Preserve Conservation Easement as developed by the Willistown Conservation Trust. However, in understanding the public desire for recreational amenities for community tweens and teens (an age that can be difficult to engage) - the committee determined that, although mountain biking would not be allowed within the Preserve, there is an opportunity for a pump track geared towards mountain biking; this would be recommended for the First Ave parcel (an unused area of the Preserve outside of the conservation easement).

Trail development priorities should focus on eliminating and rerouting trails with erosion issues. The future trail system should strike a balance between habitat and public access. A larger perimeter trail with smaller interior hiking loops (which accommodate varied user experiences and unique interpretive opportunities) is more desirable than a single perimeter loop trail.

Site Stewardship

Forestry Management Recommendations

Site forestry recommendations for the next 10 years are laid out in the Forestry Management Plan (see appendix). The plan focuses on controlling deer and invasive plants for the first 1-5 years. Years 5-10 focus on selective tree removal to create canopy openings paired with understory restoration and seedling plantings. The goal of the forest plan is to create a healthy and sustainable forest capable of self-regeneration.

The master plan recommends deer fencing around most of the forest in the Preserve. This deer fencing would encompass the forest on the eastern side of Ruth Run, but not cross the stream. Fence stream crossings often collect trash and debris during floods, which can lead to openings in the fence and permit deer into the enclosure area. The fence is a substantial capital improvement; steady growth of deer populations in southeastern Pennsylvania over the past 30 years justify the investment as a long-term insurance policy for restoration efforts within the Preserve. Smaller, temporary deer enclosures will be required for restoration plantings if a perimeter deer fence is not installed.

Ecological Restoration Improvements

Ecological restoration recommendations are laid out in the Randolph Woods Ecological Condition Assessment (see appendix). The assessment makes recommendations for each management unit.

Management Area 1: White Pine Plantation

Very limited removal of select pines is recommended to eliminate overcrowding and allow for the inclusion of some hardwoods into the forest canopy. Restoration understory plantings should focus on creating a blended ecotone understory between the white pine forest and adjacent forested wetland habitat. This focus on the transition between the two different habitats will lead to a diversity of habitat and animal species.

Management Area 2: Smaller Hardwoods / Open Woodland Forest

Select canopy thinning and removal of invasive tree stands is paired with pocket planting of native shrubs and warm season grasses. These savanna habitat pockets within the forest will improve nesting bird habitat.

Management Area 3: Mature Hardwood Forest

The selective removal of trees that crowd mature canopy trees is recommended. The rerouting of the southernmost trail should be a trail improvement priority. The implementation of interim measures such as the placement of water bars should be considered.

Management Area 4: Water Resource Protection

This area has been identified as the most sensitive habitat on site. Recommendations for invasive removal in this area are a priority. Additional BMPs should be implemented in areas that directly contribute to the headwater areas. This includes the conversion of lawn to meadow along First Ave; this area could be expanded via partnering with the adjacent fire house, adding their lawn to the meadow area. Installation of a vegetated swale/diversion berm in the eastern public works yard is recommended, as well as installation of a vegetative swale at the First Ave parcel.

There is an area of dense spruce planting that has eliminated forest floor planting, leading to rilling and erosion. The spruce should be removed, and a restoration planting of a successional meadow and hardwood tree saplings should be implemented.

Pipe inputs to this area should be properly dissipated and further exploration up watershed should be performed to determine if additional water quality BMPs can be implemented at the inlet source.

Forestry Management Recommendations



MALVERN
BOROUGH

WILLISTOWN
TOWNSHIP

GREENTREE RD

Stormwater Best Management Practices (BMPs)

Developed by the Pennsylvania Department of Environmental Protection (PADEP), *The Pennsylvania Handbook of Best Management Practices for Developing Areas* offers solutions for handling on-site stormwater. Best Management Practices (BMPs) that might be implemented within the Preserve include:

- Protect and restore riparian/forest buffers;
- Habitat restoration;
- Soil amendments to help infiltrate stormwater;
- Native tree planting;
- Native warm season grass planting;
- Rain gardens/bio-swales; and
- Diversion berms that help detain and infiltrate stormwater.

These facilities require site-specific soil tests to determine site suitability and the infiltration rates of the existing soils. These BMPs can have a direct positive impact on preserving and enhancing water quality in the Preserve. The opportunity for education exists through the placement of interpretive signage to educate Preserve visitors about watershed water quality and how BMPs can positively impact all sites. These improvements and educational signage could help fulfill Borough MS-4 requirements.



Stormwater BMPs



Existing

- Contour 2'
- Stream
- Sensitive Area
- Parcel Line
- Sidewalk
- Trail
- Road
- Building
- Project Area
- Outside Conservation Easement
- Municipal Boundary

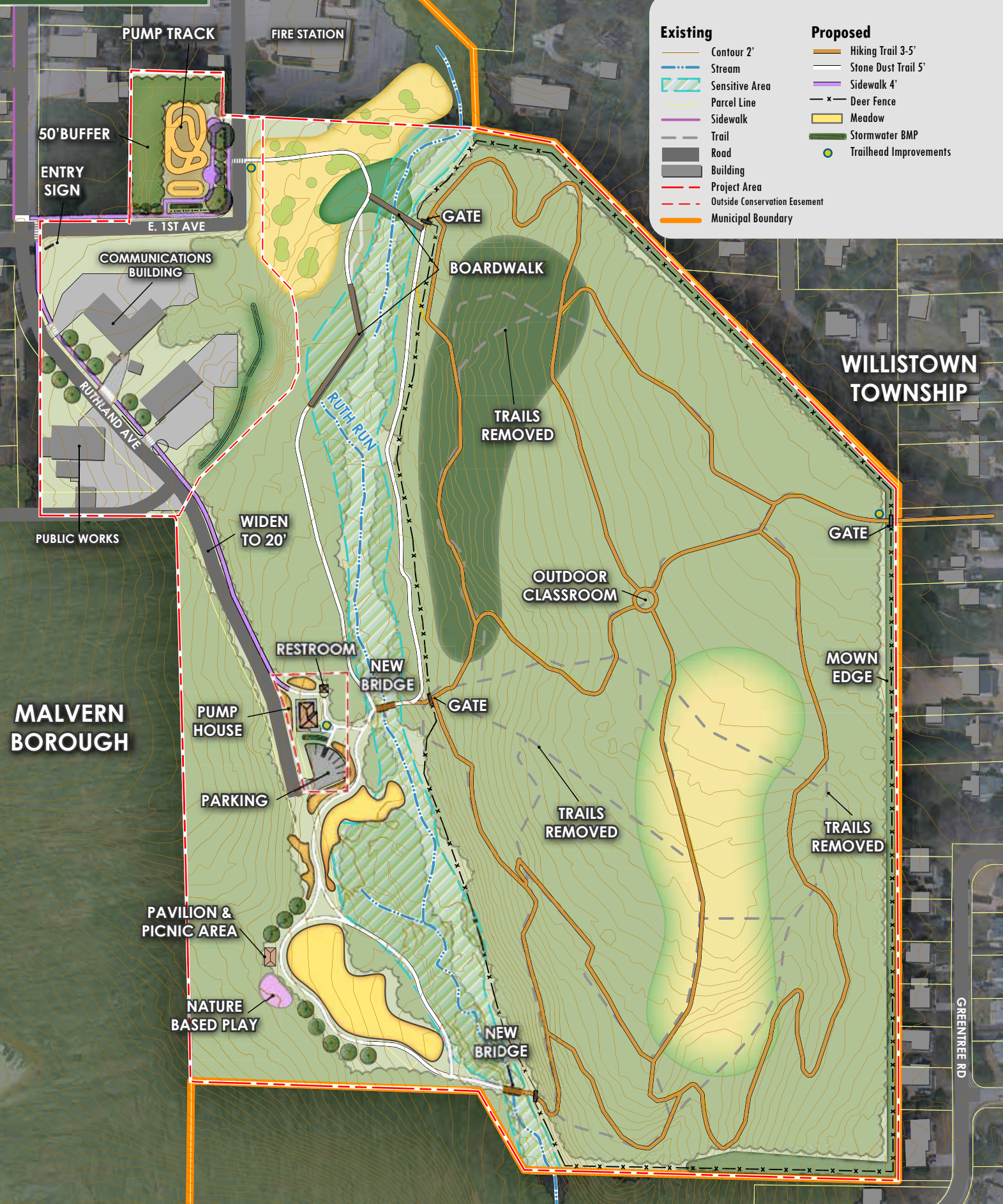
Proposed

- Hiking Trail 3-5'
- Stone Dust Trail 5'
- Sidewalk 4'
- Deer Fence
- Meadow
- Stormwater BMP
- Trailhead Improvements

WILLISTOWN
TOWNSHIP

MALVERN
BOROUGH

Design Elements



Design Elements

ADA Stone Dust Trail

A 5-foot wide compacted stone dust trail is proposed to provide an ADA-compliant trail option within the Preserve. The material provides a level and stable walkway while maintaining a rustic character. In key locations, the placement of boulders or logs along the edge can help prevent the migration of stone dust material. Benches should be located along the trail to allow users to stop and rest.

Hiking Trail

Hiking trails are the least expensive type of trail to install; however, they limit the types and number of trail users. Compacted earthen surfaces are primarily used for hiking and are often used to navigate the site in environmentally sensitive areas. Hiking trails do not meet strict ADA requirements; however, ADA trail guidelines should be referenced when determining final trail alignments.

Hiking trails will be 3-5 feet wide and composed of compacted earthen surfaces. A series of hiking trails currently exists throughout the site; the plan recommends the removal and realignment of some of these trails to eliminate stormwater erosion issues. Additional new trails are proposed. Hiking trails in the Preserve will be limited to pedestrian use.

Final trail alignments should minimize impacts to slopes and limit erosion. Trail design should follow best management practices:

- Improved/proposed trails to follow a curvilinear route that matches the terrain. Trails should be designed so that water will flow across and not along the trail (which would lead to erosion).
- Outsloping or cross slope: An outsloped tread is one that is lower on the outside or downhill side of the trail than it is on the inside or bankside. Outsloping lets water sheet across the trail naturally. The tread should be outsloped at least 5 percent. For ADA compliant trails, maximum cross slope should be 2%.

- Grade reversals or water dips: These are short sections of trail that change from climbing to descending, and then return to climbing. This reversal shortens the water flow along a path and enhances trail drainage.
- Waterbars: A waterbar is a built rock, log, and/or earthen structure placed perpendicular to the trail. Waterbars will intercept water flows along a trail and divert them. Waterbars do require the most maintenance and upkeep compared to other trail design devices and should be implemented as a last resort to alleviate trail erosion.

Sidewalks

Sidewalk design should conform to the Borough standard of a 4-foot wide brick and concrete surface. ADA curb cuts and crosswalks should be included. Though it is not required to include crosswalks at driveways, it is recommended that they be included at the two driveway crossings to define a clear pedestrian route through the Public Works area.

Footbridges & Boardwalk

The two existing bridges are constrictive to stream hydrology, which leads to bank erosion. These bridge approaches are not within ADA accessible slopes. New bridges should have a clear deck width of 5 to 6 feet with railings and should be located high enough to allow for high storm flows to pass beneath without significant obstruction. Wood structures would be in keeping with the rustic design vocabulary of the Preserve. The new bridges will require a "general" permit from PADEP.

There are areas along the stream corridor that have adjoining wetlands or sensitive habitat. A boardwalk is proposed in these areas. The boardwalk should have a clear deck width of 5-feet with toe railing. Wood or recycled plastic would be appropriate.

Restrooms

A restroom structure is proposed near the parking area, within the area not covered by the conservation easement. The structure should be connected to public water, sewer, and electric. The restroom should be located so that it is easily surveilled from the main driveway. The new restroom design should be economical and durable while offering a quality of design that can reinforce a cohesive Preserve identity. Two (2) unisex toilets are proposed.

Pavilion

A new pavilion can provide a place for people to gather while simultaneously functioning as a small event space. The new pavilion design should be economical and durable while offering a quality of design that helps to reinforce a cohesive park identity. As per the easement regulations, the pavilion should be no greater than 400 square feet in size. The pavilion is to be rustic in nature. Utilities services should include electrical, but water service is not anticipated. Picnic tables should be durable, easily cleaned, and accommodate wheelchairs.

Nature-Based Playground

Nature-based playgrounds use natural features such as boulders, landforms, tree trunks, and other natural elements in combination with manufactured equipment to create unique play environments, challenging children to use their imaginations and athletic skills. A 3,000 square foot nature-based play area with Fibar (manufactured wood product) safety surface is proposed.

Deer Fencing

Due to the site topography, a deer fence 10-12 feet in height is recommended. The fence material should be composed of heavy gauge, woven, and knotted galvanized metal mesh to hold up to the pressure of deer while maintaining an upright and taut fence line. To limit visual noise and allow for other wildlife to pass through, openings of 6 inches to 8 inches in size are appropriate. A 3-inch gap along the ground should be maintained near the wetland area to permit the free movement of turtles. Rot resistant wooden posts (such as black locust) should be used, and corner and gate posts should be reinforced. Gates should be self-closing and latching.





Interpretive Signage

The Master Plan offers opportunities for interpretive signage to educate the public on the history and natural processes of the site. These can vary in size, and should be designed to fit appropriately within the natural setting of the Preserve. The plan recommends 4-5 interpretative panels throughout the Preserve which can focus on the following topics:

- The importance of protecting stream headwaters;
- Stormwater Best Management Practices;
- Wildlife and habitat; and
- Site History.

Rules, Trail, & Educational Signage

Trailhead signage clearly noting the Preserve purpose and goal, rules for use, importance of deer control, and trail types and difficulties should be located at all preserve entry points. Trails should be well blazed for wayfinding with the inclusion of key trail markers so trail users can provide their general location in the Preserve in an emergency. It is recommended that dog owners secure a no-fee dog walking (on leash only) permit to use the Preserve. This will allow the Borough to track dog walkers, require dog owners to sign an agreement about pet control and waste pick up. Permit holder could have a bright badge to signify they have their permits.

Habitat Boxes

Man-made fauna habitats in the form of wildlife boxes are proposed to encourage habitats for bats, native birds, and native bees. Wildlife boxes can be potential projects for local boy scouts, girl scouts, and volunteer groups.

Site Furnishings

Site furnishings provide additional amenities and create a sense of uniformity in the Preserve landscape. Some of these improvements include benches, trash receptacles, signage, bike racks, and dog waste stations. In high-use areas, such as the picnic grove and parking area, these amenities should be chosen to be durable, blend seamlessly into the natural landscape of the Preserve, and meet ADA standards. In other areas, such as along hiking trails, these amenities may be as simple as a log bench.

Draft Master Plan

First Avenue Area

New sidewalks along the northern edge of First Avenue would connect the existing Borough sidewalk system to the First Ave Parcel and deliver pedestrians to a new secondary entrance into Randolph Woods. A new Randolph Woods Nature Preserve sign is proposed on the southeast corner of First Ave and Ruthland Ave to create better awareness of the Preserve within the neighborhood.

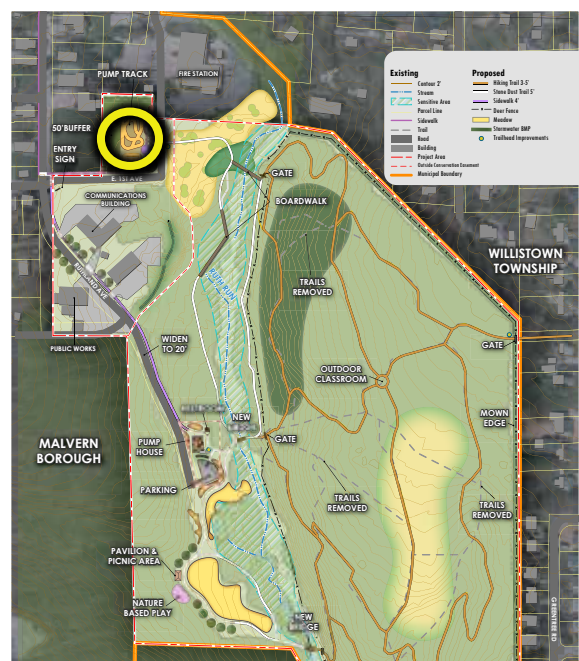
A new pedestrian crossing of First Ave connects to a proposed ADA stone dust trail, leading into the northern portion of the preserve. The trail passes through a new meadow, a riparian planting area, and wetland restoration plantings. As restoration in this area is undertaken, it will take on a new more natural look while creating a gradual visual transition of habitat from Borough infrastructure to the Preserve forest. This area will be a prime location for public education, meeting requirements of the Borough's MS-4 permit.

The First Ave Parcel has been identified as an appropriate location for a neighborhood-scale pump track. Pump tracks are training facilities geared towards mountain bikers to develop skills and upper body strength. They can vary in size: 5,000-10,000 square feet for a neighborhood

scale park to 10,000-20,000 square feet for a regional park. A 5,000-10,000 square foot size pump track is proposed to meet the needs of the Borough's mountain biking community.

Street trees, fencing along the road, internal walkways, and a small sitting plaza can create a user-friendly space while also defining a safe separation between the roadway and park. A 50-foot wide site setback from adjoining residential properties will be maintained and include an evergreen buffer planting. At the southern end of the parcel, a vegetated swale or rain garden BMP will collect and treat stormwater prior to passing under First Ave and being dissipated into MU#4.

The close proximity of the new pump track to the new pedestrian entrance will require consideration of both educational and physical design elements to reinforce the no biking policy of the Preserve. Clear signage concerning rules, educational signage, incorporation of bike racks, and placement of entrances and fencing can all help to reinforce Preserve policies. Additionally, developing a working relationship with the mountain biking community as a potential volunteer group for Preserve projects in conjunction with the development of the pump track could help to foster a long-term understanding of the goals of the Preserve.



First Avenue Pump Track

50' Buffer

First Avenue

Ruthland Avenue Entrance

New sidewalks are proposed on the eastern side of Ruthland Ave to create a safe pedestrian connection from the existing Borough sidewalks into the Preserve. Due to the amount of larger vehicle traffic moving in and out of driveways, crosswalks are proposed at the driveway. At the Public Works driveway, it is recommended that a single 20-24 foot wide driveway be defined with a curb bump out, eliminating the undefined free flow of traffic between the eastern and western maintenance yards along Ruthland Ave. Street tree planting and improved wayfinding signage will improve the pedestrian experience along this utilitarian corridor. Where Ruthland Ave enters the Preserve, the sidewalk will transition into a 5-foot wide asphalt side trail with a 3-foot buffer planting separating it from the driveway. The driveway should be widened to 20 feet to allow for the safe passing of cars.



Ruthland Avenue Entrance

50' BUFFER

ENTRY
SIGN

E. 1ST AVE

COMMUNICATIONS
BUILDING

RUTHLAND AVE

PUBLIC WORKS

WIDEN
TO 20'

RUTH RUN

Pump House & Parking Area

It is recommended that the parking area be striped to clearly define parking areas and designate two ADA parking spaces with a shared van unloading zone. The asphalt extension of the parking leading to the Pump House should be removed. Along the northern and eastern edge of the parking a proposed vegetative swale BMP will collect stormwater runoff from the parking area and filter it prior to being dissipated within the Ruth Run riparian buffer area. Additional meadow planting in the open area between the parking and stream edge will provide water quality and habitat benefits.

The industrial chain link fencing surrounding the pump house should be removed and a security level estate style (metal picket) fence should replace it in closer proximity to the building. The fence layout should interact with the building to ensure access to the low rooflines are secure. The utility pole next to the pump house formerly had a large electrical transformer on the pole. It is recommended that soil testing be conducted in the vicinity of the pole to test for the presence of any PCBs and appropriate soil remediation actions taken if warranted.

The Pump House is not suitable for adaptive reuse for a bathroom due to the extensive cost to retrofit an ADA facility within the building. It is recommended that a separate standalone bathroom be built as a more economical and easier to maintain solution. The bathroom is sited in the area outside the conservation easement with clear sight lines from both the driveway and parking area. A small 225 square foot structure with two single user occupancy restrooms and an exterior drinking / bottle filler fountain is recommended. The restrooms will require public water and electricity. They could also function as composting toilets. If composting toilets are pursued the depth to water table will need to be explored to ensure the feasibility. Sewered toilets will require a grinder pump to connect to Borough Sewer.

ADA stone dust trails originate from the van unloading area connecting to the pumphouse, restrooms, and preserve trails to the east, south, and along Ruthland Ave. A new trail head is proposed at the intersection of the trails in proximity of the parking area. A few accessible benches should be included near the trail head along with a bike rack.

Regarding the future of the Pump House four options exist:

Renovate. Renovate so that it is a usable building for historic interpretation and displays. The structure is 1150 square feet, with restoration costs estimated at a conservative \$350/SF, total renovation costs are estimated to be \$400,000. The cost of restoration to the building would need to be weighed against more critical preserve habitat restoration projects as well as be justified by the end use of the building. A feasibility plan should be developed for the structure restoration prior to a fundraising effort should this be the preferred option.

Modify. Explore options to partially demolish the walls and maintain the roof to create an open-air pavilion structure with an interpretive display centering around the spring box.

Interpretive Partial Demolition. Demolish most of the structure and leave the foundation walls up to a height of 3 feet. Interpret the historic use and spring box that remains in the building. Precedent example of a similar historic building interpretation is Franklin Court which uses a analogous technique to display the home of Benjamin Franklin. This master plan suggests that this is the most realistic option.

Wait. Continue to use the building for maintenance storage, taking precautions to ensure the roof and walls are weather tight. "Mothballing" of the structure for the time being, will preserve the structure allowing the potential use and interpretation to be revisited in the future.



**WIDEN
TO 20'**

RESTROOM

**NEW
BRIDGE**

GATE

**PUMP
HOUSE**

PARKING

Picnic Meadow

Located south of the pump house area is an area identified as the picnic area by the conservation easement. It is recommended that the former gravel road be removed from this area and a 0.15-mile stone dust loop trail be developed. This loop can weave in and out of the wooded area along the Ruth Run. A pollinator meadow is proposed for the interior of the loop with the option of maintaining a small lawn for informal play and a few mown paths through the meadow. Along the forest edge native ornamental trees and shrubs such as Redbud, Serviceberry, Sweetshrub, and Viburnum should be planted to soften the transition from field to forest while providing seasonal interest. Located at the top of the slope along the western tree line is a picnic pavilion and nature-based play area. Both will offer views across the meadow. The continued development of bird and pollinator habitat boxes is recommended for this area. Benches (2-3 total) are recommended along the northern edge of the meadow trail.



HOUSE

Picnic Meadow

PARKING

**PAVILION &
PICNIC AREA**

**NATURE
BASED PLAY**

**NE
BRID**

Themed Loop Trails

Duffryn Trail

The Duffryn Trail runs through the central portion of the eastern forest and has been identified as a major trail connection in the Malvern Borough Willistown Greenway plan. As identified in the plan, this trail is to remain a dirt hiking trail. Though this section of the Greenway will not be truly ADA accessible, the master plan does recommend trail improvements to the Duffryn Trail to make it more accessible and address stormwater runoff. An improved footbridge near the parking area will meet ADA standards. The inclusion of switchbacks and level resting areas will address stormwater concerns while making trails more user friendly to a greater population.

Located along the trail is an outdoor classroom. Placed within a naturally level portion of the woods at the intersection of two major trail loops the classroom can offer a place for small groups to gather (10-15 people) and serve as a wayfinding landmark within the Preserve.

Trailhead amenities should be included at the Duffryn Ave entrance into the Preserve along with plantings to denote a sense of arrival. Amenities should include Preserve map and rules, bike racks, and 1-2 benches.

ADA Headwaters Loop

A 5' wide ADA stone dust trail 0.36-mile loop trail is proposed for the northern area of the site along both the east and west banks of the Ruth Run. As the area passes through sensitive habitat and wetlands portions of the trail would be 5-foot wide boardwalk. A portion of the boardwalk will incorporate a 10x10-foot deck area with a bench at a key view area for educational interpretation and wildlife viewing. Interpretive signage in this area can focus on the importance of headwater protection. Additionally, the trail would connect the new northern Preserve entrance to the pump house trailhead and picnic meadow areas. A new stream crossing at Ruth Run will be required at the northern limits of the trail. Due to its high location in the watershed and limited stream width it is

anticipated that a boardwalk structure can be used in this location. This trail would be outside the recommended deer fencing area so that there are no barriers (gates) that would impede trail users.

Pine Plantation Bird of Prey Loop

A 3' wide dirt trail is proposed for the pine plantation area east of the Ruth Run. The loop trail uses the existing trail network and incorporates new switchbacks where former trails had steep slopes. This loop also includes a new trail along the northern edge of the pine plantation. The entire loop trail is 0.42-miles in length. Interpretive signage in this area focuses on the history of White Pine in Pennsylvania and this tree's importance as habitat - particularly for nesting hawks and owls.

Hardwood Birders Loop

A 3' wide dirt trail is proposed for the mixed hard wood portion of the forest. The double loop trail incorporates the existing trail network, with a new trail switch back where former trails had steep slopes and erosion, and a trail realignment to intersect with the outdoor classroom. The upper loop trail is 0.50 miles long; the lower loop is 0.42 miles long and the full outer loop is 0.63 miles long. This trail system would connect into the picnic meadow loop trail via an improved footbridge over Ruth Run. The trails system interacts with all areas of the forest from stream edge, to understory restoration openings, to mature canopy trees, and provides an opportunity for bird and wildlife viewing. Interpretive Signage focuses on the decline in viable bird habitat in typical suburban forests and highlights the importance of restoration measures taken to improve Randolph Woods habitat.

Full Loop Trail

This loop trail is a 3-5' earthen hiking trail that is 0.88 miles in length. This trail forms a perimeter loop around the central forested area of the Preserve.

Themed Loop Trails

Pine Plantation Birds of Prey Trail

ADA Headwaters Loop

Hardwood Forest Birders Loop

Full Loop Trail

Duffryn Trail

ADA Accessibility

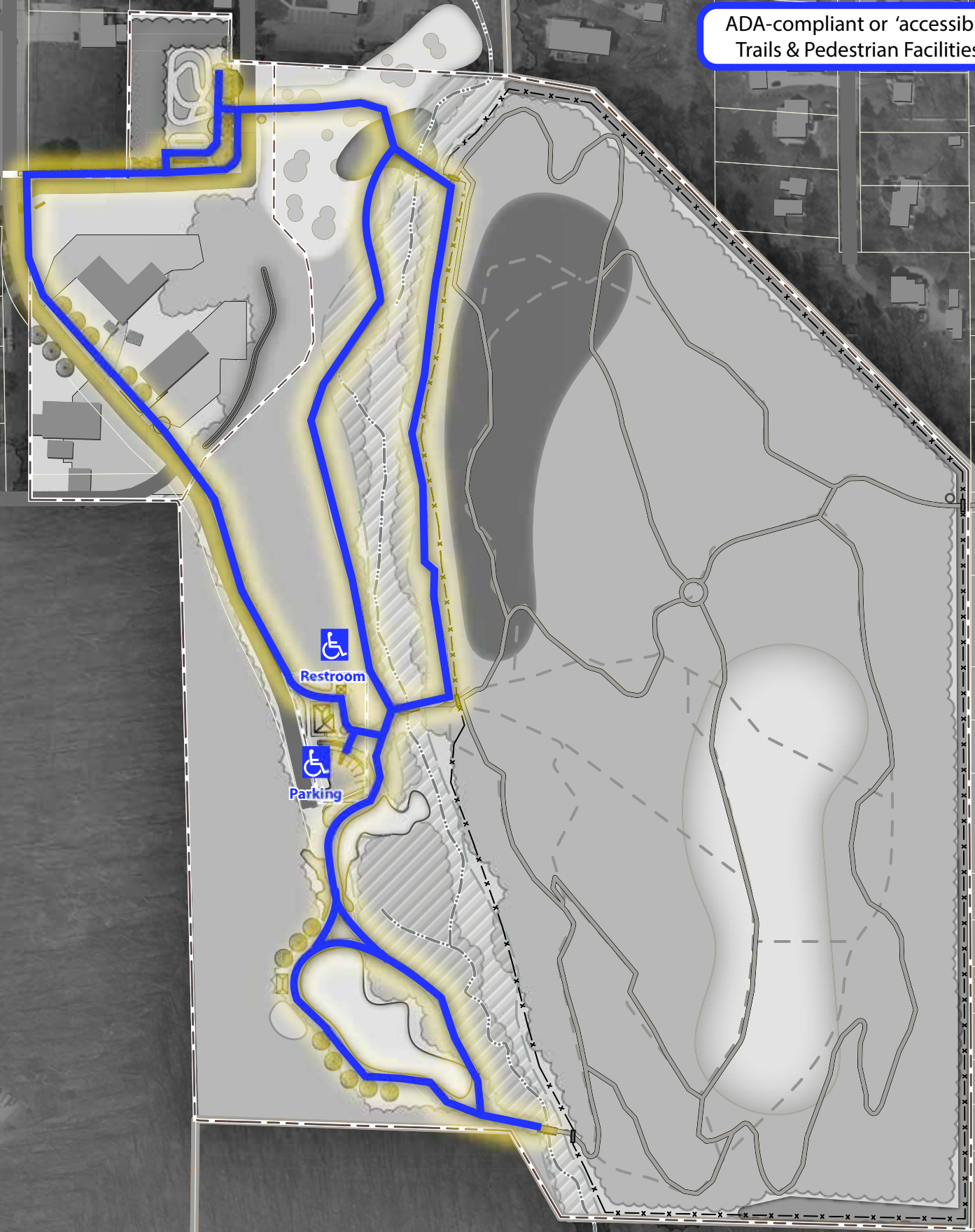
All improvements must be designed in accordance with the most recent version of the ADA Accessibility Guidelines for Buildings and Facilities. The most updated information can be found at <http://www.ada.gov>. The map to the right depicts improvements that conform to ADA Accessibility Guidelines.

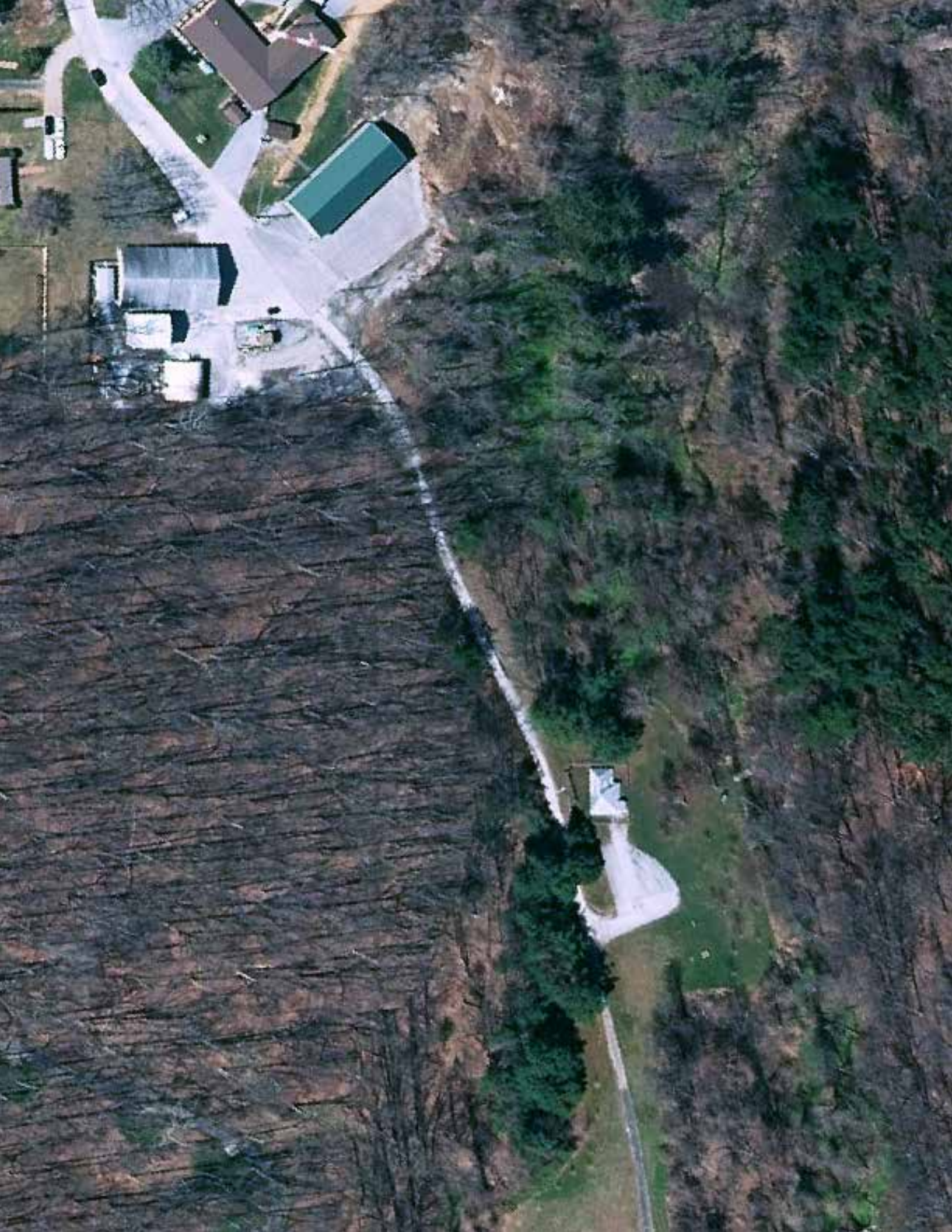
In addition to the above guidelines, consideration should be given to the Final Accessibility Guidelines for Outdoor Developed Areas 2013 (<https://www.access-board.gov/guidelines-and-standards/recreation-facilities/outdoor-developed-areas/final-guidelines-for-outdoor-developed-areas>). Preserve hiking trails should meet these guidelines when feasible - below is a list of requirements:

- Surface: firm and stable
- Clear tread width: 36" minimum
- Tread Obstacles: 2" high maximum (permitted on earthen trails)
- Cross Slope: 2% max.
- Running slope (trail grade) meets one or more of the following: (5% or less for any distance; up to 8.33% for 200' max. Resting intervals no more than 200' apart; up to 10% for 30' max. Resting intervals 30'; up to 12.5% for 10' max. Resting intervals 10'; No more than 30% of the total trail length may exceed a running slope of 8.33%;
- Passing Space: provided at least every 1000' where trail width is less than 60"
- Signs: shall be provided indicating the length of the trail or trail segment: (Surface type; Typical and minimum tread width; Typical and maximum running slope; and Typical and maximum cross slope.)



ADA-compliant or 'accessible'
Trails & Pedestrian Facilities





An aerial photograph of a residential neighborhood. On the left side, there is a large, dense forest with trees showing autumn colors in shades of brown, orange, and yellow. To the right of the forest, several houses with varying roof colors (grey, brown, white) are visible, interspersed with green lawns and some smaller trees. A road or driveway is visible in the upper right corner.

4

Implementation

Estimated Costs of Development Summary		
1. Ruthland Ave Entrance	\$	198,000
Total Proposed Site Improvements	\$	158,200
Design and Engineering (10%)	\$	15,900
Construction Cost Total	\$	23,900
2. First Ave Entrance	\$	173,000
Total Proposed Site Improvements	\$	138,200
Design and Engineering (10%)	\$	13,900
Construction Cost Total	\$	20,900
3. Pump House Area	\$	262,100
Total Proposed Site Improvements	\$	209,600
Design and Engineering (10%)	\$	21,000
Construction Cost Total	\$	31,500
4. Picnic & Play Meadow	\$	217,600
Total Proposed Site Improvements	\$	174,000
Design and Engineering (10%)	\$	17,400
Construction Cost Total	\$	26,200
5. Trail Improvements	\$	259,900
Total Proposed Site Improvements	\$	207,800
Design and Engineering (10%)	\$	20,800
Construction Cost Total	\$	31,300
Forest Management and Restoration	\$	601,400
Total Proposed Site Improvements	\$	481,000
Design and Engineering (10%)	\$	48,100
Construction Cost Total	\$	72,300
Preserve Wide Improvements Total:	\$	1,712,000
Total Proposed Park Wide Site Improvements	\$	1,368,800
Design and Engineering (10%)	\$	137,100
Construction Cost Total	\$	206,100

* Construction Cost Include are estimated as a percentage of the total improvement cost. They include: Mobilization 3%, Erosion & Sedimentation Control 2%, and Construction Contingency 10%

Probable Costs of Proposed Improvements

Probable cost for improvements at Randolph Woods Preserve were established based on unit costs from construction projects of similar scope and scale; and reflect prevailing wage rates that are required for publicly bid construction projects. The probable cost of development for the improvements at Randolph Woods

Preserve are estimated at \$ 1,712,000. Included in the total estimated cost are: design and engineering fees of \$ 137,100, estimated at 10% of the total project cost; and a construction cost of \$ 206,100. Construction Cost are estimated as a percentage of the total improvement cost; they include: Mobilization at 3%, Erosion & Sedimentation Control at 2%, and a Construction Contingency of 10%. A detailed cost estimate of proposed improvements is provided in the appendix of this report.

Phase A

- Deer Fencing & Educational Signage
- Pump Track

Phase B

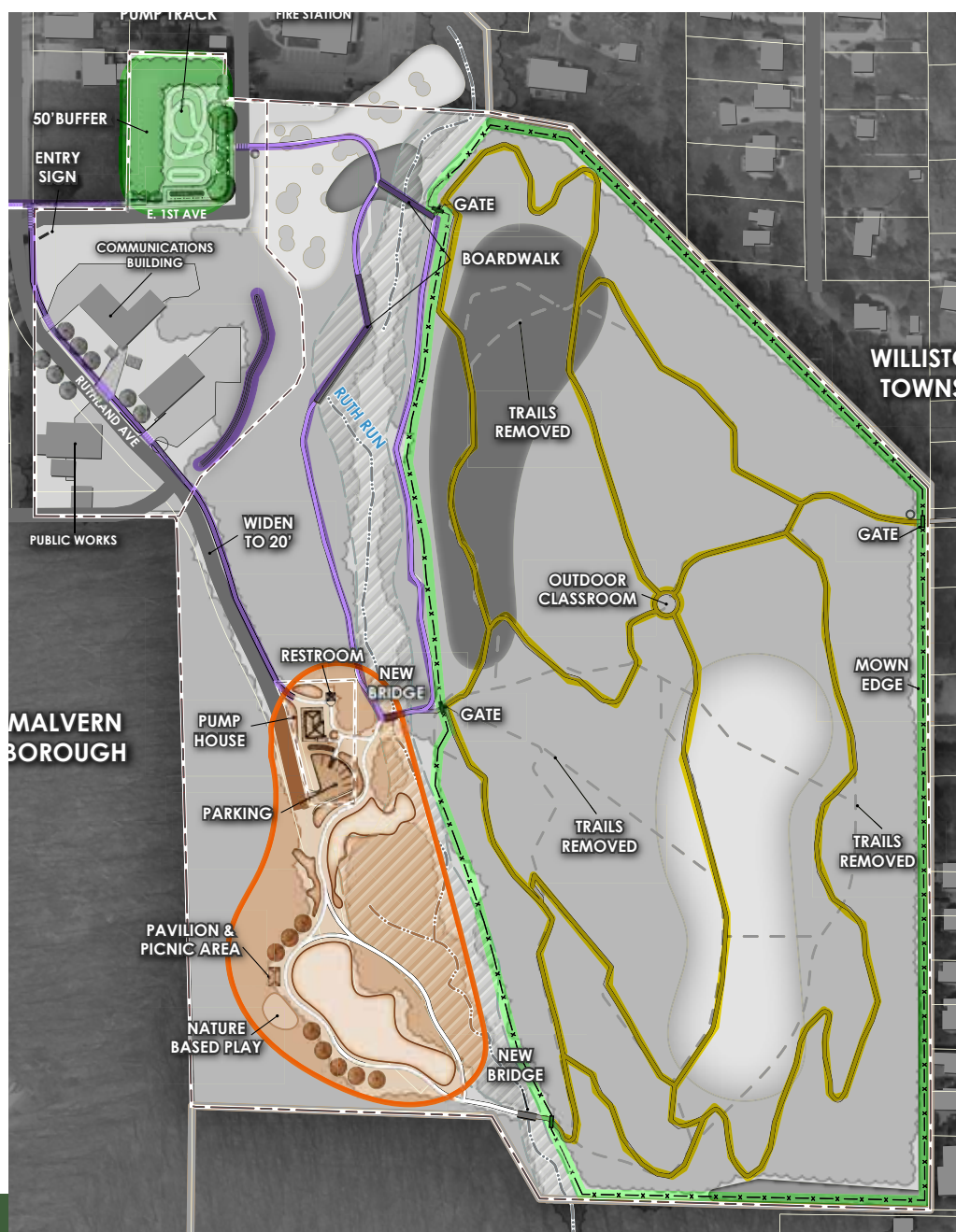
- Sidewalk Improvements
- Entry Signage
- BMP
- First Ave Connection
- ADA Headwaters Loop Trail

Phase C

- Picnic Pavilion
- Nature Play
- Meadow Loop Trail
- Restrooms
- Parking Improvements

Phase D

- Interior Hiking Trail Improvements



Project Phasing

Improvements to Randolph Woods Preserve will be implemented in phases as funding becomes available. Discussions with the Borough on project priorities resulted in the phasing plan and chart above. The phasing plan is strategic depicting the desired approach toward implementation. If funding opportunities for

specific projects become available before others, the phasing plan can be changed. The estimated 10-year management and forest restoration plan should be implemented and phased separately from additional site improvements A through D detailed above.

Design, Engineering & Permitting

Chapter 105/106 General Permit

The constructions of bridges, boardwalks, and restoration plantings will require a PaDEP chapter 105/106 general permit. To complete the permit application the delineation of wetlands will be required. During the permit process it may be determined that a survey for bog turtle habitat be conducted and a follow up bog turtle survey could be required.

NPDES Permits

Construction projects that involve the disturbance of more than one acre of earth will require a National Pollutant Discharge Elimination System (NPDES) permit. The permit is a federal requirement that is administered at the state level with the overall goal to improve water quality.

The permit plans are divided into two (2) parts. First, all project phases must comply with the stipulations of PA Code Chapter 102, Erosion and Sediment Control and are reviewed and approved by the local Conservation District. The Erosion & Sedimentation Pollution Control plans (ESPC) are to be implemented by the contractor throughout construction until the site is stabilized by permanent plant growth. A second part of the NPDES permitting process is proposed stormwater management areas. The Post Construction Stormwater Control Plans (PCSC) are designed to manage stormwater for the 2-year storm event with the goal of infiltrating it into the ground. BMP facilities are to be constructed during the project, recorded as part of the property deed, and maintained by the site owner for the life of the improvement.

In some cases, local conservation districts will waive NPDES requirements for trail projects that disturb slightly more than 1 acre of land. Conservation districts usually wish to review the project development plan, even if it will be constructed in phases. The master plan identifies general types and locations of BMP facilities that may be required to secure required permits.



Maintenance Recommendations & Responsibilities

The Borough should develop and fund a formalized maintenance program based on information in this master plan as well as from other sources. The Preserve's design minimizes maintenance cost while focusing on safe access and habitat restoration to the Preserve. Management of the Preserve is based on the needs associated with re-establishing and enhancing habitat and providing safe public access and trails. Habitat management requires maintenance at key times during the year. Proposed meadows should be mowed one time a year in the early spring. This deters woody plant species from establishing while maintaining winter animal habitat. Shrubland and reforestation areas will require periodic removal of invasive plant species. As the primary improvement to the Preserve, trail maintenance should not be deferred. The regular review and maintenance of trails will maintain a safe user environment while identifying any necessary repairs. Maintenance of the Preserve restroom and regular removal of trash will be required. Restroom should also be locked at night to deter vandalism. Periodic repairs may be necessary to maintain the quality of facilities at Randolph Wood Preserve.

The following is a monthly outline of basic maintenance tasks that should be completed. The frequency (by month) of these maintenance tasks is indicated in parentheses.

January

Inspect trails, bridges & culverts / make repairs (1)

February

Inspect trails, bridges & culverts / make repairs (1)

Signage inspection and repairs (1)

Inspect and mechanically remove invasive plants

March

Open restrooms (1)

Clean restroom Bi-weekly (2)

Inspect trails, bridges & culverts / make repairs (1)

Mow warm season meadows (1)

First mowing of trails shoulders (1)

Inspect site trees for winter damage / perform work (1)

Inspect and mechanically remove invasive plants

Inspect BMPs and remove debris as required (1)



April

Clean restrooms twice weekly (8)
First mowing of trails shoulders (1)
Plant / replant (re-vegetate target areas) (1)
Inspect trails, bridges, and culverts / make repairs weekly (4)

May

Clean restrooms twice weekly (8)
Mow trails shoulders bi-weekly (2)
Inspect trails, bridges, and culverts / make repairs weekly (4)

June

Clean restrooms twice weekly (8)
Mow trails shoulders bi-weekly (2)
Inspect trails, bridges, and culverts / make repairs weekly (4)

July

Clean restroom twice weekly (8)
Mow trails shoulders bi-weekly (2)
Inspect trails, bridges, and culverts / make repairs weekly (4)
Inspect meadows for invasive plants – Mow ½ of meadow if required (1)

August

Clean restrooms twice weekly (8)
Mow trails shoulders bi-weekly (2)
Inspect trails, bridges, and culverts / make repairs weekly (4)

September

Clean restrooms weekly (4)
Mow trails shoulders (1)
Signage inspection (1)
Inspect trails, bridges, and culverts / make repairs weekly (4)

October

Clean restroom weekly (2)
Mow trails shoulders (1)
Inspect trails, bridges, and culverts / make repairs weekly (4)
Inspect BMPs and remove debris as required (1)

November

Winterize restrooms Mid-Month (1)
Inspect trees / prune as required (1)
Inspect trails, bridges, and culverts / make repairs biweekly (2)

December

Inspect trails, bridges, and culverts / make repairs biweekly (2)

Funding Sources

The following is a resource of grants, programs, funds, and other sources that can assist with the funding of the Preserve design and construction. Various sources can be pursued during various phases, based on availability of funds and priorities for each year.

Pennsylvania Department of Conservation & Natural Resources (Pa DCNR) - Community

Community Conservation Partnership Program (C2P2)

The Community Recreation and Conservation Program through the PA DCNR Community Conservation Partnership Program (C2P2) provides funding to municipalities and authorized nonprofit organizations for recreation, park, trail, and conservation projects. These include planning for feasibility studies, trail studies, conservation plans, master site development plans, and comprehensive recreation park and open space and greenway plans. In addition to planning efforts, the program provides funding for land acquisition for active or passive parks, trails and conservation purposes, and construction and rehabilitation of parks, trails, and recreation facilities. Most of these projects require a 50% match, which can include a combination of cash and/or non-cash values. An implementation or construction grant is the next stage grant from DCNR. Grant applications for the C2P2 program are accepted annually—usually in April.

More information can be found at: <http://www.dcnr.state.pa.us/brc/grants/grantpolicies/index.htm>

DCNR Forest Buffer Program

The Riparian Forest Buffer Program through PA DCNR provides funding for organizations implementing a variety of forest buffers including conventional riparian forest buffers and multi functional buffers. The state of Pennsylvania has a goal of planting 95,000 acres of



riparian buffers by 2025 to improve state waterways and the Chesapeake Bay. There is no match required to be eligible for this grant.

Grant applications are usually accepted October to late December. More information is available on the PA DCNR website: <https://www.dcnr.pa.gov/Conservation/Water/RiparianBuffers/Pages/default.aspx>

DCNR has provided funding to County Conservation Offices. Grants awards are made by the local conservation office for the planting of multifunctional buffers. These grants do not require match.

Pennsylvania Department of Environmental Protection (PADEP)

DEP Growing Greener Watershed Protection Program

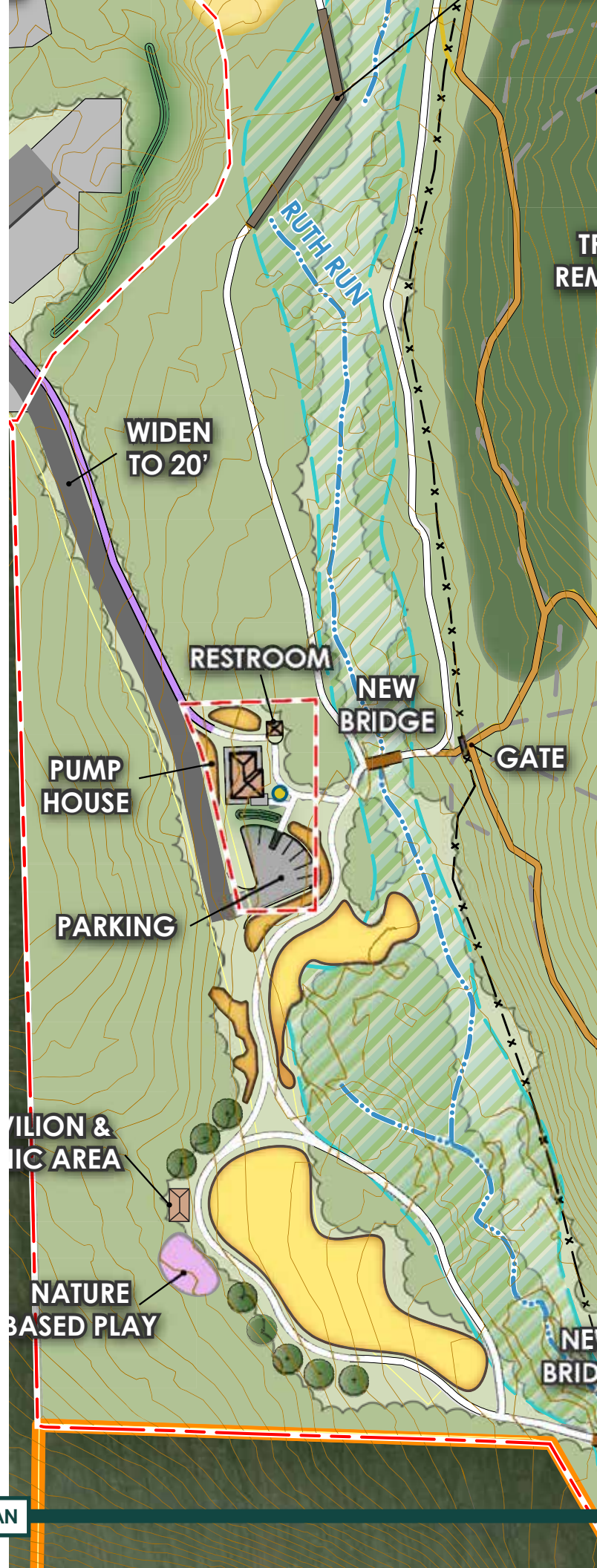
Funded through the state Growing Greener Environment Stewardship Funds applications should be targeted towards clean-up of non-point source pollution. The grant will fund local watershed-based conservation projects with the average award is \$150,000 and requires a 15% match from a non-DEP fund source. The next application period is due in January.

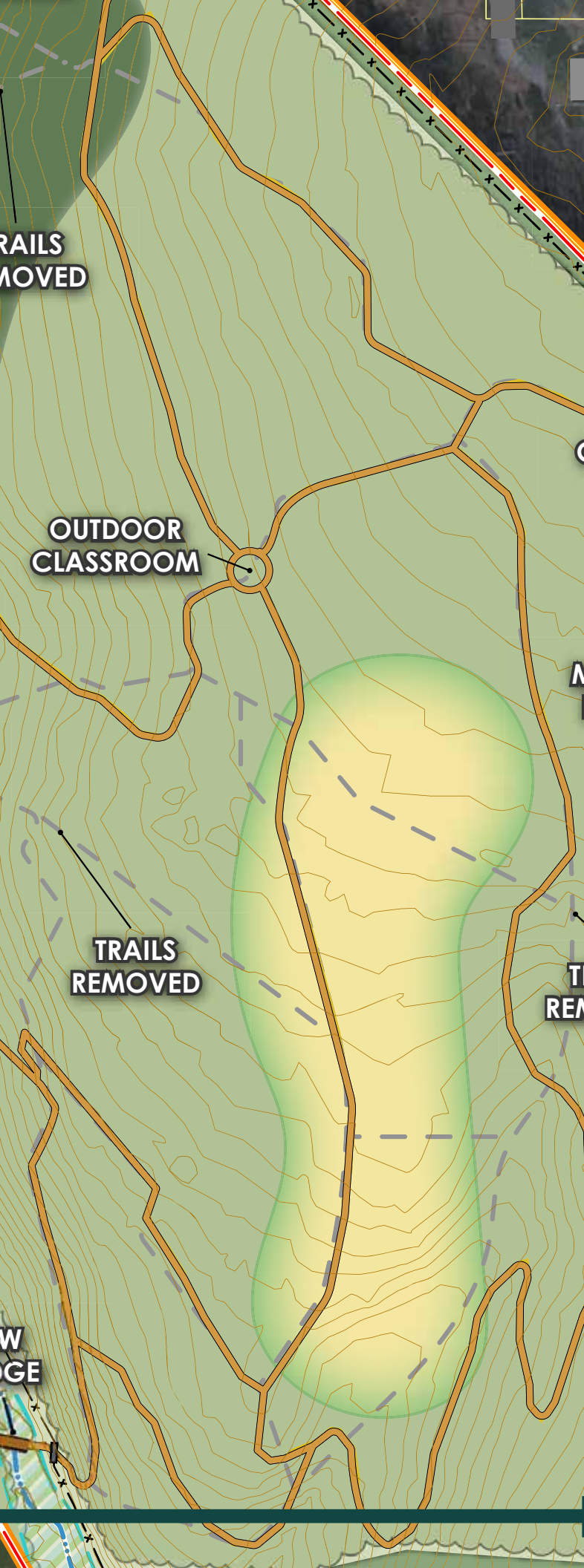
More information on this program can be found at the DEP website: <http://www.dep.pa.gov/Citizens/GrantsLoansRebates/Growing-Greener/Pages/default.aspx>

Dep Non-Point Source Implementation Programs Grant

Provides funding assistance for projects aimed at implementing Pennsylvania's Non-point Source Management Program. Targeted projects include control of urban runoff, and natural channel design/stream bank stabilization projects. The grant will fund local projects with the average award is \$200,000. The application period is typically in July.

More information on this program can be found at the





DEP website: <http://www.dep.pa.gov/Business/Water/PlanningConservation/NonpointSource/Pages/default.aspx>

Department of Community and Economic Development (DCED)

Commonwealth Financing Agency (CFA) - Greenways, Trails and Recreation Program (GTRP)

The Greenways, Trails, and Recreation Program (GTRP) provides funding for: public park and recreation area projects, greenway and trail projects, and river or creek conservation projects. The program requires a 15% local cash match of the total project cost and projects must not exceed \$250,000. The application period is typically in June. More information can be found at: <https://dced.pa.gov/programs/greenways-trails-and-recreation-program-grtp/>

Watershed Restoration and Protection Program (WRPP)

DCED Watershed Restoration and Protection Program is a funding program to restore, and maintain restored stream reaches impaired by the uncontrolled discharge of nonpoint source polluted runoff. Funds may be used for construction, improvement, expansion, repair, maintenance, or rehabilitation of new or existing watershed protection BMPs; stream bank bio-engineering; and design services. Grant applications cannot exceed \$300,000 and require a 15% matching funds. Applications are typically due in June for consideration in September. More information can be found at: <https://dced.pa.gov/programs/watershed-restoration-protection-program-wrpp/>

PennVest (Pennsylvania)

Infrastructure Investment Authority)

PennVEST offers both grants and low interest loans for projects that help to manage stormwater and improve water quality. Several of the proposed recommendations will be of interest to PennVEST since they include stormwater BMPs.

More information can be found at: <https://www.pennvest.pa.gov/Information/Funding-Programs/Pages/default.aspx>

Chester County's Preservation Partnership Grant

Chester County's Preservation Partnership Grant Program, administered by the Department of Parks + Preservation. The Municipal Park and Trail Improvement Grants fund park facility and trail construction costs at a maximum of 50% up to \$250,000 for parks of 20 or more contiguous acres, and a maximum of 25% up to \$100,000 for parks less than 20 acres. Eligible projects include (a) construction of recreation facilities within parks such as ball fields, tennis courts, basketball courts, trails, playgrounds, nature study areas, and pavilions; and site amenities associated with and supporting the recreational improvements, and (b) small-scale, nature-based improvements within parks that will benefit water quality or contribute to habitat restoration, such as riparian buffer plantings, native plantings, and rain gardens.

More information can be found at: <https://www.chesco.org/4321/Preservation-Partnership-Grants>





The PECO Green Region Open Space Program

The PECO program awards grants for southeastern Pennsylvania municipal and non-profit (within the City of Philadelphia) efforts to preserve, protect, and improve open spaces.

PECO Green Region has awarded nearly \$2.4 million to municipalities and non-profit organizations since 2004. The total population of communities receiving grants is 3 million, representing 75 percent of the five-county region's residents.

Eligible applicants are any township, borough, city, or regional recreational authority within PECO's service territory in Bucks, Chester, Delaware, Montgomery, or York counties (eligible applicants must receive gas and/or electric service from PECO)

More information can be found at: <https://natlands.org/what-we-do/growing-greener-communities/peco-green-region/>

Environmental Education

The Pennsylvania Environmental Education Grants Program awards funding to schools, nonprofit groups, and county conservation districts to develop new or expanded current environmental education programming. The funds are administered through the Pennsylvania Department of Environmental Protection for projects ranging from creative, hands-on lessons for students and teacher training programs to ecological education for community residents. Educational Resources, including exhibits, educational signage, and demonstration projects, also qualify for funding. Grant applications cannot exceed \$3,000 and require no match, however it is recommended. Applications are due in December and awarded in April.

More information can be found at: <http://www.dep.pa.gov/citizens/environmentaleducation/grants/pages/default.aspx>



Legislative Funding

State and federal elected officials can sometimes include items into legislation for worthy projects in their districts. A conversation between county and municipal officials and legislators is the way to begin this process. This type of funding should be targeted toward capital improvement projects.

Private Foundations

There may be regional corporations and foundations that support public works such as park development. Competition for these funds is usually brisk, but opportunities should be researched. Funding is often to non-profit organizations.

Foundations and institutions represent another potential source of funding for education-related site improvements and programming. Grants are available to support student field trips, provide teacher training in science, and provide other educational opportunities. Education tied to research can increase the pool of potential funds. The science community and research institutions are the logical starting points for solicitation foundation funds.

Schools and Local Organizations

Local schools and local organizations may also be of assistance in several ways. Local scout groups and mountain bike community are two such examples. These groups might get involved with club, fundraising events, and park cleanup days. The school faculty might incorporate the Preserve, especially the proposed environmental education areas and nature trails, into various curricula with students helping to develop and volunteer time to maintain the Preserve as part of a classroom assignment or after school club. While the amount of funds raised may be relatively small, this process builds constituents and support that is critical to the long-term success of the Preserve.

Friends of Randolph Woods Nonprofit

Similar to participation by school groups, the establishment of a non-profit (501(C)3) Friends-of-the-Park group can help raise grass roots funding for the park and be a conduit for tax-deductible donations and foundation funding. For more detailed guidelines for establishing a (501(C)3) non-profit charitable organization in Pennsylvania: <https://pano.org/starting-a-nonprofit-organization-in-pennsylvania/>







5

Appendix



Forest Management Plan

Randolph Woods Ecological Conditions
Assessment

Final Report to Borough Council Randolph
Woods Nature Preserve

2001 Conservation Easement

2017 Site Survey

Estimated Cost of Development

Meeting Notes

Public Opinion Survey

Public Letters

Willistown Conservation Trust Letter

Applicable Borough Codes

Draft Report Comments

Community Bicycle Petition

DRAFT FOREST MANAGEMENT PLAN



Date Prepared: 5/ 29/ 2020: by Patrick Fasano: Owner of Comprehensive Land Services
Plan Time Frame: 2020 – 2030
Property Owner: Borough of Malvern: Randolph Woods Nature Preserve
Address: Ruthland Ave, Malvern, PA 19335
Telephone: Borough office
Email: Borough email
Legal description or directions to site: The property is located in the Southeastern portion of Malvern Borough along with the border of Willistown Township. A 43 acre park with 38 acres covered by a conservation easement with the Willistown Conservation Trust.

Property Code:
Prepared By: Patrick Fasano
Company: Comprehensive Land Services
Address: 1911 Barren Road Oxford PA 19363
Telephone: 610 564 5222 Comprehensive Land Services.
Email: pfasano@aol.com web site: comprehensivelandservices.com

GENERAL INFORMATION

General Property Information

Description of resources and level of interest from landowner Randolph woods is a 41 acre park with 38 acres currently under a conservation easement with the Willistown Conservation Trust. The property is located in the Southeastern portion of Malvern Borough along with the border of Willistown Township. Landowner interest: Strong support from the borough and the community the property remain in its natural state. Protect the public water and establish greater accessibility for hiking, walking, and environmental education.

Total land area: 41 acres, approximately 35 acres of woodland.

Total number of stands/mgmt. units: 4 total management units:
3 Management units for Forest management. Management Unit 1 =4.4 acres.
Management unit 2 =4.5 acres: Management unit 3 =17.4 acres. Total of 26 acres for Forest management units.

Management unit 4(head water and stream buffer protection area). No active forestry except invasive removal. = 9 acres. Total acreage addressed in the plan = 35.3 acres.

Region/subsection or ecosystem type:

USFS - Bailey, Central Appalachian Broadleaf Forest, PA - Piedmont Upland Section.

General property description:

The property is located in an urban area, with residential properties bordering to the North, and additional woodlands to the South and East. The tree species present in order of abundance include: Tulip poplar, black oak, black birch, white oak, hickory, red maple, chestnut oak, black walnut, sugar maple and a few basswood. Depending on the stand, invasive species are invading and are a problem. Coupled with the high deer population, the invasives are prohibiting regeneration in many of the stands.

A head water first order tributary to Crumb Creek, and first order of Ruth Run: traverses through the property. Crumb Creek is considered an exceptional value stream. So special care should be taken to have a buffer of at least 100 feet from the creek if there will be any trees cut. A buffer protection area is noted on the map.

The topography ranges from relatively flat areas in the northern section of the property with steep slopes in the southern section of the property near the stream.

Description of surrounding properties:

The surrounding properties are basically urban in nature, with housing developments adjacent to the park to the north and west.

Soils information:

The soils are Manor loam (MaC), Glenelg silt loam (GgB), Glenville silt loam (GIA), Manor loam (MaE), and Manor loam (MaD).

Management access:

The Randolph woods property is open to the public, so there is good access to the woodlands. Steeper slopes in the southern portion, and Stream buffer area.

Presence of threatened and endangered species:

I recommend a PNDI search for the property.

Cultural importance:

The property was put under a conservation easement in September 2001

Man-made assets include a spring house that may have recommendations to be improved for recreational activities. Based on the Simone Collins recommendations, and the Borough.

Map information:

An aerial photo and a contour map are included in the appendix of this plan.

NOTE: Additional maps may be provided by Simone-Collins

Glossary of Forestry terminology used in this plan

Basal Area — (a) The cross-sectional area (in square feet) of a tree trunk at breast height (4.5 feet above the ground). For example, the basal area of a tree that measures 14 inches in diameter at breast height is about 1 square foot. (b) The sum basal areas of the individual trees within 1 acre of forest. For example, a well-stocked pine stand might have a basal area of 80 to 120 square feet per acre.

Board foot - a unit for measuring wood volume in a tree, log, or board. A board foot is commonly 1 foot by 1 foot by 1 inch, but any shape containing 144 cubic inches of wood equals one board foot.

Canopy - the continuous cover formed by tree crowns in a forest.

Cruise - a forest survey used to obtain inventory information and develop a management plan.

Diameter at breast height (dbh) - standard measurement of a tree's diameter, usually taken at 4 1/2 feet above the ground.

Forest Stewardship Plan - a written document listing activities that enhance or improve forest resources (wildlife, timber, soil, water, recreation and aesthetics) on private land over a five-year period.

Invasive species – include multiflora rose, honeysuckle, barberry and Japanese stilt grass.

Log rule - a method for calculating wood volume in a tree or log by using its diameter and length. The international 1/4-inch rule (which is used throughout this plan), is the most accepted Log rule for DCNR Stewardship plans in Pennsylvania.

Overstocked - the situation in which trees are so closely spaced that they compete for resources and do not reach full growth potential.

Pole timber, trees 4 to 11 inches dbh.

Prism – this is a sampling tool that is a clear 2 inch by 4 inch clear glass square used to determine Basal area at each sample point. This is the devise used to determine Basal Area.

Pulpwood - wood suitable for use in paper manufacturing, which is measured in tons. Trees that are 4 to 11 inches in diameter, are also called pulpwood.

Regeneration - the process by which a forest is reseeded and renewed. Advanced regeneration refers to regeneration that is established before the existing forest stand is removed. Regeneration is sampled by counting all of the small native saplings within a 6 foot circle, at each plot sample location, then that number is blown up to represent the number of samples taken within a stand.

Saw log - a log large enough to be sawed economically at a saw mill. Saw logs are usually at least 14 inches in diameter (sometimes as small as 12 inches in diameter) at DBH, and 10 inches in diameter at the small end.

Saw timber stand - a stand of trees whose average dbh (diameter at Breast Height) is greater than 14 inches. A diameter tape or a Biltmore stick is used at each plot to measure saw timber.

Silviculture - the art and science of controlling the establishment, growth, composition, health and quality of a forest, by implementing a management tool for the improvement of the forest.

Site index - a measure of the quality of a site based on the height of dominant trees at a specified age (usually 25 or 50 years), depending on the species.

Stand - a group of forest trees of sufficiently uniform species composition, age, and condition to be considered a homogeneous unit for management purposes.

Stocking - the number and density of trees in a forest stand. Stands are often classified as understocked, well-stocked or overstocked.

Understocked - a stand of trees so widely spaced that, even with full growth potential realized, crown closure will not occur.

Methodology Narrative

The foundation of a Forestry management plan is the data compiled by taking point and plot samples throughout the entire woodland acreage. This data will provide the numerical basis to determine the existing conditions of the approximately 38 acres of woodlands within the Randolph woods property, and direct us to the proper Silvicultural practices for the woodland management throughout the 10 years of the plan.

Forestry is defined as the science and craft of creating, managing, using, conserving, and repairing forests, woodlands, and associated resources for human and environmental benefits. Forestry is practiced in plantations and natural stands. Therefore, this plan will not only rely only on the numerical data, but the experience, and opinions of the Consulting Forester who will be writing the plan, regarding the priorities he feels should be implemented throughout the 10 year plan, to achieve the goal of having a sustainable woodlands.

For the first 5 years of the plan recommendations: two main components will be emphasized. First and foremost will be the initial control and reduction of invasive species present throughout all of the management units. This is the key element to then make recommendations for the proper Silvicultural applications to actively manage the woodlands. Creating any additional openings in the forest canopy prior to the reduction of the invasive species will be counter - productive to a sustainable forest, as this will enhance the continued encroachment of the invasive species.

Secondly, in the first 5 years of the plan, we will be emphasizing strong recommendations to come up with an effective program to reduce the resident deer population on the property. The lack of any hunting allowed on this property for many years, has resulted in an over stocking, and maximum carrying capacity of the deer population. Due to over browsing, this has resulted in the almost a complete lack of natural regeneration of any native trees. Therefore any additional opening in the forest canopy by any type of cutting, would normally result in the natural regeneration of trees. However, we constantly noted that any opening creates an opportunity for invasive species to dominate, and suppress any natural regeneration in the opening. It will also result in the heavier browsing of this natural regeneration from the deer population. As the deer will browse all native species long before they will browse non- native or invasive species.

An independent wildlife research study will also be provided by “Applied Ecological Services”. The findings of this extensive study, coupled with the Forest Stewardship plan, will be included in the overall property master management plan submitted by “Simone Collins”. The Stewardship plan will be one component of the overall plan, and be in concert with the reports provided by Applied Ecological Services.

One of the challenges to the implementation of this Forestry Management plan is the restrictive language within the Willistown Trust easement. The restrictions regarding any cutting of trees that are not native should be re assessed. The future sustainability of the woodland acreage will be related to allowing some type of timber stand improvements, by removing what we foresters call “unacceptable growing stock”, and retaining, and releasing the “acceptable growing stock”. Cautious and well thought out thinning of some of these trees, also known as a “timber stand improvement thinning” will need to be integrated in the latter parts of the plan to obtain a sustainable and productive woodland. This should be coupled with tree planting in tree shelters, and even erecting deer fencing are also important components of the latter years of this 10 year plan. It is important to note that the cutting is not for the purpose of making money on the timber, but releasing the healthiest trees for the future sustainability and health of the forest.

I have pasted below the easement language from the Willistown Conservation Trust Easement regarding tree cutting within the easement

Section 5 j of the easement addresses conditions for tree cutting within the Willistown Conservation Trust easement from 2001

J. Tree cutting: To protect water quality, prevent soil erosion, promote natural woodland succession, and to provide for the protection of wildlife habitat and plant communities, the cutting or removal of trees and/or woodlands understory vegetation from the Conservation Easement Area shall be subject to the following conditions:

(i) No trees or woodland understory vegetation shall be cut or removed from “woodland” as shown on exhibit “A” except;

- (a) Nonnative invasive species including but not limited to Norway maple, Multi – flora rose or oriental bittersweet.
- (b) To cut and/or remove those trees which are diseased, dangerous or endanger the health of other woodland species
- (c) N/A

(I i)Dead trees, branches, scrap material scrap tree material, scrap shrub material, and detritus from the Woodland shall be retained in the woodland for use as wildlife shelters, dens,

This section should be revisited, and some universally acceptable revisions considered for the ability to properly manage the woodlands.

EXISTING CONDITIONS FOR ' Management unit 1'

Management unit 1

Land area:	4.4 Acres	
Land use history:	White Pine plantation The stand has been a forested area for many years. White Pines were planted approximately 60 years ago. Recommendations based on incorporating invasive control and reducing the deer population.	
Forest Group:		
- Existing	White Pine Plantation	
- Potential	White Pine plantation	
Successional trend:	The stand is a plantation, with decent spacing of the white Pines, and evidence of mortality. There is severe invasive encroachment in the stand (especially along the edges where there is more sunlight). Oriental bittersweet vines, are chocking many of the White Pines all the way up to the crown in some cases. The understory consists of invasive plants such as multiflora rose, Japanese barberry, white garlic mustard, and wild grape, privet, Oriental bittersweet, and autumn olive. The stand is sustainable; however the deer continue to heavily browse any native regeneration seedlings and allow the invasive species to reproduce, and dominate.	
Forest health:	Many individual trees are generally in good health, but the overall stand is not. There are no tree seedlings in the understory to replace any trees that may die or be removed through a harvest.	
Site quality:	The site quality is good as the soils are: The soils are Manor loam (MaC), Glenelg silt loam (GgB), Glenville silt loam (GIA), Manor loam (MaE), and Manor loam (MaD)...	
Approximate age:	65+	Size class: Medium Saw logs (14.5 - 18.5")
Trees per acre:	46	Mean Stand Diameter: 16.5 in.
Basal area	90 understocked	
Growth Rate:	3 %	Timber Quality: medium
Stocking:	The stand is below average in stocking and is in need of some supplemental planting after invasive species are removed.	
Stand Volume:	Approximately 31,200 board feet located in this management unit.	
Pulpwood	43 tons/acre. Total pulpwood tonnage 189 tons: Total for 4.4 acres.	
Habitat and wildlife use:	The area is overrun with deer that have browsed the regeneration and the invasives have encroached heavily into the stand. Hunt deer more aggressively, and seek cost sharing for invasive removal. The Pines provide nesting habitat for birds of prey, but the lack of good native understory has limited the interior dwelling birds in the stand. More details will be in the repot by Applied Ecological Services.	

Recreational opportunities:	The site is good for hiking, bird watching, cross country skiing, orienteering, and other passive recreational activities.
Potential for timber production:	The stand should not be managed for timber production, but for biodiversity.
Potential for other uses:	The woodland could be used for increasing wildlife habitat projects, and interpretive signage about the plantation,
Water quality issues:	The stand must be protected from decline, by treating invasive species, and reduce the deer population, it is adjacent to the stream corridor, and trail improvements, and limited cutting of trees should be adhered to for water quality protection, as the southern portion of the stand is relatively steep. All work should follow Best Management Practices guidelines
Important natural features:	The diversity of having a Pine stand within the woodlands is an important biodiversity element. The Pines can provide nesting habitat for birds of prey.

MANAGEMENT PLANS FOR ' Management unit 1'

Landowner's objectives for this stand:	The stand has different habitat than any other sections of the woodlands. The Pine plantation provides a unique environment. With invasive and deer control, this stand can become a productive part of the property as far as wildlife, timber, water, soil and protecting unique native plant and animal species are concerned. It should be set aside for unique habitat development with timber production as a second objective in the far future.
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Silvicultural Prescription

Recommended silvicultural system:	Even-aged management: Consider a light commercial thinning, in the later years of the management plan, after invasive species are controlled, and the deer herd is reduces. Desired rotation age is 120 years.
Details of the silvicultural prescription:	Control the invasive plants: Especially Oriental bittersweet, which are “ girdling” a number of the pine trees. Also present: multiflora rose, Japanese, and Bush Honeysuckle, white garlic mustard, and grape vines, Russian olive, Barberry, Japanese stilt grass. Also reduce the deer population.

Planned Activities

2020:	Control the deer population. Reduction of invasive species
Priority:	1

2021: Control the invasives in the understory, Cut and stump apply chemicals on Oriental bittersweet vines, reduce invasive species, also search for cost sharing for invasive removal

Priority: 2

2022: Where there are openings in the canopy plant trees in tree shelters, or use fencing to prevent deer browsing.

Priority:

EXISTING CONDITIONS FOR ' Management unit 2'

Management unit 2

Land area: 4.5 Acres

Land use history: The stand has been a Poplar dominated forest for a long time,

Forest Group:

- **Existing** Mixed hardwoods. Dominated by Tulip Poplar
- **Potential** Mixed hardwoods. Dominated by Tulip poplar

Successional trend: There was no natural regeneration found in any of the plots. There are multiple openings in the canopy which allows invasive species to dominate within this stand. If left alone, the stand will become dominated by invasive plants, with some of the Tulip poplar surviving. There was no native regeneration found.

Forest health: The stand is not healthy as there are many species of invasives in the understory, due to multiple openings in the canopy. Oriental bittersweet is the most detrimental invasive species present, as it is “girdling” multiple trees. Also present: multiflora rose, Japanese silt grass, mile-a-minute weed Japanese honeysuckle, Bush honeysuckle, Barberry, Russian and white garlic mustard and Japanese stilt grass. The over story has many openings which accelerates the continued encroachment of invasive species. Combined with heavy deer browsing, there is no regeneration. As a consequence, the sustainability of the stand is very, very limited.

Site quality: The site quality is moderate as the soils are: The soils are Manor loam (MaC), Glenelg silt loam (GgB), Glenville silt loam (GIA), Manor loam (MaE), and Manor loam (MaD).

Approximate age: 90 **Size class:** small sized saw timber – (14”- 22” DBH)

Trees per acre: 73 **Mean Stand Diameter:** 16.5 inches.

Basal Area	60	
Growth Rate:	2.5%	Timber Quality: medium/poor
Stocking:	The stand is understocked.	
Stand Volume:	Approximately 20,000 board feet with the stand being less than 5 acres. This should be considered understocked. This is one of the stands that would benefit from extensive invasive control, and tree planting in shelters, also consider deer fencing.	
Pulpwood:	37 tons/acre: 166 tons pulpwood for 4.5 acres	
Habitat and wildlife use:	There is an overpopulation of deer, and an aggressive doe hunting program should be initiated, like management unit 1, there is no native tree regeneration. There are many signs of other wildlife species such as gray squirrels, raccoons, opossums, and chipmunks. Habitat for nesting birds is limited due to the excessive invasive species.	
Recreational opportunities:	The stand has potential for hiking, bird watching, nature study, improving and maintaining the trails, nature study, orienteering and cross country skiing. Priority activities : control invasive species, and increase <u>deer hunting</u>	
Potential for timber production:	The current stand has poor potential for timber production.	
Potential for other uses:	The stand could be used for a demonstration site to show the management practices employed to improve the future of this area.	
Water quality issues:	There are no water quality issues as long as good management practices are followed.	
Important natural features:	There are no important natural features in the stand.	

MANAGEMENT PLANS FOR 'Management unit 2'

Landowner's objectives for this stand:	Recreational use, with timber production as a secondary objective. Trail improvements and maintenance.
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Silvicultural Prescription: Even-aged management with 120 year rotation.

Details of the Silvicultural prescription:	Aggressively control the invasive species in the stand. Develop and implement a deer management plan to reduce the deer population (especially does). Tree planting, in tree shelters, fencing to exclude deer.
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Planned Activities

2020:	Control invasives in the understory and control the deer.
Priority:	1
2021:	
Priority:	2

EXISTING CONDITIONS FOR 'Management unit 3'

Management unit 3

Land area:	17.3 Acres	
Land use history:	The stand was thinned a number of years ago. Probably focused on Oak removal from Gypsy moth infestation.	
Forest Type:		
- Existing	Mixed hardwoods Tulip poplar dominant.	
- Potential	Mixed hardwoods: More dominance of Tulip poplar.	
Successional Trend	This is the most closed canopy section of woodlands on the property. It also has some of the steepest slopes.	
Forest Health:		
	The site quality is good as the soils are: The soils are Manor loam (MaC), Glenelg silt loam (GgB), Glenville silt loam (GIA), Manor loam (MaE), and Manor loam (MaD).	
Site Quality:		
Trees per acre:	42	Mean Stand Diameter: 16.5" DBH
Growth Rate:	2.5%	Timber Quality: medium
Approximate age:	90	Size class: medium Saw logs (16" - 26" DBH)
Basal area		90
Total Volume:	Approximately 142,900 board feet	
Pulpwood	93 tons/acre: 1392 total tons of pulpwood on 17.4 acres.	
Habitat and wildlife use:	The stand is used by many of the area's wildlife. However, it has an overabundance of deer and little shrub layer (except spice bush) for interior dwelling species.	
Recreational opportunities:	The stand has potential for much more deer hunting, hiking, nature study, cross-country skiing and orienteering.	
Potential for other uses:		

MANAGEMENT PLANS FOR 'Management unit 3'

Landowner's objectives for this stand:	The stand is to continue as a productive and sustainable part of the property.
Recommended Stewardship system:	Even- aged management with 120 year rotation.

Stewardship

Prescription: Control invasive species, control the deer population and then consider a light harvest using the group selection method taking out deteriorating trees out in between the groups. Control deer population through more aggressive hunting: Especially doe hunting

Important natural features:

There are no particularly important natural features in the stand. However the stream corridor is in the southern section of the stand, and all measures should be used to protect the stream.

Planned Activities

2020: Control invasive species in the understory. Control the deer population better.

Priority: 1

2021: Continue invasive reduction, and deer population reduction.

Priority:

2022: Control invasives, consider a light selective thinning or a timber stand improvement. Plant trees in shelters, consider deer fencing.

Priority:

EXISTING CONDITIONS FOR 'Management unit 4'

Management unit 4

Land area: 9 Acres

Land use history: The stand is designated as a headwaters protection zone.

Forest Type:

- Existing Mixed hardwoods.

- Potential Mixed hardwoods

Successional Trend Mixed hardwoods, invasive encroachment. No seedling trees in the understory, found

Forest Health: If left alone the stand would slowly decline, however this is a buffer protection zone, so no cutting recommended except invasive species. Consider planting oak seedlings in 5 foot shelters.

Site Quality: : The soils are Manor loam (MaC), Glenelg silt loam (GgB), Glenville silt loam (GIA), Manor loam (MaE), and Manor loam (MaD).

Trees per acre: No plot samples taken

Growth Rate: **Timber Quality:** medium

Approximate age:	80	Size class: small Saw logs (14”- 20” DBH)
Total Volume:	N/A as no selective cutting will be done.	
Habitat and wildlife use:	The stand is used by many of the area’s wildlife. However, it has an overabundance of deer and no native shrub layer for interior dwelling species.	
Recreational opportunities:	The stand has a need for much more deer management. Activities include: hiking, nature study, cross-country skiing, and orienteering.	
Potential for other uses:	The stand will be used for protection of the headwaters.	

MANAGEMENT PLANS FOR 'Management unit 4'















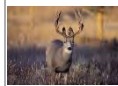

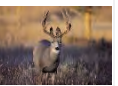

Landowner's objectives for this stand:	This is a Headwaters protection area. The objective for this unit is to protect the sensitive nature of this unit.
Recommended Stewardship system:	Invasive removal and control, reduce deer population
Stewardship Prescription:	Control invasive species, control the deer population and then consider tree planting in 5 foot shelters. Control deer population through more aggressive hunting: Especially doe hunting
Important natural features:	This is an important headwaters protection area, and contains some hydric soils

Planned Activities






2020:	Control invasive species in the understory. Control the deer population.
Priority:	1
2021:	2 Continue invasive control and hunting.
Priority:	
2022:	Control invasives, Consider tree planting in tree shelters, and possible a deer fence.

SUMMARY TABLES

Overview of Planned Activities

Unit	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
MU 1	 	 	 	  	 	 	  	  	  	 
MU 2	 	 	 	  	 	  	  	  	  	  
MU 3	 	 	 	  	  	  	  	  	  	  
MU 4	 	 	 	  	 	  	  	  	  	 

KEY

 Light thinning. Timber stand improvement		 Control Invasives	
 Tree planting		 fencing	
		 Control Deer	

Detailed plans by year

- 2020 -

UNIT	PRIORITY	ACTIVITY
MU 1	1	Control invasive plants and control the deer population.
MU 2	1	Control invasive plants and control the deer population.
MU 3	1	Control invasive plants and control the deer population.
MU 4	1	Control invasive plants and control the deer population.

- 2021 -

UNIT	PRIORITY	ACTIVITY
MU 1	1	Control invasive plants and control the deer population.
MU 2	1	Control invasive plants and control the deer population.
MU 3	1	Control invasive plants and control the deer population.
MU 4	1	Control invasive plants and control the deer population.

- 2022 -

UNIT	PRIORITY	ACTIVITY
MU 1	1	Control invasive plants and control the deer population.
MU 2	1	Control invasive plants and control the deer population.
MU 3	1	Control invasive plants and control the deer population.
MU 4	1	Control invasive plants and control the deer population.

- 2023 -

UNIT	PRIORITY	ACTIVITY
MU 1	1	Control invasive plants and control the deer population.
	2	Tree planting
MU 2	1	Control invasive plants and control the deer population.
	2	Tree planting
MU 3	1	Control invasive plants and control the deer population.
	2	Tree planting
MU 4	1	Control invasive plants and control the deer population.
	2	Tree planting

- 2024 -

UNIT	PRIORITY	ACTIVITY
MU 1	1	Control invasive plants and control the deer population.
MU 2	1	Control invasive plants and control the deer population.
MU 3	1	Control invasive plants and control the deer population.
	2	Light thinning
MU 4	1	Control invasive plants and control the deer population.

- 2025 -

UNIT	PRIORITY	ACTIVITY
MU 1	1	Control invasive plants and control the deer population.
MU 2	1	Control invasive plants and control the deer population.
	2	Light thinning
MU 3	1	Control invasive plants and control the deer population.
	2	Tree planting
MU 4	1	Control invasive plants and control the deer population.
	2	Tree planting

-2026 -

UNIT	PRIORITY	ACTIVITY
MU 1	1	Control invasive plants and control the deer population.
	2	Light thinning
MU 2	1	Control invasive plants and control the deer population.
	2	Tree planting
MU 3	1	Control invasive plants and control the deer population.
	2	Fencing
MU 4	1	Control invasive plants and control the deer population.
	2	Fencing

- 2027 -

UNIT	PRIORITY	ACTIVITY
MU 1	1	Control invasive plants and control the deer population.
	2	Tree planting
MU 2	1	Control invasive plants and control the deer population.
	2	Fencing
MU 3	1	Control invasive plants and control the deer population.
MU 4	1	Control invasive plants and control the deer population.
	2	Tree planting

- 2028 -

UNIT	PRIORITY	ACTIVITY
MU 1	1	Control invasive plants and control the deer population.
	2	Fencing
MU 2	1	Control invasive plants and control the deer population.
	2	Tree planting
MU 3	1	Control invasive plants and control the deer population.
	2	Light thinning
MU 4	1	Control invasive plants and control the deer population.
	2	Fencing

- 2029 -

UNIT	PRIORITY	ACTIVITY
MU 1	1	Control invasive plants and control the deer population.
MU 2	1	Control invasive plants and control the deer population.
	2	Fencing
MU 3	1	Control invasive plants and control the deer population.
	2	Tree planting
MU 4	1	Control invasive plants and control the deer population.

Comparison of management units on the property

UNIT	ACRES	Forest Group	STAND DIAMETER	BASAL AREA	SILVICULTURAL SYSTEM
MU 1	4.4	White Pine Plantation	20.2 in.	90	Even aged mgmt. Rotation age is 120 years.
MU 2	4.5	Mixed Hardwoods(open)	18.8 in	60	Even-aged mgmt. Rotation age is 120 years
MU 3	17.4	Mature Mixed Hardwoods	17.5in.	90	Even-aged mgmt. Rotation age, 120 years
MU 4	9	Mixed Hardwoods(Water resource protection area)	N/A	N/A	Protection zone: No cutting except invasive species
Total	35.5				

Appendices

1. Soils map and soil descriptions
2. Property maps showing management units

Soil Map—Chester County, Pennsylvania (Randolph Woods)



MAP LEGEND

MAP INFORMATION

Area of Interest (AOI)

Area of Interest (AOI) 1:24,000.

Soils

Soil

Soil

Soil

Soil Special

Blowout

Borrow

Clay

Closed

Gravel

Landfill

Lava Flow

Marsh

Mine

Perenn

Rock

Sandy

The orthophoto

Severely Eroded Spot

Sinkhole

shifting of map unit boundaries may be evident. Slide or Slip

Sodic Spot

Spoil Area

Very Stony Spot

Wet Spot

Other

Map Unit Points

Line Features

Special Point

Water Features

Pit

Measurements

Transportation

Spot

Source of Map:

Rails

Web Soil Survey

Depression

Pit

Gravelly Spot

Major Roads

projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the

Background

or Quarry

Pennsylvania

Miscellaneous Water

Outcrop

2014—Aug Saline Spot

Spot

Features

Natural Resources Conservation Service

The soil surveys that comprise your AOI were mapped at a scale of 1:50,000 or larger.

Warning: Soil Map may not be valid at this scale. Enlargement of maps beyond the scale of mapping may result in misunderstanding of the detail of mapping and accuracy of line placement. The maps do not show the small areas of contrasting soils that could have been shown at a larger scale.

URL:

accurate calculations of distance or area are required.

or swamp Aerial Photography This product is generated from NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Chester County, Pennsylvania
Survey Area Data: Version 12, Sep 17, 2019

1:50,000 or larger.

Date(s) aerial images were photographed

11, 2014

or other base map on which the soil map was compiled and digitized probably differs from the background map displayed on these maps. As a result, some minor

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
GgB	Glenelg silt loam, 3 to 8 percent slopes	51.4	23.3%
GIA	Glenville silt loam, 0 to 3 percent slopes	8.8	4.0%
Ha	Hatboro silt loam	1.0	0.4%

MaC	Manor loam, 8 to 15 percent slopes	37.5	17.0%
MaD	Manor loam, 15 to 25 percent slopes	4.7	2.1%
MaE	Manor loam, 25 to 35 percent slopes	8.9	4.1%
UrmB	Urban land-Glenelg complex, 0 to 8 percent slopes	4.6	2.1%
UrmD	Urban land-Glenelg complex, 8 to 25 percent slopes	17.4	7.9%
UugB	Urban land-Udorthents, schist and gneiss complex, 0 to 8 percent slopes	86.4	39.1%
Totals for Area of Interest		220.7	100.0%





Existing Conditions

Contour 2'

Stream

Sensitive Area

Parcel Line

Bridge

Sidewalk

Road

Building

Areas Outside

Conservation Easement

Municipal Boundary

Existing Trail



Management Unit 1: White Pines



Management Unit 2: Smaller Diameter
Hardwoods / Open Woodland Areas



Management Unit 3: Mature Hard-
wood (Poplar)



Management Unit 4: Water Resource
Protection Area - Hydric Soils /
Wetlands / Headwater / Stream
Buffers

Existing Conditions

	Contour 2'
	Stream
	Sensitive Area
	Parcel Line
	Bridge
	Sidewalk
	Road
	Building
	Areas Outside Conservation Easement
	Municipal Boundary
	Existing Trail
	Management Unit 1: White Pines
	Management Unit 2: Smaller Diameter Hardwoods / Open Woodland Areas
	Management Unit 3: Mature Hardwood (Poplar)
	Management Unit 4: Water Resource Protection Area - Hydric Soils / Wetlands / Headwater / Stream Buffers



Prepared by Jessie Buckner and Michael McGraw
 Date June 4, 2020

Background: Randolph Woods is a 43-acre nature preserve located in Malvern Borough, Chester County, Pennsylvania (Map 1) of which 38 acres are held under a Conservation Easement with the Willistown Conservation Trust. The wooded area adjoins a residential neighborhood and contains existing wetlands, streams, meadows, and forested areas. All observations and recommendations have been aligned with the management units developed for the site (Map 2). This report details preliminary ecological findings and recommendations by Applied Ecological Services Senior Wildlife Biologist Michael McGraw and Ecologist Jessie Buckner.



Figure 1 Map shows location of park within Chester County, PA



Figure 2 Randolph Woods Management Units

Management Unit 1 (MU1) is situated in the center of the park and is most easily characterized as a planted white pine (*Pinus strobus*) stand. This primarily south-facing sloped woodland meets the stream and wetland complex of MU4 along its southern/western border in an ecotonal transition. The northern and northeastern edges transition to a summit hardwood forest (MU3). Along with the planted white pines, red maple (*Acer rubrum*), black cherry (*Prunus serotina*), and sugar maple (*Acer saccharum*) are other native trees in this section as well as a few non-native/planted Norway spruce (*Picea abies*). Deer herbivory pressure is evident in this section, with just one native shrub species, spicebush (*Lindera benzoin*), represented in the understory stratum alongside dense clusters of the invasive bush honeysuckle (*Lonicera mackii*), multiflora rose (*Rosa multiflora*), and Japanese Angelica tree (*Aralia elata*). The groundstory/herb layer is similarly impacted by invasive plants, such as lesser celandine (*Ficaria verna*), garlic mustard (*Alliaria petiolata*), vine honeysuckle (*Lonicera japonica*), and wineberry (*Rubus phoenicolasius*) with little to no sapling or seedling growth. White pine trees provide excellent habitat for a wide variety of birds (including nesting hawks and owls, woodpeckers, pine warblers and a wide range of other songbirds), mammals (including white-tailed deer and bats), and insects. White-tailed deer (*Odocoileus virginianus*) prefer the safety of pine stands for shelter, open sight lines, and forage. Deer were observed in dense herds within this MU, as well as high concentrations of deer pellet groups (feces) and bedding areas. Wild turkey and other ground foraging species rely heavily on pine stands in the winter when snow often obscures food outside of the conifer crowns. As a species that was nearly entirely harvested out of Pennsylvania forests during the industrial revolution, any decent stand of white pines is worthy of retaining and stewarding, MU1 not being an exception.

Strategic thinning of this white pine stand should occur in direct concert with understory and groundstory planting and seeding, respectively to create a mixed pine-hardwood forest community historically present in the region. A limited number of pine trees will be proposed for removal. Rather, efforts to manage the plant communities in the understory and groundstory strata is recommended. White pine remains a valuable timber product. Selection of any trees for removal in this unit should be conducted by the team's forestry and ecology specialists together (to determine maximal economic and ecological benefit overlap). All non-native trees and shrubs in MU1 should be cut and stump treated to prevent regrowth followed by seeding and planting within the open patches and edges to prevent recolonization by invasive plants. All invasive woody plants should be removed (via cut and stump-treat) in the winter months. Follow-up site visits in the spring and summer months to treat re-sprouts will be necessary as well. Plant selection for understory (shrub and tree plantings) shall be determined using the description of White pine – Red Oak Mixed Hardwood Forest Community found [here](#) (page 8).

Spatial ecology principles that promote biodiversity tend to add emphasis on how different habitat types interact and transition from one dominant community to another. These transition zones offer significant heterogeneity in structure, forage, shelter, and other important variables. MU1 drains to the south and west into the stream and wetland system on site (within MU4). At this transition between these species there is a great opportunity to contribute to improving water quality by virtue of habitat enhancement along this ecotone/habitat transition. While we are recommending that we try to maintain the interior (albeit a small one) of the closed canopy pine stand, on the margins we highly recommend a conscious and targeted effort to open the canopy a bit and plant many native trees and shrubs as well as seed in both native, warm-season grasses and wildflowers from a PA Piedmont mesic and dry-mesic plant community (again, using Fyke 1999). This will meet mesic and wet-mesic plant stewardship in MU4 to develop a cohesive gradient from forested upland to palustrine forested

wetland. This ecological management recommendation will add a shrub/thicket habitat type along the ecotone, increase stormwater infiltration prior to reaching the stream, and boost the native trophic web significantly. This positive edge-effect habitat type provides critical habitat for myriad native animals including multiple in-decline and at-risk species in our region such as shrubland and edge-nesting birds, snakes, anurans (frogs and toads), many small mammals, and many, many insect species that support all of the mentioned taxa.

Most of this management area consists of Manor Loam D soil which means that it is a loam that gets sandier as it gets deeper until it hits bedrock approximately 83" down. This soil is residuum weathered from mica schist that drains well. We do not recommend any soil amendments for this section.

Management Unit 2 could be generally characterized as an upland hardwood forest community indicative of sandy and/or shallow soils and good drainage. Mature (secondary growth) native trees here include sweet gum (*Liquidambar styraciflua*), sassafras (*Sassafras albidum*), tulip poplar (*Liriodendron tulipifera*), red oak (*Quercus rubra*), black oak (*Quercus velutina*) and red maple (*Acer rubrum*). Open-form oaks are present on the site but are crowded by a younger, even-age stand of trees. The shrub/understory stratum is dominated by invasive species, especially winged euonymus (*Euonymus alatus*), bush honeysuckle (*Lonicera mackii*), Japanese barberry (*Berberis thunbergii*), and multiflora rose (*Rosa multiflora*). That said, sparse native understory trees and shrubs are present here, especially American holly (*Ilex opaca*), arrowwood viburnum (*Viburnum dentatum*), and spicebush (*Lindera benzoin*).

Like other forested sections of the site, there is significant evidence of deer browse and suppression of native tree and shrub regeneration within MU2. An existing stand of Norway maple (*Acer platanoides*) must be removed along with all the invasive vines and shrubs present (see methods proposed in MU1). In addition to removal of the non-native woody plants, we recommend removing second-growth native trees that are crowding any open-form trees on site. This will open the canopy and allow for a unique restoration opportunity that can be fun and engage residents, scouts, environmental groups, corporate entities, and others. Volunteer plantings could contribute to transitioning this area into a savanna that would host numerous birds of interest. Plantings should be done in clustered groupings and corralled in temporary (but aesthetically pleasing) fencing to prevent deer herbivory and eliminate the need to protect each individual plant. The soil consists primarily of Manor Loam D, this is the same type of soil from Management Unit 1 except differentiated by slopes, this area has less slopes and, therefore, better established soil horizonation and plant-available nutrients by virtue of silicate clay migration into the sub layers with less disturbance over time.

Management Unit 3 is a large tract that abuts residential property. This area contains more mature hardwood like Tulip poplar (*Liriodendron tulipifera*) and a variety of oak species (black, red, white, and pin). The southern end of this unit contains significant stormwater damage forming rills and trail erosion that will need to be addressed. A small vernal pool exists where a bullfrog (*Lithobates catesbeianus*) was observed. Several native wildflowers were observed on a small ridge in this unit including bloodroot (*Sanguinaria canadensis*). This soils in this MU are loams, mostly Manor Loam, but there is an area of Glenville Silt Loam in the south near the stream. This soil is silt loam without sand and is moderately well drained, it is the colluvium of weathered mica schist. Similar recommendations for native seeding and adding native plants is suggested, but a lower priority than other MUs.

Management Unit 4 contains the water resource protection area and the most sensitive natural areas. This area consists of a stream, its headwaters, and numerous wetlands and vernal pools. Sources are a combination of stormwater pipes from up-watershed residential development, sheet flow stormwater from parking lots and mowed lawns, and seepage/headwater wetlands. Some of this area is designated as wetlands by the National Wetland Inventory but the wetlands exceed beyond what is currently mapped and will likely need to be delineated moving forward.

The upper half of the MU is comprised of a mosaic of palustrine emergent wetland and palustrine forested wetland habitat types, including cattail (*Typha latifolia*) monoculture, sedge meadows, skunk cabbage dominated seeps, red maple and black willow swamp, and shrub thicket. Collectively, this wetland complex qualifies as suitable bog turtle habitat (proper soils, hydrology, and vegetation). Whether confirmed present or not, this is suitable habitat within an occupied watershed and therefore should be assumed as occupied unless otherwise instructed by PAFBC and/or USFWS. As a federally threatened species, the improvement, stewardship, and protection of this habitat can be beneficial, as there are assistance programs (technical and financial) and important partnerships that are now available. This will also insist some timing constraints for invasive species removal and will dictate what species we plant in here. Aggressive invasives, such as common reed (*Phragmites australis*), Japanese hops (*Humulus japonicus*), reed canary grass (*Phalarus arundinaceae*), and invasive shrubs should be a top priority to remove and restore. Other aggressive invasives, such as buttercup and Japanese stilt grass will be far more challenging and should be approached on a more gradual and less-intense tract.

At the uppermost section (WNW) there is a planted stand of spruce trees that should be removed entirely and this section should be restored to a naturally-occurring riparian hardwood zone (initially, this will be meadow and shrubland for the first 1-7 and 7-25 years, respectively, but will achieve closed canopy thereafter and will provide excellent critical habitat for a wide range of semi-nomadic birds and resident reptiles, amphibians, and mammals throughout these developmental changes. The non-native spruce trees are aged out and are a significant hazard for passers-by due to falling limbs. Additionally, the riparian zone is shade-suppressed and barren of groundstory vegetation, facilitating rapid sheet flow of stormwater directly into the adjacent headwater wetlands and stream section. The increased volume of stormwater in this area is evident in the knick points and eroded banks of the stream far up into the watershed where this typically does not occur. This is facilitating a positive feedback loop of negative ecological interactions (non-native trees shade native understory – less infiltration of stormwater – erodible banks – lowers water table – allows for invasives to further colonize wetland parcels – modified hydrology exacerbated by increase in invasive biomass – simplifies structure and richness – less food and nesting habitats – less native seed dispersal which can provide infiltration - etc).

The lower order and more channelized sections of the stream reach are mostly choked in invasive shrubs and vines along the banks. Some native trees and shrubs do persist here and would do well to have the pressure of invasive plants relieved to ensure survivorship of existing plants (costs way less money to save existing plants than to plant and protect new ones!). Here lies a great opportunity to remove/replace with native woody plants in a phased fashion (ex. 30 feet per year via grant-funded mini-projects).

MU4 is entirely comprised of the Glenville silt loam. Notes from Individual Observation Points can be viewed in Table 1 which correspond to the map in Figure 3.

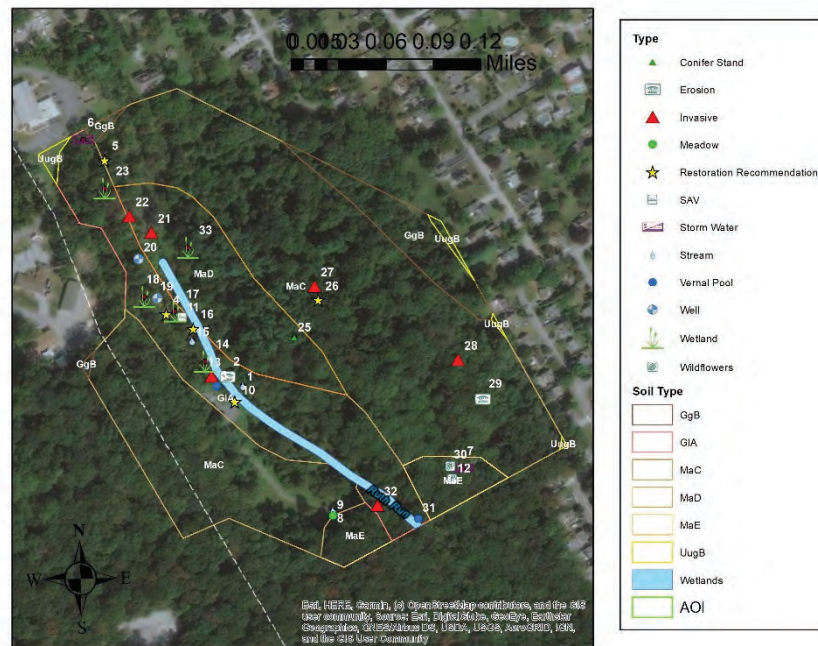


Figure 3 Map of ArcCollector Observation Points. Notes can be found in Table 1

Point	Type	Notes	Observed Species
1	Stream	Small stream with floodplain bench	Symplocarpus foetida, Ficaria verna
2	Erosion	Erosion on south bank will undermine bridge	
3	Vernal Pool	Potential vernal pool	
4	Restoration Recommendation	Remove all invasive woodies and replant. Restore groundcover.	Ficaria Verna
5	Restoration Recommendation	Consider timber harvest of spruce trees and regrading to stabilize storm water input and restore buffer to stream and wetlands	Picea abies
6	Storm Water	Storm water issue orogeny. Channelizing southwest from parking lot and lawn causing deep ruts into invasive hedge. MS4 credit opportunity.	Picea abies, Rosa multiflora, Lonicera Maackii, Rubus phoenicolaesius
7	Storm Water	Storm water rill needs to be fixed	
8	Stream	Stream side of road, needs full riparian buffer.	
9	Meadow	Enhance meadow buffer to lawn	
10	Restoration Recommendation	Increase buffer to stream, consider demonstration gardens. Ficiara verna encroaching lawn from stream, many invasive shrubs and vines.	Ficaria verna, Quercus bicolor, Acer rubrum, Betula alleghaniensis, Ulnus americanus
11	SAV	Submerged aquatic vegetation	Vallisneria americana
12	Wildflowers	Native wildflowers found in small area around ridge.	Sanguinaria canadensis
13	Invasive	Invasive vegetation line into mowed field area (more notes included in Mike's notes as "Point 1")	
14	Wetland	Seepage wetland, notes continued as 1a.	Symplocarpus foetida
15	Stream	Stream and seep convergence and gravel bar.	
16	Restoration Recommendation	Point 2a. Mikes notes.	
17	Wetland	Convergence of invasive Phragmites wetland drainage and main stem. Large game trail too.	Phragmites australis
18	Wetland	Potential bog turtle habitat. Typha angustifolia area.	Typha angustifolia
19	Well	Old well in wetland	
20	Well	Well in wetland with head pressure causing waterfall.	
21	Invasive	Downstream extent of Phragmites invasion.	Phragmites australis
22	Invasive	Southern extent of phrag at stream convergence and ash/maple swamp	Phragmites australis
23	Wetland	Headwater wetland	
24	Invasive	Bamboo, mowed lawns	Bamboo
25	Conifer Stand	Eastern extent of conifer stand. Heavy deer browse. Many invasives in understory	
26	Restoration Recommendation	Transition from conifer stand to summit hardwood, clearly second growth. Opportunity for oak woodland savanna restoration. Remove invasives, retain open firm hardwoods (lirtul and oak)	
27	Invasive	Aralia alata invasive stand	Aralia alata
28	Invasive	Norway maple stand. Should be cleared. Volunteer plantings for woodland savanna area	Acer platanoides
29	Erosion	Trail erosion, series of erosions on trail past this point	
30	Wildflowers	Bloodroot within 300 sq ft area on ridge under tulip poplar tree. Significant invasive pressure	Sanguinaria canadensis, Liriodendron tulipifera
31	Vernal Pool	Vernal pool (with bullfrog)	Lithobates catesbeianus
32	Invasive	Thicket of burning bush.	Euonymous alata
33	Wetland	Suitable bog turtle habitat. Phragmites is upstream and needs to be taken care of	

Table 1 Points from Figure 3 and their corresponding notes



Figure 4 Native Bloodroot (*Sanguinaria canadensis*) found at Point 12



Figure 5 Stream and seep convergence with gravel bar at Point 15



Figure 6 One of the skunk cabbage seepage wetlands as viewed from Point 14



Figure 7 One of the abandoned wells was found to still be flowing at point 20

To view the entire report Online, please click on the link below.

malvern.org/wp-content/uploads/2017/06/12-19-17-Randolph-Woods-Ad-Hoc-Committee-Report-to-Borough-Council.pdf

Randolph Woods Ad Hoc Committee

Final Report to Borough Council Randolph Woods Nature Preserve



Vision Statement

The Randolph Woods Nature Preserve aspires to be a vital part of Malvern's park system, providing nature based passive recreation and community activity, while promoting natural resource conservation, land stewardship, and related education.

Randolph Woods Ad Hoc Committee

12/19/2017

Ruthland Avenue Tract Easement Draft 09/11/01 1:10 PM

THIS GRANT OF EASEMENT AND DECLARATION OF RESTRICTIVE COVENANTS, hereinafter referred to as the "Easement", made the day of September, 2001.

BETWEEN, The Borough of Malvern, having an address of One First Avenue, Suite 3, Malvern, Pennsylvania 19355, party of the first part, hereinafter called "Grantor",

A N D

WILLISTOWN CONSERVATION TRUST, INC., a non-profit corporation of the Commonwealth of Pennsylvania, having an address of 7000 Goshen Road, Newtown Square, Pennsylvania, 19073, party of the second part, hereinafter called "Grantee",

W I T N E S S E T H

WHEREAS, Grantor is the owner of a certain tract of ground known as the Ruthland Avenue Tract, located in Malvern Borough, Chester County, Commonwealth of Pennsylvania, Uniform Parcel Identifier Number 2-4-361, containing approximately 41.7632 acres of land a portion of which is hereinafter called the "Conservation Easement Area". The Conservation Easement Area contains 38.2062 acres of land and is identified on a plan prepared for Malvern Borough by Howard W. Doran, Engineering and Surveying, dated June 1, 2000, last revised August 21, 2001 by Peter Krassas Jr. and Associates and attached hereto and made a part hereof as Exhibit "A". The Conservation Easement Area is further described by legal description and attached hereto and made a part hereof as Exhibit "B"; and

WHEREAS, the Conservation Easement Area possesses natural, scenic, recreational, open space, and water resource values worthy of conservation protection, and of great importance to the Grantor and the community, hereinafter called the "Conservation Purposes"; and

WHEREAS, the specific Conservation Purposes of the Conservation Easement Area are documented in a natural resources inventory on file at the office of Grantee, incorporated by this reference ("Baseline Documentation") which consists of reports, maps, photographs, and other documentation intended to provide Grantor and Grantee with an accurate representation of the Conservation Easement Area at the time of this Easement and which will serve as an objective information baseline for monitoring compliance with the terms of this Easement; and

WHEREAS, the Conservation Easement Area is located in the Piedmont Region and includes steep slopes, woodland, high water table soils, wetland, open space; and

WHEREAS, the entirety of the Conservation Easement Area shall be placed under conservation easement agreement with Grantee and protection of the Conservation

Ruthland Avenue Tract Easement Draft 09/11/01 1:10 PM

Easement Area will enhance the purpose of preserving and protecting open space, water resources, sensitive natural areas; and

WHEREAS, the Chester County Open Space and Recreation Study adopted by the Chester County Planning Commission and the Chester County Parks and Recreation Department in June, 1982 encourages stream valley preservation and the use of conservation easements as a means of their protection; and

WHEREAS, the Malvern Borough Parks and Recreation and Open Space Plan includes a Master Plan for the Ruthland Avenue Tract, designating it for passive recreation and preservation; and

WHEREAS, the Easement provides for public access for specific passive recreational activities and to assist in the education of the public on the environmental and visual aspects of the Conservation Easement Area; and

WHEREAS, Grantor desires to preserve the educational, recreational, historic, natural, open space, agricultural, scenic and water resources of the Conservation Easement Area and further desire to conserve and protect the Conservation Easement Area from soil erosion, water pollution, and other human-induced disturbance of this watershed and its resources; and

WHEREAS, Grantee is a publicly-supported, tax exempt non-profit organization, qualified under Section 501(c)3 and 170(h) of the Internal Revenue Code, whose primary purpose is the identification and preservation of natural, historic, and scenic resources, with particular emphasis on the protection and preservation of water resources; and

→ WHEREAS, Grantee agrees by accepting this Easement to honor the intentions of Grantor stated herein and to preserve and protect in perpetuity the Conservation Purposes of the Conservation Easement Area from soil erosion, water pollution, and other human-induced disturbance for the benefit of this generation and generations to come.

NOW THEREFORE, for and in consideration of the mutual promises herein contained and for the further consideration of the sum of Five Dollars (\$5.00), lawful money of the United States of America, in hand paid by Grantee to Grantor, the receipt and sufficiency of which is hereby acknowledged, the parties hereto intending to be legally bound do hereby mutually agree, grant, convey, and declare as follows:

1. STATEMENT OF GRANT

Grantor hereby unconditionally and absolutely grants and conveys unto Grantee, its successors and assigns, in perpetuity, an Easement in Gross and a Declaration of Restrictive Covenants with respect to the Conservation Easement Area, as more particularly hereinafter set forth exclusively for the purposes of preserving and protecting the Conservation Purposes. *See Deft's*

Grantee hereby accepts the Easement and agrees to hold it exclusively for such Conservation Purposes, subject to the provisions set forth herein.

2. ACCESS

In furtherance of the Conservation Purposes of this Easement set forth in Paragraph 1 above, Grantor hereby declares and covenants that the public shall have and be allowed access to the Conservation Easement Area subject to the limitations contained in this Easement.

3. PERMITTED RECREATION AND OPEN SPACE ACTIVITIES

In order to accomplish, safeguard, and promote the purposes of the Easement set forth in Paragraph 1 above, Grantor and Grantee hereby declare and covenant that activities are permitted on the Conservation Easement Area only as described in sub-paragraphs A and B of this paragraph 3 and subject to the limitations contained in this Easement.

A. Those recreational and open space activities which can be carried out with little or no alteration or disruption to the natural features of the land on which they take place ("Passive Recreation"). Examples of such activities include walking, jogging, picnicking, birdwatching, horseback riding, overnight camping when organized by an educational organization, and nature study.

B. Activities serving to preserve, restore, enhance or maintain habitat areas for native flora and fauna.

4. PERMITTED IMPROVEMENTS

No building, structure, improvement, or facility (hereinafter referred to as an "Improvement") shall be constructed, repaired, remodeled, reconstructed, or maintained on the Conservation Easement Area except as permitted within this Paragraph 4 for permitted activities, which Improvements are subject to the limitations contained within this easement.

A. Existing Improvements: There shall be the right to repair, remodel, reconstruct, remove, replace, and maintain the Improvements now existing on the Conservation Easement Area and identified on Exhibit "A" as the following:

- (i) One (1) Access Drive
- (ii) Utility Poles and Lines
- (iii) One (1) Concrete Pad
- (iv) One (1) Gravel Parking Area

B. Permitted Additional Improvements. There shall be a right to construct, repair, remodel, reconstruct, remove, replace, construct additions to, and maintain on the

Conservation Easement Area, in addition to the existing Improvements identified in Paragraph 4A above, the following;

- (i) Fencing;
- (ii) One (1) lean-to, gazebo or picnic shelter ("Shelter") not to exceed four hundred (400) square feet in floor area nor twenty (20) feet in height. Such structure shall be restricted to the Acceptable Picnic and Play Area as shown on Exhibit A;
- (iii) Birdwatching Platform;
- (iv) Bridges;
- (v) Unpaved trails.

C. Ecological Improvements. Improvements serving to preserve, restore, enhance, or maintain habitat areas for native flora and fauna are permitted on the Conservation Easement Area with prior approval of Grantee

D. Habitable Improvements. No Improvements may be used for permanent habitation by humans.

E. Architectural Materials. Where applicable, the materials to be used on the exterior of any structure shall be of fieldstone, wood, old brick, or stucco over stone, and the roofing materials shall be of cedar shingle or standing seam metal. Other materials may be used with the prior written approval of Grantee.

Grantor's purpose in extending to Grantee the right and duty under this Paragraph 4C to monitor and approve architectural materials used is to protect the Conservation Purposes and scenic value of this Easement. Grantor acknowledges that the exercise of approval rights herein undertaken by Grantee involves the exercise of judgement and that Grantee shall be completely free and released of any liability, claim, cause, cost or damage (collectively, a "Liability") arising from the good faith exercise of its judgement under this Easement. Grantor hereby releases discharges and holds harmless Grantee from and against any such Liability which Grantee may suffer or incur or which may be threatened or initiated against Grantee arising from the good faith exercise of its judgement under this Easement.

F. Access Drive Width and Materials. The width of any Access Drive to be constructed on the Conservation Easement Area shall not be in excess of the minimum width required by applicable governmental regulations. Any Access Drive shall be constructed of materials which are in keeping with the rural nature of the Conservation Easement Area.

G. Lighting Restrictions.

- (i) There shall be no upward lighting on the exterior facade of any structure;
- (ii) Any lighting shall be designed to minimize its impact upon neighbors, wildlife, or the undeveloped character of the Conservation Easement Area.

H. Casualty Loss. In the event of damage to an existing Improvement resulting from casualty loss to an extent rendering repair of such Improvement impractical, erection of a replacement Improvement shall be permitted subject to the terms and conditions of this Easement and the review and approval of Grantee, as described in Paragraphs 4, 5 and 9 herein.

5. REQUIREMENTS FOR GRANTEE APPROVAL OF IMPROVEMENTS

A. A plan describing the use, location, size, height, and gross floor area, where applicable, of any proposed Improvement permitted under Paragraph 4, with the exception of fences and minor repairs which do not affect the location, size, height or gross floor area of the Improvement, must be submitted to Grantee for review and written approval prior to the construction of such Improvement on the Conservation Easement Area. The plan shall include the location and a written narrative of all stormwater management facilities and erosion control methods, elevation contours and proposed changes in grade, and existing vegetation and proposed vegetation removal, where applicable.

B. The use and location of such Improvements shall be consistent with the Conservation Purposes intended herein, and shall not be located within environmentally sensitive areas, including but not limited to the "Sensitive Wetland Area" as shown on Exhibit "A", slopes exceeding twenty-five percent (25%) in grade, or high water table soils or in areas highly visible from public roadways.

C. Improvements shall be constructed by methods which are attentive to minimizing disturbances to the environment, including but not limited to minimal removal of vegetation, minimal movement of earth, and minimal clearance of access routes for construction vehicles. Grantee may require Grantor to install stormwater management or waste treatment measures and erosion control measures where an Improvement or activity may impair the surface or groundwater quality.

6. GENERAL RESTRICTIONS ON USE

All permitted activities shall be operated in compliance with all of the following requirements:

A. Best Management Practices. In compliance with practices established by the Natural Resources Conservation Service (NRCS) and the Chester County Conservation District, or its successors, Best Management Practices for sedimentation and erosion control and nutrient management must be employed to minimize soil erosion, overgrazing, and other damaging occurrences;

B. Chemical and Biological Additives. Pesticides, herbicides, insecticides, fertilizers or other soil, flora or fauna additives shall:

- (i) be used and disposed of in accordance with applicable laws;
- (ii) not be applied to flora, fauna or the ground surface within three hundred (300) feet of streams, Sensitive Wetland Areas, or the habitat areas of uncommon, rare, threatened or endangered flora or fauna, except for the management of invasive species with prior approval by Grantee; and
- (iii) not continue to be used in a manner which demonstrably causes deterioration of surface or ground water quality.

C. Disturbance of Soil. Disturbance of soil shall not be conducted within one hundred (100) feet of a stream or Sensitive Wetland Area except with prior written approval of Grantee.

D. Additional Control Measures. Grantee may require Grantor on a reasonable basis to install additional stormwater management, waste treatment, and/or erosion control measures where agricultural, farming, or livestock practices have been established by Grantee as having the potential to impair surface or groundwater quality.

E. Signs. No signs, billboards, or outdoor advertising structures shall be placed, erected, or maintained on the Conservation Easement Area other than a reasonable number of signs each not to exceed twenty (20) square feet for the following purposes:

- (i) To state the name of the Conservation Easement Area, or any portion thereof, and the names and addresses of any occupants;
- (ii) To advertise an activity permitted under the provisions of this Easement;
- (iii) To post the Conservation Easement Area against activities either prohibited or not specifically permitted under the provisions of this Easement;
- (iv) To educate or direct users of the Conservation Easement Area.

Provided, however, this sub-paragraph E shall not limit the right of Grantee with prior approval of Grantor, to display in the Conservation Easement Area, at its discretion, such signs as it may customarily use to identify lands under conservation easement to Grantee and the terms of such easement.

F. Quarrying and Excavation. No quarrying, excavation, depositing, or removal of rocks, minerals, gravel, sand, topsoil, or other similar materials from the Conservation Easement Area shall occur, except in connection with an activity or construction permitted by this Easement.

G. Groundwater Removal. No mining or removal of groundwater from the Conservation Easement Area shall occur, except as may be required for recreational, agricultural, and horticultural uses as permitted herein.

H. Streams, Wetlands. No diking, draining, filling or alteration of springs, streams or Sensitive Wetland Areas within the Conservation Easement Area shall occur, except to maintain the Conservation Easement Area and with prior approval of Grantee.

I. Dumping. No depositing, dumping, or abandoning of any solid wastes, trash, refuse or debris, liquid wastes, or chemical substances on or in the ground of the Conservation Easement Area shall occur, excepting;

- (i) Sanitary sewage effluent from structures or Improvements permitted hereunder;
- (ii) Biological and chemical substances used in agricultural and horticultural activities, so long as such substances are used in compliance with the requirements of Paragraph 6B herein; and
- (iii) Sanitary sewage effluent from structures or Improvements not located on the Conservation Easement Area and with prior written approval of Grantee.

J. Tree Cutting. To protect surface water quality, prevent soil erosion, promote natural woodland succession, and to provide for the protection of wildlife habitat and plant communities, the cutting or removal of trees and/or woodland understory vegetation from the Conservation Easement Area shall be subject to the following conditions:

- (i) No trees or woodland understory vegetation shall be cut or removed from a "Woodland" as shown on Exhibit "A" except;
 - (a) nonnative invasive species, including but not limited to Norway Maple, multi-flora rose or oriental bittersweet,
 - (b) To cut and/or remove those trees which are diseased, dangerous, or endanger the health of other Woodland species;
 - (c) To clear and maintain openings in the Woodland for a Shelter not to exceed 1600 square feet, and for the construction and maintenance of a pervious walking or equestrian trail not to exceed six (6) feet in width, subject to the review and written approval of Grantee; and
- (ii) Dead trees, branches, scrap tree material, scrap shrub material, and detritus from the Woodland shall be retained in the Woodland for use as wildlife shelters, dens, refuges, and sanctuaries, and to replenish nutrients and organic matter, unless such materials are dangerous, diseased or threaten the health of other Woodland species; and
- (iii) Grantor shall endeavor to minimize the cutting or removal of trees and native understory vegetation from hedgerows, or small isolated copses, which act as visual screens, windbreaks, erosion control measures or wildlife habitat areas.

The restrictions contained within this Paragraph 6J shall not limit the right of Grantor, without prior notice, to cut and remove ornamental, landscape, or shade trees around existing or permitted Improvements, which are not within a Woodland.

K. Motorized Vehicles. There shall be no use of motorized vehicles, with the exception of wheelchairs and vehicles necessary for maintenance of the Conservation Easement Area, outside of the Access Drive and Parking Area.

7. SUBDIVISION OF CONSERVATION EASEMENT AREA

No subdivision of the Conservation Easement Area shall occur without prior written approval of Grantee.

8. LIMITATIONS OF USE OF CONSERVATION EASEMENT AREA FOR PURPOSES OF BUILDING DENSITY REQUIREMENTS

No portion of the Conservation Easement Area may be used to satisfy land area requirements for the calculation of building density under municipal zoning laws for any lands not subject to this Easement.

9. GRANTOR'S DUTY TO NOTIFY; GRANTEE'S APPROVAL

Grantor, prior to performing or permitting any activity under this Easement which requires prior written approval of Grantee, hereby agrees to submit to Grantee, for review and approval, the required information in writing. Grantee agrees in such cases to review Grantor's proposal and to acknowledge, execute, and deliver to Grantor a written instrument granting approval or stating the reason for denial within sixty (60) days of receipt of written request and the required information from Grantor. In the event that Grantee fails to respond to Grantor's written request within sixty (60) days, approval shall be deemed granted on the sixtieth (60th) day after submission of the request. Following approval of the proposal, Grantor, his/her/their successors or assigns, shall have five (5) years from the date of approval to complete approved actions. If the previously approved action is not completed within five (5) years, Grantor must re-submit the request to Grantee for review and approval according to the procedures described herein.

10. NOTICE

All notices, consents, approvals, or other communication hereunder shall be in writing and shall be deemed properly given if sent by U.S. certified mail, return receipt requested, addressed to the appropriate party or successor in interest, at the address most recently provided.

11. ENFORCEMENT RIGHTS OF GRANTEE

A. To accomplish the Conservation Purposes of this Easement, the following rights are conveyed to Grantee by this Easement:

(i) To preserve and protect the Conservation Purposes of the Conservation Easement Area;

(ii) To enter upon the Conservation Easement Area in order to monitor Grantor's compliance herewith and otherwise enforce the terms of this Easement, provided that such entry shall be upon prior reasonable notice to Grantor and Grantee shall not unreasonably interfere with Grantor's use and quiet enjoyment of the Conservation Easement Area; and

(iii) To prevent any activity on or use of the Conservation Easement Area that is inconsistent with the Conservation Purposes of this Easement and to require the restoration of such area or features of the Conservation Easement Area that may be damaged by any inconsistent activity or use, pursuant to subparagraphs B, C, and D of this paragraph 11.

B. In the event that a violation of the terms of this Easement by Grantor or by a third party comes to the attention of Grantee, Grantee shall notify Grantor in writing of such violation and demand corrective action sufficient to cure the violation. Where the violation involves injury to the Conservation Easement Area resulting from any use or activity inconsistent with the purposes of this Easement, Grantee shall demand restoration of the portion of the Conservation Easement Area so injured. If Grantor fails to cure the violation within thirty (30) days after receipt of such notice thereof from Grantee, or where the violation cannot reasonably be cured within thirty (30) days and Grantor fails to commence action to cure such violation, or fails to continue diligent action to cure such violation, Grantee may bring action at law or in equity in a court of competent jurisdiction to enforce the terms of this Easement. Grantee may enjoin the violation *ex parte* as necessary by temporary or permanent injunction restore the Property to the condition that existed prior to any such injury. Grantee shall be further entitled to recover any damages to which it may be entitled for violations of the terms of this Easement, or for injury to any Conservation value protected by the terms of this Easement, including damages for the loss of scenic, aesthetic, or environmental values, and to require the restoration of the Conservation Easement Area to the condition that existed prior to any such injury. Without limiting Grantor's liability therefor or assuming responsibility therefor, Grantee, in its sole discretion, may apply any damages recovered to the cost of undertaking corrective action on the Conservation Easement Area.

C. Grantee's rights under this Paragraph 11 apply equally in the event of either actual or threatened violations of the terms of this Easement, and Grantor agrees that Grantee's remedies at law for any violation of the terms of this Easement are inadequate and that Grantee shall be entitled to the injunctive relief described in this Paragraph, both prohibitive and mandatory, in addition to such other relief to which Grantee may be entitled, including specific performance of the terms of this Easement, without necessity of proving either actual damages or the inadequacy of otherwise available legal remedies.

D. Any costs incurred by Grantee in enforcing the terms of this Easement against Grantor, including, without limitation, the costs of investigation, assessment, suit and attorneys' fees, and any costs of restoration necessitated by Grantor's violation of the terms of this Easement shall be borne by Grantor, provided that Grantor is determined to be responsible for a violation of the terms of this Easement, or to have permitted others to violate this Easement.

12. COSTS, LIABILITIES, AND ENVIRONMENTAL COMPLIANCE

A. Costs, Legal Requirements, and Liabilities. Grantor retains all responsibilities and shall bear all costs and liabilities of any kind related to the ownership,

operation, upkeep, and maintenance of the Property and the Conservation Easement Area, including taxes and the maintenance of adequate liability insurance coverage. While approval of Grantee may be required for certain construction, subdivision or other activity or use permitted by this Easement, Grantor remains solely responsible for obtaining any applicable governmental permits and approvals and all such construction, subdivision, or other activity or use shall be undertaken in accordance with all applicable federal, state, and local laws, regulations, and requirements.

B. Representations and Warranties. Grantor represents and warrants that, after reasonable investigation and to the best of his/her/their knowledge:

(i) No substance defined, listed, or otherwise classified pursuant to any federal, state, or local law, regulation, or requirement as hazardous, toxic, polluting, or otherwise contaminating to the air, water, or soil, or in any way harmful or threatening to human health or the environment exists or has been released, generated, treated, stored, used, disposed of, deposited abandoned, or transported in, on, from, or across the Property;

(ii) There are not now any underground storage tanks located on the Property, whether presently in service or closed, abandoned, or decommissioned; and

(iii) There is no pending or threatened litigation in any way affecting, involving, or relating to the Property.

C. Remediation. If, at any time, there occurs, or has occurred, a release in or on the Property of any substance now or hereafter defined, listed, or otherwise classified pursuant to any federal, state, or local law, regulation, or requirement as hazardous, toxic, polluting, or otherwise contaminating to the air, water, or soil, or in any way harmful or threatening to human health or the environment, Grantor agrees to take all steps necessary to assure its containment and remediation, including any cleanup that may be required.

D. Control. Nothing in this Easement shall be construed as giving rise, in the absence of a judicial decree, to any right or ability in Grantee to exercise physical or managerial control over the day-to-day operations of the Property, or any of Grantor's activities on the Property, or otherwise to become an operator with respect to the Property within the meaning of The Comprehensive Environmental Responses, Compensation, and Liability Act of 1980, as amended, ("CERCLA"). Any action by Grantee such as maintenance of the Property or any other act by Grantee to protect the Property shall be deemed merely a gratuitous act which shall create no obligation on the part of Grantee.

13. SUCCESSORS IN INTEREST

Except where the context requires otherwise, the term "Grantor" and "Grantee", as used in this instrument, and any pronouns used in place thereof, shall mean and include, respectively, Grantor and his/her/their personal representatives, heirs, successors, and assigns, and Grantee and its successors and assigns.

14. SUBSEQUENT TRANSFERS/STATEMENT OF COMPLIANCE

Grantor hereby agrees to incorporate the terms of this Easement by reference in any deed or other legal instrument by which he/she/they divest himself/herself/themselves of any interest in all or any portion of the Property, including, without limitation, any leasehold interest. Grantor further agrees to give written notice to Grantee of the transfer of any interest at least thirty (30) days prior to the date of such transfer. Failure of Grantor to perform any act required by this paragraph shall not impair the validity of this Easement or limit its enforceability in any way.

Upon request by Grantor, Grantee shall within thirty (30) days execute and deliver to Grantor, or to any party designated by Grantor, any document, including a written statement of compliance, which certifies, to the best of Grantee's knowledge, that Grantor is in compliance with any obligation of Grantor contained in this Easement or otherwise, if Grantor is not in compliance with the terms and conditions of this Easement, stating what violations of this Easement exist. Such statement of compliance shall be limited to the condition of the Property as of Grantee's most recent inspection. If Grantor requests more current documentation, Grantee shall conduct an inspection, at Grantee's expense, within thirty (30) days of receipt of Grantor's written request therefor.

15. LIMITATION OF GRANTOR LIABILITY

Grantor, and each subsequent owner of the Conservation Easement Area, shall have no personal liability for the observance or performance of the covenants and obligations of Grantor hereunder after such party has conveyed his/her/their interest in the Conservation Easement Area, provided that the provisions of Paragraph 14, above, have been fulfilled and all obligations thereunder discharged.

16. CHANGE IN ECONOMIC CONDITION

The fact that any use of the Conservation Easement Area that is expressly prohibited by the terms of this Easement may become greatly more economically valuable than uses permitted by the terms of this Easement, or that neighboring properties may in the future be put entirely to uses that are not permitted by this Easement, has been considered by Grantor in granting this Easement. Grantor believes that any such changes in the use of neighboring properties will increase the benefit to the public of the continuation of this Easement, and Grantor and Grantee intend that any such changes shall not be deemed to be circumstances justifying the termination or extinguishment of this Easement pursuant to Paragraphs 17 and 18. In addition, the inability of Grantor, his/her/their successors or assigns, to conduct or implement any or all of the uses permitted under the terms of this Easement, or the unprofitability of doing so, shall not impair the validity of this Easement or be considered grounds for its termination or extinguishment pursuant to Paragraphs 17 and 18.

17. STIPULATED VALUE OF GRANTEE'S INTEREST

A. Grantor acknowledges that this Easement constitutes a real property interest in the Conservation Easement Area immediately vested in Grantee, and that such interest has a fair market value. For purposes of allocating net proceeds in an extinguishment of all or part of this Easement pursuant to Paragraph 18, the share of Grantee's interest shall not be less than the percentage that the fair market value of this Easement on the date hereof bears to the fair market value of the Conservation Easement Area prior to considering the effects of this Easement (hereinafter called the "Easement Percentage").

The values for calculating the Easement Percentage shall be based upon a Qualified Appraisal obtained by Grantor. Upon receipt of such Qualified Appraisal, Grantor shall provide a copy of the Qualified Appraisal to Grantee. In the event that Grantor does not obtain a Qualified Appraisal, or does not provide a Qualified Appraisal to Grantee, the Easement Percentage shall be twenty percent (20%).

B. Grantor and Grantee, and any successors in interests, shall exhaust all legal remedies in order to preserve and protect the Conservation Purposes of this Easement. Grantor shall cooperate with Grantee in Grantee's performance of its obligations under this Paragraph 17.

C. In the event that all or part of this Easement is taken in exercise of eminent domain by public, corporate, or other authority so as to abrogate the conservation goals imposed by this Easement, Grantor and Grantee shall join in appropriate action at the time of such taking to recover the full value of the taking and all incidental or direct damages resulting from the taking. All reasonable expenses incurred by Grantor and Grantee in an effort to prevent a taking or in an effort to recover the full value of a taking shall be shared on an equal basis out of any recovered proceeds except in the event that:

- (i) Grantor and Grantee agree in writing to an alternative means for sharing such expenses; or
- (ii) All or part of this Easement is extinguished as a result of a judicial proceeding brought by or on behalf of Grantor, in which event all expenses shall be paid by Grantor.

18. EXTINGUISHMENT OF EASEMENT AND DISTRIBUTION OF NET PROCEEDS

A. Involuntary Extinguishment. In the event that all or part of the Property interests subject to this Easement are involuntarily extinguished by:

- (i) Eminent domain;
- (ii) Other judicial proceedings; or
- (iii) Settlement is reached between Grantor, Grantee, and condemner under threat of eminent domain, and Grantor joins with Grantee in accordance with Paragraph 17 B and 17 C above, Grantee's share of any proceeds recovered from any compensation in eminent domain or judicial proceedings or from the first lawful sale of the Conservation Easement Area, after the restrictions within this Easement have been extinguished, shall equal the Easement

Percentage, provided that a larger percentage has not been stipulated by agreement between Grantee and Grantor.

B. Voluntary Extinguishment. In the event that all or part of the property interests subject to this Easement are extinguished by:

- (i) Eminent domain;
- (ii) Other judicial proceedings; or
- (iii) Settlement is reached between Grantor, Grantee, and condemner

under threat of eminent domain, where such action is brought by or on behalf of Grantor or where Grantor does not join with Grantee in accordance with Paragraph 17B and 17C above, the value of the interests so taken shall be determined by an independent appraisal and the net proceeds recovered from any compensation in eminent domain or judicial proceedings or from the first lawful sale of the Conservation Easement Area after the restrictions within this Easement have been extinguished, shall be distributed between Grantor and Grantee in accordance with the findings of an independent appraisal of the interests taken. Provided, however, that in no event shall Grantee's share of said net proceeds be less than the Easement Percentage.

C. Net Proceeds. Grantee shall use its share of any net proceeds recovered as described in this Paragraph 18 exclusively for the acquisition of interests in land for Conservation Purposes.

For purposes of this Paragraph, proceeds shall not include an amount equal to the fair market value of any Improvements or permitted additional Improvements on the Conservation Easement Area affected by the eminent domain or judicial proceedings.

19. HOLD HARMLESS

Grantor, and each subsequent owner of the Conservation Easement Area, shall hold harmless, indemnify, and defend Grantee and its members, directors, officers, employees, agents, and contractors and his/her/their heirs, personal representatives, successors, and assigns of each of them (collectively "Indemnified Parties") from and against all liability (specifically including liability for violation of any law or regulation or failure to comply with any of the terms of this Easement), penalties, costs, losses, damages, expenses, causes of action, claims, demands, or judgements, including, without limitation, reasonable attorneys' fees, arising from or in any way connected with injury to or the death of any person, or physical damage to any property, resulting from an act, omission, condition, or other matter related to or occurring on or about the Conservation Easement Area, regardless of cause, unless due solely to the negligence of any of the Indemnified Parties.

20. FAILURE OF GRANTEE TO ENFORCE

If at any time any organization, agency, or person having rights or duties hereunder as Grantee shall fail to enforce the restrictions set forth in this Easement, Grantor, or any governmental unit of Chester County, shall have the right to bring suit against Grantee for specific performance.

21. ASSIGNABILITY/TRANSFER OF GRANTEE'S INTEREST

A. Grantee and its successors and assigns shall have the right to assign either wholly or partially its right, title, and interest hereunder only to an organization able to enforce the restrictions contained herein which has purposes similar to those of Grantee, and which encompasses the purposes set forth in this Easement. Such an organization must at the time of the assignment be a qualified organization within the meaning of Section 170(h)(3) of the Internal Revenue Code of 1986 (or its successor provisions), hereinafter the "Code", and one which is organized or operated primarily or substantially for one of the conservation purposes specified in Section 170(h)(4)(A) of the Internal Revenue Code. Any transfer or assignment of benefits by Grantee or its successor must require the transferee or assignee to carry out the Conservation Purposes of this Easement.

B. In the event Grantee shall cease to exist or to be a qualified organization as described in subparagraph 21A herein, its rights and duties hereunder shall become vested in and fall upon one of the following named entities to the extent such entity shall evidence acceptance of and agree to fully enforce same:

- (i) Brandywine Conservancy;
- (ii) Natural Lands Trust;
- (iii) Chester County, a political subdivision of the Commonwealth of Pennsylvania; or
- (iv) Such other organizations as may be designated under the doctrine of *cy pres* by a court of competent jurisdiction; provided, however, that at the time of such designation, such entity shall be an organization as described in subparagraph 21A of this Easement.

22. DISCRETIONARY CONSENT AND AMENDMENTS

Grantee recognizes that circumstances could arise which could justify the modification or waiver of certain prohibitions or restrictions contained in this Easement. To this end, Grantee shall have the right, in its sole discretion, to temporarily waive a restriction or permit an activity restricted or prohibited herein, and Grantee and Grantor shall mutually have the right, in their sole discretion, to agree to amendments to this Easement. Any such waiver or amendment must be consistent with the Conservation Purposes of this Easement and shall not result in an increase in the number of Residences permitted herein. Grantee shall have no right or power to agree to any waiver or amendment of this Easement or permit any activity restricted or prohibited by this Easement that would result in this Easement failing to qualify as a valid conservation easement under Section 170(h) of the Internal Revenue Code of 1986, as amended,

or to allow any residential, commercial or industrial Improvements or any commercial or industrial activities not provided for by this Easement.

23. EASEMENT IN PERPETUITY

The provisions hereof shall inure to and be binding upon the heirs, executors, administrators, devisees, successors, and assigns, as the case may be, of the parties hereto and shall be covenants running with the land in perpetuity.

24. SEVERABILITY

This Easement shall be construed in its entirety. However, in the event that any provision or restriction of this Easement or the application thereof to any person or circumstance is found to be invalid, the remainder of the provisions and restrictions of this Easement, and the application of such provision or restriction to persons or circumstances other than those as to which it is found to be invalid, shall not be affected thereby.

25. GOVERNMENTAL REGULATIONS

The provisions set forth in this Easement are in addition to those set forth in any ordinances, regulations, or laws of Malvern Borough, Chester County, the Commonwealth of Pennsylvania, and the United States, and any agencies or authorities thereof. The most restrictive provision whether it be by this Easement or by a government ordinance, regulation, or law, shall control.

26. CAPTIONS

The captions in this Easement have been inserted solely for convenience of reference and are not a part of this Easement and shall have no effect upon construction or interpretation.

27. ACKNOWLEDGMENTS

A. Grantor has received and fully reviewed the Baseline Documentation and attests that it is a true, correct and complete summary of the Conservation Purposes of this Easement and is an accurate representation of the Property as of the date of this Easement.

B. Grantor attests that it is the sole owner of the Conservation Easement Area and that the Conservation Easement Area is not subject to a mortgage or lien as of the date of this Easement.

Ruthland Avenue Tract Easement Draft 09/11/01 1:10 PM

IN WITNESS WHEREOF, and again stating his/her/their intention to be legally bound hereby, the said parties have hereunto set his/her/their hands and respective seals on the day and year first above written.

WITNESS

HENRY BRIGGS
President of Borough Council

DATE

WILLISTOWN CONSERVATION TRUST, INC.

(Seal)

BY _____

ATTEST _____
)
) ss.
)

BE IT REMEMBERED that on this day of , 2001, personally appeared before me, the Subscriber, a Notary Public for the State and County aforesaid, Henry Briggs, party to this Indenture, known to me personally to be such, and severally acknowledged this Indenture to be his/her deed.

GIVEN under my hand and seal of office, the day and year aforesaid.

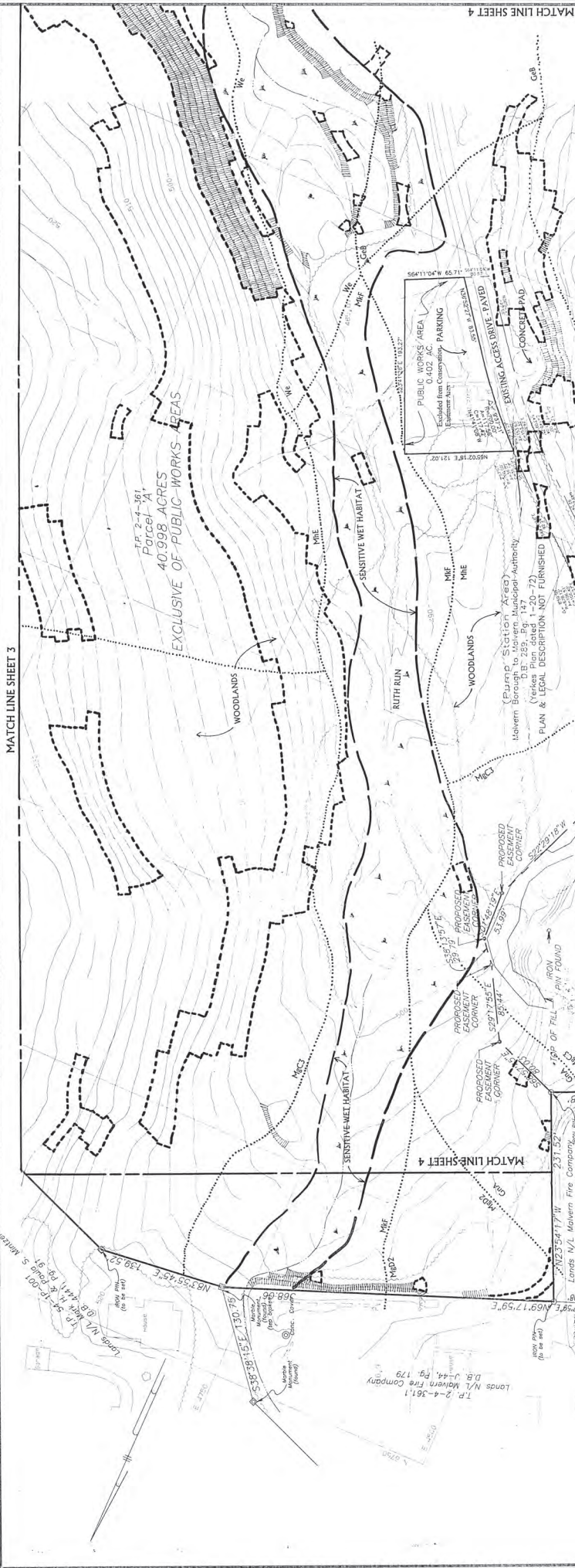
Notary Public

)
) ss.
)

BE IT REMEMBERED that on this day of , 2001, personally appeared before me, the Subscriber, a Notary Public for the State and County aforesaid, Jeanne B. Van Alen, President of Willistown Conservation Trust, Inc., a corporation existing under the laws of the State of Pennsylvania, party to this Agreement, and acknowledge this Indenture to be her act and deed and the act and deed of said corporation; that the signature of the President thereto is in her own proper handwriting and the seal affixed is the common and corporate seal of said corporation, and that her act of sealing, executing, acknowledging and delivering said Indenture was duly authorized by a resolution of the Board of Directors of said corporation.

GIVEN under my Hand and Seal of Office, the day and year aforesaid.

Notary Public



WILLISTOWN CONSERVATION TRUST
7000 Goshen Road - Newtown Square, PA 19073
Phone: (610) 353-2502 - Fax: (610) 325-0869
E-Mail: land@willistown.org

Linda N/L Layman's Wetland Referral
League of Philadelphia
D.B. V-15, Pg. 498

EXHIBIT "A" TO CONSERVATION EASEMENT AREA

Peter Krassos, Jr. & Associates, Inc.
An Affiliate of Edward B. Walsh & Associates, Inc.
55 Country Club Drive - Suite 100 - Downingtown, PA 19335

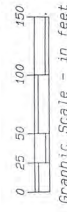
Rev. April 19, 2001
This map was prepared for the purpose of illustrating the location and extent of the easement area. It is not to be used for any other purpose without the written consent of the undersigned.
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BOROUGH OF MALVERN
Boundary and Topographical Survey Plan for
Malvern Borough
Chester County, PA

Surveyed By
Howard W. Doran Engineering and Surveying
A Division of Conner and Smith Engineering, Inc.
6 N. Neilson Street Rd. - P.O. Box 296 - Neilson Square, PA 19073 (610) 356-6366
June 1, 2000
Plan No. MAL-8649-00
Scale: 1" = 50'

Sheet 2 of 4

LEGEND
SENSITIVE WET HABITAT
WOODLANDS
STEED SLOPES 15% - 25%
STEED SLOPES > 25%



Graphic Scale - in feet

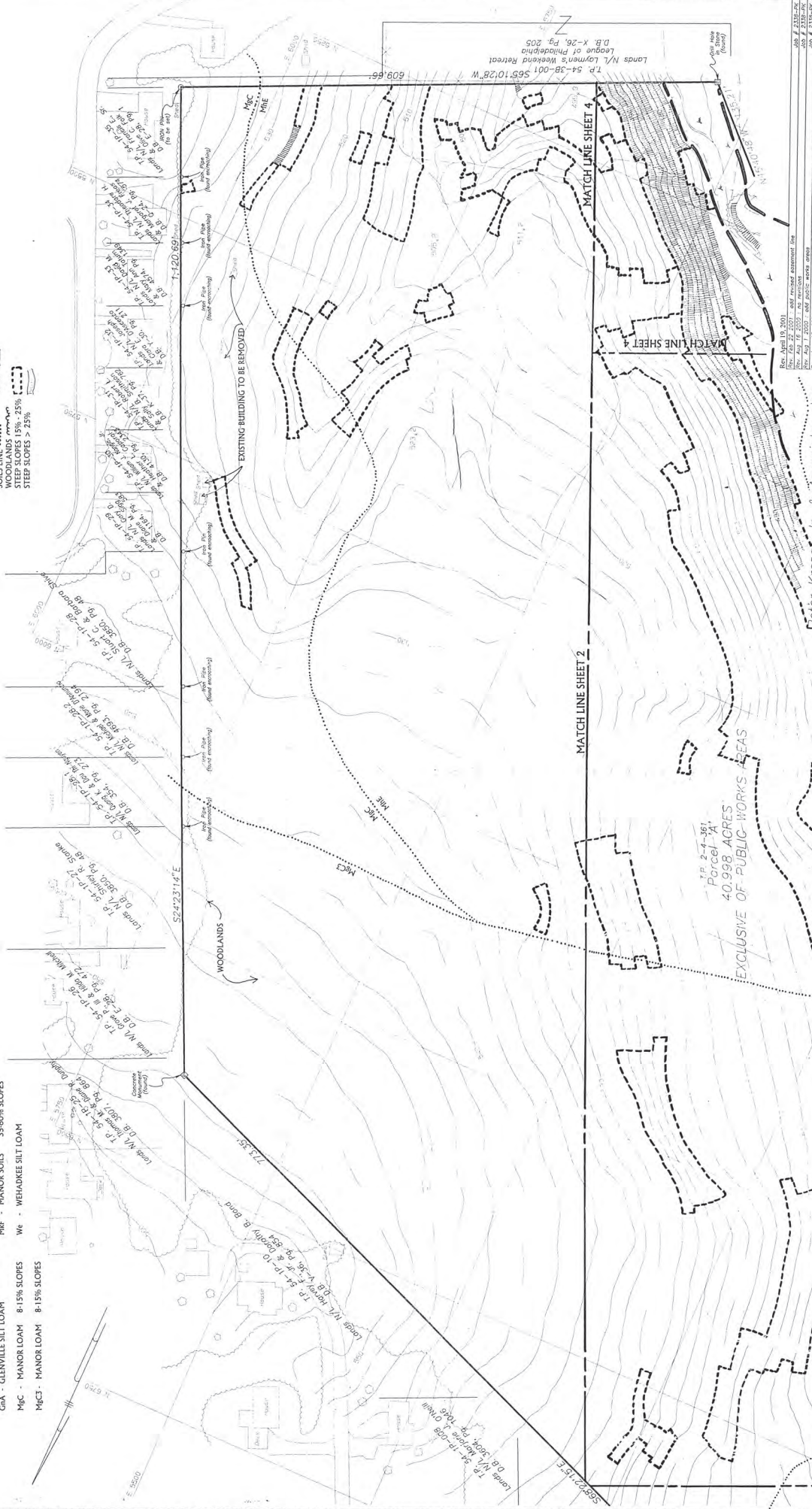
SOILS

GB - GLENELG CHANNERY SILT LOAM
 GHA - GLENVILLE SILT LOAM
 MGC - MANOR LOAM 8-15% SLOPES
 MGC3 - MANOR LOAM 8-15% SLOPES

MGD2 - MANOR LOAM 15-25% SLOPES
 MRE - MANOR LOAM 25-35% SLOPES
 MRF - MANOR SOILS 35-40% SLOPES
 WE - WEHADKEE SILT LOAM

LEGEND

SENSITIVE WET HABITAT
 WOODLANDS
 STEEP SLOPES 15% - 25%
 STEEP SLOPES > 25%



MATCH LINE SHEET 2

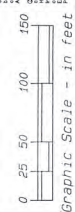
MATCH LINE SHEET 2

MATCH LINE SHEET 4

MATCH LINE SHEET 4

**EXHIBIT "A" TO CONSERVATION
 EASEMENT AREA**

WILLISTOWN CONSERVATION TRUST
 7000 Godwin Road - Newtown Square, PA 19073
 Phone: (610) 355-2452 - Fax: (610) 355-0860
 E-Mail: info@willistown.org

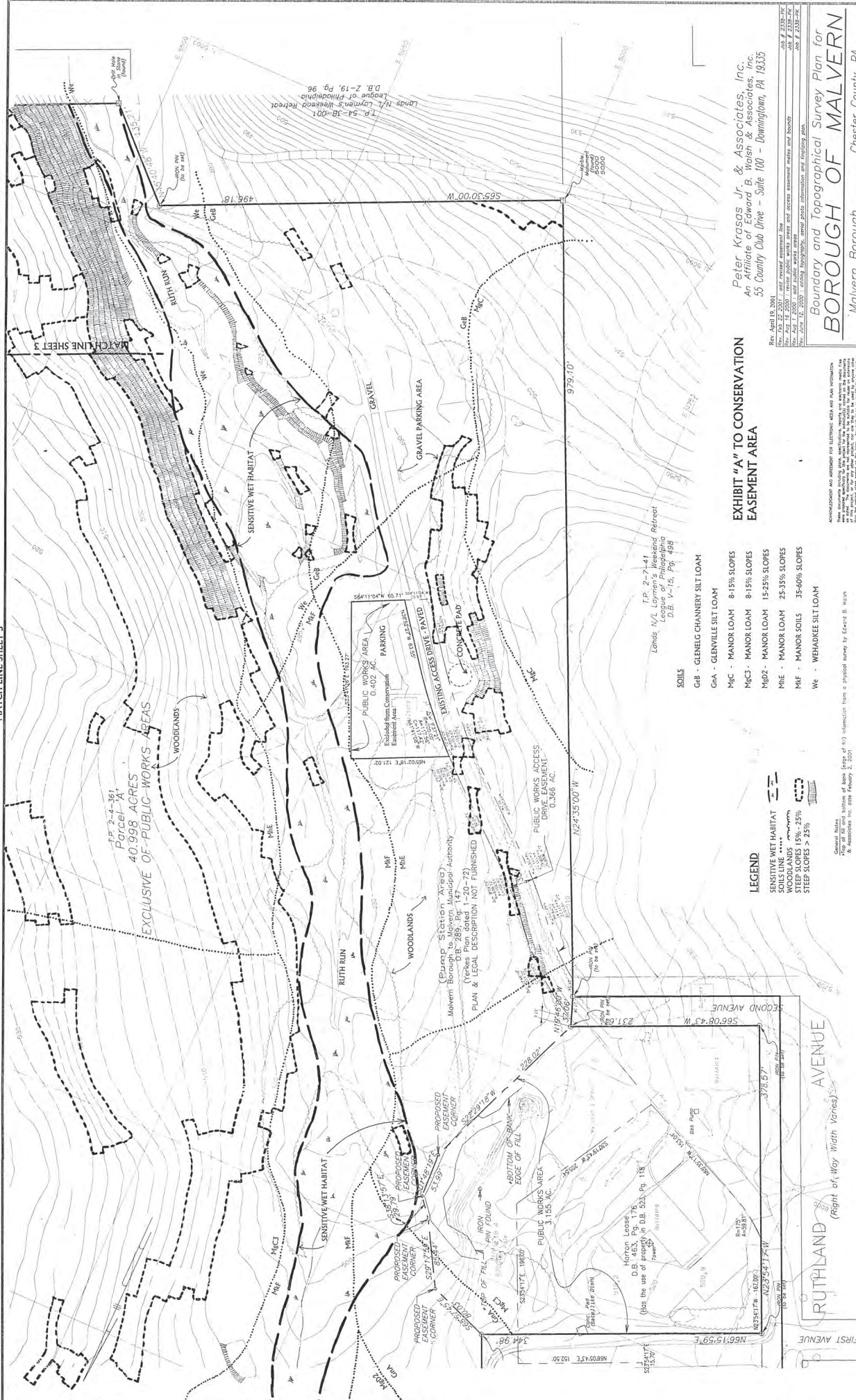


Graphic Scale - in feet

Peter Krassas Jr. & Associates, Inc.
 An Affiliate of Edward B. Walsh & Associates, Inc.
 15 Country Club Drive - Suite 100 - Downingtown, PA 19335

BOROUGH OF MALVERN
 Malvern Borough
 Chester County, PA

Surveyed By
Howard W. Doran Engineering and Surveying
 A Division of Conner and Smith Engineering, Inc.
 6 N. Neilson Street Rd. - P.O. Box 296 - Neilson Square, PA 19073 (610) 395-6306
 June 1, 2000
 Plan No. MAL-8649-00
 Scale: 1" = 50'



T.P. 2-4-361
Parcel "A"
40.998 ACRES
EXCLUSIVE OF PUBLIC WORKS AREAS

Lands N/L Lorman's Weekend Retreat
D.B. 2-19, Pg. 96
T.P. 54-38-001
Lands N/L Lorman's Weekend Retreat
D.B. 2-19, Pg. 96

(Buried Station Area)
Mokem Borough
Verkes Plan dated 1-20-72
PLAN & LEGAL DESCRIPTION NOT FURNISHED

T.P. 2-7-41
Lands N/L Lorman's Weekend Retreat
League of Philadelphia
D.B. 7-15, Pg. 189

- SOILS**
- GrB - GLENGLE CHANNERY SILT LOAM
 - GrA - GLENGLE SILT LOAM
 - MbC - MANOR LOAM 8-15% SLOPES
 - MbC3 - MANOR LOAM 8-15% SLOPES
 - MbD2 - MANOR LOAM 15-25% SLOPES
 - MbE - MANOR LOAM 25-35% SLOPES
 - MbF - MANOR SOILS 35-60% SLOPES
 - We - WEBAKEE SILT LOAM

- LEGEND**
- SENSITIVE WET HABITAT
 - WOODLANDS
 - STEEL SLOPES 15% - 25%
 - STEEL SLOPES > 25%

General Notes:
*Top of fill and bottom of bank (edge of fill) information from a physical survey by G-4-12 B. Nish
& Associates Inc. dated February 2, 2001.



Graphic Scale - in feet

EXHIBIT "A" TO CONSERVATION EASEMENT AREA

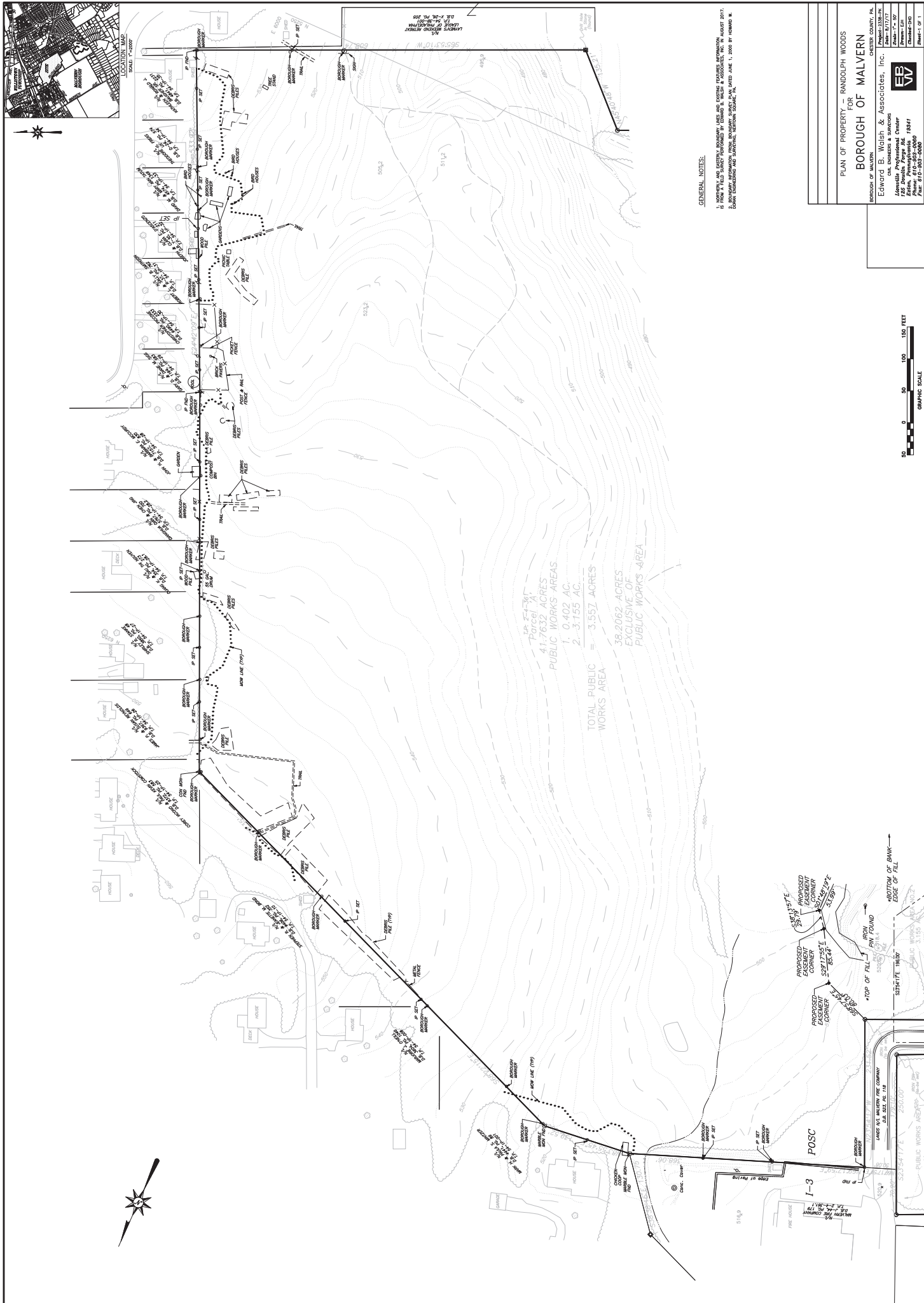
Peter Krassos Jr. & Associates, Inc.
An Affiliate of Edward B. Krassos & Associates, Inc.
55 Country Club Drive - Suite 100 - Doringham, PA 19335

Rev. April 19, 2001
Rev. July 12, 2001 - minor public works area and access easement and boundary
Rev. June 12, 2003 - revised easement box
Rev. July 12, 2003 - revised easement box
Rev. July 12, 2003 - revised easement box
Rev. July 12, 2003 - revised easement box

Boundary and Topographical Survey Plan for **BOROUGH OF MALVERN** Malvern Borough Chester County, PA

Surveyed By
Howard W. Doran Engineering and Surveying
A Division of Conner and Smith Engineering, Inc.
6 N. Newland Street Rd. - P.O. Box 296 - Newland Square, PA 19021 (610-356-6306)
June 1, 2000
Plan No. MAL-8649-00
Scale: 1" = 50'

WILLISTOWN CONSERVATION TRUST
7000 Goshen Road - Newcomer Square, PA 19073
Phone: (610) 352-2462 - Fax: (610) 352-0869
E-Mail: land@willistown.org



GENERAL NOTES:

1. NORTHERLY AND EASTERLY BOUNDARY LINES AND DISTING FEATURES INFORMATION IS FROM A FIELD SURVEY PERFORMED BY EDWARD B. WALSH & ASSOCIATES, INC. IN AUGUST 2017.

PLAN OF PROPERTY – RANDOLPH WOODS
FOR
BOROUGH OF MALVERN

BORDER OF MATTER	Edward B. Walsh & Associates, Inc. CIVIL ENGINEERS & SURVEYORS <i>Licensed Professional Center</i> 1250 DuSable Freeway Rd. Ardmore, Pennsylvania 19341 Phone: 610-903-0060 Fax: 610-903-0060		Project: 3338-PK
			Date: 6/17/17
			Scale: 1" = 50'
			Drawing: E-11
			Checked: DHD
			Sheet: 1 OF 1



File: 670-903-0080
Plotted: 8/18/2017 File: D:\670-903-0080\mshwrf-50.rpt

Estimated Costs of Development Summary		
1. Ruthland Ave Entrance	\$	198,000
Total Proposed Site Improvements	\$	158,200
Design and Engineering (10%)	\$	15,900
Construction Cost Total	\$	23,900
2. First Ave Entrance	\$	173,000
Total Proposed Site Improvements	\$	138,200
Design and Engineering (10%)	\$	13,900
Construction Cost Total	\$	20,900
3. Pump House Area	\$	262,100
Total Proposed Site Improvements	\$	209,600
Design and Engineering (10%)	\$	21,000
Construction Cost Total	\$	31,500
4. Picnic & Play Meadow	\$	217,600
Total Proposed Site Improvements	\$	174,000
Design and Engineering (10%)	\$	17,400
Construction Cost Total	\$	26,200
5. Trail Improvements	\$	259,900
Total Proposed Site Improvements	\$	207,800
Design and Engineering (10%)	\$	20,800
Construction Cost Total	\$	31,300
Forest Management and Restoration	\$	601,400
Total Proposed Site Improvements	\$	481,000
Design and Engineering (10%)	\$	48,100
Construction Cost Total	\$	72,300
Preserve Wide Improvements Total:	\$	1,712,000
Total Proposed Park Wide Site Improvements	\$	1,368,800
Design and Engineering (10%)	\$	137,100
Construction Cost Total	\$	206,100

* Construction Cost Include are estimated as a percentage of the total improvement cost. They include: Mobilization 3%, Erosion & Sedimentation Control 2%, and Construction Contingency 10%

1. Ruthland Ave Entrance				
		Total Proposed Site Improvements	\$	158,200
		Design & Engineering (10%)	\$	15,900
		Mobilization (3%)	\$	4,800
		Erosion and Sedimentation Control (2%)	\$	3,200
		Construction Contingency (10%)	\$	15,900
		Total Estimated Project Costs	\$	198,000
Item No.	Item Description	Estimated Quantity	Unit Price	Total Item Amount
Pedestrian Improvements				\$ 33,600
1.	Ruthland Ave Sidewalk - 4' wide borough standard with curb	344 LF	\$ 80.00	\$ 27,520
2.	Crosswalks - curb cut, DWS, & Stripping	3 LS	\$ 2,000.00	\$ 6,000
Vehicular Improvements				\$ 28,300
1.	Widen Driveway 3' - includes full width mill and overlay & stabilization	565 LF	\$ 50.00	\$ 28,250
Utility Improvements				\$ 73,000
1.	Sanitary Sewer line	525 LF	\$ 54.00	\$ 28,350
2.	Grinder/Pump Station	1 LS	\$ 10,000.00	\$ 10,000
3.	Waterline - 2" copper line	525 LF	\$ 66.00	\$ 34,650
Amenities				\$ 3,500
1.	New Preserve Sign - First and Ruthland Ave	1 EA	\$ 3,500.00	\$ 3,500
Planting				\$ 5,400
1.	Entrance Sign Plantings	200 SF	\$ 7.50	\$ 1,500
2.	Tree Plantings	6 EA	\$ 650.00	\$ 3,900
Stormwater Infrastructure / Best Management Practices				\$ 14,400
1.	Eastern Public Work Yard - Vegetative Swale / Diversion Berm	320 LF	\$ 45.00	\$ 14,400

2. First Ave Entrance

Total Proposed Site Improvements	\$	138,200
Design & Engineering (10%)	\$	13,900
Mobilization (3%)	\$	4,200
Erosion and Sedimentation Control (2%)	\$	2,800
Construction Contingency (10%)	\$	13,900
Total Estimated Project Costs	\$	173,000

Item No.	Item Description	Estimated Quantity	Unit Price	Total Item Amount
Pedestrian Improvements				\$ 47,100
1.	First Ave Sidewalk - 4' wide borough standard with curb	450 LF	\$ 80.00	\$ 36,000
2.	Crosswalks - curb cut, DWS, & Stripping	3 EA	\$ 2,000.00	\$ 6,000
3.	Connector Trail - 5' wide Stone Dust	280 SF	\$ 18.00	\$ 5,040
Pump Track 610 LF				\$ 46,100
1.	Fill Material	610 CY	\$ 45.00	\$ 27,450
2.	Site Grading	610 CY	\$ 25.00	\$ 15,250
3.	Stabilization Planting	1,112 SY	\$ 3.00	\$ 3,335
Admenities				\$ 20,000
1.	Pump Track Sign	1 EA	\$ 2,000.00	\$ 2,000
2.	Walkway and plaza paving - concrete	1,164 SF	\$ 6.00	\$ 6,984
3.	Trail Head Signage	1 LS	\$ 2,000.00	\$ 2,000
4.	Bike Rack	2 EA	\$ 1,600.00	\$ 3,200
5.	Benches	4 EA	\$ 1,450.00	\$ 5,800
Planting				\$ 22,500
1.	Entrance Plantings	200 SF	\$ 7.50	\$ 1,500
2.	Meadow Planting - Firehouse Side	0.02 AC	\$ 6,000.00	\$ 138
3.	Buffer Planting	12,500 SF	\$ 1.25	\$ 15,625
4.	Tree Plantings	8 EA	\$ 650.00	\$ 5,200
Stormwater Infrastructure / Best Management Practices				\$ 2,500
1.	Pump Track - Vegetative Swale	55 LF	\$ 45.00	\$ 2,475

3. Pump House Area				
		Total Proposed Site Improvements	\$	209,600
		Design & Engineering (10%)	\$	21,000
		Mobilization (3%)	\$	6,300
		Erosion and Sedimentation Control (2%)	\$	4,200
		Construction Contingency (10%)	\$	21,000
		Total Estimated Project Costs	\$	262,100
Item No.	Item Description	Estimated Quantity	Unit Price	Total Item Amount
Pedestrian Improvements				\$ 17,900
1.	Driveway entrance Side trail- 5' wide asphalt	203 SY	\$ 50.00	\$ 10,139
2.	Connector Trail - 5' wide Stone Dust	429 LF	\$ 18.00	\$ 7,722
Admenities				\$ 166,500
1.	Restroom Facility - on Concrete Pad, w Electrical & Water Service	1 LS	\$ 160,000.00	\$ 160,000
2.	Trail Head Signage	1 LS	\$ 2,000.00	\$ 2,000
3.	Bike Rack	1 EA	\$ 1,600.00	\$ 1,600
4.	Benches	2 EA	\$ 1,450.00	\$ 2,900
Pump House				\$ 12,700
1.	Demo Asphalt Paving	30 SY	\$ 5.00	\$ 150
2.	Demo Fencing	195 LF	\$ 3.00	\$ 585
3.	New Fencing	140 EA	\$ 85.00	\$ 11,900
Planting				\$ 6,600
1.	Trail Head Plantings	200 SF	\$ 7.50	\$ 1,500
2.	Meadow Planting	0.19 AC	\$ 6,000.00	\$ 1,144
3.	Tree Plantings	6.00 EA	\$ 650.00	\$ 3,900
Stormwater Infrastructure / Best Management Practices				\$ 5,900
1.	Parking - Vegetative Swale	130 LF	\$ 45.00	\$ 5,850

4. Picnic & Play Meadow

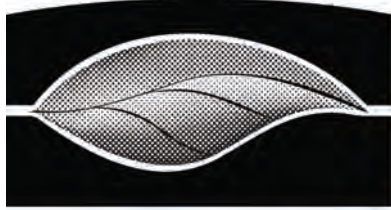
Total Proposed Site Improvements	\$ 174,000
Design & Engineering (10%)	\$ 17,400
Mobilization (3%)	\$ 5,300
Erosion and Sedimentation Control (2%)	\$ 3,500
Construction Contingency (10%)	\$ 17,400
Total Estimated Project Costs	\$ 217,600

Item No.	Item Description	Estimated Quantity	Unit Price	Total Item Amount
Pedestrian Improvements				\$ 22,300
		0.15 Miles		
1.	Meadow Loop Trail - 5' wide Stone Dust	1,234 LF	\$ 18.00	\$ 22,212
Amenities				\$ 125,500
1.	Educational Signage	1 LS	\$ 1,000.00	\$ 1,000
2.	Pavilion - On concrete pad with electrical service	1 CY	\$ 75,000.00	\$ 75,000
3.	Picnic Tables	6 EA	\$ 1,000.00	\$ 6,000
4.	Nature Base Play Area - 1500 SF	1 LS	\$ 25,000.00	\$ 25,000
5.	6" Engineered Wood Fiber - includes prepared subbase for drainage	1,500 SF	\$ 6.50	\$ 9,750
6.	Benches	6 EA	\$ 1,450.00	\$ 8,700
Planting				\$ 26,200
1.	Demo Access Drive	1,286 SY	\$ 4.00	\$ 5,144
2.	Top soil and grade old driveway	214 CY	\$ 45.00	\$ 9,645
3.	Nature Base Play Plantings	400 SF	\$ 7.50	\$ 3,000
4.	Meadow Planting	0.52 AC	\$ 6,000.00	\$ 3,116
5.	Tree Plantings	8 EA	\$ 650.00	\$ 5,200

5. Forest Wide				
		Total Proposed Site Improvements	\$	207,800
		Design & Engineering (10%)	\$	20,800
		Mobilization (3%)	\$	6,300
		Erosion and Sedimentation Control (2%)	\$	4,200
		Construction Contingency (10%)	\$	20,800
		Total Estimated Project Costs	\$	259,900
Item No.	Item Description	Estimated Quantity	Unit Price	Total Item Amount
Duffryn Trail Improvements		0.28 Miles*		\$ 30,400
1.	New Trail Alignment - 3-5' Wide Hiking Trail	435 LF	\$ 4.50	\$ 1,958
2.	Existing Trail to Remain	737 LF	\$ 1.00	\$ 737
3.	Removal of old Trail Alignment - Soil amendments & Planting	265 LF	\$ 10.00	\$ 2,650
4.	Improved Bridge Crossing	1 LS	\$ 25,000.00	\$ 25,000
ADA Stream Loop Trail		0.36 Miles*		\$ 90,100
1.	New Trail - ' 5' wide Stone Dust	1,515 LF	\$ 18.00	\$ 27,270
2.	Boardwalk	1,255 SF	\$ 50.00	\$ 62,750
Pine Plantation Loop		0.42 Miles*		\$ 10,900
1.	New Trail - 3-5' Wide Hiking Trail	333 LF	\$ 4.50	\$ 1,499
2.	Existing Trail to Remain	1,019 LF	\$ 1.00	\$ 1,019
3.	Removal of old Trail Alignment - Soil amendments & Planting	832 LF	\$ 10.00	\$ 8,320
Birders Loop		0.44 Miles*		\$ 10,900
1.	New Trail - 3-5' Wide Hiking Trail	1,385 LF	\$ 4.50	\$ 6,233
2.	Existing Trail to Remain	465 LF	\$ 1.00	\$ 465
3.	Removal of old Trail Alignment - Soil amendments & Planting	414 LF	\$ 10.00	\$ 4,140
Mix Hardwood Forest Perimeter Trail Loop		0.92 Miles*		\$ 42,700
1.	New Trail - 3-5' Wide Hiking Trail	1,435 LF	\$ 4.50	\$ 6,458
2.	Existing Trail to Remain	1,177 LF	\$ 1.00	\$ 1,177
3.	Removal of old Trail Alignment - Soil amendments & Planting	1,000 LF	\$ 10.00	\$ 10,000
4.	Improved Bridge Crossing	1 LS	\$ 25,000.00	\$ 25,000
Amenities				\$ 22,800
1.	Interpretative Signage	3 EA	\$ 5,000.00	\$ 15,000
2.	Trail Head Sign	1 LS	\$ 2,000.00	\$ 2,000
3.	Outdoor Classroom - wood logs	1 LS	\$ 2,400.00	\$ 2,400
4.	Bike Rack	1 EA	\$ 1,600.00	\$ 1,600
5.	Log Benches	12 EA	\$ 150.00	\$ 1,800

*Note distance reflects the walking loop and overlaps with other trail loops

Forest Management and Restoration				
		Total Proposed Site Improvements	\$	481,000
		Design & Engineering (10%)	\$	48,100
		Mobilization (3%)	\$	14,500
		Erosion and Sedimentation Control (2%)	\$	9,700
		Construction Contingency (10%)	\$	48,100
		Total Estimated Project Costs	\$	601,400
Item No.	Item Description	Estimated Quantity	Unit Price	Total Item Amount
Deer Management		4.4 Acres		\$ 244,400
1.	Deer Fencing - 12' high Locust post & woven, knotted, wire mesh	4,350 LF	\$ 55.00	\$ 239,250
2.	Gates - self closing	4 EA	\$ 650.00	\$ 2,600
3.	Educational / Restoration Informational signage	5 EA	\$ 500.00	\$ 2,500
Forest Management Area #1 - White Pine Plantation		4.4 Acres		\$ 50,000
1.	Targeted Invasive Removal Year 1-3 - cost per acre per year	13.2 AC	\$ 1,000.00	\$ 13,200
2.	Restoration Tree Planting Year 4	1 AC	\$ 5,202.00	\$ 5,202
3.	Light thinning, Timber Stand Improvement Year 7	4 AC	\$ 700.00	\$ 3,080
4.	Restoration Tree Planting Year 8	1 AC	\$ 5,202.00	\$ 5,202
5.	Eco Tone Transition Planting	3 AC	\$ 7,750.00	\$ 23,250
Forest Management Area #2 - Mixed Hardwood		4.5 Acres		\$ 27,100
1.	Targeted Invasive Removal Year 1-3 - cost per acre per year	13.5 YR	\$ 1,000.00	\$ 13,500
2.	Restoration Tree Planting Year 4	1 AC	\$ 5,202.00	\$ 5,202
3.	Light thinning, Timber Stand Improvement Year 6	5 AC	\$ 700.00	\$ 3,150
4.	Restoration Tree Planting Year 7	1 AC	\$ 5,202.00	\$ 5,202
Forest Management Area #3 - Mixed Hardwood		17.4 Acres		\$ 106,500
1.	Targeted Invasive Removal Year 1-3 - cost per acre per year	52.2 YR	\$ 1,000.00	\$ 52,200
2.	Restoration Tree Planting Year 4	1 AC	\$ 3,468.00	\$ 3,468
3.	Light thinning, Timber Stand Improvement Year 5	1 EA	\$ 700.00	\$ 700
4.	Restoration Tree Planting Year 6	1 AC	\$ 3,468.00	\$ 3,468
5.	Light thinning, Timber Stand Improvement Year 9	17 AC	\$ 700.00	\$ 12,180
6.	Restoration Tree Planting Year 10	1 AC	\$ 3,468.00	\$ 3,468
7.	Understory Planting	1 AC	\$ 7,750.00	\$ 7,750
8.	Savanah Understory Planting	3 AC	\$ 7,750.00	\$ 23,250
Forest Management Area #4 - Head Water Protection Area		9.4 Acres		\$ 53,000
1.	Targeted Invasive Removal Year 1-3 - cost per acre per year	28.2 YR	\$ 1,000.00	\$ 28,200
2.	Restoration Tree Planting Year 4	1 AC	\$ 3,468.00	\$ 3,468
3.	Restoration Tree Planting Year 6	1 AC	\$ 3,468.00	\$ 3,468
4.	Restoration Tree Planting Year 8	1 AC	\$ 3,468.00	\$ 3,468
5.	Selective Removal of Spruce	9 EA	\$ 700.00	\$ 6,580
6.	Riparian Secessional Meadow Planting	1 AC	\$ 7,750.00	\$ 7,750



SIMONE COLLINS
LANDSCAPE ARCHITECTURE
119 EAST LAFAYETTE STREET NORRISTOWN, PA 19401
PHONE: 610.239.7601 FAX: 610.239.7606
WWW: SIMONECOLLINS.COM

MEETING NOTES

Project:	Randolph Woods Nature Preserve Master Plan	Project No.:	19065.10
Location:	Malvern Borough 1 East First Ave Malvern, PA 19355	Meeting Date/Time:	12/16/19 6:30 PM
Re:	Project start up	Issue Date:	12/19/19

ATTENDEES: Mark Niemiec, Brian Walker, Joe Bones, Brendan Phillips, Zoe Warner, John Butow, Chris Bashore (Manager), Peter Simone (Simone Collins - SC)

NOTES:

1. After introductions, Peter Simone (PS) reviewed the overall master plan process including public meeting dates that are confirmed. (1/22, 3/25, 5/6, 6/24). All public meeting will be at the Borough and begin at 7 PM. Length of meetings will be 1.5 to 2 hours.
2. Discussion about possible funding options. PS recommended that the Borough consider grant applications for phase 1 improvements. Agencies include: DCNR (due 4/15), DCED (due 5/30). Chester County is also a possibility. Mark Niemiec noted the possibility of attracting private funds from organizations like Aqua PA. Pete mentioned that a partnership with the Willistown Conservation Trust (WCT) might help tap into foundation monies (such as William Penn Foundation). Chris Bashore mentioned that the Borough may have another DCNR grant priority for 2020.
3. Bill Hartman at the WCT is the key contact there. He has been involved with the Randolph Woods project and may be able to be of some assistance. WCT has not "signed on" as an official partner on this project as of yet.
4. The Malvern Borough / committee requested that SC obtain a scope of work and fee from Applied Ecological Services (AES) (Mike McGraw) for an ecological assessment of the site as well as assistance with management recommendations for Randolph Woods. AES will subcontract to SC.
5. WCT is engaged in a watershed study for the Crum Creek Watershed. They are about a year into this project. SC should contact them to get an update on their work. Mark Niemiec stressed the watershed protection aspects of the project as a means of attracting funding. He reiterated this is important dimension to the project.
6. PS reviewed the basic format of public meeting #1 which will be an overview of the master plan process with the bulk of the meeting devoted to soliciting ideas and

concepts from the public. While the committee has some great ideas for the site, PS stressed that the project committee should endeavor to not influence the public with committee concepts (since they have been at this for almost 3 years). It is important that the public is allowed to brainstorm. The committee noted that the SC presentation should include educational aspects including but not limited to

- a. Conservation easement parameters
 - b. Define what a watershed is
7. There is a Crum Creek Watershed Association cleanup event scheduled for Randolph Woods April 4, 2020.
8. There was a family camping event last fall at the meadow in Randolph Woods. Despite the cold roughly 5 families camped overnight.
9. Joe Bones reminded SC of residential property encroachments that have been an issue for approximately 12 properties in the southeast corner of the site. About 3 properties are still contentious and this may come up at public meeting. PS suggested that as this has been an on-going issue, SC will treat it as a settled issue and that property owners must vacate public land that they are occupying.
10. Mark Niemiec read the committee report vision statement. This is a helpful document and will be used during the master plan process. Enhancements and word-smithing are welcome where appropriate.
11. PS mentioned the possibility of fencing the property to prevent deer damage. Tyler Arboretum was mentioned as a local example of successful deer fencing.
12. There is some existing fencing adjacent to the site on the retreat property.
13. The Malvern Business and Professional Association was mentioned as a possible partner.
14. The idea of "Stewards of Randolph Woods" was proposed by the committee. PS mentioned that this type of citizens organization can also be helpful with funding agencies, where it is beneficial for them to see local, grass root support.
15. SC to do list:
 - a. **Prepare meeting flyer for Jan meeting and listing subsequent meetings. Send to Borough and committee via email. Flyer should include a map of where Randolph Woods is located.**
 - b. **Prepare draft survey for committee review no later than Jan 10. Committee to review and send comments back to SC by Jan 17 at the latest.**
 - c. **Review committee 2017 report.**
 - d. **Review Conservation Easement**
16. The Malvern Borough / committee to do list:
 - a. **Promote the Jan 22nd public meeting via:**
 - i. Borough parks Facebook page
 - ii. Borough web page
 - iii. Local web news services i.e., "Patch"
 - iv. Distribute meeting flyers to local businesses and apartments

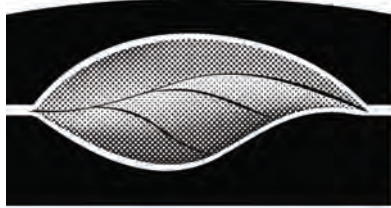
- v. Township Newsletter (to promote opinion survey participation) that will go out with sewer bills near the end of January
17. SC requested that the Borough Manager do the following:
- a. Request an AutoCAD copy of the topographic and site survey (year 2000) from the Willistown Conservation Trust – for whom the survey was completed.
18. PS noted that committee meetings are not in the scope of work. SC can add some committee meetings if the Borough wishes; SC will charge additional fee for these meetings. The group agreed that all / most coordination can be completed via conference call.
19. All SC communications to the Borough / committee should go through Borough Manager Chris Bashore.

This report represents the Professional's summation of the proceedings and is not a transcript. Unless written notice of any correction or clarification is received by the Professional within ten days of issue, the report shall be considered factually correct and shall become part of the official project record.

Sincerely,
SIMONE COLLINS, INC.
LANDSCAPE ARCHITECTURE

A handwritten signature in black ink, appearing to read 'P. M. Simone', with a stylized, cursive script.

Peter M. Simone, RLA, FASLA
President



SIMONE COLLINS
LANDSCAPE ARCHITECTURE
119 EAST LAFAYETTE STREET NORRISTOWN, PA 19401
PHONE: 610.239.7601 FAX: 610.239.7606
W W W : S I M O N E C O L L I N S . C O M

MEETING NOTES

Project:	Randolph Woods Nature Preserve – Master Site Plan	Project No.:	19065
Location:	Malvern Borough Hall 1 East First Ave. Malvern PA 19355	Meeting Date/Time:	1.22.2020 7:00pm
Re:	Public Meeting #1	Issue Date:	1.29.20

ATTENDEES:

See Sign-in Sheet

GENERAL NOTES:

INTRODUCTION

- Marc Niemiec started the meeting with an introduction to the Randolph Woods Committee, and a general introduction to the Randolph Woods Nature Preserve Master Site Plan.
 - Marc N. stated that purpose and goal of this process is to create a master plan for Randolph Woods. The process began four years ago as a recommendation from borough resident Joe Bones, who is now a member of the committee. A report was prepared by this committee in 2017, and the Simone Collins consultant team has been hired to expand on this work.
- Marc N. asked each member of the committee to introduce themselves:
 - Joe Bones – member of Malvern Borough Council and Shade Tree Commission
 - Bryan Hamilton –focused on protecting and improving Randolph Woods
 - Brendan Phillips – member of Malvern Borough Council, parks and rec committee
 - Barbara Rutz – member of the Historical Commission – particularly interested in the old spring house
 - Helise Bichefsky-Reilly- member of the Parks and Recreation Committee and the Environmental Sustainability Council, interested in the health of the forest
 - Zoe Warner – member of the Planning Commission and Environmental Sustainability Committee – interested in the ecology of Randolph Woods
 - Andrew Kirkpatrick – Associate Director of Stewardship Willistown Trust

- Marc N. introduced Peter Simone and the Simone Collins team. Pete S. noted that when members of the public reach out to the SC team, it is important to copy all members of the team on all correspondence to ensure a timely response.
- The Simone Collins team includes forest Patrick Fasano of Comprehensive Land Services, as well Michael McGraw, wildlife biologist from Applied Ecological Services. The Applied Ecological Services contract must be approved by Malvern Borough Council in early February.
- Pete S. read the Randolph Woods Master Plan Vision Statement, as crafted by the committee:
 - “The Randolph Woods Nature Preserve aspires to be a vital part of Malvern’s park system, providing nature-based passive recreation and community activity, while promoting natural resource conservation, land stewardship, and related education.”
- Pete S. reviewed the project schedule and explained that at the next public meeting (March 25th, 2020) the SC team will present initial concepts. The draft plan will be presented at the May 6th, 2020 public meeting and the final plan will be presented at the final public meeting on June 24th, 2020.
- Pete S. explained that any proposed improvements in Randolph Woods will take time to implement, and that improvements are a long-term process.
- Sarah Leeper explained the project scope of work as well as the masterplan process.

NATURAL RESOURCE INVENTORY

- Willistown Conservation Trust Easement:
 - Sarah L. explained Willistown Conservation Trust Easement. The total project area is 43 acres, and the conservation easement area is 38 acres. She explained the permitted recreation and open space activities in the conservation easement:
 - “Those recreational and open space activities which can be carried out with little or no alteration or disruption to the natural features of the land on which they take place ("Passive Recreation"). Examples of such activities include walking, jogging, picnicking, birdwatching, horseback riding, overnight camping when organized by an educational organization, and nature study.”
 - “Activities serving to preserve, restore, enhance or maintain habitat areas for native flora and fauna.”
 - Permitted improvements are repairs to existing features: one access drive, utility poles and lines, one concrete pad, one gravel parking area
 - New facilities can include: fencing, gazebo or picnic shelter (400 SF), birdwatching platform, bridges, unpaved trails
- Sarah L. reviewed a historic timeline of the Randolph Woods Nature Preserve through historic aerials:
 - 1931: Pump house exists by this time, and much of the site is farmland / pasture.
 - 1958: Residential development begins around the perimeter of Randolph Woods. The evergreen forest in the center of the site is developing while the western portion of the site is predominantly open.
 - 1971: The evergreen forest in the center of the site continues to develop and while the northeastern forest continues to mature. The eastern portion of the site is still predominantly open at this time.

- 2017: The water tower is gone by this time and the majority of the site has tree coverage.
- Sarah L. reviewed the existing Randolph Woods site conditions through a photographic tour of the site:
 - Ruthland Ave: This is the main access to Randolph Woods. It is important to consider safe access to Randolph Woods. The Malvern Public Works Department is currently located on Ruthland Ave. at the entrance to Randolph Woods.
 - Headwaters: The headwaters feed Ruth Run, and in this area there are many phragmites and other invasive plants.
 - Entry drive and parking: This is the only parking area in Randolph Woods
 - Ruth Run: This stream runs through the middle of the site. Watercress is currently growing in stream - this is a sign of a good cold-water stream.
 - Pump house: The Simone Collins team will consider how to integrate and adaptively reuse this structure with proposed improvements.
 - Picnic area: This area includes younger trees that were planted 20 years ago
 - Site trailhead: This area includes important information & signage, as well as a pedestrian bridge near the parking area.
 - Duffryn Trail: This trail crosses the site from east to west and connects Randolph Woods to the adjacent neighborhoods in Willistown Township.
 - Site Trails: Comprised of single-track earthen trails. Some trails are water drainageways – the SC team will consider rerouting some of these trails so they are not as impacted by erosion. Pete S. noted that it is important to make as many trails ADA as possible (Americans with Disabilities Act).
 - Canopy gap / Invasive understory: There are gaps in the forest canopy where invasive plants have proliferated.
 - Eastern stream crossing: There is potential to reuse the old bridge abutment at this location.
- Sarah L. reviewed existing STRAVA data. STRAVA is a mobile application that is used by runners and cyclists to track their routes through GPS. STRAVA compiles ‘heat maps’ which indicate areas of high and low use by these user groups. The run/walk data suggests that the Duffryn Trail is an important connection between Malvern and Willistown. The cyclist data, while less concentrated than running/walking, suggests that the Duffryn Trail and the various site trails are used currently by cyclists.

BRAINSTORMING & DISCUSSION

- Pete S. led the public through a brainstorming activity to establish Goals, Facts, Concepts, and Partners as they relate to the Randolph Woods Nature Preserve. He explained that all ideas are accepted during brainstorming, noting that it is important that ideas and concepts benefit the largest group of people. Simone Collins will be transparent and scientific in recommendations. It is the Simone Collins team’s job to inform decision making for the Malvern Borough Council.

GOALS

- Create preserve master plan

- Protect and enhance natural resources
- Improve water quality
- Make Randolph Woods a night sky preserve
- Consider how preserve uses affect natural resources
- Preserve open space across Borough
- Get more kids to play in the woods
 - Pete S. noted that an important book to read is, "Last Child in the Woods" by Richard Louv. This book focusses on the importance of spending time in nature.

FACTS

- There are benches near the parking area / bridges currently
- The forest / canopy is not healthy and in decline
- Stream starts at King Street
- Malvern is walkable
- Existing car / bike conflicts in the Borough
- "Walk When the Moon is Full" program by Malvern Arts.
- There are deer on site
- Deer are not good or bad
- 'No Biking' signs have been installed
- Randolph Woods is a regional park
- Second bridge trail has steep slope
- Current parking confusing
- Springs on site
- Steep Topography
- Deer eating understory
- Past hunting on site
- 43 Acres
- Close to downtown Malvern
- Dogs must be leashed
- Existing Chester Valley Crum Creek cleanups
- Many people are moving to Malvern.
- Randolph Woods is a large open space and there are a lot of kids in the surrounding area
- Mountain bikers currently ride at Harmony Hill, Valley forge, White Clay.
- Entry to Randolph Woods by public works is not attractive
- Current trail locations are unclear
- Northern part of the Randolph Woods across First Avenue is unused
- Many invasives in forest

CONCEPTS

- Address stormwater runoff from parking area
- Make biking as safe as possible
- Avoid blanket 'no biking' policy

- Fix forest health
- Make Randolph Woods accessible to kids for running, biking, hiking, fishing.
- No longer dismiss mountain biking in Randolph Woods
- Celebrate water of Ruth Run
- Encourage borough-wide biking
- Educate the broader biking community
- Focus funding on 38 acres in easement
- Trails to have minimal ecological impact
- More trash cans
- Need better signage for walkers / bikers
- Walking trails
- Biking trails
- Trails bring communities together
- Biking is good for public health and the community
- Restrooms
- Pavilions with educational elements
- Section of the woods / trails just for biking
- Remove invasive
- More benches in general
- No lighting in Randolph Woods
- More benches at the two bridges
- Bat boxes
- Unpaved trail into park
- Community to help with trail maintenance
- Dog park
- Nighttime park activities
- Butterfly garden
- Wetland boardwalk
- Deer fence
 - Pete S. noted that deer are eating understory and that forest is not healthy as a result. Work must be done to stop deer from eating understory. he explained that Tyler Arboretum has a deer fence around the entire arboretum and the understory is doing well as a result.
- Perimeter loop trail to discourage encroachment by property owners
- Community garden
- Better quality trails
- More locations for dog waste pickup bags
- Stormwater management BMPs (best management practices)
- Safe entry to Randolph Woods (sidewalks / trails)
 - Pete S. noted that Malvern is dense and walkable, and sidewalk and pedestrian connections are important.
- Better defined parking (don't increase number of spaces)
- Extend road to bypass Public Works altogether

- Bridge side garden concept
- Dog on-leash policy
- Balance active and passive uses
- Fishing in Ruth Run
- Better use for unused area in north of site, potentially:
 - First Avenue Pump track
 - Play area / playground or sensory play for children with special needs (look at Jenkins Arboretum)
 - Skate park (look at existing park in Downingtown and West Goshen)
 - Nature center / nature area
 - Nature-based play area
- Improve Randolph Woods entry
 - An audience member noted that given limited funding, they would prefer beautification come later, and that the health of the forest should be primary.
- Water fountains for water bottle filling
- Integrate pump house for water bottle filling station
- Develop sprinkler or irrigation system for plants not doing well
- Trail markers for bikers and walkers
- Bird house / bluebird houses
- Use ADA laws to improve site access
- Fix steep trail currently in drainageway
- Better park surveillance

PARTNERS

- Great Valley Mountain Bike Club
- Willistown Conservation Trust
- Crum Creek Watershed Association
- Local Schools
- Malvern Arts
- Bluebird Society

GENERAL DISCUSSION

- A member of the audience from the Great Valley Mountain Bike Club (GVMTB) noted that people from the area love Randolph Woods, especially children. These woods are an important resource to be protected and cultivated. This audience member asked the SC team to consider the use of bikes in Randolph Woods and noted the benefits of partnering with bike organizations. Pete S. asked the audience member to submit her written statement to the Simone Collins team so that it may be reviewed thoughtfully.
- An audience member asked for Malvern Borough to reconsider the prohibition on mountain biking in Randolph Woods. Mountain bikers want to help support Malvern borough. This audience member noted mental health is important and biking and open space are important factors.

- The EPA has an expanded definition of passive recreation that includes biking
- A member of the audience noted that he learned to ride a bike in Randolph Woods. He noted that trails made in the past that have damaged trees and apologized for this. This member of the audience noted that the GVMTB wants to be good stewards for the trails in Randolph Woods and would be a good partner.
- Pete S. noted that it is important for communities to partner with the Malvern Borough to care for Randolph Woods.
- A member of the audience asked the Simone Collins team how to best engage school students. Pete S. and Sarah L. asked that meeting attendees help to spread the word and share the survey link.
- Marc N. asked the audience to think critically about watershed management and water quality. He noted that the stream starts at King Street and that a live spring is beneath the pump house.
- A member of the audience noted that the GVMTB will be stewards for trails in Randolph Woods
- An audience member asked how the Simone Collins team will gauge public sentiment. Pete S. explained that the public opinion survey will help gauge this, and that the public should attend future public meetings and speak to the committee members.
- Marc N. thanked all audience members for their thoughtful comments and attendance. He reiterated the importance of Randolph Woods as a special community resource.

NEXT STEPS

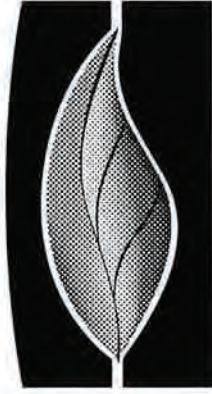
- The next public meeting will take place March 25th, 2020 at 7:00 p.m. at the Malvern Borough Hall (1 East First Ave. Malvern PA 19355)
- The Simone Collins team will return in March with concepts for forest management, trails, and ideas for the area near 1st Avenue.
- Pete S. asked that all interested members of the public complete the online public opinion survey. The survey will be active until May 1st, 2020 at is available online at :
<https://www.surveymonkey.com/r/randolphwoods>

This report represents the Professional's summation of the proceedings and is not a transcript. Unless written notice of any correction or clarification is received by the Professional within ten days of issue, the report shall be considered factually correct and shall become part of the official project record.

Sincerely,
SIMONE COLLINS, INC.
LANDSCAPE ARCHITECTURE



Joseph P. Wallace



SIMONE COLLINS
LANDSCAPE ARCHITECTURE
119 EAST LAFAYETTE STREET NORRISTOWN, PA 19401
PHONE: 610.239.7601 FAX: 610.239.7606
WWW.SIMONECOLLINS.COM

MEETING SIGN-IN SHEET

Project: **Randolph Woods Nature Preserve - Master Site Plan** Project **19065**

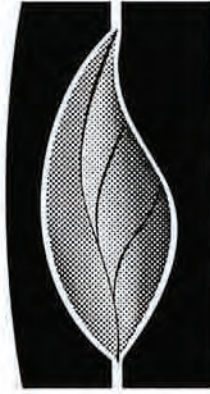
Location: **Malvern Borough Hall**
1 East First Ave. Malvern, Pa 19355

Date: **January 22nd, 2020**

Topic: **Public Meeting #1** Time: **7:00 p.m.**

Last Name	First Name	
Kaczmarek	Don	
Kirkpatrick	Andrew	Willistown Conservation Trust
Song	Samuel	
Song	Evelyn	
Kiely	Nate	
Kiely	Melissa	
Bowels	Joseph	
O'Neill	Colin	
O'Neill	Bob	
Georgakakis	Sen	
Baglini	Sid	
Gross	Enka	
Clancy	Shanne	
Clancy	Madelaine	
Georgakakis	Julia	

OVER



SIMONE COLLINS
LANDSCAPE ARCHITECTURE
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PHONE: 610.239.7601 FAX: 610.239.7606
WWW.SIMONECOLLINS.COM

MEETING SIGN-IN SHEET

Project:

Randolph Woods Nature Preserve - Master Site Plan

Project

19065

Location:

**Malvern Borough Hall
1 East First Ave. Malvern, Pa 19355**

Date:

January 22nd, 2020

Topic:

Public Meeting #1

Time:

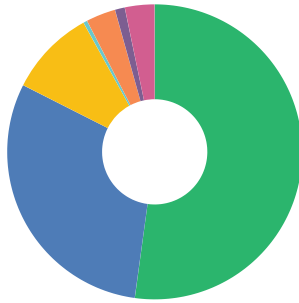
7:00 p.m.

Last Name	First Name
Leininger	Kurt
Georgopoulos	
Trickett	Mark, Jennifer, Melissa
Finkbner	Amy
Bussell	Bill
Dennis	Simon
Milburn	Conner
Walker Walker	Bea
Snyder	Evam
Snyder	Amanda
Scott	Luca
Low	Andy
Low	Suzanne
Low	Cameron

LAST NAME	FIRST NAME
Georgopoulos	Christopher
Dennis	Owen
Scott	Chris
Scott	Angel
"	Henry
"	Leah
Westrich	Cyndie

Q1 What is the name of the municipality you live in?

Answered: 462 Skipped: 3



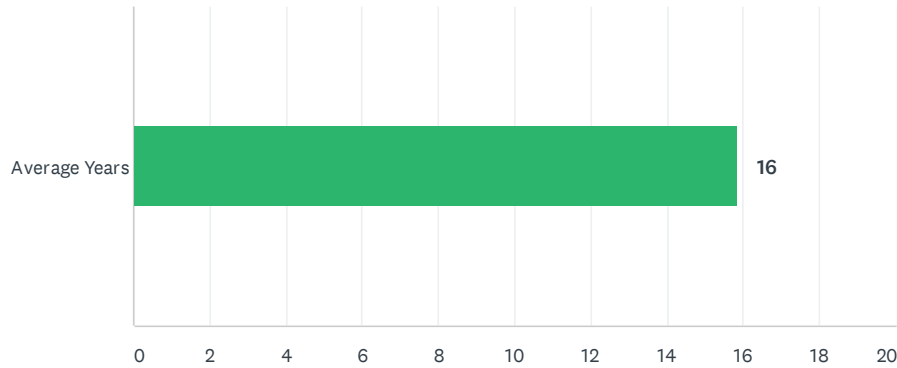
■ Malvern Borough
 ■ Willistown Township
 ■ East Whiteland Township
■ Easttown Township
 ■ Tredyffrin Township
 ■ East Goshen Township
■ Other (please specify):

ANSWER CHOICES	RESPONSES	
Malvern Borough	52%	241
Willistown Township	30%	140
East Whiteland Township	10%	44
Easttown Township	0%	2
Tredyffrin Township	3%	15
East Goshen Township	1%	5
Other (please specify):	3%	15
TOTAL		462

#	OTHER (PLEASE SPECIFY):	DATE
1	West Whiteland	5/24/2020 9:46 AM
2	Charlestown township	5/4/2020 10:56 AM
3	Charlestown	5/3/2020 8:45 AM
4	Uwchlan Township	5/2/2020 7:53 AM
5	Charlestown Township	5/1/2020 7:22 PM
6	Charlestown Township	4/29/2020 10:25 PM
7	East Bradford	4/28/2020 8:30 AM
8	East Fallowfield	4/26/2020 11:28 AM
9	Paoli	3/13/2020 12:44 PM
10	Charlestown	1/30/2020 11:42 AM
11	berwyn pa	1/30/2020 8:59 AM
12	Malvern/lower providence	1/30/2020 8:30 AM
13	Upper Uwchland	1/29/2020 1:32 PM
14	Charlestown Township	1/23/2020 3:09 PM
15	Charlestown township	1/23/2020 9:10 AM

Q2 How many years have you lived in your current municipality?

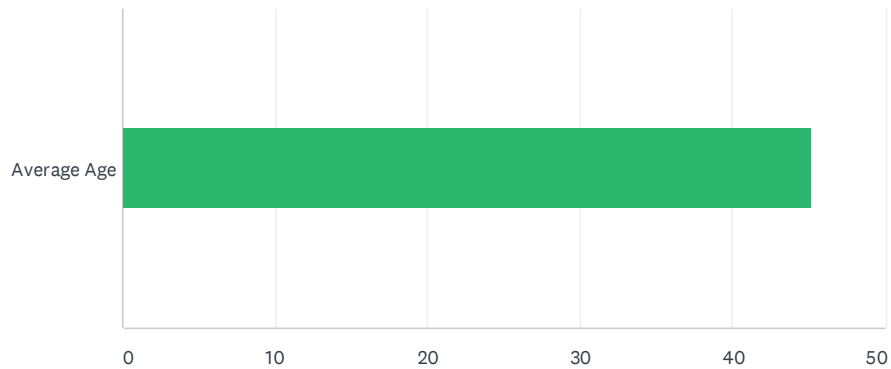
Answered: 464 Skipped: 1



	0-5	6-10	11-29	30+	TOTAL	WEIGHTED AVERAGE
Average Years	23.06%	15.95%	43.97%	17.03%	464	15.87
	107	74	204	79		

Q3 What is your age?

Answered: 463 Skipped: 2

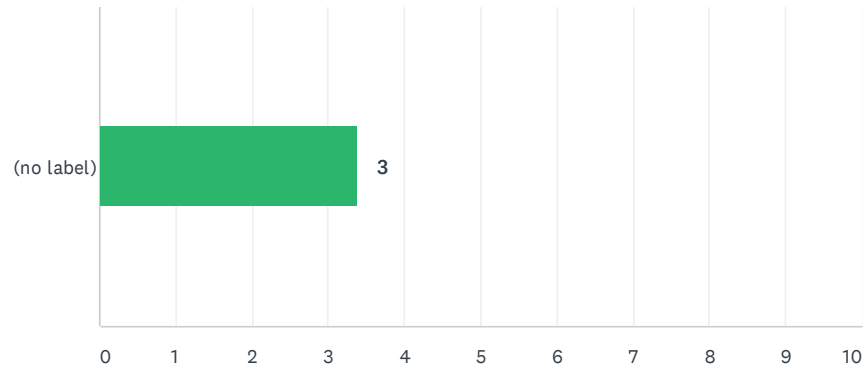


	>12	13-18	19-24	25-44	45-65	65+	TOTAL	WEIGHTED AVERAGE
Average Age	0.22%	4.10%	1.08%	36.72%	45.36%	12.53%	463	45.19
	1	19	5	170	210	58		

Q4 How many people currently live in your household?

Answered: 463 Skipped: 2

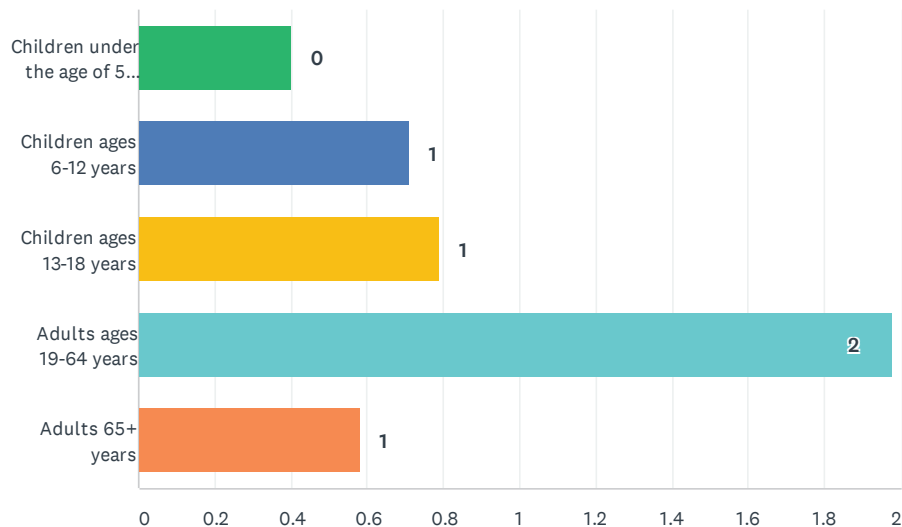
Randolph Woods Nature Preserve Public Opinion Survey



	1	2	3	4	5	6+	TOTAL	WEIGHTED AVERAGE
(no label)	7.56%	25.92%	13.61%	31.10%	16.85%	4.97%	463	3.39
	35	120	63	144	78	23		

Q5 Please indicate how many people of each age group currently live in your household?

Answered: 460 Skipped: 5

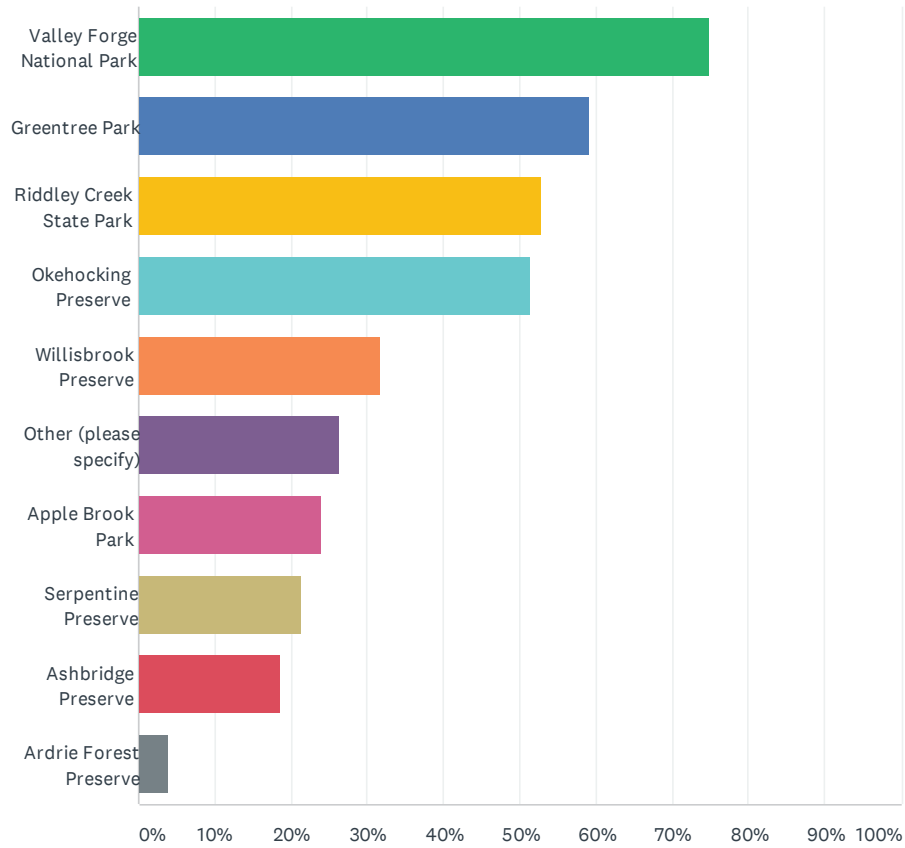


	1	2	3	4+	NA	TOTAL	WEIGHTED AVERAGE
Children under the age of 5 years	15.22%	6.23%	2.77%	1.04%	74.74%	289	0.40
	44	18	8	3	216		
Children ages 6-12 years	32.39%	16.98%	1.57%	0.00%	49.06%	318	0.71
	103	54	5	0	156		
Children ages 13-18 years	34.56%	16.44%	2.35%	1.01%	45.64%	298	0.79
	103	49	7	3	136		
Adults ages 19-64 years	13.18%	62.82%	11.06%	6.59%	6.35%	425	1.98
	56	267	47	28	27		
Adults 65+ years	17.75%	18.61%	0.43%	0.43%	62.77%	231	0.58
	41	43	1	1	145		

Q6 In the past 12 months have you or a member of your household visited any of the following regional preserves or parks? (Check all that apply.)

Answered: 348 Skipped: 117

Randolph Woods Nature Preserve Public Opinion Survey



ANSWER CHOICES	RESPONSES	
Valley Forge National Park	75.00%	261
Greentree Park	59.20%	206
Riddley Creek State Park	52.87%	184
Okehocking Preserve	51.44%	179
Willisbrook Preserve	31.90%	111
Other (please specify)	26.44%	92
Apple Brook Park	24.14%	84
Serpentine Preserve	21.26%	74
Ashbridge Preserve	18.68%	65
Ardrie Forest Preserve	4.02%	14
Total Respondents: 348		

Randolph Woods Nature Preserve Public Opinion Survey

#	OTHER (PLEASE SPECIFY)	DATE
1	East Goshen Park	6/15/2020 9:10 PM
2	Cool Valley Sharp's Woods Stroud Kirkwood Cedar Hollow Rubino Park	5/25/2020 5:56 PM
3	Several (Cromby trailhead, Chester County Trail,Fairmount Park, Wissahickon Valley Park and others)	5/23/2020 11:30 PM
4	Fox Hollow, Randolph Woods	5/23/2020 10:56 PM
5	East Goshen, Paoli battlefield	5/23/2020 12:21 PM
6	Several Natural Lands	5/23/2020 12:20 PM
7	Wissahickon.	5/15/2020 12:33 AM
8	Pump track	5/15/2020 12:01 AM
9	ChesterGnar in chesterbrook	5/14/2020 11:12 PM
10	Valley forge	5/14/2020 10:27 PM
11	Evansburg State Park	5/12/2020 11:54 AM
12	Stroud preserve, chester valley trail, cheslyn preserve	5/9/2020 12:33 PM
13	Randolph Park	5/6/2020 9:50 PM
14	Marsh Creek	5/5/2020 12:04 AM
15	Kirkwood perserve, Rushton Perserve	5/4/2020 12:10 PM
16	Rushton Woods Paoli Battlefield East Goshen Park Wilson Farm Park Brightside Park	5/3/2020 8:20 AM
17	Marsh Creek, Harmony Hill, Wissahickon	5/3/2020 8:16 AM
18	East Goshen Park Wilson Farm Park	5/1/2020 4:15 PM
19	French Creek State Park, Kenilworth Park, Boyertown Park, Lloyd Roland Park	5/1/2020 9:00 AM
20	Wilson Farm Park, Rushton Woods, East Goshen Twp Park, Monument Park, Fox Hollow Trail, and many more.	5/1/2020 12:44 AM
21	Bryn Coed Pinky Lee Kirkwood Preserve	4/30/2020 11:54 PM
22	Randolf woods Marsh creek French creek Wissahickon park	4/30/2020 8:23 PM
23	Randolph, Teegarden, other states	4/30/2020 7:56 PM
24	Randolph Woods	4/30/2020 7:36 PM
25	Valley Creek Park CVT Schuylkill trail Monument trail	4/30/2020 6:09 PM
26	Marsh Creek Hibernia County Park	4/30/2020 5:09 PM
27	Rushton Woods Kirkwood Preserve Brightside Farm Park Paoli Battlefield/Monument Park Randolph Woods Bryn Coed Binky Lee Valley Creek Park	4/30/2020 2:20 PM
28	Stroud Preserve, ChesLen Preserve	4/30/2020 12:55 PM
29	brandywine conservancy, gordon's pond state park, tower beach, trapp pond	4/30/2020 10:51 AM
30	Lorimer Preserve	4/30/2020 10:32 AM
31	Skunk Hollow by the Willows	4/29/2020 7:39 PM
32	Cedar Hollow	4/29/2020 10:21 AM
33	Pickering Creek	4/28/2020 6:36 PM
34	Marsh Creek, White Clay, Randolph Woods!	4/28/2020 1:28 PM
35	Okehocking	4/28/2020 9:48 AM
36	Stroud Preserve	4/28/2020 8:34 AM
37	Rushton, Randolph, Cheslyn	4/27/2020 1:18 PM
38	Harmony Hill, Marsh Creek, Wissahickon	4/27/2020 9:40 AM
39	B	4/27/2020 6:25 AM
40	Paoli Battlefield, Marsh Creek State Park	4/27/2020 4:29 AM
41	east goshen park west goshen park	4/27/2020 12:09 AM

Randolph Woods Nature Preserve Public Opinion Survey

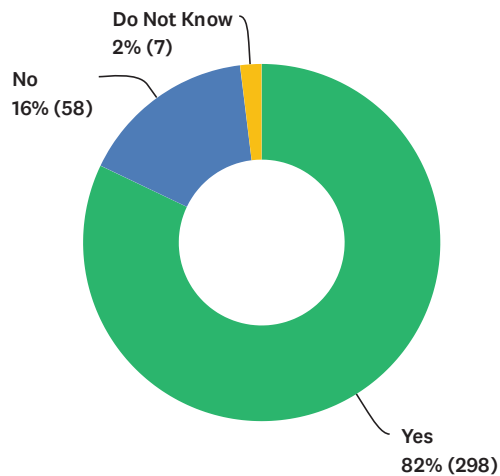
42	Stroud Preserve, Bryn Coed, Binky Lee, Ches Len,	4/26/2020 8:44 PM
43	East Goshen Paoli Battlefield	4/26/2020 8:40 PM
44	East Goshen Paoli battlefield	4/26/2020 7:16 PM
45	East Goshen Park	4/26/2020 7:03 PM
46	Stroud Preserve	4/26/2020 6:44 PM
47	E Goshen Park, Lorimer Preserve	4/26/2020 5:30 PM
48	Randolph woods!	4/26/2020 4:21 PM
49	Lorimer Preserve, cedar hollow preserve and cool valley preserve	4/26/2020 1:43 PM
50	Paoli memorial park , East Goshen Park	4/26/2020 1:15 PM
51	East Goshen Park	4/26/2020 12:46 PM
52	Randomly woods	4/26/2020 12:20 PM
53	Malvern Borough Park	4/26/2020 12:09 PM
54	Harmony hill nature area Marsh creek state park	4/26/2020 11:57 AM
55	East Fallowfield Township Park	4/26/2020 11:35 AM
56	Other Willistown Conservation Trust Properties, including Kirkwood and Ruston Woods. Natural Lands Trust preserves, including Stroud and Sadsbury Preserves. Hibernia County Park. Other state parks, particularly Marsh Creek State Park and French Creek State Park. In general, we visit at least one park per week and walk/hike even more often during Covid-19.	4/26/2020 11:21 AM
57	Valley Creek Park	4/26/2020 11:08 AM
58	Goshen, Burke	3/23/2020 4:57 PM
59	Fox Hollow Trail	3/16/2020 2:32 PM
60	Marsh Creek STruble Trail Binkey Lee Preserve Bryn Coed Preserve	3/3/2020 1:58 PM
61	Kirkwood Preserve	2/8/2020 5:38 PM
62	Cheslen,	2/8/2020 5:31 PM
63	Battle of the Clouds Valley Creek	2/8/2020 9:24 AM
64	Marsh Creek French Creek	2/7/2020 8:28 PM
65	Rushton preserve Randolph woods is in our neighborhood and we frequently take walks there	2/7/2020 7:06 PM
66	Chester Valley Trail, Battle of the Clouds Park, Valley Creek Park	2/7/2020 2:53 PM
67	randolph woods	2/5/2020 5:12 PM
68	Radnor Trail; Haverford College Trail, Chester Valley Trail, Longwood Gardens, Malvern retreat	2/1/2020 2:44 PM
69	Paoli Battlefield Park	2/1/2020 9:07 AM
70	Rushton Preserve Kirkwood Preserve	1/31/2020 7:07 PM
71	East Goshen Park	1/31/2020 1:00 PM
72	Fox Hollow Trail (Willistown) Binky Lee Preserve Chester County Trail Paoli Battlefield Robert Lambert Park East Goshen Park	1/31/2020 10:49 AM
73	East Goshen Park Wilson Farm Park	1/30/2020 11:26 PM
74	East goshen	1/30/2020 8:14 PM
75	Monument park	1/30/2020 7:32 PM
76	Harmony Hill on Skelp Level Road	1/30/2020 12:30 PM
77	Any and all green spaces within walking distance of Malvern Borough!	1/30/2020 11:32 AM
78	Cedar hollow preserve, valley creek Park, Lorimer preserve, paoli battlefield trails,.....	1/30/2020 11:29 AM
79	The Willows in Radnor Township.	1/30/2020 9:01 AM
80	east goshen wilson farm	1/30/2020 8:00 AM
81	We hunt in Sproul State forest	1/30/2020 7:35 AM
82	Rothrock State Forest	1/30/2020 7:32 AM

Randolph Woods Nature Preserve Public Opinion Survey

83	Serpentine Preserve Monument Park	1/30/2020 7:05 AM
84	All the preserves listed in the Library summer treasure hunt for kids.	1/30/2020 6:36 AM
85	Wilson Farm Park	1/29/2020 7:56 PM
86	East Goshen, West Goshen Dog park	1/29/2020 5:41 PM
87	Paoli Battlefield	1/29/2020 2:45 PM
88	East Goshen Township Park	1/29/2020 1:36 PM
89	Fox Hollow Trail (Willistown)	1/23/2020 9:18 AM
90	Paoli Battlefield	1/23/2020 8:38 AM
91	Forbidden Drive Brandywine	1/22/2020 10:19 PM
92	Harmony hill DOWNINGTOWN, we are frequent visitors of all area parks	1/22/2020 9:22 PM

Q7 In the past 12 months, has any member of your household visited Randolph Woods Nature Preserve?

Answered: 363 Skipped: 102

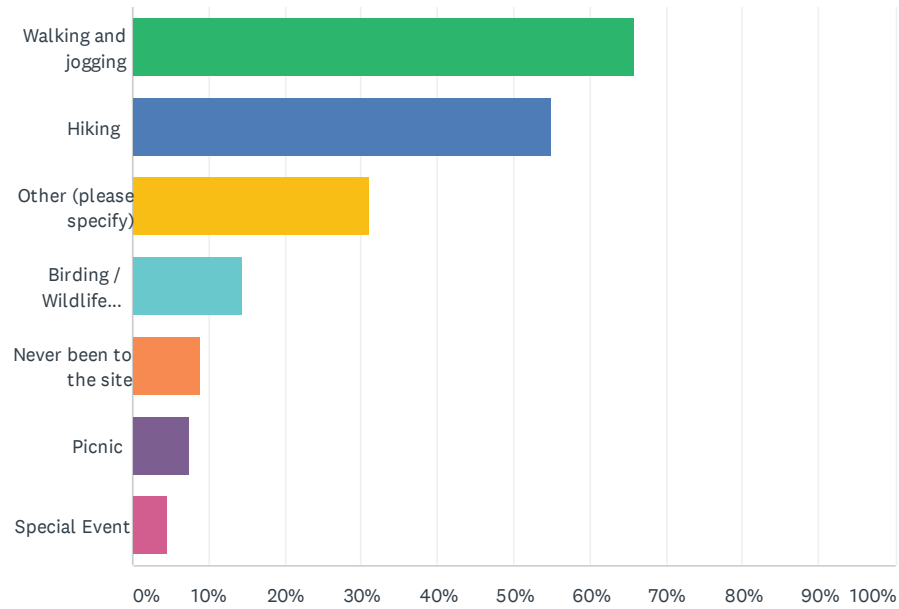


ANSWER CHOICES	RESPONSES	
Yes	82%	298
No	16%	58
Do Not Know	2%	7
TOTAL		363

Q8 Please select the primary activities you and members of your household participated in at Randolph Woods Nature Preserve? (Check all that apply.)

Answered: 355 Skipped: 110

Randolph Woods Nature Preserve Public Opinion Survey



ANSWER CHOICES	RESPONSES	
Walking and jogging	65.92%	234
Hiking	54.93%	195
Other (please specify)	31.27%	111
Birding / Wildlife Studies	14.37%	51
Never been to the site	9.01%	32
Picnic	7.61%	27
Special Event	4.51%	16
Total Respondents: 355		

Randolph Woods Nature Preserve Public Opinion Survey

#	OTHER (PLEASE SPECIFY)	DATE
1	I walk my dog thru Randolph woods and my two kids ride there bikes there as well, or at least did.	6/2/2020 9:54 AM
2	Biking	5/25/2020 8:42 PM
3	I'd like to visit ASAP	5/25/2020 5:56 PM
4	Biking	5/24/2020 9:51 AM
5	Biking	5/24/2020 4:11 AM
6	Biking	5/23/2020 10:56 PM
7	Biking	5/23/2020 10:46 PM
8	Biking	5/23/2020 12:03 PM
9	Biking and building dirt jumps	5/19/2020 10:42 PM
10	Biking	5/19/2020 10:07 AM
11	Biking	5/15/2020 12:33 AM
12	Pump track	5/15/2020 12:01 AM
13	Biking	5/14/2020 11:12 PM
14	Biking	5/14/2020 10:27 PM
15	Riding my bike	5/14/2020 9:59 PM
16	Earth day clean up	5/13/2020 11:54 AM
17	Go Wilma	5/11/2020 1:33 PM
18	biking	5/9/2020 8:20 PM
19	biking	5/9/2020 6:55 PM
20	Biking	5/9/2020 11:34 AM
21	Biking	5/9/2020 11:04 AM
22	Biking	5/6/2020 5:02 PM
23	To visit the creek specifically	5/5/2020 12:04 AM
24	biking Biking	5/3/2020 8:20 AM
25	biking Biking	5/3/2020 8:16 AM
26	.	5/2/2020 10:44 AM
27	biking Mountain Biking	5/2/2020 7:55 AM
28	biking Mountain biking	5/1/2020 8:54 PM
29	Walking my dog	5/1/2020 4:15 PM
30	biking Biking	5/1/2020 11:45 AM
31	Brought a personal disc golf basket to play frisbee golf	5/1/2020 9:00 AM
32	We play Pooh Sticks on the bridge located away from the parking lot. We also do creek walks and catch fireflies in the field between the parking lot and the bridge. We have used the trail to walk home safely from Greentree Park as well.	5/1/2020 12:44 AM
33	biking Biking	4/30/2020 9:30 PM
34	Dog walking	4/30/2020 8:23 PM
35	Walking my dog	4/30/2020 7:36 PM
36	Go Wilma	4/30/2020 7:32 PM
37	biking Biking	4/30/2020 6:09 PM
38	biking Biking Dog Walking and Training	4/30/2020 5:09 PM
39	biking Walk and/or bike through to get to Borough away from traffic on King Road	4/30/2020 2:20 PM
40	biking Biking	4/30/2020 10:32 AM
41	biking Biking for our Grandchildren when they visit who also live in Willistown	4/30/2020 9:27 AM

Randolph Woods Nature Preserve Public Opinion Survey

42	biking Biking	4/29/2020 8:50 PM
43	Took Cub Scout den when the kids were little.	4/29/2020 8:27 PM
44	biking Bike riding	4/29/2020 7:52 PM
45	biking Biking	4/29/2020 7:39 PM
46	biking Dog walking, mountain biking	4/29/2020 7:08 PM
47	biking Biking	4/29/2020 1:50 PM
48	biking biking	4/29/2020 10:21 AM
49	biking Biking	4/29/2020 6:46 AM
50	Running	4/28/2020 3:28 PM
51	biking Riding bikes	4/28/2020 1:28 PM
52	biking Bicycling down the main trail, picking up trash (which is now limited thanks to recent trash pickup events).	4/28/2020 9:48 AM
53	biking Mountain Biking	4/27/2020 9:40 AM
54	Hiking	4/27/2020 1:50 AM
55	Exploring the stream, frisbee, scooters/biking. We are there a few times a week!	4/26/2020 4:21 PM
56	Ok	4/26/2020 4:10 PM
57	biking on rare occasion I used to mountain bike here	4/26/2020 2:26 PM
58	Walking dog	4/26/2020 1:43 PM
59	biking Biking	4/26/2020 1:35 PM
60	biking Biking	4/26/2020 12:24 PM
61	biking Biking	4/26/2020 12:20 PM
62	Just to look around	4/26/2020 12:09 PM
63	biking Biking Go Wilma	4/26/2020 11:57 AM
64	biking Biking	4/26/2020 11:51 AM
65	biking Mountain Biking	4/26/2020 11:50 AM
66	biking Biking	4/26/2020 11:41 AM
67	biking Biking	4/26/2020 11:34 AM
68	biking Mountain Biking	4/26/2020 11:32 AM
69	Dog walking	4/21/2020 11:30 PM
70	hiking with dog	3/16/2020 10:30 AM
71	biking Biking	3/3/2020 1:58 PM
72	Malvern Prep CARES walk	2/10/2020 8:01 AM
73	Letting dogs run free	2/8/2020 10:58 PM
74	biking Biking	2/8/2020 10:20 AM
75	biking Mountain biking	2/8/2020 9:24 AM
76	It is my sanctuary - I love walking through these woods.	2/8/2020 9:12 AM
77	I held a Girl Scout Meeting there. The girls earned their ecofriend badge.	2/8/2020 9:02 AM
78	biking Biking	2/7/2020 9:41 PM
79	Shoes and socks off, play in the stream	2/7/2020 8:28 PM
80	Na	2/7/2020 7:19 PM
81	I've been there once running across borough and green tree park	2/7/2020 3:36 PM
82	Nature	2/7/2020 12:12 PM
83	Biking	2/5/2020 5:12 PM
84	My Kids want to go fishing there but not sure if there's a spot	2/2/2020 11:00 AM

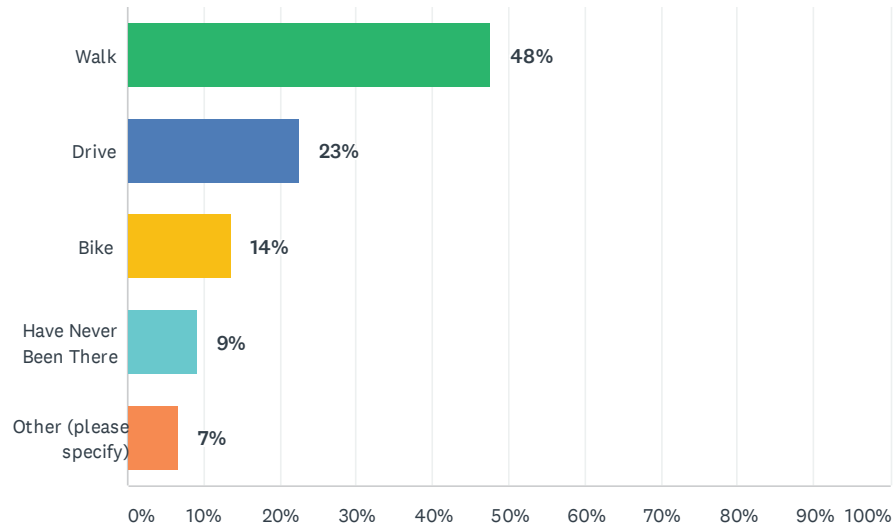
Randolph Woods Nature Preserve Public Opinion Survey

85	Walking the dog	2/1/2020 8:19 AM
86	biking Mountain Bike	1/31/2020 10:59 PM
87	Taking photographs for the Historical Commission's Facebook page.	1/31/2020 1:30 PM
88	biking Bicycling	1/31/2020 12:31 PM
89	Many years ago	1/30/2020 2:40 PM
90	Walking my dog	1/30/2020 2:10 PM
91	biking Also Mountain biking	1/30/2020 12:59 PM
92	Walk our dog	1/30/2020 11:32 AM
93	Walking dogs	1/30/2020 11:29 AM
94	biking Mountain Bike	1/30/2020 10:24 AM
95	biking biking	1/30/2020 9:30 AM
96	Dog walking. Walk on Duffryn trail to travel between Willistown and Malvern.	1/30/2020 9:01 AM
97	I have wanted to explore this park but would have to drive and hesitated to park my car on this residential street. When I have driven by there are never any cars parked near the trail.	1/30/2020 8:50 AM
98	I did not visit in the past 12 mo but I had been a visitor the previous 12 mo. And I used to walk my dog up there	1/30/2020 8:04 AM
99	goofing around with kids	1/30/2020 8:00 AM
100	Was not aware that we had access to Randolph woods.	1/30/2020 7:35 AM
101	Walking the dog	1/30/2020 7:33 AM
102	Looking for crawfish in the creek	1/30/2020 7:05 AM
103	Frequent walking from Paoli to Malvern to avoid walking alongside king st without sidewalk	1/29/2020 8:21 PM
104	Dog walking	1/29/2020 7:22 PM
105	Go wilma	1/29/2020 2:45 PM
106	biking BIKING	1/23/2020 12:34 PM
107	Work	1/23/2020 9:18 AM
108	biking Biking	1/23/2020 9:04 AM
109	biking Bicycling into the parking lot, and down the dirt trail to the bridge over the creek.	1/23/2020 8:38 AM
110	biking Biking, go wilma	1/22/2020 9:22 PM
111	biking Biking	1/22/2020 9:11 PM

Q9 When visiting Randolph Woods Nature Preserve how do you get there?

Answered: 358 Skipped: 107

Randolph Woods Nature Preserve Public Opinion Survey



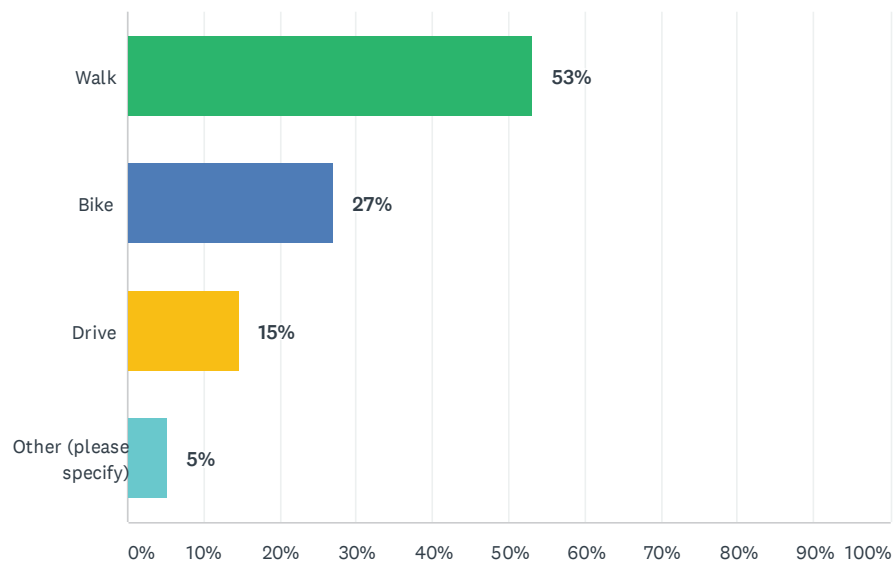
ANSWER CHOICES	RESPONSES	
Walk	48%	171
Drive	23%	81
Bike	14%	49
Have Never Been There	9%	33
Other (please specify)	7%	24
TOTAL		358

Randolph Woods Nature Preserve Public Opinion Survey

#	OTHER (PLEASE SPECIFY)	DATE
1	I walk and I bike there	6/2/2020 9:54 AM
2	Run	5/23/2020 12:21 PM
3	Walk and Bike.. not one or the other	5/23/2020 12:20 PM
4	Walk, drive, bike	5/23/2020 12:03 PM
5	Pump track	5/15/2020 12:01 AM
6	Both walking and biking	5/3/2020 8:20 AM
7	We walk or drive depending on our starting point.	5/1/2020 12:44 AM
8	Walk and/or bike	4/30/2020 2:20 PM
9	Walk, bike and drive depending on the day	4/29/2020 7:52 PM
10	Run	4/28/2020 3:28 PM
11	walk or bike	4/28/2020 2:05 PM
12	walk from work location	4/27/2020 9:52 AM
13	Bike or drive	4/26/2020 12:24 PM
14	drive	3/3/2020 1:58 PM
15	Walked from Malvern Prep	2/10/2020 8:01 AM
16	There is no nice path to this nature preserve - can we link the Patriot Path? If not why not?	2/9/2020 7:16 PM
17	Drive to a friends house and then bike	2/8/2020 9:24 AM
18	Running	2/7/2020 3:36 PM
19	walk,bike	2/2/2020 11:00 AM
20	Sometimes walk, sometimes drive	2/1/2020 8:19 AM
21	Walk or drive	1/31/2020 11:29 AM
22	Or walk from greentree	1/30/2020 12:59 PM
23	Walk or bike	1/29/2020 8:54 PM
24	Bike or drive	1/22/2020 9:11 PM

Q10 How would you prefer to travel to Randolph Woods Nature Preserve?

Answered: 362 Skipped: 103



Randolph Woods Nature Preserve Public Opinion Survey

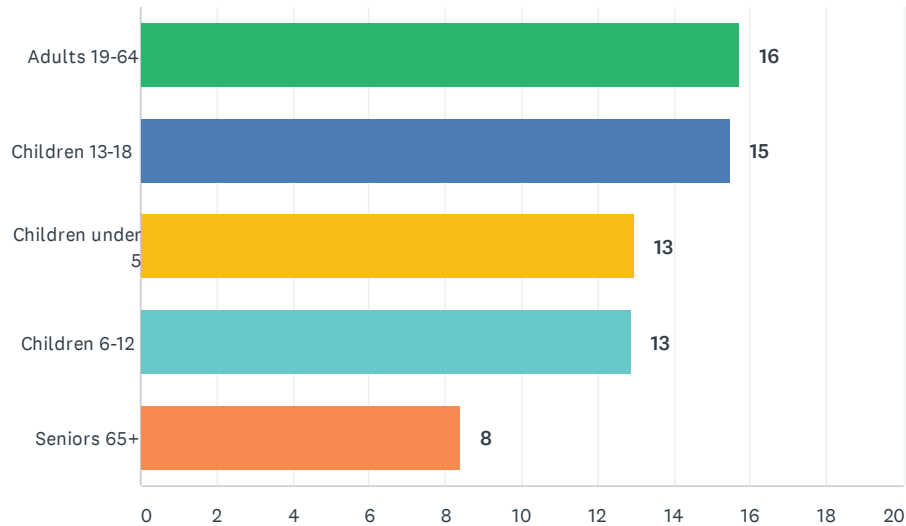
ANSWER CHOICES	RESPONSES
Walk	53% 192
Bike	27% 98
Drive	15% 53
Other (please specify)	5% 19
TOTAL	362

#	OTHER (PLEASE SPECIFY)	DATE
1	Walk and bike	6/2/2020 9:54 AM
2	Walk or bike	5/24/2020 12:25 AM
3	Run	5/23/2020 12:21 PM
4	Walk and bike.. not one or the other	5/23/2020 12:20 PM
5	Pump track	5/15/2020 12:01 AM
6	I would love for my children to bike safely through the woods to the borrow. The j my other optio. Is to bike on king street or Paoli pike Which are not safe options.	5/9/2020 11:34 AM
7	Both walking and biking	5/3/2020 8:20 AM
8	Walk and/or bike	4/30/2020 2:20 PM
9	Run, bike or walk	4/28/2020 3:28 PM
10	walk or bike	4/28/2020 2:05 PM
11	Leave it as is	4/26/2020 12:51 PM
12	Would prefer to bike, but there are no sidewalks or bike lanes	2/10/2020 8:01 AM
13	Walk and Bike - not drive.	2/9/2020 7:16 PM
14	Sometimes walk, sometimes drive	2/1/2020 8:19 AM
15	Walk if there is access from Paoli Pike	1/31/2020 6:45 PM
16	Used to walk when I lived on Crumley	1/30/2020 11:29 AM
17	walk	1/30/2020 8:00 AM
18	Walk	1/30/2020 6:44 AM
19	Walk or bike	1/29/2020 8:54 PM

Q11 Thinking about members of your household who are in the age groups below, How many trips in total have the members of your household made to Randolph Woods Nature Preserve in the past 12 months? Note, If you and your 10 year old son visited that is one check in Adults 19-64 row and a second check in Children 6-12 row.

Answered: 355 Skipped: 110

Randolph Woods Nature Preserve Public Opinion Survey

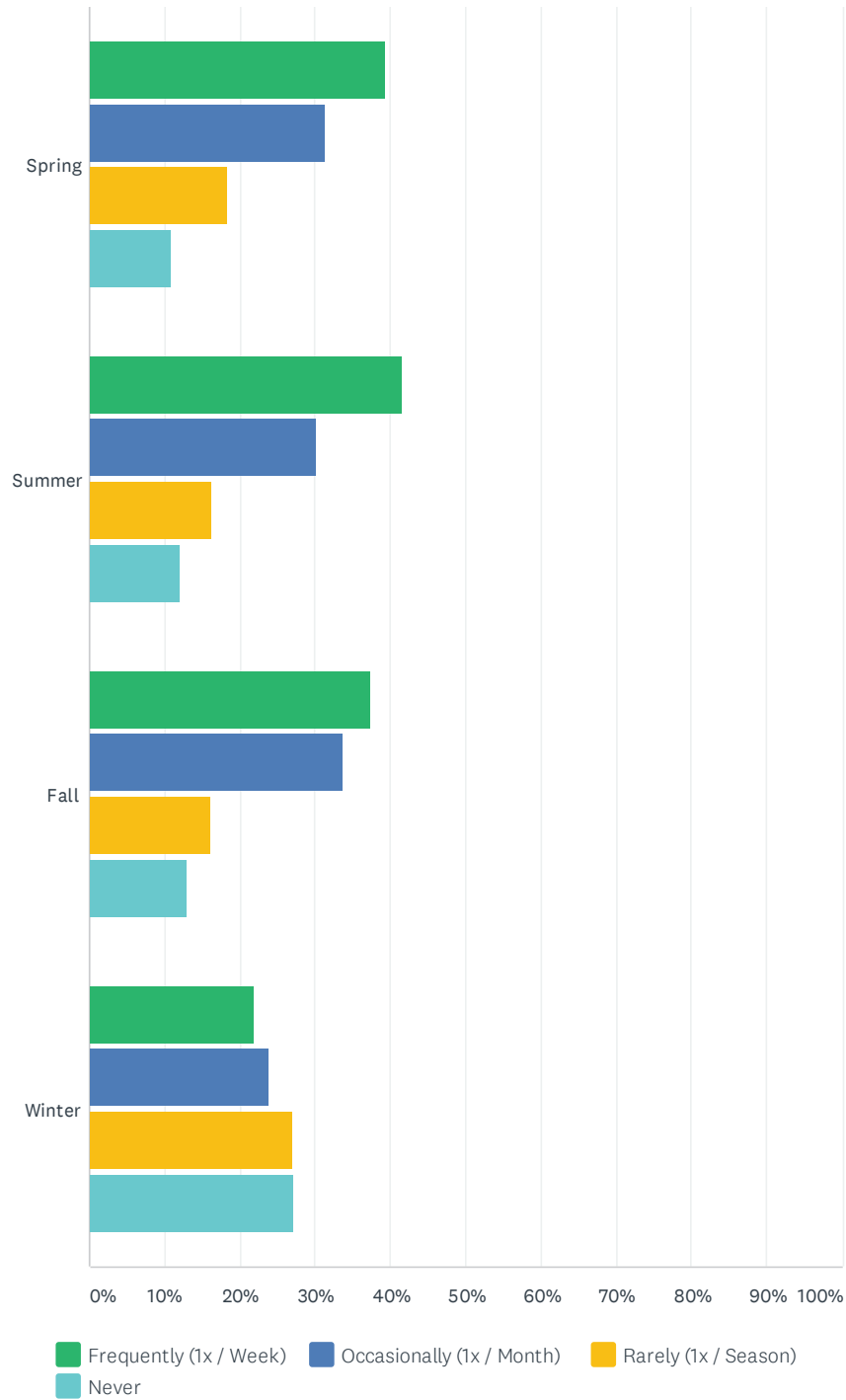


	REGULARLY 24 OR MORE	BI-MONTHLY 13-24	MONTHLY 4-12	SEASONALLY 1-4	NEVER	TOTAL	WEIGHTED AVERAGE
Adults 19-64	23.89% 75	10.51% 33	20.06% 63	29.94% 94	15.61% 49	314	15.73
Children 13-18	15.43% 29	9.57% 18	15.43% 29	19.68% 37	39.89% 75	188	15.49
Children under 5	7.09% 10	2.84% 4	6.38% 9	14.89% 21	68.79% 97	141	12.95
Children 6-12	11.73% 21	8.38% 15	17.32% 31	24.02% 43	38.55% 69	179	12.88
Seniors 65+	4.20% 6	2.10% 3	8.39% 12	22.38% 32	62.94% 90	143	8.40

Q12 How often and during what seasons do you visit Randolph Woods Nature Preserve?

Answered: 358 Skipped: 107

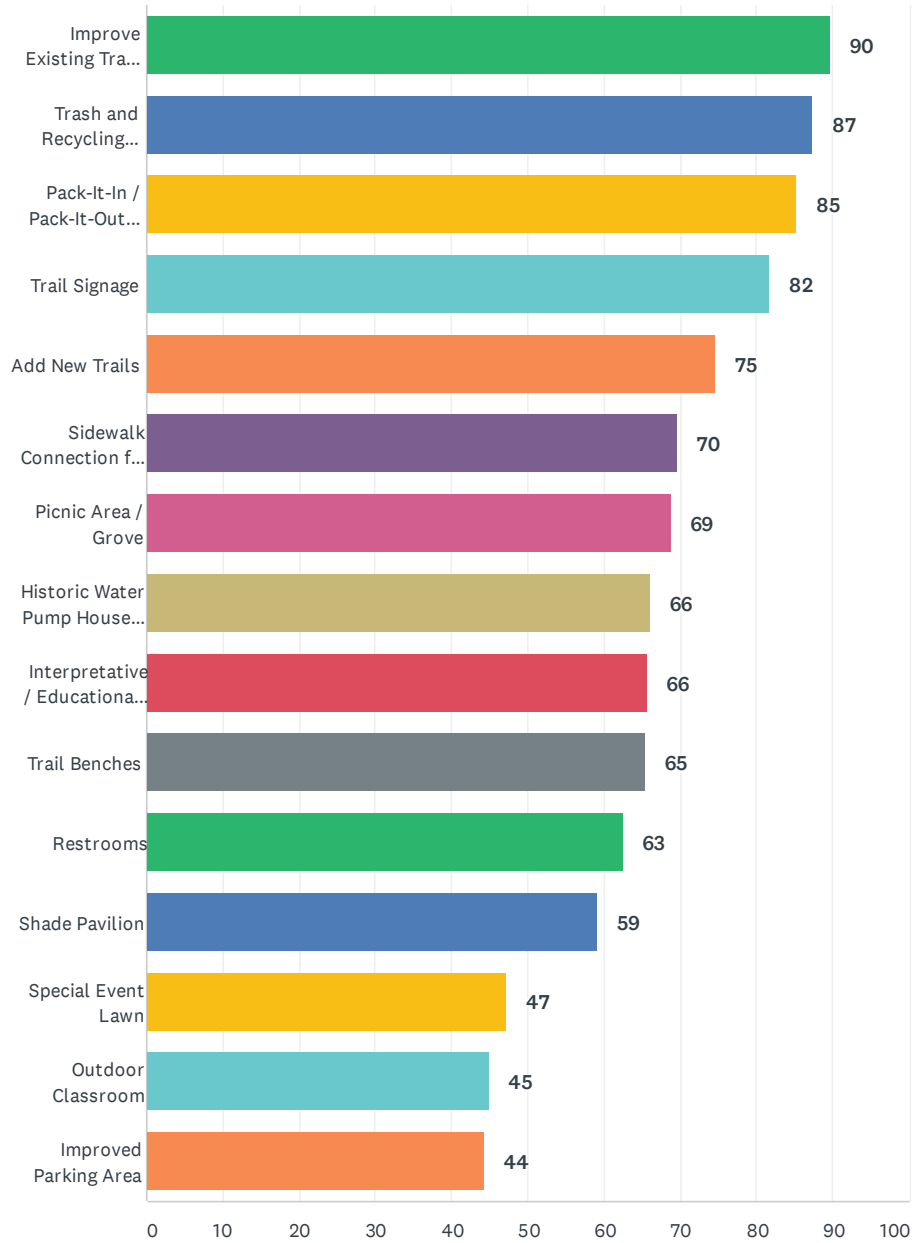
Randolph Woods Nature Preserve Public Opinion Survey



	FREQUENTLY (1X / WEEK)	OCCASIONALLY (1X / MONTH)	RARELY (1X / SEASON)	NEVER	TOTAL	WEIGHTED AVERAGE
Spring	39.37% 137	31.32% 109	18.39% 64	10.92% 38	348	6.24
Summer	41.55% 145	30.09% 105	16.33% 57	12.03% 42	349	6.47
Fall	37.36% 130	33.62% 117	16.09% 56	12.93% 45	348	6.03
Winter	21.94% 70	23.82% 76	26.96% 86	27.27% 87	319	3.84

Q13 Specifically regarding the master plan for Randolph Woods Nature Preserve, which new or additional facilities and activities do you think should be considered?

Answered: 360 Skipped: 105



Randolph Woods Nature Preserve Public Opinion Survey

	YES	NO	DON'T KNOW	TOTAL	WEIGHTED AVERAGE
Improve Existing Trails / Footbridges	83.33% 280	9.52% 32	7.14% 24	336	89.74
Trash and Recycling Receptacles	81.04% 265	11.62% 38	7.34% 24	327	87.46
Pack-It-In / Pack-It-Out Policy	60.98% 186	10.49% 32	28.52% 87	305	85.32
Trail Signage	73.86% 243	16.41% 54	9.73% 32	329	81.82
Add New Trails	63.78% 206	21.67% 70	14.55% 47	323	74.64
Sidewalk Connection from King Street	61.54% 200	26.77% 87	11.69% 38	325	69.69
Picnic Area / Grove	56.17% 173	25.32% 78	18.51% 57	308	68.92
Historic Water Pump House Interpretation	47.84% 144	24.58% 74	27.57% 83	301	66.06
Interpretative / Educational Signage	51.96% 159	27.12% 83	20.92% 64	306	65.70
Trail Benches	56.69% 178	29.94% 94	13.38% 42	314	65.44
Restrooms	51.78% 160	31.07% 96	17.15% 53	309	62.50
Shade Pavilion	48.50% 146	33.55% 101	17.94% 54	301	59.11
Special Event Lawn	36.15% 107	40.20% 119	23.65% 70	296	47.35
Outdoor Classroom	31.65% 94	38.72% 115	29.63% 88	297	44.98
Improved Parking Area	33.55% 103	42.02% 129	24.43% 75	307	44.40

Randolph Woods Nature Preserve Public Opinion Survey

#	OTHER (PLEASE SPECIFY)	DATE
1	Biking	5/25/2020 8:42 PM
2	Biking	5/24/2020 8:37 AM
3	Allow bikes	5/24/2020 8:28 AM
4	Allow biking	5/24/2020 6:19 AM
5	Biking (for Children especially). With increased traffic on area, children need trails to ride more than ever.	5/23/2020 10:56 PM
6	Bike pump track	5/23/2020 10:46 PM
7	Simple improvements like widening the trails and consistent grooming brush would be nice.	5/23/2020 12:21 PM
8	Bike trails	5/23/2020 12:20 PM
9	bmx/mtb jumps and trails	5/19/2020 10:42 PM
10	Keep the mountain bike jumps as they are good for bringing all the kids In Chesterbrook together. These jumps are not harming anyone in the surrounding areas and they are building great friendships and are helping fuel the future of mountain biking	5/19/2020 10:07 AM
11	Pump track	5/15/2020 12:01 AM
12	Pump track and somewhere to bike (jumps)	5/14/2020 11:12 PM
13	Punptrack	5/14/2020 10:27 PM
14	Ability to Bike. My 14 year old isn't interested in walking. He wants to bike.	5/14/2020 1:56 PM
15	I wish that we could have a local area that allowed people to bike. I have three children that enjoy biking and no local trails that allows biking. Neighborhoods are cut up between Devon rd, Paoli pike and king St... all busy streets getting busier that kids are biking on because no bike trails are close or permitted.	5/13/2020 11:54 AM
16	Edible landscaping such as fruit trees	5/12/2020 11:54 AM
17	I believe that the park is almost perfect the way it is. People seem to take care of it when ever they visit by keeping out trash and leaving everything natural. Installing facilities like bathroomS take away from the naturalness of the park and make it look dirty.	5/11/2020 8:32 PM
18	biking trails	5/10/2020 8:33 PM
19	Bike trails	5/10/2020 10:00 AM
20	Bike trails	5/9/2020 4:19 PM
21	Sidewalks along Grubb Road and Duffryn to allow families within walking distance access to Greentree, Randolph Woods, and Malvern in general. It would be nice to participate in an annual "clean up" and "remove invasive species" day. If you've got money to burn, what about something like the tree houses at Tyler Arboretum or Treehouse World. The kids would love it and nature observers could get a "birds eye" view.	5/9/2020 12:58 PM
22	Allow biking for kids	5/9/2020 11:34 AM
23	Perhaps create a specific path for bikers	5/9/2020 11:34 AM
24	Also allow bikes	5/9/2020 11:04 AM
25	Allow for biking	5/9/2020 10:42 AM
26	Handicap accessibility for trails and restrooms a must No tree cutting keep Native plants No radios free and easy use of park for gatherings for residents	5/5/2020 12:04 AM
27	a board with that identifies that the reserve is under a conservation easement with Willistown Conservation Trust including a description of the land and its diversity of plants etc.	5/4/2020 12:10 PM
28	Please allow bikes, even if it is a separate, designated, pass-through trail, to ride through the woods as a safe way for people to travel between the Greentree neighborhood and Malvern. There are no other safe travel routes for kids (or adults) since King Street does not have a sidewalk past Kimberton Wholefoods.	5/3/2020 8:20 AM
29	I prefer pack out trash but concerned that people will leave garbage and dog poop if you don't have trash cans	5/2/2020 7:32 PM
30	Allow biking	5/2/2020 12:54 PM
31	Children's playground	5/2/2020 10:44 AM
32	A pump track	5/2/2020 7:55 AM

Randolph Woods Nature Preserve Public Opinion Survey

33	Biking	5/1/2020 11:45 AM
34	Disc (frisbee) golf course would be incredible. There are no courses in the immediate area. Disc golfers in general do a great job of keeping areas of nature safe and clean. And they would definitely help generate traffic at local eateries that are around the corner. I think it'd be a tremendous idea to put in a course in the woods	5/1/2020 9:00 AM
35	No bike jumps, ramps or otherwise movement of the land which will affect the flow of water or the health of the trees!	4/30/2020 9:00 PM
36	Its simplicity is it's beauty.	4/30/2020 8:23 PM
37	Why do facilities need to be added to a nature preserve? It will only drive wildlife out or in the case of fencing keep it out	4/30/2020 8:19 PM
38	Considering the environment and economy right now leaving the preserve as a wooded area to get away from people congregating in an area. Most times don't see anyone. Am concerned about the dirtbikers messing with trails. They will continue so make a trail for them. .	4/30/2020 7:56 PM
39	Biking should be allowed	4/30/2020 7:32 PM
40	Water Fountain Bike Racks Biking Only Trails	4/30/2020 5:09 PM
41	Don't prohibit bikes	4/30/2020 2:20 PM
42	the woods is full of invasive species it would be nice if it is cleaned up I favor a low key approach	4/30/2020 10:51 AM
43	Bike path	4/30/2020 8:11 AM
44	I wish biking was allowed	4/29/2020 7:52 PM
45	Biking allowed	4/29/2020 7:35 PM
46	Allow bikes- as there is no safe way to bike from this end of malvern/paoli into malvern borough, our kids go through the woods. Do not forbid this activity. Just encourage stewardship.	4/29/2020 5:49 PM
47	Adapt "passive recreation" to include biking	4/29/2020 1:50 PM
48	allow biking	4/29/2020 10:21 AM
49	Mountain Biking considering today's usage frequency by children and young adults.	4/29/2020 6:46 AM
50	Please allow biking. Bikers must yield to pedestrians. Would *LOVE* to see a trail from Randolph Woods to Malvern Prep woods.	4/28/2020 1:28 PM
51	Allow bikes	4/28/2020 8:43 AM
52	Would be wonderful to have an off-leash dog park area!	4/26/2020 5:30 PM
53	Primitive camping by permit/fee.	4/26/2020 1:57 PM
54	Leave it as is and don't spend our tax dollars on this	4/26/2020 12:51 PM
55	Allow biking in Randolph Woods	4/26/2020 12:24 PM
56	Mountain Biking trials!	4/26/2020 12:20 PM
57	Bike racks Mountain biking trails	4/26/2020 11:57 AM
58	Bike pump track	4/26/2020 11:51 AM
59	An area (maybe off to the side of the gravel road where the 2 birdhouses are) that can be a pump track or dirt jump park for mountain bikers.	4/26/2020 11:50 AM
60	Mountain bike trails and pump track	4/26/2020 11:41 AM
61	I have no idea what Pack-It-In Policy is. You should have explained it.	4/26/2020 11:35 AM
62	Mountain biking trails and pump track	4/26/2020 11:34 AM
63	Unless using grass area for outdoor classroom or picnic area, the area of maintained turf grass areas should be reduced and changed to meadow to promote bird habitat. If installing bathrooms, would prefer to see composting toilet vs. having to put in plumbing infrastructure for flush toilet.	4/26/2020 11:21 AM
64	I think the existing preserve is interesting to visit by bike. While biking and walking around, I was curious about the history of the pump station and land.	3/23/2020 8:18 PM
65	I think it should stay basically the same. I don't see the benefit in adding more to the park. It is a nature preserve. Keep it natural.	3/13/2020 12:53 PM
66	Dog park	3/4/2020 4:39 PM

Randolph Woods Nature Preserve Public Opinion Survey

67	off leash dog park	2/28/2020 12:23 AM
68	Please try and have ONE vision for Malvern - including the Borough and East Whiteland together as one team. Please link the Patriot Path for walking and biking -have you considered a fitness trail and how this can be included for a community. We would LOVE to walk up to these woods but there is no paved way to do this in the borough and it is not safe for my children to do this alone. Instead of thinking about driving to the woods have you considered self driving eco-electric bubble buses that run in Europe - sustainability is key and they could be a great option for moving people around in Malvern = to the shops or trails.	2/9/2020 7:16 PM
69	Should be an off leash dog park	2/8/2020 10:58 PM
70	Maintain the mountain bike trails as such.	2/8/2020 9:24 AM
71	It's nice the way it is. Never had an issue parking. I'd rather have a sidewalk down South Warren Avenue to Paoli Pike	2/7/2020 8:28 PM
72	3 way stop sign at the entrance of the trail and the intersection of 2nd and Duffryn Ave	2/7/2020 1:33 PM
73	Bike trails	2/5/2020 5:12 PM
74	The trails aren't clearly marked and could use a little maintenance during growing season. Although, this is a nature preserve, I don't want my nephews getting scratched by brush overgrowth trying to figure out which way the trails go.	2/3/2020 1:44 PM
75	Make part of the grassy area a dog park - Malvern needs a place where dogs can be off-leash to chase balls and frisbees.	2/1/2020 9:07 AM
76	Biking	1/31/2020 10:59 PM
77	Drinking fountain	1/31/2020 9:12 PM
78	Allow dogs on leashes	1/31/2020 1:00 PM
79	Enclosed dog park area.	1/31/2020 12:31 PM
80	The lack of car traffic makes the woods special and peaceful. Would strongly be opposed to parking and car traffic.	1/31/2020 10:49 AM
81	Place for dogs to be off leash	1/30/2020 2:57 PM
82	I like these woods because they feel nature, not overly ... "touristic"?! Signage, benches, and other such things on the trail would take that away. I like the idea of improving the accessibility and lot at the entrance for nature activity purpose but otherwise the trail itself is enjoyable as a trail.	1/30/2020 12:59 PM
83	Minimal additions to keep it low-key and not over-used by folks coming in with larger vehicles. Don't want it to become crowded by dogs whose owners don't follow leash law (which is already an issue we face weekly, at least).	1/30/2020 11:32 AM
84	It's a really small area. The trails are fine . If you are having events the yes to bathroom and trash but most people don't generate trash except do waste bags	1/30/2020 11:29 AM
85	Lots of trash cans!!	1/30/2020 10:46 AM
86	I would appreciate a connection between Duffryn Trail and King St (perhaps via Arlington Rd). Sometimes I just want to walk directly to/from Malvern without going on a nature hike. The part of King St east of Arlington Rd does not have sidewalks and is not safe to walk on because the shoulder is too narrow.	1/30/2020 9:01 AM
87	Allow bow hunting during hunting season	1/30/2020 7:35 AM
88	I think having a trail for mountain biking would be great. And more focus on the creek.	1/30/2020 7:05 AM
89	Just leave it alone. We need open space.Yes	1/30/2020 6:44 AM
90	All ability Playgrounds	1/29/2020 7:56 PM
91	Dog park?	1/29/2020 5:41 PM
92	Its just fine the way it is. Dont mess with a good thing	1/29/2020 2:25 PM
93	Fitness equipment throught the trails	1/27/2020 5:03 PM
94	Bike riding. I don't understand how horseback riding is allowed but bike riding is not and considered a criminal activity. Given the amount of vehicular traffic in malvern- there are very few places my kids can go (without me driving them) and ride their bikes with friends without risk of being hit by a distracted driver. Randolph woods is one of those few spaces.	1/23/2020 12:34 PM
95	Only have outdoor classroom (benches?) if there are actual plans for educational programs for groups. CRC clean up or invasive removal doesn't require a classroom nor do any other functions happening there now. Same for special events--until you know you will have them, no	1/23/2020 12:07 PM

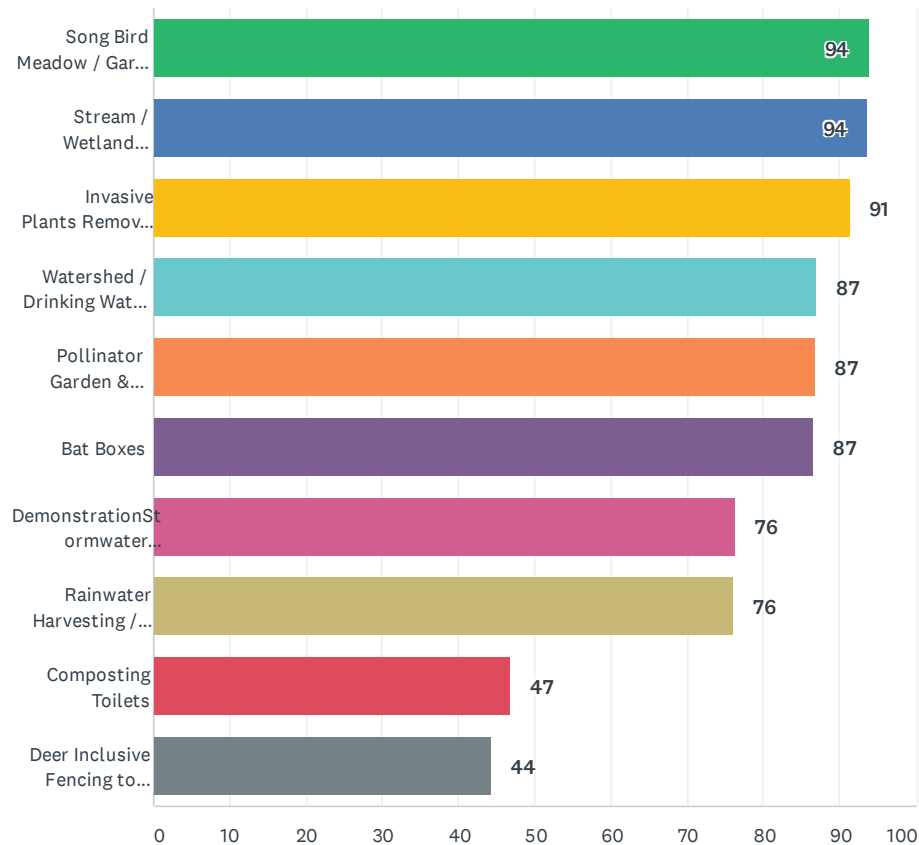
Randolph Woods Nature Preserve Public Opinion Survey

special event lawn that will have to be maintained for what? one or two events a year, none of which are contemplated yet?

96	Specifically Perimeter trail. Pump track for bikes Adapt passive recreation to include biking biking	1/23/2020 9:04 AM
97	As for the last item, a trash can is already in the parking area, and I would like to also see a recycling container there. I'm not sure trash receptacles along the trails are needed, and they might encourage more people to bring food and drink containers along the trails resulting in more "accidental" trash there (as well as more work for borough public works guys to empty the containers).	1/23/2020 8:38 AM
98	Wildflower area for pollinators that possibly can be a nature area too	1/22/2020 10:19 PM
99	Mountain bike trails Pump track	1/22/2020 9:22 PM

Q14 In regards to Randolph Woods Nature Preserve which of the following ecologically-driven facilities and activities should be considered for the park?

Answered: 357 Skipped: 108



Randolph Woods Nature Preserve Public Opinion Survey

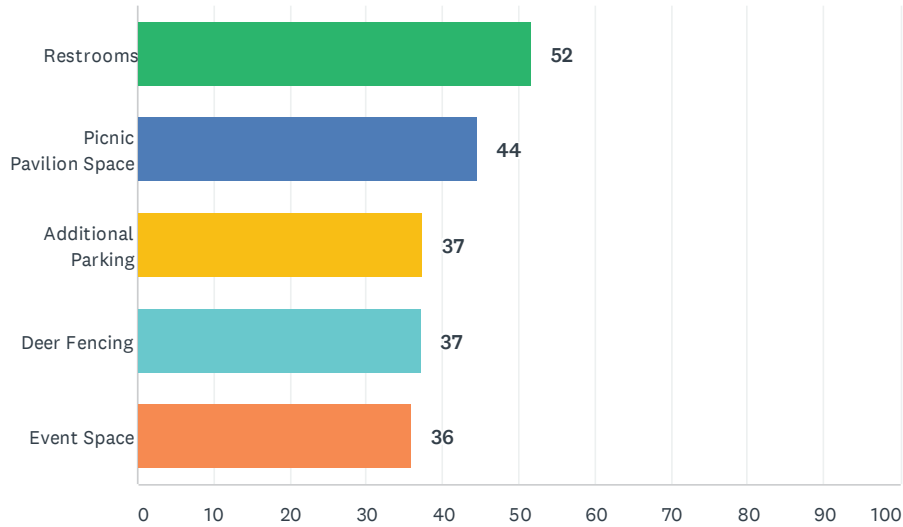
	YES	NO	DO NOT KNOW	TOTAL	WEIGHTED AVERAGE
Song Bird Meadow / Garden & Birdboxes	80.42% 267	5.12% 17	14.46% 48	332	94.01
Stream / Wetland Protection & Restoration	83.67% 287	5.54% 19	10.79% 37	343	93.79
Invasive Plants Removal / Education	81.65% 267	7.65% 25	10.70% 35	327	91.44
Watershed / Drinking Water Protection & Education	71.91% 233	10.80% 35	17.28% 56	324	86.94
Pollinator Garden & Habitat Boxes	72.56% 238	10.98% 36	16.46% 54	328	86.86
Bat Boxes	70.72% 227	10.90% 35	18.38% 59	321	86.64
Demonstration Stormwater Best Management Practices Garden (e.g. rain garden, vegetated swale, porous paving)	53.23% 165	16.45% 51	30.32% 94	310	76.39
Rainwater Harvesting / Cisterns	58.54% 185	18.35% 58	23.10% 73	316	76.13
Composting Toilets	32.69% 101	37.22% 115	30.10% 93	309	46.76
Deer Inclusive Fencing to Limit Deer Browse in the Preserve	32.49% 103	40.69% 129	26.81% 85	317	44.40

Randolph Woods Nature Preserve Public Opinion Survey

#	OTHER (PLEASE SPECIFY)	DATE
1	Put in a pump track.	5/24/2020 9:51 AM
2	Bike trail/ramps	5/23/2020 11:30 PM
3	Mountain bike trails	5/23/2020 9:27 PM
4	Pump track	5/15/2020 12:01 AM
5	Punptrack	5/14/2020 10:27 PM
6	Edible landscaping such as fruit trees or berry bushes	5/12/2020 11:54 AM
7	biking trails	5/10/2020 8:33 PM
8	Any, as long as they do not limit access to the park.	5/9/2020 12:58 PM
9	fencing the preserve is a terrible idea. I live on greentree lane and frequently walk the paths of the woods And value the access. Fencing it off from our community would be devastating.	5/9/2020 11:34 AM
10	Let kids (and adults) ride bikes! What is the point in having nature preserves if you can't use them?? It seems that determining how people can use the outdoors is a faulty thinking. This is especially important with COVID. Once we and more importantly, our children, finally can roam safely again, they NEED to be outside playing and biking is part of play. How can we in good conscience so narrowly define how outside can be used? We are talking about outdoor activities and we have a responsibility to provide our children with every possible opportunity to be outside in a safe way. And riding on the street is NOT safe and riding a paved trail by Target is good to have but misses the entire point.	5/9/2020 10:17 AM
11	a board walk through the wetland area and a platform to bird watch Medaows where there is now grass with only mowed trails Remove the driveway that goes to the stream	5/4/2020 12:10 PM
12	Please keep Randolph woods a natural setting. Malvern is a walking town. Let not destroy more land to add parking so people can take a walk in the woods!	4/30/2020 7:37 PM
13	Permitted bow hunting to control the deer herd. Promote kid friendly activities like mountain biking. Put in an outdoor skating/hockey rink in the lower field section for winter use. Have a membership/ usage and maintenance fee like the tennis courts the memorial grounds. It can be a multi use surface.	4/30/2020 5:09 PM
14	Biking. Pump track	4/29/2020 1:50 PM
15	Open trails to biking, build a pump track and jump line	4/26/2020 11:51 AM
16	All listed above are good ideas.	4/26/2020 11:21 AM
17	Please dont make this some type of major park. Its not safe in the dark for the families to have so many strangers pouring down their dead end road. We already have to deal with the people from Brick and Brew. Preserving is great, making it a destination is not. People already shoot drugs in the woods back there enough.	3/23/2020 4:57 PM
18	leaf composting at park entrance	2/24/2020 4:09 PM
19	Love these ideas.	2/9/2020 7:16 PM
20	Really, Limiting the deer from the woods? That's their home	1/30/2020 12:59 PM
21	Love these ideas!!!	1/30/2020 11:32 AM
22	Don't keep the deer out . They are being shoved out of everywhere else. They don't bother anyone.	1/30/2020 11:29 AM
23	Why limit deer with fencing? One of the reasons I go to the park is the possibility of seeing deer.	1/30/2020 9:01 AM
24	Yes!!!!	1/30/2020 6:44 AM
25	no paving	1/23/2020 12:34 PM
26	BMP practices are now being offered regularly by CRC and other watershed, land conservation groups in the area. I can see them being invited to do something at RW but I think duplicating their efforts is unnecessary. However, I do support implementing BMP's like rain gardens, log like swales, to limit impervious surface run-off is an excellent idea. Definitely porous paving although I am against any additional parking, widening the access road, or sidewalks. While the public works is an eyesore, if you step beyond it, there is an inviting narrow road, leading down under a dense canopy of branches that seems to invite exploration. Its very nature speaks of quiet and adventure at the same time. By widening the road, you take away from the sense of that road leading to something special and apart from the activity of an urban landscape. It would look like all the other roads in the Borough. It's like turning of the highway onto a narrow lane---you feel like you can breathe again. Don't spoil that!	1/23/2020 12:07 PM
27	Maybe add insect control & education.	1/23/2020 8:38 AM

Q15 In general, how important do you feel the following amenities / facilities are for a better and more comfortable experience at Randolph Woods Nature Preserve?

Answered: 356 Skipped: 109



	VERY IMPORTANT	IMPORTANT	SOMEWHAT IMPORTANT/UNIMPORTANT	UNIMPORTANT	VERY UNIMPORTANT	DO NOT KNOW	TOTAL	WEI AVE
Restrooms	15.63% 55	20.17% 71	30.97% 109	19.03% 67	12.78% 45	1.42% 5	352	
Picnic Pavilion Space	6.27% 22	17.38% 61	35.61% 125	23.93% 84	13.68% 48	3.13% 11	351	
Additional Parking	3.99% 14	14.53% 51	25.93% 91	32.19% 113	19.37% 68	3.99% 14	351	
Deer Fencing	10.09% 35	8.36% 29	21.04% 73	22.77% 79	25.07% 87	12.68% 44	347	
Event Space	3.74% 13	12.07% 42	28.16% 98	31.61% 110	20.98% 73	3.45% 12	348	

Randolph Woods Nature Preserve Public Opinion Survey

#	OTHER (PLEASE SPECIFY)	DATE
1	Improved trails and some lighting at night (for when it gets dark early) would be huge improvements	5/23/2020 12:21 PM
2	Pump track	5/15/2020 12:01 AM
3	Puntrack	5/14/2020 10:27 PM
4	I'd like to see bike trails.	5/14/2020 1:56 PM
5	Deer are a natural part of this park! Not letting them in but allowing us in seems odd.	5/11/2020 8:32 PM
6	biking trails	5/10/2020 8:33 PM
7	Bike trail- important	5/10/2020 10:00 AM
8	Bike trails	5/9/2020 4:19 PM
9	I love the park "as is". I would not want to see anything that would limit access to families in the neighborhood. I also don't have any problem with deer in the woods. I mean, where else are they supposed to go? They don't bother me. It's fun to see them when you round the corner.	5/9/2020 12:58 PM
10	No fencing. The deer should be allowed to move freely in the woods	5/9/2020 11:34 AM
11	Biking allowed would be great	5/9/2020 10:42 AM
12	Let kids (and adults) ride bikes! What is the point in having nature preserves if you can't use them?? It seems that determining how people can use the outdoors is a faulty thinking. This is especially important with COVID. Once we and more importantly, our children, finally can roam safely again, they NEED to be outside playing and biking is part of play. How can we in good conscience so narrowly define how outside can be used? We are talking about outdoor activities and we have a responsibility to provide our children with every possible opportunity to be outside in a safe way. And riding on the street is NOT safe and riding a paved trail by Target is good to have but misses the entire point.	5/9/2020 10:17 AM
13	Biking vary important	5/1/2020 11:45 AM
14	The deer have no where to go now. We should not be forcing them into a smaller and smaller habitat. If you have an issue with deer in the woods, you should be in the woods or live in a bucolic area!	4/30/2020 9:00 PM
15	Lets keep the preserve in as much of a natural state as possible. Restrooms, events, pavilions and expanded parking run counter to this. Malvern already has many of these amenities. This is a unique resource for the people of Malvern. Let's protect it and the wildlife that live there.	4/30/2020 8:19 PM
16	We have pavilions in Burke Park. Let's not add Costly structures to a nature preserve. Keep it As natural as possible. Isn't that the point of a nature preserve? Let's be as unobtrusive as possible. Let's not put up expensive fences to keep animals out of a nature preserve or disturb their movement patterns. Deer fences effect other animals too. The deer will end up somewhere Else like our roads and back yards. If the Bourough wants to spend money buy the lot across from the Pig and turn that into a community garden and learning center. It's a horrible entrance to our town.	4/30/2020 7:37 PM
17	As soon as people try to change the natural cycle of nature, it becomes unbalanced	4/30/2020 7:36 PM
18	Pump track	4/29/2020 1:50 PM
19	A small bench or two along the steepest trails would be OK	4/28/2020 9:48 AM
20	Deer fencing to keep the tick risk low for kids	4/26/2020 1:18 PM
21	There is already existing fencing in Randolph Woods and I have never seen a deer in the preserve at any point in time	4/26/2020 12:24 PM
22	Open the area to biking	4/26/2020 11:51 AM
23	Mountain bike trails and amenities	4/26/2020 11:41 AM
24	Although not listed in this question, all of the ecologically-driven ideas in question 14 are very important to me relative to these physical amenities.	4/26/2020 11:21 AM
25	Malvern Borough is a walking community, Randolph Woods should not become another Burks Park. It should be a place where Malvern Borough walkers can enjoy hiking, walking and riding bikes.	4/26/2020 11:13 AM
26	Do not put in deer fencing.....this is their space. We are intruding in their home. Let them roam freely	4/26/2020 11:13 AM
27	If you increase the amenities, you will need bathrooms and more parking.	3/23/2020 8:18 PM
28	I live close enough to walk back and forth to Randolph woods. But I remember when my kids	3/4/2020 9:49 AM

Randolph Woods Nature Preserve Public Opinion Survey

were little and I could only go places with a bathroom readily available. I'm sure all the parents of little kids would really appreciate a restroom.

29	off leash dog park	2/28/2020 12:23 AM
30	very important: composting facility at the entrance	2/24/2020 4:09 PM
31	Dog waste bags and Receptacles	2/8/2020 10:58 PM
32	I frequent the woods quite often. I rarely see more than a handful of people in the woods at a single time. The bridge over the creek is in excellent condition (which is important). The deer NEED a place to live, so I am strongly against keeping them out with fencing. This also applies to the raccoons and foxes as well. They need habitat - otherwise they will encroach on people's yards.	2/8/2020 9:12 AM
33	Availability to bike in the preserve.	2/5/2020 5:12 PM
34	It is a nature preserve. Blocking out deer and allowing more car traffic defeats the purpose. Once that's exploited, it's just another park that will deal with overcrowding and litter. Let's educate our citizens and leave the preserve to our plants and animals, as intended.	2/3/2020 1:44 PM
35	Dog park	2/1/2020 9:07 AM
36	I kind of like it the way it is, in its natural state.	2/1/2020 8:19 AM
37	Deer Fencing this property will destroy the heard that runs the Malvern retreat fence line , across Paoli Pike and into Willistown. Bad Idea. That said, we don't need a heard but from what I have seen on Paoli Pike over last 15 years there is a select group of does that bed down in Malvern from Willistown. These are big females that teach their young the trails they have known. Embrace & control Do Not Prevent access. Deer are eating invasive plants. You can't close this off to deer. They follow the streams & Springs.	1/31/2020 9:23 PM
38	Drinking water	1/31/2020 6:45 PM
39	Add a bike rack? Very opposed to car traffic. Improved pedestrian and bike access is good.	1/31/2020 10:49 AM
40	deer fence, bat boxes... STOP... let nature do its own thing.... the bats are happily roosting without our intervention... the deer need a place to bed down and munch.... the invasive species CANNOT be effectively eradicated... let it be.... please get people with REAL knowledge on this commission...eg; master Gardners etc....	1/30/2020 11:40 AM
41	There are already picnic tables, so I am unsure if you need to add many more?	1/30/2020 11:32 AM
42	If we cant figure out what to do with it there isnt going to be a market for forcing something.	1/30/2020 8:00 AM
43	Playgrounds	1/29/2020 7:56 PM
44	Dont change it	1/29/2020 2:25 PM
45	Bike racks	1/23/2020 12:34 PM
46	Strongly against additional parking. We've had as many as 70 to 80 people come for stream clean up and have managed without undue problems. That's a once a year occurrence and I would hate for more parking to be installed for the rare event where more than a handful of cars are parked. Most of my visits, there are no cars or maybe one or two. Most people seem to walk to the park.	1/23/2020 12:07 PM
47	Very Important: Information boards for historical features, especially at the pump house as well as for interesting natural features along the trails (type of trees, etc.) Unimportant: more trails which would require more trail maintenance and cleanup. If new "event space" is provided, it should be secluded or otherwise not detract from the park's	1/23/2020 8:38 AM
48	Can there be a fund set up for people who want to donate to the land?	1/22/2020 10:19 PM

Q16 What do you like most about Randolph Woods Nature Preserve?

Answered: 253 Skipped: 212

Randolph Woods Nature Preserve Public Opinion Survey

#	RESPONSES	DATE
1	I like the most the fact that it is basically a wild woodland smack in the middle of Malvern. I like that it is wild and natural.	6/15/2020 9:10 PM
2	The scenic trails and it's a brisk dog walk from our house	6/2/2020 9:54 AM
3	Provides trails for biking in a condensed area where children can experience trail riding close to home and in a safe environment	5/25/2020 8:42 PM
4	Not too many folks know about it. Also love the creek there	5/24/2020 8:37 AM
5	Just being in nature	5/24/2020 8:28 AM
6	It's an oasis	5/24/2020 6:19 AM
7	Accessibility to Borough	5/23/2020 10:56 PM
8	That people leave it be.	5/23/2020 10:46 PM
9	The trails.	5/23/2020 9:27 PM
10	Much quieter than the battlefield	5/23/2020 12:21 PM
11	Location	5/23/2020 12:20 PM
12	Small but nice area to enjoy with family	5/23/2020 12:17 PM
13	It's a beautiful and relaxing place to be	5/23/2020 12:03 PM
14	i like to build jumps	5/19/2020 10:42 PM
15	The fact that so many kids are able to go there and get out of the house each day. It gives them something to do and work on instead of staying home and playing video games all day	5/19/2020 10:07 AM
16	Trails	5/15/2020 12:33 AM
17	The biking trails	5/15/2020 12:01 AM
18	Trails	5/14/2020 11:12 PM
19	Biking trails	5/14/2020 10:27 PM
20	Ability to be in nature and it allows our 14 year old son to go with his friends and be independent. He can explore. But need to be able to bike there.	5/14/2020 1:56 PM
21	Trails and access to the creek	5/13/2020 11:54 AM
22	It's very close and is not usually packed	5/12/2020 11:54 AM
23	I love how natural it is! The dirt trails allow us to interact with nature without disturbing it. My family believes that this park is such as amazing quiet little piece of land that is a perfect escape from the noise and bustle of everyday life.	5/11/2020 8:32 PM
24	The trails	5/11/2020 1:33 PM
25	secluded nature and close proximity	5/10/2020 8:33 PM
26	Area to get out in nature with kids to hike or jog	5/10/2020 4:28 PM
27	Stream	5/10/2020 10:00 AM
28	Woods I can actually walk to	5/9/2020 9:26 PM
29	That it's a great space for kids to go on bike and be themselves, it's one of the only safe spaces to do this around here	5/9/2020 8:20 PM
30	I love the many trails that I can go for runs in a peaceful setting	5/9/2020 6:55 PM
31	Its a pretty way to walk to Malvern	5/9/2020 1:54 PM
32	Access. It is wonderful to have a place only blocks away to go hiking or running. When my kids were little, it was an awesome place to take them to wade in the stream. I would also like to thank whoever is responsible for keeping the trails open when a tree falls across the trail. I'll come through a week later and the tree is cleared. Thank you!!!	5/9/2020 12:58 PM
33	Beautiful way to walk into town.	5/9/2020 12:33 PM
34	Walking the trails as a family	5/9/2020 11:34 AM
35	Quiet, peaceful environment	5/9/2020 11:34 AM
36	Great place to be	5/9/2020 11:04 AM
37	It's beauty	5/9/2020 10:42 AM

Randolph Woods Nature Preserve Public Opinion Survey

38	I like that it's passive use only (no bikes)	5/6/2020 10:04 PM
39	The 43 acres is exactly what grandpa Tom wanted for Malvern. A perfect place to hike locally and feel like you're in the wilderness.	5/6/2020 9:50 PM
40	The nature	5/6/2020 9:47 PM
41	Variety of trails	5/6/2020 5:02 PM
42	The forest and the creek	5/5/2020 12:04 AM
43	The diversity of the land with wildlife and plant life	5/4/2020 12:10 PM
44	It's usually not crowded. Kids love looking at the water/stream and walking through the woods. Close to town.	5/3/2020 11:28 AM
45	That it is a safe passage way for kids to have the freedom we had as kids to move around independently and access their friends on the opposite side of the park.	5/3/2020 8:20 AM
46	Only area like it in the borough.	5/3/2020 8:16 AM
47	It is a Beautiful and quiet place that frankly many do not know about and I like the lack of people and the bird sounds in The woods	5/2/2020 7:32 PM
48	Proximity	5/2/2020 12:54 PM
49	Large open area in Malvern borough with trails.	5/2/2020 10:44 AM
50	It's Accessibility and proximity to malvern	5/2/2020 7:55 AM
51	The openness of it	5/1/2020 8:54 PM
52	Walking around and enjoying the birds and other wildlife. Giving my dog a safe place to walk.	5/1/2020 4:15 PM
53	Biking	5/1/2020 11:45 AM
54	I like getting out into the woods where I can throw frisbees and admire nature	5/1/2020 9:00 AM
55	One of the best draws is the solitude and quiet. We will go hours playing and only see a few people, and yet we are still close to town. All of the trees added to the field a few years ago made it even more beautiful. When we brings our dogs, the trash can in the parking area is always appreciated.	5/1/2020 12:44 AM
56	walking in it	4/30/2020 11:54 PM
57	That it's mostly undisturbed woods.	4/30/2020 9:00 PM
58	It's quiet and used by locals only.	4/30/2020 8:23 PM
59	It one of the only truly natural resources in Malvern that doesn't have structures on it	4/30/2020 8:19 PM
60	love it just the way it is now ... there are enough parks in the area with benches and bathrooms ... keep it natural	4/30/2020 8:09 PM
61	that it is quiet, peaceful and a natural preserve	4/30/2020 8:02 PM
62	Quietness	4/30/2020 7:56 PM
63	The nature! It's a naturally peaceful area that allows my family to hike and not run into many people. It doesn't need to be improved!	4/30/2020 7:54 PM
64	That it is natural and peaceful NOT an activities or special events center. That is Burke Park.	4/30/2020 7:37 PM
65	That it is a natural Preserve and it's best to let Nature evolve the way it knows best	4/30/2020 7:36 PM
66	quietness	4/30/2020 7:32 PM
67	Being in nature	4/30/2020 6:34 PM
68	Proximity to town Nice trails	4/30/2020 6:09 PM
69	No "official" trails.	4/30/2020 5:50 PM
70	Proximity an multi-use trails	4/30/2020 5:09 PM
71	Quaint gem with nice trails, off the beaten path.	4/30/2020 2:56 PM
72	Its proximity to my house and that it functions as a pleasant connecting pathway into Malvern	4/30/2020 2:20 PM
73	Like just the way it is!	4/30/2020 2:12 PM
74	Space for the entire community to use recreationally	4/30/2020 12:55 PM
75	That is a simple park.	4/30/2020 12:45 PM

Randolph Woods Nature Preserve Public Opinion Survey

76	I like that it is touched little by human. It should be left the way it is. We have plenty of parks for people to enjoy and the point of a preserve is to give animals a place to live peacefully.	4/30/2020 12:41 PM
77	That it's a natural woods without all sorts pavilions, classrooms, playgrounds, fencing and other structures. Plenty of undisturbed wildlife	4/30/2020 11:34 AM
78	the stream, walking through the woods	4/30/2020 10:51 AM
79	My kids love to bike in the woods. It is the safest way for them to travel from friends houses in the borough to the town of Malvern borough.	4/30/2020 10:32 AM
80	No interest	4/30/2020 8:43 AM
81	Proximity to town, beauty and accessibility.	4/30/2020 7:25 AM
82	I like that it is not frequented by many people. A hidden gem	4/30/2020 2:06 AM
83	Beautiful trail	4/29/2020 10:05 PM
84	Trails are beautiful	4/29/2020 8:50 PM
85	It's a nice place to visit that I can walk to from home and good connection to Willistown and Paoli since there are no sidewalks and kids can walk or ride their bikes safely.	4/29/2020 8:27 PM
86	I love the trails and how it connects Willistown to the borough	4/29/2020 7:52 PM
87	Biking	4/29/2020 7:39 PM
88	Just being in the woods!	4/29/2020 7:35 PM
89	Density of parts of the woods, the # of trails to choose from	4/29/2020 7:08 PM
90	Proximity	4/29/2020 1:50 PM
91	It's proximity to downtown. Being able to share the trails with community members. The ability to have a place to mountain bike with those in our community and our children. Teaching our children about nature. The natural beauty.	4/29/2020 6:46 AM
92	Woods, dirt trails	4/28/2020 3:28 PM
93	It is a natural area that I can walk to. It has the potential to be restored and to show best practices for stormwater management and creating a native meadow for pollinators and birds.	4/28/2020 2:05 PM
94	How natural it is. Please don't change it much. Please allow it to retain that feel.	4/28/2020 1:28 PM
95	Accessibility; beauty	4/28/2020 10:54 AM
96	Peace and quiet, large trees, small flowing stream	4/28/2020 9:48 AM
97	Quiet and close by	4/28/2020 8:43 AM
98	i can walk there from my house and have a nice hike	4/28/2020 8:14 AM
99	Location	4/27/2020 11:21 PM
100	Diversity	4/27/2020 1:19 PM
101	Stream access and various trail options	4/27/2020 1:18 PM
102	Beauty Quiet	4/27/2020 10:19 AM
103	Proximity to home.	4/27/2020 9:40 AM
104	Quiet, not crowded, natural environment	4/27/2020 8:34 AM
105	It's close to where I live	4/27/2020 7:59 AM
106	I can walk to it	4/27/2020 6:44 AM
107	natural setting, trails, accessibility	4/27/2020 12:09 AM
108	I like the ability to walk a variety of trails with access to the creek. It is usually uncrowded which adds to the experience.	4/26/2020 8:44 PM
109	Hidden gem	4/26/2020 8:40 PM
110	its current state of naturalness	4/26/2020 5:33 PM
111	not many people	4/26/2020 4:55 PM
112	Close by. Nice walk in the woods. Connection to Paoli.	4/26/2020 4:10 PM
113	Loca flora and fauna in a fairly wild setting	4/26/2020 4:07 PM
114	Natural (less facilities, cars and people)	4/26/2020 3:27 PM

Randolph Woods Nature Preserve Public Opinion Survey

115	Open Space Park for all	4/26/2020 3:05 PM
116	Wildness	4/26/2020 2:41 PM
117	It's a nice size and respite in the Borough. Not overcrowded so it's more enjoyable to walk around in	4/26/2020 2:26 PM
118	I've been missing out and need to take advantage!	4/26/2020 2:06 PM
119	Rustic nature so close to Malvern	4/26/2020 1:57 PM
120	walking area	4/26/2020 1:56 PM
121	Hiking trails	4/26/2020 1:43 PM
122	It's convenient	4/26/2020 1:35 PM
123	Quick nature outing for kids	4/26/2020 1:18 PM
124	It's quiet. I don't think many people outside of the Borough realize it's there	4/26/2020 1:15 PM
125	That it is natural and peaceful	4/26/2020 12:45 PM
126	Natural beauty within walking distance from the borough	4/26/2020 12:43 PM
127	Open space preserved for nature rather than intensive human activities.	4/26/2020 12:31 PM
128	Existing footbridges, well-built trail system, connector to Duffryn Road	4/26/2020 12:24 PM
129	the trail through the pine forest and that it is not crowded	4/26/2020 12:22 PM
130	It's uncrowded, the trails are good for mountain bikes and dog walking.	4/26/2020 12:20 PM
131	It is off the beaten track and relatively private	4/26/2020 12:09 PM
132	A peaceful place to read & take in mother nature	4/26/2020 12:02 PM
133	That I have a space in my backyard where my kids can safely get to and bike together with friends without fear of them getting hit by distracted drivers. They are out enjoying nature and being active. They can just go, I don't have to drive them anywhere.	4/26/2020 11:57 AM
134	Easy access	4/26/2020 11:51 AM
135	The ability to bike there and the jumps.	4/26/2020 11:50 AM
136	A peaceful place to get away from the fray	4/26/2020 11:45 AM
137	It's an open space and that's it.	4/26/2020 11:43 AM
138	Trails and borough access	4/26/2020 11:41 AM
139	Stream and trails	4/26/2020 11:37 AM
140	I like the natural-ness of it. I think we should limit development in ways that preserves the Preserve and educates the public.	4/26/2020 11:35 AM
141	Location	4/26/2020 11:34 AM
142	The bike paths	4/26/2020 11:32 AM
143	I can walk to it from my house.	4/26/2020 11:21 AM
144	That it is not crowded	4/26/2020 11:13 AM
145	close to my house and the quiet space to go. My son likes to explore thr area	4/26/2020 11:13 AM
146	Availability by walking from within the Borough.	4/26/2020 11:08 AM
147	Natural lands, open & green space... trails to walk / hike within walking distance of my home	4/21/2020 11:30 PM
148	The winding trails and footbridge over the creek.	3/23/2020 8:18 PM
149	Mostly undisturbed	3/23/2020 7:12 PM
150	Quiet, relatively unknown except to locals	3/23/2020 4:57 PM
151	Serenity.	3/23/2020 4:33 PM
152	I like how close it is to access. I feel that it is a major asset for the Borough.	3/23/2020 4:06 PM
153	peaceful solitude great for meditation	3/17/2020 3:19 PM
154	serenity	3/16/2020 10:30 AM
155	I like it just the way it is except that a bathroom would be nice. Keep it natural. No need to add a bunch of stuff.	3/13/2020 12:53 PM

Randolph Woods Nature Preserve Public Opinion Survey

156	The preserve itself is wonderful--not well traveled, but a great system of trails and beautiful nature right in the heart of Malvern	3/4/2020 4:39 PM
157	great walking trail- very peaceful and quiet.	3/4/2020 4:28 PM
158	The world is so overdeveloped. Any patch of green is appreciated.	3/4/2020 9:49 AM
159	it's a nice park within walking distance that seems further from development than it is.	2/24/2020 7:36 PM
160	its passive uses, uncrowded	2/24/2020 4:09 PM
161	hidden gem in malvern	2/22/2020 10:25 AM
162	I thought it was a private preserve. Did not even realize the public was allowed to use it.	2/10/2020 8:01 AM
163	I would LOVE to walk there but cannot right now.	2/9/2020 7:16 PM
164	calm and peaceful	2/9/2020 12:28 PM
165	No one there	2/8/2020 10:58 PM
166	Close	2/8/2020 10:24 PM
167	That I can walk from my house and enjoy a nature wal so close to home.	2/8/2020 5:31 PM
168	Not crowded	2/8/2020 9:24 AM
169	The raw nature of it. The raw trails. Sometimes we need a little patch of REAL nature. When I want a paved trail I go to Goshen Park.	2/8/2020 9:12 AM
170	How close to home it is, yet it feels nicely remote when you are on the trail.	2/8/2020 9:02 AM
171	It's a small part of untouched green the middle of our town.	2/8/2020 8:42 AM
172	It is a close walk and not over crowded. It is natural	2/8/2020 5:06 AM
173	Quiet oasis in nature	2/7/2020 9:41 PM
174	It's an oasis of nature in Malvern	2/7/2020 8:28 PM
175	Trails, dog bag stops would be nice for people who seem to have forgotten them so leave theirs behind.	2/7/2020 7:19 PM
176	Nature trails close to home. Connect the borrow to Willistown, love the stream, quiet place to enjoy nature	2/7/2020 7:06 PM
177	Tucked away, can't wait to check it out	2/7/2020 4:05 PM
178	I've never explore all nature. Can't give my opinion. Living here for 3 years now never heard too much about this area. I'm glad I'm hearing now. Going to explore more	2/7/2020 3:36 PM
179	The peace	2/7/2020 3:14 PM
180	Natural Spring/watershed	2/7/2020 12:12 PM
181	It's proximity to my home	2/7/2020 12:01 PM
182	secluded, natural, quiet.	2/5/2020 5:12 PM
183	That it is an area that will not be developed.	2/3/2020 7:28 PM
184	It's a nice little secret. Let's leave it that way. The seclusion from downtown makes you forget that right on the other side of the trees are roadways.	2/3/2020 1:44 PM
185	large park "feel"	2/2/2020 3:07 PM
186	I love having a beautiful hiking picnic area right in town.my family &I love hiking back there and watching all of the animals in nature	2/2/2020 11:00 AM
187	The quiet!	2/1/2020 11:21 PM
188	Fact that it is not 'overimproved' and stays in it's natural state	2/1/2020 2:44 PM
189	Very quiet and peaceful	2/1/2020 9:07 AM
190	It's a secluded, peaceful piece of nature in an increasingly urbanized area.	2/1/2020 8:19 AM
191	Local park, not a destination park	2/1/2020 7:41 AM
192	Large and right in the borough	2/1/2020 12:45 AM
193	It is open space.	1/31/2020 10:59 PM
194	Most people have no idea.	1/31/2020 9:23 PM

Randolph Woods Nature Preserve Public Opinion Survey

195	The fact that it is close to get to but once you're there you feel far away from anything man made.	1/31/2020 9:12 PM
196	It's natural state/peaceful	1/31/2020 7:07 PM
197	That it is a forested area conducive to walking and enjoying the quiet of nature.	1/31/2020 6:45 PM
198	How peaceful it is.	1/31/2020 6:39 PM
199	I can walk from my house. I love to walk the trails! It's a great spot.	1/31/2020 3:04 PM
200	The fact that we are preserving it, even though it is a significant amount of space in a borough as small as Malvern.	1/31/2020 1:30 PM
201	Walkable	1/31/2020 12:42 PM
202	The Audubon like setting for reading or quiet contemplation.	1/31/2020 12:31 PM
203	Go Wilma scavenger hunt	1/31/2020 12:13 PM
204	The amount of wildlife I've seen throughout the preserve.	1/31/2020 12:08 PM
205	It's awesome to be able to walk to a natural area with trees and trails adjacent to a more urban area.	1/31/2020 12:04 PM
206	Quiet and peacefulness	1/31/2020 11:43 AM
207	Proximity to malvern borough. It's also easy to bring small kids there since the trails aren't long.	1/31/2020 11:36 AM
208	Very natural and undisturbed	1/31/2020 11:29 AM
209	I like the fact that it's a natural preserve. I'd like to see that feeling maintained. I'm not sure its natural qualities can be preserved if it takes on a multipurpose focus (i.e., event space, picnic pavilion, etc)	1/31/2020 11:14 AM
210	it's quiet, secluded and close by	1/31/2020 11:03 AM
211	Peaceful, quiet, no cars.	1/31/2020 10:49 AM
212	It's simplicity	1/31/2020 10:39 AM
213	Being in the woods and walking on dirt. Most parks in the area are open space and paved.	1/30/2020 11:26 PM
214	The ability to walk outside in shard areas.	1/30/2020 10:12 PM
215	Quiet	1/30/2020 7:32 PM
216	I like it the way it is. For passive enjoyment. I like it best when there are few people around. If you want a park with facilities go to another park.	1/30/2020 6:16 PM
217	Untouched and natural	1/30/2020 2:57 PM
218	The fact that it is an open space for all to use.	1/30/2020 2:10 PM
219	Natural stream	1/30/2020 1:51 PM
220	Secluded and quiet. Easily accessible from the borough.	1/30/2020 11:32 AM
221	It's a nice wooded area close by to town to just chill. It's good for the kids to have woods to play in as well.	1/30/2020 11:29 AM
222	How close it is to Malvern	1/30/2020 10:46 AM
223	Leave it just the way it is	1/30/2020 10:24 AM
224	proximity, lack of development	1/30/2020 9:30 AM
225	It is nearby and includes a nature trail and occasional wildlife sightings.	1/30/2020 9:01 AM
226	The rustic nature of the environment. It's small though, so additional trails would make it more interesting and better signage for trails	1/30/2020 8:04 AM
227	its natural, not forced, quiet, not overbuilt, not trying to be something its not, simple	1/30/2020 8:00 AM
228	The fact that it's not wildly popular. One of the last parks that still has untouched area.	1/30/2020 8:00 AM
229	that it is quiet	1/30/2020 7:33 AM
230	Quiet place to walk/exist	1/30/2020 7:32 AM
231	N/a	1/30/2020 7:21 AM
232	It is a simple place where you feel like you can walk in the woods and my kids like the creek.	1/30/2020 7:05 AM
233	That it is a little wooded gem right in town. Not many people are ever there.	1/30/2020 6:36 AM

Randolph Woods Nature Preserve Public Opinion Survey

234	Our family loves that it's a piece of nature that we can walk to right in the middle of the borough.	1/29/2020 8:54 PM
235	The quiet	1/29/2020 8:06 PM
236	Want to visit	1/29/2020 7:56 PM
237	Close and great for dog walking.	1/29/2020 7:55 PM
238	My dog and I love it all- the trails the water the bird areas.	1/29/2020 7:22 PM
239	It's a hidden gem. I love that it's quiet, but feel like I'm trespassing going down the road.	1/29/2020 5:04 PM
240	Peaceful quiet park I can walk to.	1/29/2020 3:29 PM
241	The woods	1/29/2020 3:12 PM
242	Wild birds especially very large woodpecker	1/29/2020 2:45 PM
243	That it is undeveloped and just natural land	1/29/2020 2:25 PM
244	Quiet place to go and taking the kids on a nature walk	1/27/2020 5:03 PM
245	The trees and the stream	1/25/2020 12:10 PM
246	that there is a great section of nature so close to my house! We can walk or ride bikes to it.	1/23/2020 12:34 PM
247	The stream and woodland; the owls and piliated woodpeckers; the hilly landscape that gives the hiker a bit of a challenge compared to most of the walking areas in Malvern	1/23/2020 12:07 PM
248	The untouched nature. I love that it is not paved.	1/23/2020 9:18 AM
249	Accessible from my house	1/23/2020 9:04 AM
250	Quiet and peaceful setting, steep hills for an energetic walk-about, and a lovely small creek.	1/23/2020 8:38 AM
251	Watershed and hiking trails all walking distance from the borough	1/22/2020 10:19 PM
252	Trails and trees	1/22/2020 9:22 PM
253	Duffryn Trail connecting to Willistown development	1/22/2020 9:11 PM

Q17 What do you like least about Randolph Woods Nature Preserve?

Answered: 222 Skipped: 243

Randolph Woods Nature Preserve Public Opinion Survey

#	RESPONSES	DATE
1	There is nothing I do not like about it.	6/15/2020 9:10 PM
2	Our kids aren't allowed to bike in there any longer	6/2/2020 9:54 AM
3	older citizens who treat the area as it is for them only to utilize for walking; while yelling and admonishing children for getting exercise and being outside	5/25/2020 8:42 PM
4	I haven't visited because it may not be advertised enough. I visit 2 preserves weekly!	5/25/2020 5:56 PM
5	Sticker bushes and ticks in the summer	5/24/2020 8:37 AM
6	The area with all the dead evergreens	5/24/2020 8:28 AM
7	I always get lost	5/24/2020 6:19 AM
8	That people that dont or rarely visit the woods are making decisions about its future. Let kids bike. It's a healthy thing for them to do. Don't shut the door to coexisting!	5/23/2020 10:46 PM
9	The new no bike policy. Can't get there in foot.	5/23/2020 9:27 PM
10	The trails could use some upkeep	5/23/2020 12:21 PM
11	Limited use policy	5/23/2020 12:20 PM
12	You can't ride bikes	5/23/2020 12:03 PM
13	my jumps get destroyed	5/19/2020 10:42 PM
14	The fact that it needs to be regulated	5/19/2020 10:07 AM
15	People	5/15/2020 12:33 AM
16	Nothing	5/15/2020 12:01 AM
17	No biking spots	5/14/2020 11:12 PM
18	Trails getting destroyed	5/14/2020 10:27 PM
19	No bikes	5/14/2020 1:56 PM
20	Children getting in trouble for riding their bikes there.	5/13/2020 11:54 AM
21	There is a lot of barberry bushes which can cause a higher tick population and are invasive	5/12/2020 11:54 AM
22	I love the park! Nothing to not like!	5/11/2020 8:32 PM
23	Hilly	5/11/2020 1:33 PM
24	inability to bike through some of the preserve	5/10/2020 8:33 PM
25	Not a great connection to General Wayne	5/10/2020 4:28 PM
26	Lack of trail signs/ information	5/10/2020 10:00 AM
27	No fence	5/9/2020 9:26 PM
28	That our government is trying to take it away from us	5/9/2020 8:20 PM
29	Nothing it's a pretty great preserve!	5/9/2020 6:55 PM
30	Biking policy	5/9/2020 1:54 PM
31	Wish it converted with other trail systems	5/9/2020 12:33 PM
32	No restrooms and not being allowed to ride bikes	5/9/2020 11:34 AM
33	Needs better trail maintenance	5/9/2020 11:34 AM
34	No bikes allowed	5/9/2020 11:04 AM
35	That biked aren't allowed	5/9/2020 10:42 AM
36	I dislike that people in Willistown have encroached on this land. I also dislike that people think it's okay to tear up the hiking trails for bikes.	5/6/2020 10:04 PM
37	Mountain bikers destroying the landscape.	5/6/2020 9:50 PM
38	The bikers	5/6/2020 9:47 PM
39	Trail shape	5/6/2020 5:02 PM
40	It would be lovely to do something useful and beautifying with the pump station...please leave it, but turn it into something like a gate house to the park	5/5/2020 12:04 AM

Randolph Woods Nature Preserve Public Opinion Survey

41	That people let their dogs loose and they don't pick up after them, the disrespect by visitors that ride bikes there and dig up the woods	5/4/2020 12:10 PM
42	I wish it was bigger and had more trails. It would be great if it could somehow be connected with the Malvern Retreat House.	5/3/2020 11:28 AM
43	The new 'No Bikes' sign	5/3/2020 8:20 AM
44	Banning biking	5/3/2020 8:16 AM
45	Some people have spread trash in there or have had fires which is not respectful or safe	5/2/2020 7:32 PM
46	No biking	5/2/2020 12:54 PM
47	Unmaintained gravel road through park. Lots of wet areas in grass.	5/2/2020 10:44 AM
48	The trails are worse for wear	5/2/2020 7:55 AM
49	The no biking policy	5/1/2020 8:54 PM
50	Destruction of the trails by digging up the dirt and rocks by people. Used as a dumping ground by people.	5/1/2020 4:15 PM
51	No biking	5/1/2020 11:45 AM
52	There's no disc golf course and a lot of it is fenced off	5/1/2020 9:00 AM
53	The first few times we went to Randolph Woods we got terribly lost on the trails.	5/1/2020 12:44 AM
54	Biking shouldn't be prohibited.	4/30/2020 9:30 PM
55	People don't always pick up their dogs waste.	4/30/2020 8:23 PM
56	the riverbank repairs by the bridge near the Retreat were not done in keeping with the terrain. The fence around the waterworks building.	4/30/2020 8:19 PM
57	n/a	4/30/2020 8:02 PM
58	Trail maintenance	4/30/2020 7:56 PM
59	N/a	4/30/2020 7:54 PM
60	The condition of the public works building makes the entrance look trashy	4/30/2020 7:37 PM
61	Nothing	4/30/2020 7:36 PM
62	unmarked trails	4/30/2020 7:32 PM
63	Ugly driveway looking access	4/30/2020 6:34 PM
64	No biking	4/30/2020 6:09 PM
65	Signage	4/30/2020 5:50 PM
66	The no bike riding sign. Biking should be allowed. It is not connected with a trail to the monument grounds and woods.	4/30/2020 5:09 PM
67	New signs prohibiting biking	4/30/2020 12:55 PM
68	The municipality buildings at the entrance are not well maintained	4/30/2020 12:41 PM
69	perfect the way it is	4/30/2020 11:34 AM
70	invasive species	4/30/2020 10:51 AM
71	Too much time and money spent on it	4/30/2020 8:43 AM
72	Kids should be able to bike.	4/30/2020 7:25 AM
73	Trails are narrow	4/29/2020 8:50 PM
74	It's nice. There's nothing I don't like about it.	4/29/2020 8:27 PM
75	That people yell at kids who are just playing and helping maintain the trails	4/29/2020 7:52 PM
76	Nature	4/29/2020 7:39 PM
77	Sometimes the trails needs to be cleaned up and managed better.	4/29/2020 7:35 PM
78	Ample parking is the only thing I can think of BUT I walk there with my dog so no issues with me	4/29/2020 7:08 PM
79	Litter. People in power forbidding bikes.	4/29/2020 5:49 PM
80	Being yelled at while biking	4/29/2020 1:50 PM

Randolph Woods Nature Preserve Public Opinion Survey

81	Nothing	4/28/2020 3:28 PM
82	The trails are eroded and degraded. The forest is also in a state of decline.	4/28/2020 2:05 PM
83	That the woods are not healthy. Please make changes ONLY to improve the health of the woods.	4/28/2020 1:28 PM
84	Not allowed to bike	4/28/2020 10:54 AM
85	Occasional trash, bike "jumps"carved into trails.	4/28/2020 9:48 AM
86	Bikes are not allowed	4/28/2020 8:43 AM
87	trails not clearly marked/explained	4/28/2020 8:14 AM
88	Needs work - can be a gem	4/27/2020 11:21 PM
89	Phragmites	4/27/2020 1:19 PM
90	Shaded pavilion if people wanted to picnic would be nice but not super important	4/27/2020 1:18 PM
91	unkept feel	4/27/2020 9:40 AM
92	It's too small	4/27/2020 7:59 AM
93	It feels uninhabited so I don't go there alone....always walk with someone...	4/27/2020 6:44 AM
94	encroachment,	4/27/2020 12:09 AM
95	I like least the fact that the trails have not been well monitored. For example, people have been digging off to the side of trails to create bike ramps.	4/26/2020 8:44 PM
96	Trails are unmarked and I end up in people's backyards	4/26/2020 8:40 PM
97	there is nothing I dislike	4/26/2020 5:33 PM
98	Didn't know it was accessible land for the public.	4/26/2020 5:30 PM
99	nothing	4/26/2020 4:55 PM
100	Looks like adjacent Willis town neighbors have annexed parts of the woods as extensions of their backyards.	4/26/2020 4:10 PM
101	Trails not well maintained	4/26/2020 3:27 PM
102	Getting lost	4/26/2020 2:41 PM
103	the area from the water station to the creek is often flooded/soggy even days after any rain. maybe a wood/stone walkway across it to the bridge going over the stream.	4/26/2020 2:26 PM
104	N/a	4/26/2020 1:57 PM
105	it dead ends	4/26/2020 1:56 PM
106	Trails are narrow.	4/26/2020 1:52 PM
107	Lack of signage and industrial entrance area	4/26/2020 1:43 PM
108	They don't let us bike	4/26/2020 1:35 PM
109	limited trails	4/26/2020 1:18 PM
110	The trails aren't long enough or not marked so you actually know there is a trail.	4/26/2020 1:15 PM
111	I like it the way it is	4/26/2020 12:45 PM
112	Needs more trail markers	4/26/2020 12:43 PM
113	Overused trail structure.	4/26/2020 12:31 PM
114	Drainage on certain paths, not enough maintenance to keep sticky plants off of trails, messy destruction of existing trail features	4/26/2020 12:24 PM
115	Finding garbage on the trails- but that's not parks and recs fault, that's the fault of jerks who litter.	4/26/2020 12:20 PM
116	Too small	4/26/2020 12:09 PM
117	Not well laid out & no restrooms	4/26/2020 12:02 PM
118	Current arcane rules that do not allow biking but the more damaging activity of horseback riding is allowed. The township needs to realize that with the growth of population there are more kids in the area and they shouldn't be criminalized for riding responsibly and enjoying nature. There's a lot worse things bored teenagers could be doing and biking shouldn't be one of them.	4/26/2020 11:57 AM

Randolph Woods Nature Preserve Public Opinion Survey

119	Restrictions to kids on bikes	4/26/2020 11:51 AM
120	How there are jumps constantly being built and torn down, which makes it dangerous. For example, if I was biking around a turn and I expect a jump to be there/not there am it is the opposite, I could hurt myself. I feel as though if bikers and the borough could work together, it could be safer for walkers and bikers.	4/26/2020 11:50 AM
121	nothing	4/26/2020 11:45 AM
122	That we as a Boro are trying to make an open space into something it's not or something we don't need. If we needed it to be something more it would be clear. Until it's extremely clear what this should be please do nothing.	4/26/2020 11:43 AM
123	Signs that say no biking	4/26/2020 11:41 AM
124	No one knows it's there	4/26/2020 11:37 AM
125	I would love to see a map of the trails posted at the site so that I had an overview of where the trails lead.	4/26/2020 11:35 AM
126	Not kept up	4/26/2020 11:34 AM
127	1) Poor condition of vegetation, including high number of invasive species (barberry, border privot, etc.) and vines. 2) Poor trail signage for those new to the park. 3) Large amount of maintained grass areas that is underutilized. Switch most of grass to meadow since this is an Audubon bird area, correct?	4/26/2020 11:21 AM
128	trails are overgrown	4/26/2020 11:13 AM
129	nothing	4/26/2020 11:13 AM
130	Unmarked trails.	4/26/2020 11:08 AM
131	Some of the trail conditions	4/21/2020 11:30 PM
132	Honestly, it feels secluded/creepy when you enter from Rutland, past the industrial buildings.	3/23/2020 8:18 PM
133	I wish that it were bigger	3/23/2020 7:12 PM
134	Inviting any and anyone down with no phsycial surveillance	3/23/2020 4:57 PM
135	Entrance near public works area.	3/23/2020 4:33 PM
136	I do not like the man-made jumps for bikers. Biking should be restricted from the park.	3/23/2020 4:06 PM
137	other people	3/16/2020 10:30 AM
138	lack of lighting at night, trails are not well marked	3/4/2020 4:28 PM
139	The invasive vines taking over.	3/4/2020 9:49 AM
140	the flooding in the area between the water house and the nearest footbridge but it's a floodplain so it should stay that way. Maybe a raised wooden walkway from the parking lot?	2/24/2020 7:36 PM
141	needs better signage /accessibility - a trail to walk there or better entrance	2/22/2020 10:25 AM
142	The fact that I & my family did not know that it was available for public use.	2/10/2020 8:01 AM
143	The fact we cant walk there safely or in a nice environment.	2/9/2020 7:16 PM
144	nothing	2/9/2020 12:28 PM
145	Finding garbage	2/8/2020 10:58 PM
146	Small	2/8/2020 10:24 PM
147	Unleashed dogs.	2/8/2020 5:31 PM
148	Restrictions on bikes	2/8/2020 9:24 AM
149	The trash from people.	2/8/2020 9:12 AM
150	Too small, trails too short, no bathrooms.	2/8/2020 9:02 AM
151	NA	2/8/2020 8:42 AM
152	No sidewalks to get there	2/8/2020 5:06 AM
153	Lack of maintenance Limitations on biking	2/7/2020 9:41 PM
154	The fence keeping people out of the religious compound	2/7/2020 8:28 PM
155	Trails need maintenance	2/7/2020 7:19 PM
156	Poison ivy, poorly maintained trails	2/7/2020 7:06 PM

Randolph Woods Nature Preserve Public Opinion Survey

157	Overgrown trails	2/7/2020 3:14 PM
158	Phragmite	2/7/2020 12:12 PM
159	N/A	2/7/2020 12:01 PM
160	Biking is apparently not allowed.	2/5/2020 5:12 PM
161	Poorly marked trails and overgrowth.	2/3/2020 1:44 PM
162	dumping by adjoining property owners	2/2/2020 3:07 PM
163	I feel like its unkept and not as welcoming as it could be.ive lived in the borough my whole life & only found out about it in the last few years by accident	2/2/2020 11:00 AM
164	I think it's perfect the way it is:-)	2/1/2020 11:21 PM
165	Lack of security/ too far away from help in event of emergency	2/1/2020 2:44 PM
166	The trails are rough and overgrown.	2/1/2020 9:07 AM
167	Needs ecological help	2/1/2020 7:41 AM
168	Not many people know about it	2/1/2020 12:45 AM
169	New signage regarding no mountain bike	1/31/2020 10:59 PM
170	It's a mess. Balance of leaving fallen trees VS maintaining like the Sepentine Preserve. If we don't haul out some of the mess and promote reasonable growing areas for new specimen trees, what's the point???	1/31/2020 9:23 PM
171	Losing the trails and not being sure of where I am.	1/31/2020 9:12 PM
172	limited trails	1/31/2020 7:07 PM
173	Currently not comfortable walking in alone.	1/31/2020 6:39 PM
174	Sometimes I'm nervous about the safety of the area. There have been a few times when a car was parked with someone sitting in it, and it made me feel uncomfortable. Also, people walking dogs off leash make me very nervous. My little dog is intimidated by bigger dogs and we've run into this situation a few times on the trails.	1/31/2020 3:04 PM
175	It's so close to where the Public Works facilities are that RW becomes a bit hard to find.	1/31/2020 1:30 PM
176	I don't know much about it.	1/31/2020 1:00 PM
177	Little known about it	1/31/2020 12:42 PM
178	Dirty and not well maintained.	1/31/2020 12:31 PM
179	Don't feel entirely safe when there	1/31/2020 12:13 PM
180	I love the old trees, shade, and quiet.	1/31/2020 12:04 PM
181	Walking by the Comcast facility and Borough garages to get to the Preserve	1/31/2020 11:43 AM
182	(Large) Trash in woods	1/31/2020 11:29 AM
183	Lack of bathroom facility.	1/31/2020 11:14 AM
184	the trails are a bit overgrown	1/31/2020 11:03 AM
185	greater conservation efforts, particularly given the prior use of the land	1/31/2020 10:39 AM
186	Mosquitoes	1/30/2020 11:26 PM
187	The lack of longer trails	1/30/2020 10:12 PM
188	The entrance needs improvements. Also, the fence and electricity pole around the pump house.	1/30/2020 2:10 PM
189	It's hard to know it's there.	1/30/2020 1:51 PM
190	There is a lot of trash in the upper part. Looks like the landfill dirt had a lot of glass in it	1/30/2020 12:59 PM
191	People not following leash law. Invasive species overgrowth.	1/30/2020 11:32 AM
192	Nothing	1/30/2020 11:29 AM
193	Lack of trails or signs for trails	1/30/2020 10:46 AM
194	Felt under maintained	1/30/2020 9:30 AM
195	There is no connector between Duffryn Trail and King St.	1/30/2020 9:01 AM
196	Not enough trail options	1/30/2020 8:04 AM

Randolph Woods Nature Preserve Public Opinion Survey

197	the road in	1/30/2020 8:00 AM
198	Protects deer which I have almost hit with my car many times on warren road.	1/30/2020 7:35 AM
199	ticks	1/30/2020 7:33 AM
200	Trash and bike damage	1/30/2020 7:32 AM
201	N/a	1/30/2020 7:21 AM
202	The trails could be kept up better.	1/30/2020 7:05 AM
203	Needs restrooms. Can get lost on trails.	1/30/2020 6:36 AM
204	The public works buildings are unattractive. Many people do not know the park is there.	1/29/2020 8:54 PM
205	No trail markers Too many invasive species	1/29/2020 8:06 PM
206	Main accessibility point - feels like I am trespassing	1/29/2020 7:59 PM
207	Nature has also taken a toll on the trails and they can be a bit overgrown and hard to decipher when it's spring summer. The picnic benches are starting to rot.	1/29/2020 7:22 PM
208	The awkward entrance noted above	1/29/2020 5:04 PM
209	The entrance. Needs better signage and accessibility	1/29/2020 3:29 PM
210	People changing it	1/29/2020 3:12 PM
211	Teen homemade BMX trail, trash	1/29/2020 2:45 PM
212	Your potential plans to change it. It doesnt need "improvements"	1/29/2020 2:25 PM
213	All the down trees. The trails need to be cleaned up.	1/27/2020 5:03 PM
214	Its small size	1/25/2020 12:10 PM
215	That biking is not allowed.	1/23/2020 12:34 PM
216	The decimation of the understory and the random ditches, holes, etc. that have been excavated by kids over the years. Also the extensive invasives that have gone unattended. My first priority would be fencing areas to reestablish an understory and combatting the invasives which is a neverending challenge but is great for community building. Also to continue to build out the riparian buffer with tree planting events along the stream.	1/23/2020 12:07 PM
217	Wish people would not disrespect the woods. This is an amazing resource that is being overused by bikers who have created serious issues now.	1/23/2020 9:18 AM
218	Biking is currently forbidden	1/23/2020 9:04 AM
219	Residential encroachment from eastern border, and invasive shrubs and vines.	1/23/2020 8:38 AM
220	It looks like it has attracted people who have defaced it. :(1/22/2020 10:19 PM
221	No biking signs, look of public works	1/22/2020 9:22 PM
222	Space currently isn't used enough (which will soon be fixed)	1/22/2020 9:11 PM

Q18 Please share any additional thoughts, comments, or ideas you would like to share about Randolph Woods Nature Preserve

Answered: 142 Skipped: 323

Randolph Woods Nature Preserve Public Opinion Survey

#	RESPONSES	DATE
1	I think any improvements are a good idea, as long as they coexist and maintain the general wild wooded nature of the current preserve.	6/15/2020 9:10 PM
2	It really is a great space and not many people know about...with some enhancement it could be really special	6/2/2020 9:54 AM
3	The greater Malvern area has an abundance of preserved land where walking trails are available. There are very limited areas where children can safely bicycle while also getting the experience of trail riding. This location is ideal for many children to access - even bike to from their homes.	5/25/2020 8:42 PM
4	Clear trail marks are always valued.	5/25/2020 5:56 PM
5	Allow bikes	5/24/2020 8:28 AM
6	It should allow bikes	5/24/2020 6:19 AM
7	Please consider allowing children to bike on the trails. It will be great asset to the community.	5/23/2020 10:56 PM
8	The trails are ideal for low key mountain biking . My kids were in those woods all the time when we lived adjacent and now we have to bike to get there. Too far to walk, but you can't ride there anymore. That was a dumb idea. No one is in there except jerks who don't pick up their dog waste.	5/23/2020 9:27 PM
9	Should have bike course (ideally single track)	5/23/2020 12:20 PM
10	let us make mtb/bmx trails and jumps!!!	5/19/2020 10:42 PM
11	Leave the woods alone	5/19/2020 10:07 AM
12	Pump track	5/15/2020 12:01 AM
13	We need a pumptrack	5/14/2020 10:27 PM
14	I think the park is wonderful, but would benefit from culling the invasive plants (naturally) such as barberry and planting edible landscaping such as fruit trees or berry bushes.	5/12/2020 11:54 AM
15	Would love to allow bike riding there.	5/11/2020 12:06 PM
16	please mark some trails for biking or add some biking trails to the preserve	5/10/2020 8:33 PM
17	Make Malvern and Willistown more walker friendly with sidewalks to Randolph Woods From General Wayne	5/10/2020 4:28 PM
18	A bike trail would be nice for kids/ adults!	5/10/2020 10:00 AM
19	For so long Randolph woods has lived in harmony with people and the deer. No need to change	5/9/2020 8:20 PM
20	Please don't close it off for 50 years that is one of the few places I can run and get exercise and it is such a nice space	5/9/2020 6:55 PM
21	Biking should be allowed	5/9/2020 1:54 PM
22	I don't understand why bikes were prevented from using the trails. Please let kids be kids. They need a place to explore and have fun.	5/9/2020 12:58 PM
23	Again, I think biking should be allowed...maybe with designated trails	5/9/2020 11:34 AM
24	Consider a bike specific trail	5/9/2020 11:34 AM
25	Let kids (and adults) ride bikes! What is the point in having nature preserves if you can't use them?? It seems that determining how people can use the outdoors is a faulty thinking. This is especially important with COVID. Once we and more importantly, our children, finally can roam safely again, they NEED to be outside playing and biking is part of play. How can we in good conscience so narrowly define how outside can be used? We are talking about outdoor activities and we have a responsibility to provide our children with every possible opportunity to be outside in a safe way. And riding on the street is NOT safe and riding a paved trail by Target is good to have but misses the entire point.	5/9/2020 10:17 AM
26	Whatever you can do to save the land and get rid of bikers	5/6/2020 10:04 PM
27	There is a lack of safety due to bikers destroying trains for personal gain	5/6/2020 9:47 PM
28	It would be good to keep it as natural as possible, keep the woods in place...avoid use of herbicides, pesticides etc	5/5/2020 12:04 AM
29	There needs to be information for the public that describes the easement and why it is under an easement so that people are aware of what this land is and it is more than just a woods for them to vandalize. There is encroachment from Willistown neighbors that has been ongoing since the	5/4/2020 12:10 PM

Randolph Woods Nature Preserve Public Opinion Survey

easement was placed on the land with no consequences. The public works department should not be allowed to use the land for dumping or storing their materials. By using similar methods that Willistown Conservation Trust uses for the other preserves such as boards that describe the land (head waters of Crum Creek etc.) and rules to follow at the entrance to the area would help raise the level of respect from the public that visits Randolph woods. Renaming it Randolph Land Preserve instead of just Randolph Woods may help.

30	We LOVE Randolph woods. Great place to take the kids and dogs. We live in town and it's nice to be able to get into the woods in less than five minutes from our house.	5/3/2020 11:28 AM
31	Kids/adults need a safe place to bike in the borough besides roads.	5/3/2020 8:16 AM
32	Taking down the signs for no biking	5/1/2020 8:54 PM
33	Biking	5/1/2020 11:45 AM
34	I really think a disc golf course would be great here	5/1/2020 9:00 AM
35	The idea of deer fencing saddens me. We love looking for them in the woods, and blocking them out would be disappointing.	5/1/2020 12:44 AM
36	The woods are a place to reflect and think. So close to town yet you feel a million miles away.	4/30/2020 8:23 PM
37	lets not turn it into a park... it's a preserve	4/30/2020 8:19 PM
38	keep nature the way it is!	4/30/2020 8:02 PM
39	Please preserve the quietness	4/30/2020 7:56 PM
40	Giving these economic times many of these initiatives seem very frivolous	4/30/2020 7:37 PM
41	I think we should leave Randoff world as is. There are plenty of other places right in the borough to picnic and play grounds for children,	4/30/2020 7:36 PM
42	I think children should be able to safely mountain bike in a designated area.	4/30/2020 7:32 PM
43	Allow mountain bikers	4/30/2020 6:34 PM
44	Allow bikes. No signs. Nothing but dirt paths.	4/30/2020 5:50 PM
45	We love the trails here and this is a great cut through for young adults traveling from Paoli to Malvern. My sons rode their bikes through here for many years in order to get to friends' houses in Paoli. Bikes should be allowed since the alternative is riding on busy King or Paoli Pike! Thank you!	4/30/2020 2:56 PM
46	Kids on bikes should be allowed in Randolph Woods	4/30/2020 12:55 PM
47	I think the kids should be allowed to bike on the paths. They need a place to do this in the borough.	4/30/2020 12:45 PM
48	Any type of fencing to keep animals in/out defeats the point of a preserve. Adding in buildings or places for events will disrupt the animals living there.	4/30/2020 12:41 PM
49	Deer fencing is a bad idea for the reserve and neighbors - let the heard and wildlife roam	4/30/2020 11:34 AM
50	Stopping wasting money on it	4/30/2020 8:43 AM
51	Why the "no biking"? It's an awesome mountain biking trail that encourages physical fitness. Plenty of room for walkers and bikers. It's a small town trail so not much traffic. Don't see why pedestrians and bikers can't co-exist on the trail.	4/29/2020 10:05 PM
52	Why have bikes been disallowed?	4/29/2020 8:50 PM
53	This is a neighborhood park that doesn't seem to welcome kids especially those on bikes. Biking on the roads in the township is dangerous and this is a safe alternative for many kids	4/29/2020 7:52 PM
54	Let bikes in!	4/29/2020 7:35 PM
55	There are kids of preserves and nature areas in PA and Delaware that foster stewardship of the land AND allow biking. Let's do it Malvern!	4/29/2020 1:50 PM
56	We need additional areas to allow biking which is a wonderful activity that keeps the whole family active and outside, rather than kids playing video games or getting in trouble.	4/29/2020 10:21 AM
57	I ask that decision makers keep an open mind with regards to the concept of sharing trails (hikers and mt bikers). I believe the term mountain biking is misunderstood. MTB culture takes trail stewardship seriously. We organize regular trail maintenance and park clean up days to give back, even in locations where we don't ride. We feel this positive activity helps get kids off of devices and outside and supporting the pillars of Strong Body, Strong Mind, Strong Character, Inclusivity, and Equality). Thank you for your consideration.	4/29/2020 6:46 AM
58	Designate for biking	4/28/2020 3:28 PM

Randolph Woods Nature Preserve Public Opinion Survey

59	I would like to see this preserve serve as an example of how to restore our natural areas and create more sustainable local environments.	4/28/2020 2:05 PM
60	We use Randolph Woods just about every day. We walk our dog there, and hike with our family there. We really enjoy how natural it is I would not appreciate a lot of changes To make it more like a traditional park. I don't want any areas to be paved if they aren't currently paved and would rather not see a lot of benches installed. Let's leave as much of the natural growth there as possible. We would be absolutely thrilled to help with the forest maintenance, waste cleanup, and any stream study or other kinds of studies done in the woods.	4/28/2020 1:28 PM
61	Keep it a quiet place, with only a smallish pavilion for group picnics. Don't make it another city park with swing sets, etc.	4/28/2020 9:48 AM
62	I would really like to mountain bike in the preserve. Mountain bikes can coexist with hikers. A good example of this coexistence is the Wissihickon park in Philadelphia.	4/28/2020 8:43 AM
63	i didnt even know this space exisited for the first 5 years i lived in the boro	4/28/2020 8:14 AM
64	Thanks for survey	4/27/2020 11:21 PM
65	Keep it simple	4/27/2020 1:19 PM
66	Widening the trails almost impossible to walk/social distance with how tight they are.... keep pants cut back there were poison ivy plants starting to creep into trail	4/27/2020 1:18 PM
67	Creating a safe outdoor recreation area for our children on whether on two wheels or two feet. Pump Track, MTB trail rehabilitation	4/27/2020 9:40 AM
68	I wouldn't like to see too much development of the preserve; keep it simple.	4/27/2020 8:34 AM
69	It would be great to connect Randolph Woods to the Retreat, though that might not be possible. Also, a path along the creek to a gate at Paoli Pike would be nice.	4/27/2020 7:59 AM
70	Before this survey, I did not know the park existed. I look forward to visiting.	4/27/2020 4:29 AM
71	I love the idea of more space in the Boro for trails and preserved space to enjoy nature!!! Would love some off leash space for our Boro dogs!	4/26/2020 5:30 PM
72	opens up to kids with trash and drugs.	4/26/2020 4:55 PM
73	Would love for there to be space avail for small primitive camping. I think ideally it would be best maintained by permit, and for a nominal fee, and possibly limiting guests to 1 night. Most certainly pack it in, pack it out, leave nothing behind, type of policy. Thinking this would be nice for local families with young children a chance to 'try' camping so close to home.	4/26/2020 1:57 PM
74	make a paved walking path creating a loop that is marked with distance	4/26/2020 1:56 PM
75	Don't wish the space to become overcrowded. It's nice as a small local preserve	4/26/2020 1:18 PM
76	Leave it as is	4/26/2020 12:51 PM
77	Please don't turn it into a facility that attracts lots of people. Especially those that will ruin its natural beauty and peacefulness	4/26/2020 12:45 PM
78	Allow biking	4/26/2020 12:24 PM
79	It would be nice to have a Dedicated bike course With some challenges amount the trails.	4/26/2020 12:20 PM
80	ALLOW BIKING IN RANDOLPH WOODS	4/26/2020 11:57 AM
81	There are many nature areas and preserves in PA that successfully open their areas to multi use. Randolph Woods should foster a relationship with the biking community to maintain trails, steward the area and ride responsibly. Prohibiting access to bikes is unnecessary, and quite honestly, futile. Malvern is home to kids with bikes and kids will ride in the woods.	4/26/2020 11:51 AM
82	Having one designated spot for dirt jumps or a pump track. That could keep the woods more clear for walkers as there would be no need for jumps there, and the jumps don't have to be frequently torn down. I saw a nice clear area on the side of the gravel road beyond the parking lot that had 2 bird houses. The grass is a really good area to dig because there is little/no roots there. If we can have this spot or another spot to build things, there could be less maintenance needed in that area and on the trails.	4/26/2020 11:50 AM
83	Thank you for doing this!	4/26/2020 11:34 AM
84	Meet people where they are and allow them to use the space as they have been	4/26/2020 11:32 AM
85	1) Overall, we weed better organization of trail maintenance days to cut vines and remove invasives. 2) Given the small size of the park and typical short visit length by patrons that I have observed, I do not see a need for additional parking or creation of any additional impervious area, particularly in a sensitive headwaters area.	4/26/2020 11:21 AM
86	The historic house could have some info what it is, and there could be better access for more	4/26/2020 11:13 AM

Randolph Woods Nature Preserve Public Opinion Survey

	trails.	
87	Plan to utilize more of the space for trails. What is the mountain biking policy?	4/21/2020 11:30 PM
88	I have never been to the Randolph Woods Nature Preserve, didn't even know it existed until I read about the survey. I'm very pleased to learn about it and visit there with my young family this summer! Excited to have so much nature near by.	4/13/2020 2:34 PM
89	once improvements have been made a publicity campaign advertising the area should result in greater use.	3/27/2020 11:20 AM
90	Thank you for preserving this valuable land for all to enjoy!	3/23/2020 8:18 PM
91	Don't screw it up with over development. Remember it's a woods.	3/23/2020 7:12 PM
92	As mentioned	3/23/2020 4:57 PM
93	I used to to walk at Okehocking Preserve a lot. Maybe 3-4 times per week. I absolutely loved it. Then the township changed it into a "Nature Preserve." In my view it added absolutely no value. Keep these natural spaces as it except for trail maintenance.	3/13/2020 12:53 PM
94	dog park	3/4/2020 4:28 PM
95	it should be combined with the Malvern Retreat forrest we should have municipal leaf composting at the entrance instead of trucking leaves each Fall	2/24/2020 4:09 PM
96	There is no way to bike there from the Willistown area. We would love to see double wide biking sidewalks.	2/10/2020 8:01 AM
97	Could a dog park be included on either side?	2/9/2020 7:16 PM
98	Should be an off leash dog park	2/8/2020 10:58 PM
99	Please place signs at the base of public entrance and exit paths.	2/8/2020 11:30 AM
100	Meet people where they are with what they are already doing.	2/8/2020 9:24 AM
101	Please leave as is. Do not over develop	2/8/2020 5:06 AM
102	This is a wonderful area for mountain biking. Developing some biking trails and a pump track would be a great addition to the area.	2/7/2020 9:41 PM
103	Would love to have our Girl Scout troop contribute to natural classroom or trail education signage.	2/7/2020 7:06 PM
104	N/A	2/7/2020 12:01 PM
105	Our residents complain about kids frequently but also do not provide outdoor spaces where they can partake in agreeable activities that they enjoy, such as mountain biking. Adding bike trails to the preserve would be a wonderful addition for our young residents.	2/5/2020 5:12 PM
106	fishing, picnic area, bathrooms, signage, info about what lives in the woods etc...	2/2/2020 11:00 AM
107	Parking area is underused, so don't see need to expand it. Would prefer not to make it an "event space" since that could become exclusionary and disruptive to the natural quiet and peaceful area.	2/1/2020 9:07 AM
108	We have 'large' parks that are wonderful destinations. Let's keep this park mor low keyed and push more for a rustic, local spot	2/1/2020 7:41 AM
109	Please allow for bikes in Randolph Woods	1/31/2020 10:59 PM
110	Use your heads and Don't wast our money. Intelligent community that needs professional hired gun for balanced recommendations. This has taken way to long as it is to make some simple improvements!	1/31/2020 9:23 PM
111	It's a great spot! I'm glad to hear there will be improvements made. More people will hopefully make the spot safer.	1/31/2020 3:04 PM
112	Improve signage.	1/31/2020 1:00 PM
113	The more it can be maintained in a natural but clean manner the better.	1/31/2020 12:31 PM
114	I use Randolph woods every week and really enjoy the wildlife and peace. I feel the park needs more protection for preservation and better trail maintenance (drainage and markers).	1/31/2020 12:08 PM
115	I would love to see thought given to the ongoing health of the forest and managing for species succession.	1/31/2020 12:04 PM
116	I don't think that many people know about it.	1/31/2020 11:36 AM
117	would love to see more community activities	1/31/2020 11:03 AM

Randolph Woods Nature Preserve Public Opinion Survey

118	If parking must be added, can it be kept at the top of the hill near public works? Away from the woods.	1/31/2020 10:49 AM
119	It would be wonderful to have a trail that paralleled Warren ave so we could bike there.	1/30/2020 12:30 PM
120	see above	1/30/2020 11:40 AM
121	We are so grateful to have this amazing resource in our community! Would love to see it enhanced and maintained more closely with interpretive education.	1/30/2020 11:32 AM
122	It's just a really nice little spot . Leave it be. It's peaceful and quiet.	1/30/2020 11:29 AM
123	Sidewalks leading up to the Preserve from Willistown	1/30/2020 10:46 AM
124	Accessibility needs to be improved	1/30/2020 9:30 AM
125	please dont over construct something. I've also heard talk of a dog park. Please consider that dog parks a city thing and not everyone has a dog.	1/30/2020 8:00 AM
126	I've been a Malvern resident my whole life, 40 years. My wife and I live in one of the homes at the entrance to the trail on Duffryn Ave. we would not like to see much change at this entrance to the park. Duffryn Ave is already used as a 'cut through' street by non residents and it gets worse every year without having to contend with features that would make the street more popular. There are 15 children on this street. All of the kids and their families love Randolph, just don't want it to develop at the risk of safety.	1/30/2020 8:00 AM
127	My son is looking for an eagle Scout project, please reach out to me.	1/30/2020 7:35 AM
128	I think we should leave it alone for the most part.	1/30/2020 7:33 AM
129	No Mountain Biking	1/30/2020 7:32 AM
130	I think Randolph Woods is too small a park too have lots of things added. It is just a small community park and while improvements could be made (more wildlife additions) I hope it retains its simple, natural feel.	1/30/2020 7:05 AM
131	Thank you.	1/29/2020 8:54 PM
132	This is a great treasure of the township and should be maintained and lightly upgraded but not overdeveloped	1/29/2020 7:22 PM
133	None	1/29/2020 3:12 PM
134	It is a gem	1/29/2020 2:45 PM
135	Leave it alone	1/29/2020 2:25 PM
136	I didn't even know this was a park nearby. I think more public awareness of the space would be a great thing because my family would have been enjoying this a long time ago.	1/29/2020 1:36 PM
137	I think if the trails were upkept better the kids and people would visit more and enjoy the space better.	1/27/2020 5:03 PM
138	Though i live in Willistown, we are frequent users of Randolph Woods. It boggles my mind that biking is prohibited. Before the "no biking" signs went up, my son and his friends were meeting there multiple times a week to spend time together riding. He could ride there himself, and would spend the whole afternoon/evening outdoors in nature getting exercise. He was so happy & I was so happy he wasn't at home sitting on electronics. Randolph woods is also situated between my home in Willistown and my older son's friends who live in the borough. He is 13 and able to go to his friend's houses on his own. Riding his bike through Randolph Woods is the SAFEST way for him to get to his friend's houses. I do not want him riding down King Street. We have almost been hit by vehicles on many occasions just walking down King. I also have ridden my bike in Randolph Woods with my kids. It's a great time. Also when my husband and son marched in the memorial day parade, i rode my bike from my house in Wtown, through Randolph Woods and out to a spot on King Street. It was so much easier and less hassle to watch the parade than driving and trying to find a parking spot or riding my bike down king (which would've put me behind the parade and unable to see anything). When my youngest (8yo) wanted to do the GoWilma in the woods, my 13 & 11 year olds brought their bikes and rode around while we hunted for the signpost. Fun was had by all. There are so many kids in the borough and willistown who could utilize this wonderful part of nature in their own backyards if it wasn't considered a criminal activity to ride by the town. I know a lot of residents in Willistown and the borough actively participate in trail clean up days at Harmony Hill, Brandywine, and Marsh Creek trails and they would happily contribute to help with trail maintenance in randolph Woods.	1/23/2020 12:34 PM
139	I would not be in favor of widening the access road or installing a sidewalk. Some of us have been promoting the idea that the outer edges of the Borough including 1st and 2nd Aves should not have sidewalks which provides a natural merge to the more rural parts of the Borough (RW, the Retreat House, Malvern Prep and the Battlefield). This is characteristic of the memorable towns people seek out both abroad (European towns) and here in the States (Carmel, CA).	1/23/2020 12:07 PM

Randolph Woods Nature Preserve Public Opinion Survey

Sidewalks should be like spokes of a wheel, leading into the center of town, but on the outskirts they are unnecessary. An amazing number of people choose to walk on 1st Ave (no sidewalks) when a short block north, they would have a pavement. It's a choice they make because it has a more natural feel, more canopy overhead, etc. The entrance to Randolph Woods should be as natural as possible rather than feel like a continuation of the urban scape. There is not a traffic issue---we're talking a handful of cars a day so pedestrians can walk on the road, under the arching canopy, and if necessary, can step onto the verge for the rare car that will need to pass. Use the money you save by not putting in sidewalks and not widening the road to put up deer fencing. Also, please no lighting installations. Keep RW as the only truly dark landscape open to the public in the Borough. The wildlife and those with their eyes to the sky at night will thank you!!

140	With proper contingency and education, biking can be included as passive recreation and the biking community can offer a deep pool of volunteers and trail stewards	1/23/2020 9:04 AM
141	If an alternative space can be arranged for items stored in the old pump house, the building could be converted into a little history museum about the borough's original water supply (and related environmental themes).	1/23/2020 8:38 AM
142	It would be nice to know how the most urgent needs in preserving the land interface with how people want to use it to see if there is any crossover--it would seem preservation of it would be top priority.	1/22/2020 10:19 PM

Date: December 20, 2019

Chris Bashore, Malvern Borough Council and the Parks and Recreation Committee
1 East First Ave.
Malvern, PA
19355

Hello Mr. Bashore, Council Members and Committee Members,

We are a group of kids and parents who live and ride bikes in Malvern.

Our goal is to ride bikes in a way that is SAFE for kids and fosters a deep appreciation and respect for our community, specifically our parks, our open spaces and the families that use them.

We recognize and value the natural resources that exist in the community including preserved land, and wish to work in collaboration with existing organizations to protect and preserve the unique and complex ecological areas within the Malvern boundaries. We commend the work done by the Randolph Woods Ad Hoc Committee and others to evaluate the existing areas within the community. Our goal aligns firmly with the mission to promote natural resource conservation and land stewardship.

To accomplish this goal, **we propose to volunteer our time and sign a covenant of proper trail use in exchange for permission to ride without fear of criminal charges.** Other surrounding communities have been able to accomplish a shared process for maintaining and utilizing open space. Many of the below signatories attend local schools and value the preservation of open space as a way to not only grow and develop but also volunteer to give back to our community.

We would be happy to work with appropriate parties to establish the specifics of this agreement; some of the conditions include the following

1. Refrain from any destructive earthmoving and removal of vegetation.
2. Avoid and prevent activity that damages tree roots and causes erosion.
3. Communicate to the borough any specific issues that need addressed such as downed trees, vandalism.
4. Volunteer a minimum number of hours (as agreed upon by the borough and Malvern Trail Works) to contribute to the maintenance and improvement of the current trails. This includes but not limited to removal of trash and debris, removal of pre-identified brush and potentially problematic and invasive vegetation.



We understand that the by laws, as they are currently interpreted allow only for passive recreation and that biking is technically considered active recreation. We also recognize that mountain biking may hold with it negative connotations associated with destruction and misuse. We hope to correct those understandings and work in partnership as has been done in surrounding areas such as Tredyffrin-Easttown and Downingtown.

People have been and will continue to ride in the woods and we would propose we enter into an agreement to do so respectfully and with permission. We recognize that dog walkers, bird watchers and other outdoor enthusiasts also utilize the established trail networks and we value them as partners in this endeavor as we work to continue to invest in the resources that are uniquely Malvern.

Thank you,

Sincerely,

Malvern Trail Works Families:

Clancy, Kiely, Snyder, Leary, Hinkley, Lowe, O'Neil, Song, Scott, McGuire, Dembrack, Scott, James, Georgopoulos



We, the undersigned, propose to volunteer our time and sign a covenant of proper trail use (to be defined in conjunction with Malvern Borough and any relevant committees) in exchange for permission to ride bikes in the woods without fear of criminal charges.

HARMONY HILL NATURE AREA MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding ("MOU"), dated as of September 15, 2017, is between the East Bradford Township (the "Township") and the Chester County Trails Club and the West Chester Cycling Club (collectively the "Volunteer Groups").

Purpose

The purpose of this MOU is to establish a framework of cooperation upon which mutually beneficial work projects and recreational activities may be planned and accomplished by the Township and the Volunteer Groups at the property identified as Chester County UPI No. 51-2-9, containing approximately 238 acres, and located in East Bradford Township, Pennsylvania and commonly referred to as the "Harmony Hill Nature Area" (the "Property"). This MOU constitutes a guide to the intentions and policies of the parties involved, and, except as set forth under the heading "Miscellaneous", this MOU is not a legally binding contract.

General Understanding

The Volunteer Groups will actively participate in the design, construction, and maintenance of one or more designated natural surface trails on the Property for the purpose of hiking, bicycling, and horseback riding (the "Trails").

The Township will permit full public access to the Trails.

Responsibilities

1. The Volunteer Groups may enlist the help of other local cycling and hiking groups and other recruits (the "Associates") on this project.
2. The Volunteer Groups and/or Associates will work together with the Township in connection with the design of the Trails.
3. The Volunteer Groups and/or Associates will construct the Trails on the Property using volunteers' and club tools in accordance with the trail plans agreed upon by the Volunteer Groups and East Bradford Township. Trail work may include the following: corridor clearing, tread improvement, water control techniques including the installation of grade dips and other diversion structures, building crib walls and rolling crown switchbacks as needed, bridge building where needed, culvert installation, installation of steps, both rock and/or timber, using guide structures to keep users on the trails, signing of trails, armoring and/or hardening of creek crossing approaches and other sensitive and soft areas, restoration of retired trails and the building of turnpikes and rocked-causeways.
4. The Township will provide full access to the Volunteer Groups and Associates for the purpose of constructing and maintaining the Trails.
5. If necessary and possible, the Township will provide a securable place on or near the Property to stow the Volunteer Groups' tools when they are not in use.
6. The Township will permit hiking, biking, and equestrian access on designated Trails (some trails may not permit one or more uses).

7. The Volunteer Groups may access the Trails at various times, including evenings, for inspection or other purposes.
8. The Volunteer Groups and the Township will jointly work together to create signage and/or brochures promoting "Rules of the Trail" and "Leave no Trace" policies.
9. The Volunteer Groups will provide their own occurrence insurance in the amount of at least \$1,000,000.00 (one million dollars) and their own aggregate insurance in the amount of \$2,000,000.00 (two million dollars)

Miscellaneous

1. Nothing in this MOU shall obligate the Volunteer Groups or the Township to incur any expenses or to enter in any contract or other obligations. Neither party is assuming any liability by entering into this MOU. To the fullest extent permitted by law, neither party shall be liable to the other party or any other person or entity for any loss, damage or claim incurred by reason of any act or omission performed or omitted by any party hereto or by any other person or entity in connection with any matter contemplated by or relating to this MOU.
2. If the property rules and regulations are significantly and continuously violated in such a fashion so as to endanger the health, safety, and/or welfare of trail users, the Township may discontinue one or more of the permitted uses on the property without 90-day written notice to either party ("Immediate Termination").
3. This MOU may be modified or amended upon written consent of both parties or may be terminated with 90-day written notice of either party (unless Immediate Termination is warranted). Unless terminated, this MOU will remain in force and effect until September 30, 2022, at which time it will be subject to review and renewal.
4. In consideration of the time and expenses incurred by the Volunteer Groups in constructing the Trails, the Township agrees to continue to permit full public bicycling and hiking access to designated Trails until September 30, 2022 so long as the volunteer groups continue to adhere to the understanding and responsibilities described herein, notwithstanding any prior termination of this MOU (unless Immediate Termination is warranted).

IN WITNESS WHEREOF, the parties hereto have executed this MOU as of the date first-written above.

East Bradford Township

By: 

Name: RICHARD A. PHIFER

Title: DIRECTOR OF PROPERTY AND RECREATION

Address: 666 Copeland School Road, West Chester, PA 19380

Primary Contact Name: Rich Phifer

Primary Contact Title: Director of Property and Recreation

Primary Contact Phone Number: 610-436-5108

Chester County Trails Club

By: George P. March
Name: GEORGE P. MARCH
Title: PRESIDENT, CHESTER COUNTY TRAIL CLUB
Address: P.O. Box 2056 WESTCHESTER, PA 19380-0081
Primary Contact Name: AS ABOVE
Primary Contact Title: AS ABOVE
Primary Contact Phone Number: 610.745.2452 (C)

West Chester Cycling Club

SEE DUPLICATE PAGE

By: _____
Name: _____
Title: _____
Address: _____
Primary Contact Name: _____
Primary Contact Title: _____
Primary Contact Phone Number: _____

By: _____

Name:

VIKTOR OHNJEK

Title:

PRESIDENT

Address:

PO Box 870, West Chester PA 19381

Primary Contact Name:

Primary Contact Title:

Primary Contact Phone Number:



WILLISTOWN CONSERVATION TRUST

May 6, 2020

Mr. Christopher Bashore
Malvern Borough Manager
1 East First Ave., Suite 3
Malvern, PA 19355

Re: Mountain Biking at Randolph Woods in Malvern Borough

Dear Chris:

I am writing to provide feedback and state the Trust's position regarding your recent inquiry concerning the use of mountain bikes in Randolph Woods. As you know, approximately 38.20 acres of Randolph Woods' 41.76 total acres are subject to the terms of a conservation easement granted to the Willistown Conservation Trust Inc. by Malvern Borough on September 18, 2001. The portion of the property covered by the easement is known as the Conservation Easement Area (CEA) and possesses significant natural, scenic, recreational, open space, and water resource values (the easement's "Conservation Values").

Specifically, Paragraph 3 of the easement limits activities on the CEA to those "which can be carried out with little or no alteration or disruption to the natural features of the land on which they take place ("Passive Recreation"). Examples of such activities include walking, jogging, picnicking, birdwatching, (horseback riding), overnight camping when organized by an educational organization, and nature study; and activities serving to preserve, restore, enhance or maintain habitat areas for native flora and fauna."

There is universal debate over whether mountain biking constitutes passive or active recreational use. Given the inevitable erosion issues mountain bikes cause on natural surface trails, the Trust considers mountain biking an active recreational activity which would conflict with the stated Conservation Values intrinsic to preserving the CEA in Randolph Woods. It is the position of Willistown Conservation Trust as well as Natural Lands, that mountain biking is not a permitted activity in nature preserves. Randolph Woods was intended to be just such a nature preserve. The point of placing a conservation easement on a piece of land is to protect its conservation values and natural resources for the future, not just to meet the needs of today.

Randolph Woods as you well know, is in a dire state of ecological decline. Without a massive effort to save the woods and restore ecological health to the landscape, it will not be a resource for future generations of Malvern residents. And while the temptation may be great to serve the demands of a segment of the present community (permitting mountain biking), this conflicts with the purpose of the easement to protect this land and ensure its existence for the future. The ramps, cuts, and other alterations to the trail will inevitably kill trees which are already declining. Damaging complex root systems is a sure way to aggravate the situation and accelerate tree mortality. The fact that these



For the preservation of the natural resources, rural character, and cultural heritage of the Willistown area

925 Providence Road · Newtown Square, PA 19073 · 610-353-2562 · wctrust.org

Willistown Conservation Trust is registered as a charitable organization. The official registration and financial information may be obtained from the Pennsylvania Department of State by calling toll-free, within Pennsylvania, 1-800-732-0999. Registration does not imply endorsement.

activities are already taking place is deeply concerning and will result in a violation which will be issued in the coming weeks.

In addition to the harm to the property's trails caused by mountain bikes, the combination of pedestrians (of all ages) and mountain bikers on the same trails found in Randolph Woods poses a significant safety concern, especially considering the narrowness of the property's trails and the numerous blind curves due to the density of the woodland. Typically, most mountain bikers seek natural areas to ride for the bumps, jumps, curves and downhill/speed opportunities that a paved public trail won't provide. From our perspective, mixing mountain bikes and pedestrians in this particular setting would inevitably lead to undesirable liability and safety issues for the Borough. Although safety is not a specific easement consideration, I imagine it is for the Borough.

Let me also address the easement's allowance for horseback riding as a permitted passive recreational activity, especially since the argument could be made that horses cause similar or more erosion and safety issues than someone on a mountain bike. First, we don't dispute that horses can cause significant trail erosion and damage. We have seen it in our own preserves. Second, the vast majority of the Trust's conservation easements allow for equestrian use on designated Trail Easement Areas; horseback riding has been and remains an important component of the Willistown area culture, and this language was likely included in the easement in recognition of this cultural heritage. Third, despite that the easement permits horseback riding as a permitted passive recreational activity, I question whether any horses have utilized Randolph Woods' trails in the past several years (if ever), and frankly, I would argue that they would potentially pose similar trail erosion/damage problems and conflicts with pedestrians as mountain bikes, especially in light of the very public nature of the property (and plans to increase public use of it). If in the future horseback riders showed interest in utilizing Randolph Woods, the Trust would most likely seek to rescind that language from the easement due to the impact they would have on the integrity of the trails and pedestrian/equestrian safety issues.

Best Regards,

Andrew J Kirkpatrick

Andrew J. Kirkpatrick
Director of Stewardship

THIS IS TO CERTIFY THAT THIS IS THE OFFICIAL MAP OF MALVERN BOROUGH REFERRED TO IN SECTION 1 OF ORDINANCE NO. 2017-01 OF MALVERN BOROUGH, CHESTER COUNTY, PENNSYLVANIA, ENACTED AND ORDAINED THIS 21ST DAY OF FEBRUARY, 2017.

BOROUGH COUNCIL
MALVERN BOROUGH

PRESIDENT
[Signature]

VICE PRESIDENT

MEMBER
Christian Arena

MEMBER

MEMBER
[Signature]

MEMBER

MEMBER
[Signature]

MEMBER

MEMBER
David S. [Signature]

ATTEST:

SECRETARY
Christopher [Signature]



LEGEND

- ① QUAKER LANE EXTENSION
- ② WALIN ROAD EXTENSION
- ③ PATRIOTS PATH TRAIL
- ④ PENNSYLVANIA AVE. DEDICATION
- ⑤ QUAKER LANE DEDICATION
- ⑥ GREENWAY TRAIL

OPEN SPACE LEGEND

- PARK
- OPEN SPACE
- HOME OWNERS ASSOCIATION OPEN SPACE



OFFICIAL MAP
MALVERN BOROUGH
CHESTER COUNTY, PA

DATE: 11/19/2015

ORDINANCE NO. 2017 – 1

**BOROUGH OF MALVERN
CHESTER COUNTY, PENNSYLVANIA**

**AN ORDINANCE RE-ADOPTING THE OFFICIAL MAP OF
THE BOROUGH OF MALVERN AS ORIGINALLY
ADOPTED ON DECEMBER 15, 2015 PURSUANT TO
ORDINANCE 2015-7**

WHEREAS, the Borough of Malvern (“Borough”), in accordance with Article IV of the Pennsylvania Municipalities Planning Code (“MPC”), seeks to adopt an Official Map of the Borough of Malvern; and

WHEREAS, the Official Map may include, but is not limited to, existing and proposed public streets, and widening and narrowings of the same; exiting or proposed public parks and open space reservations; and pedestrian ways and easements; and

WHEREAS, the sites show on the map have been identified for public needs, and are consistent with the Comprehensive Plan of the Borough; and

WHEREAS, the Borough Council has reviewed the draft official map of the Borough and desires to adopt the same as the Official Map of the Borough of Malvern; and

WHEREAS, on December 15, 2015, the Borough Council adopted Ordinance 2015-7 which adopted the same draft official map as referenced herein, but the same was not recorded within sixty days of enactment as required pursuant to 53 P.S. § 10402 (c); and

WHEREAS, the same draft official map was previously circulated to the Chester County Planning Commission and each adjacent municipality for comments in 2015 and remains unchanged; and

WHEREAS, the Borough Council seeks to complete the adoption of the same draft official map, including recordation, in accordance with applicable law via this Ordinance;

NOW, THEREFORE, IT IS HEREBY ORDAINED AND ENACTED AS FOLLOWS:

The Code of the Borough of Malvern is hereby amended by inserting Chapter 175 entitled “Official Map” by inserting the following Sections within Chapter 175:

1. **Adoption of Official Map.** The Borough hereby adopts as the Official Map of the Borough of Malvern the draft official map attached hereto as Exhibit A and incorporated here by reference.

2. **Effective Date.** This Ordinance shall become effective in accordance with the provision of the Borough Code of the Commonwealth of Pennsylvania.
3. **Statutory Authority; Purpose; Review; Hearing.** Article IV of the Pennsylvania Municipalities Planning Code ("MPC") authorizes the Borough to prepare and adopt an Official Map of the Borough showing existing and proposed public streets (including widenings and narrowings of the same), pedestrianways, public grounds, public parks, playgrounds, open space reservations, and other public lands and facilities. In accordance with the MPC, the Borough enacted has enacted this Ordinance adopting an Official Map, which Official Map was recorded in Plan Book _____, Page ____, in the Office of the Recorder of Deeds in and for Chester County, Pennsylvania. This Ordinance is enacted for the purpose of serving and promoting the public health, safety, convenience, and general welfare; to facilitate adequate provision of public streets and facilities; to improve traffic circulation; to provide for the recreational and open space needs of the community; to protect and enhance water resources; and to facilitate the subdivision of land and the use of land. The adoption of an updated Official Map will assist landowners in the determination of the uses and development of their lands within the Borough. The Borough has solicited reviews of the proposed Official Map from the Planning Commission of the Borough of Malvern, the Chester County Planning Commission, and the various planning commissions of municipalities which are contiguous to the Borough. Following the receipt of comments and recommendations from such bodies, Borough Council held a public hearing in accordance with the requirements of Article IV of the MPC.
4. **Nature of Official Map.** The official map includes existing and proposed public streets (including widenings and narrowings of the same), pedestrianways, public grounds, public parks, playgrounds, open space reservations, and other public lands and facilities.
5. **Recordation; Filing.** The Borough directs that under the adoption of this Ordinance, a copy of the Official Map of the Borough of Malvern, verified by the Borough Council, shall be submitted by the Borough to the Recorder of Deeds of Chester County to be recorded within sixty (60) days of the effective date hereof. Upon recordation, the Borough shall amend the references to the place or index of recordation as may be required in this Ordinance. The Borough Manager is further authorized to transmit certified copies of the Official Map to those entities required to be provided with copies by the MPC.
6. **Interpretation and Construction.** This Ordinance shall be interpreted and construed in accordance with and in order to be consistent with Article IV of the MPC. All actions of the Borough taken pursuant to this Ordinance or the Official Map adopted hereby shall be consistent and in accordance with Article IV of the MPC.

7. **Amendments.** The Borough retains the right to amend the Official Map adopted by this chapter from time to time by appropriate action of the Borough Council in accordance with the procedural requirements of the MPC as amended from time to time.
8. **Duties and Rights of Owners.** Those persons who own lands within areas show on the Official Map as proposed streets or highways, proposed trails or other proposed public areas shall be subject to the duties and shall have the rights set forth in Article IV of the MPC.
9. **Effect on Pending Plans.** The Official Map adopted by, or amended in accordance with, this chapter shall continue in force as to any preliminary or final plan with is pending action by the Borough Council at the effective date of this chapter.
10. **Acquisition of Properties.** The properties depicted as proposed property for acquisition for public purposes shall be reserved for future taking or acquisition for public purposes in perpetuity until actually acquired by the Borough.
 - a. The Borough may initiate surveys of property locations for the purposes of taking action to acquire.
 - b. Whenever land and easements are to be acquired pursuant to the Official Map, boundary descriptions by metes and bounds shall be made by a licensed surveyor.
 - c. Time limitations on reservations for future taking shall be in accordance with Article IV of the MPC as amended.
11. **Repealer.** Should any section or provision of this Ordinance be declared by the courts to be unconstitutional or invalid, such decision shall not affect the validity of any other section or provision of this Ordinance than the one so declared.
12. **Effective Date.** This Ordinance shall become effective upon enactment as provided by law and as described herein.

[SIGNATURES PAGE FOLLOWS]

Passed by Borough Council,

this 21 day of February, 2017.



David G. Bramwell, President

Approved by the Mayor,

this 21 day of February, 2017.



David B. Burton, Mayor

Enacted,

this 21 day of February, 2017.



Christopher Bashore, Secretary

*Borough of Malvern, PA
Tuesday, December 17, 2019*

Chapter 139. Parks and Recreation

[HISTORY: Adopted by the Borough Council of the Borough of Malvern 5-21-2003 by Ord. No. 2003-11 (Part 9 of the 1975 Code of Ordinances). Amendments noted where applicable.]

GENERAL REFERENCES

Parks and recreation administration — See Ch. **29**.

§ 139-1. Compliance required.

It shall be unlawful for any person, persons, firm or corporation to use any park or recreational area owned, leased or operated by the Borough of Malvern unless such person, persons, firm or corporation complies strictly with the provisions of this chapter.

§ 139-2. Unlawful acts.

- A. It shall be unlawful for any person, persons, firm or corporation using any park or recreational area owned, leased or operated by the Borough of Malvern to do any of the following:
- (1) To build, start, or cause to ignite any fire anywhere in said park or recreational area except in fireplaces provided for such purpose. Such fire shall be guarded at all times and shall be thoroughly extinguished before it is abandoned.
 - (2) To cut, mutilate, remove or destroy, in any manner, any trees, shrubbery, flowers, plants or other landscaping materials.
 - (3) To deface, mark, damage, remove or destroy any buildings, posters, fences, gates or guardrails or any other park property in any manner.
 - (4) To use intoxicating beverages or to be intoxicated and to use indecent language, to gamble or to conduct oneself in a disorderly manner.
 - (5) To solicit or engage in any type of commercial or for-profit activity, including offering items or services in exchange for compensation, except when the activity is part of a community event organized by the Borough, sponsored by the Borough, or otherwise sanctioned by the Borough as a community event, including but not limited to "Malvern's Victorian Christmas," "Malvern Blooms," "Malvern's Fall Festival for the Arts," "Malvern Gardeners' Market," and events organized by the Parks and Recreation Board. When commercial or for-profit activities are permitted during such events, the vendors must be registered with the organizing body, if any, and shall obey all guidelines established for the particular event.
[Amended 5-20-2008 by Ord. No. 2008-2]
 - (6) To dump on park or recreational area ground any and all dirt, fill, construction debris, wood, or any other such materials.

- (7) To engage in any activity that might cause harm to any environmentally sensitive areas, including but not limited to wetlands, stream banks, riparian areas, and other such areas.
- (8) To construct any building, fort, or other structure in the park or recreational area, including tree houses.
- (9) To excavate, remove or replace any soil, dirt or other terrestrial material to or from the park and recreational areas.
- (10) To remove, damage or destroy any and all historical artifacts.
- (11) To ride bicycles or any other wheeled nonmotorized mode of transportation in any areas but those designated for same.
- (12) To skateboard, roller blade or use a scooter or other similar device in any areas but those designated for same.
- (13) To use any device for the search or excavation of objects (i.e., metal detectors).
- (14) To be accompanied by dogs or to permit the entry of dogs, except when on a leash.
- (15) To be accompanied by any other animals or to permit the entry of any other animals into the areas.
- (16) To litter or place refuse or rubbish anywhere except in the appropriate trash container.
- (17) To park cars anywhere within the park or recreational areas except in places specifically designated for parking.
- (18) To operate any motor vehicle in excess of the posted speed limit or in any manner that evidences the lack of due care and regard for the safety of property or persons within said area.
- (19) To disobey any posted signs, warnings or prohibitions posted in any area of the park or recreational area.
- (20) To engage in any illegal activity within the park and recreational areas.
- (21) To swim or engage in any other activity in the water, except in places specifically designated for same.
- (22) To place any watercraft, including boats (with or without mechanical propulsion, including gas, electric or other types of propulsion), sailboats, canoes and kayaks in any body of water, of whatever size.
- (23) To engage in ice skating, ice hockey, or other activity on a frozen body of water, of whatever size.
- (24) To use the park and recreational area at any time before or after those hours posted conspicuously at the entrance of such areas, which such times may, from time to time, be changed by resolution of Borough Council effective immediately upon posting.
- (25) To use any park or recreational area when the facilities are designated for events organized by the Park and Recreation Board or the Borough Council, if such notice of events is posted conspicuously at the entrance of the park.

(26) To use any tobacco products in Quann Memorial Park, Theodore S. A. Rubino Park, Randolph Woods or Burke Park in the Borough of Malvern, which parks have been designated tobacco free.

[Added 6-19-2012 by Ord. No. 2012-5]

- B. In order to ensure that the park and recreational areas are accessible and available to all members of the public who wish to use them, and in order to limit one group from monopolizing the park and recreational areas, it shall be unlawful to have any organized groups greater than five individuals in number use the park and recreational areas unless a permit therefor is applied for and first obtained from the Borough Manager, with the right to appeal a denial of such permit to the Borough Council within 10 days of such denial. If requested, the Borough Council will hold a hearing within 15 days of such request for same.

§ 139-3. Violations and penalties.

[Amended 5-2-2006 by Ord. No. 2006-6]

- A. This article may be enforced by any Borough police officer or any other duly appointed person. Any person, persons, firm or corporation in violation of any of the provisions or sections of this article shall be liable, on conviction thereof in a summary proceeding brought before the District Justice, to a fine or penalty of not less than \$50 nor more than \$600 for each and every offense, plus any costs for damages to property and reasonable fees, including attorney's fees for the costs of prosecution. Such fines and costs shall be collectible before a District Justice as like fines and costs are now collected.
- B. Any person found guilty of or liable for violating any ordinance of the Borough shall be assessed court costs and reasonable attorney's fees incurred by the Borough in the enforcement proceedings.

[Added 9-17-2013 by Ord. No. 2013-6^[1]]

[1] *Editor's Note: See also § 1-9B.*

§ 139-4. Effective date.

This chapter will become effective on May 22, 2003.

Sid & Norm Baglini – Email dated July 1, 2020

Dear Chris, the Randolph Woods Advisory Board, and the consulting firms,

We have examined the proposal and are impressed by the research and thought that has gone into incorporating the many suggestions and preferences made by the committee and by attendees at the public meetings. The many improvements to the existing environment from erosion prevention, the restoration of the understory, the removal of invasive plants, the installation of hardwood trees to provide variety in the pines, and the improvement of the wetlands are all excellent steps toward the restoration of a healthy, vibrant habitat that will be a credit to our community and of benefit to our wildlife community.

Recognizing that these improvements will come with an as yet unknown price tag, we would like to see the emphasis put on the preserve itself--the improved environment and amenities. That said, one of the things we noted was "a sidewalk on the east side of 1st Avenue" which would provide access to the newly improved park. The issue of installing sidewalks along both 1st and 2nd Avenues east of Warren Ave. has come up in various ways over the past few years and we would like to reiterate our opposition to that further urbanization of the outskirts of Malvern Borough. Below is an excerpt from a letter I wrote three years ago explaining why we feel that sidewalks are a detriment to the ambiance of our particular part of the village. In addition to what is stated below, in this instance, the funds saved on sidewalks can be earmarked specifically for the Randolph Woods improvements rather than applied to the surrounding neighborhood where it is neither needed nor welcomed:

"Over many years of travel, both here and abroad, I have found that the towns and villages that I remember as most charming and memorable benefited from a diversity of pedestrian options. In the town center, there is a formality with pavements leading to shops, benches for folks to relax, parking for vehicles, etc. Streets leading into the center of town, like spokes on a wheel, similarly have improvements that facilitate pedestrian traffic to encourage commerce and community engagement. However, as you reach the outer streets where town begins to merge with "country", there is a gradual transition to less formality and more the feeling of lanes where gardens reach to the very edge of roadways, lawns transition to street, and a feeling of being out of the hubbub envelopes you as you walk the shadier, quieter streets.

It's been my observation during my 7 (now 10) years living in Malvern that people who walk, alone, with friends, children, and dogs, tend to favor 1st Avenue over Roberts (paved) or King (paved) and I believe that it's because of the shade and the gardens hugging the street and the sense of calm that it offers. 2nd Ave. is as attractive as a pedestrian way because of the trees and the feeling one has of being outside of "town".

On our side of town, we have just two streets where folks can stroll without sidewalks and numerous Malvernites are choosing those streets for their walks and runs each day. Their behavior speaks volumes about the value of having "unimproved streetscapes" as an option and the fact that they are the streets at the edge of town, abutting undeveloped land, gives us the perfect excuse to keep them that way. It adds to the charm, provides diversity of options, and is in keeping with patterns that have developed over centuries in beautiful towns and villages that people spend tourist dollars to explore. Why not preserve that same charm right here in our own little town?!"

We feel strongly that the Randolph Woods project will be a wonderful addition to Malvern's passive recreation options but please don't diminish the ambiance of one of our most popular walking routes that leads to the preserve by removing century old trees, gardens tumbling over fences and walls, and flowering shrubs and hedges to replace them with curbing and pressed concrete sidewalks.

Thank you for your consideration of these thoughts and for all your work over these past months and years to improve one of Malvern's treasured open spaces!

Sid and Norm Baglini

Amanda Snyder – Email dated July 6, 2020

Hello,

I am writing regarding the proposed plan for Randolph Woods. As expressed by a large representation of our community, I would like to see the pump track built, and I prefer the 15,000 sq ft proposal.

I do not think the trails should be removed. Even if this board does not want mountain biking in the park, residents enjoy these trails every summer by participating in the Go Wilma program. In addition, it is still up for interpretation regarding including biking at Randolph as passive use of the trails.

Thank you for your work, and I urge you to listen to the community regarding supporting biking at this park.

Amanda Snyder

Rebecca Star – Email dated July 8, 2020

I am worried about the noise and traffic on something like a pump track on this lot. Though the plan is for that to be for mountain bikers, who is to say that people with motorized bikes/4 wheelers would not use the space?

I would much prefer a playground on this plot.

Gretchen Sorce – Email dated July 9, 2020

Good morning,

I'm writing regarding the site plan for Randolph Woods. I would strongly urge you to choose one of the plans that includes a bike pump track, with an emphasis on the plan with a 15,000 square foot pump track.

The borough severely lacks places for older kids and teens to be physically active, unless they are interested in tennis or basketball. Playgrounds for younger children already exist in multiple places in the borough, and often in families' own back yards. Many of our tweens and teens must travel to engage in their hobbies. Riding bikes on the borough streets can be dangerous, and riding on the Chester Valley Trail

is not appealing to a mountain biker. Expanding the borough's offerings to appeal to more of its residents is a wise and more inclusive choice.

Thank you for your time and consideration.

Gretchen Sorce

Angela Grassi – Email dated July 12, 2020

Hello,

I live in the borough and I want to comment on my opinion on the best choice for Randolph Woods. My vote is option C which would provide for a larger pump track.

Malvern has many playgrounds and places to play and explore but no options for bikers.

Thanks

Angela Grassi
2 Winston Cutting Dr

Chris Scott – Email dated July 12, 2020

To Whom it may Concern:

I am a 11-year resident of Malvern Borough and I appreciate the thorough and thoughtful preliminary concept plan for Randolph Woods. I would like to express my strong endorsement for Option C with a 15,000 square foot pump track.

My sons and I greatly enjoy mountain biking and this proposal is very exciting to all of us. We had previously bicycled on trails in Randolph Woods, but understand and respect recent rule clarifications that bikes are not permitted in the woods.

The large pump track would provide an exciting venue that is unique to the area that we would all use regularly and support however possible (i.e. fundraising activities, volunteer labor, etc.). There are no other nearby venues in which to do mountain biking and this would provide my sons a safe, close place to enjoy this very healthy recreational activity.

The other options listed in the current draft plan (i.e. pump track being shared with a playground) are not as appealing. I frequent Greentree, Monument and other established playground facilities close by with my younger child and see much greater value having a larger pump track built at Randolph.

Thank you for the opportunity to provide feedback and feel free to contact me regarding any further information.

Best regards,
J. Christopher Scott

Eric Beauregard – Email dated July 25, 2020

I'd like to offer feedback for the Randolph Woods Master Site Plan below:

First, I'd like to applaud the Borough and Ad hoc committee for such a comprehensive and thorough plan. I think that it will not only preserve the site but also create an improved recreational asset to the borough residence. The 3.5 miles of trails, removal of invasive species and interactive areas will enhance the experience of those who frequent the space.

As for the 1st Ave option, I believe the one that includes a 10,000sq ft Pump Track and 5,000sq ft playground would be the option that would allow the greatest usage options for residence.

Sincerely,
Eric Beauregard
153 Woodland Ave

Judy Thomas – Email dated July 26, 2020

Hello,

Thank you for the opportunity to comment on the draft plan. Overall, I am pleased with this plan and look forward to its implementation. I do have several comments and questions though on both the main document and the appendix:

Master Plan:

Chapter 4, Funding Sources: Two additional funding sources should be added:

(1) Chester County's Preservation Partnership Grant Program, administered by the Department of Parks + Preservation. The Municipal Park and Trail Improvement Grants fund park facility and trail construction costs at a maximum of 50% up to \$250,000 for parks of 20 or more contiguous acres, and a maximum of 25% up to \$100,000 for parks less than 20 acres. Eligible projects include (a) construction of recreation facilities within parks such as ball fields, tennis courts, basketball courts, trails, playgrounds, nature study areas, and pavilions; and site amenities associated with and supporting the recreational improvements, and (b) small-scale, nature-based improvements within parks that will benefit water quality or contribute to habitat restoration, such as riparian buffer plantings, native plantings, and rain gardens.

[Preservation Partnership Grants | Chester County, PA - Official Website](#)

(2) The PECO Green Region Open Space Program (the same program that is funding the Master Plan) also funds implementation.

[PECO Green Region - Natural Lands](#)

Page 28 – Preliminary Concept Plans: It is unclear to me whether Concept A is still being considered as an option, or if Concept B has been chosen as the preferred option. If Concept B has been chosen, it would

be helpful to make that clear. Same goes for the First Avenue Parcel - has a particular option been chosen? If so, that should be made clear here.

Maps: It would be really helpful if the maps were numbered and had titles, and if there was a map index in the Table of Contents.

Proofreading: The document needs a thorough proofreading. Here are some typos that jumped out at me:

Page 3, first paragraph: *Township* Staff should be *Borough* Staff, *Willistown Conservancy* should be *Willistown Conservation Trust*, and *Willistown Borough* should be *Malvern Borough*,

Page 6 – 2007 should be 2017

Page 10 – *Willistown Conservancy* should be *Willistown Conservation Trust*

Appendix:

Conservation Easement: A draft version of the easement is shown in the Appendix instead of the executed and recorded version. I've attached the executed and recorded version, which I downloaded from the County Recorder of Deeds website.

Survey Results: The summary of Question 19 (starting on page 46) shows people's names and email addresses. I don't think this information should be public – it seems like a breach of privacy. Additionally, since you show the date and time the question was answered next to the person's name, you can then go back and see how that person answered each question based on the corresponding date and time. Again, I think this is a breach of privacy.

I hope these comments are helpful. Please feel free to contact me with any questions.

Judy Thomas
Malvern Borough Resident

Staci German – Email dated July 27, 2020

To whom it may concern,

I am excited for the improvement plans slated for the Randolph Woods grounds. I am a little disappointed that there has not been any area designated for an enclosed dog park (off-leash area). As a dog owner living in the Boro, there is not area within the Boro where I can allow my dog to run off-leash with other dogs (other than my backyard). Many Malvern Boro residents own dogs, and I'm fairly certain, if given the option, would positively respond to the Boro designating an off-leash area reserved for our community's four-legged friends. At the Okehocking Preserve, the off-leash area is quite popular amongst dog owners. In my experience, dog owners who take advantage of using the off-leash area to exercise and socialize their dogs are very respectful about picking up after their pets, and respect others without dogs, who utilize the Preserve for other outdoor activities (hiking, birdwatching, etc.). I believe Malvern Boro residents would be equally mindful when bringing their pets to a multi-use outdoor park.

Please consider adding an "off-leash" area for our community dogs to play, exercise, and socialize with others.

Many thanks for your consideration, and thank you, in advance, for all of your work to make this a wonderful addition to our community.

Best,
Staci German

Petition for Randolph Woods

This letter is addressed to Malvern Borough Council, Malvern Mayor, Borough Manager, Members of the Randolph Woods Ad Hoc Committee, and the consulting firm of Simone and Collins regarding the ban of biking in Malvern green spaces and specifically the recommendations of the Randolph Woods Master Site Plan

It is signed by folks who live, work and play in Malvern Borough. Concerned citizens are encouraged to add comments to include your thoughts regarding biking in Malvern and the proposal of a bike pump track at the "First Ave Parcel."

Dear Mr. Bashore, Mr. Burton, Members of Borough Council and Members of the Randolph Woods Ad Hoc Committee,

We write to you as members of the biking community who live, work and play in Malvern. We're a diverse group of children, teens and adults who ride for fun and exercise. Some of us race and coach; many volunteer countless trail hours at places like Brandywine Creek State Park, Harmony Hill Nature Area, Valley Forge State Park, Marsh Creek State Park and more. All of these areas employ a multi-use trail system that allows folks on foot, bike and horse to share the trail while respecting each other and protecting the land. Riding bikes in the woods has allowed each of us to deepen our appreciation for nature and many of us view ourselves as trail stewards. As stated in previous letters to the Borough, our goal aligns firmly with the mission to promote natural resource conservation and land stewardship.

Until recently, most of us were unaware that biking is not permitted in any of Malvern's green spaces. Green spaces are a big factor many of us consider when choosing to live here. Recent installations of "No Biking" signs at Randolph Woods and the Paoli Battlefield shocked many residents who were learning for the first time that bikes are not allowed in these areas because of how the Borough interprets "passive recreation."

We find the ban on bikes to be deeply unfortunate and myopic. To ban bikes and begin actively enforcing the ban by patrolling the area and yelling at children is an indication that members of the Borough Council and the Randolph Woods Committee have lost sight of the big picture. As indicated on page 13 of the Appendix of the Randolph Woods Master Plan, 27% of the respondents bike to the preserve. When enjoying Randolphs Woods those same people enjoy the trails on bike. This only includes the people who responded to the survey; surely there are countless more. When asked how do you use the area, "Biking" was not an option in the drop down menu and yet respondents included it 63 times out of 111. "Biking" appears in response to every question which allows for comment which indicates that a ban on bikes does not serve the needs of the community. It does, however, indicate that the Borough Council needs to find a safe space for hiking and perhaps reevaluate the

however, indicate that the Borough Council needs to find a safe space for biking and perhaps reevaluate the definition of "passive recreation".

We appreciate and respect the goal of the Master Plan as established in the 2007 report: "The Randolph Woods Nature Preserve aspires to be a vital part of Malvern's park system, provide a nature based passive recreation and community activity, while promoting natural resource conservation, land stewardship and related education" even if we disagree on your definition of "passive recreation."

We appreciate that the Randolph Woods Ad Hoc Committee and the Consulting Team of Simone Collins recognizes the public demand for access to areas that are safe for residents to ride bikes and we appreciate the suggested inclusion of a pump track on the "First Ave Parcel." Since the large pump track is only one option of many, we are writing to request you choose that option. Upon reading the results of the Public Survey, the need for access to safe biking in Malvern is undeniable. If the Malvern Borough Council attempts to ignore the needs of the biking community, continues to actively enforce the biking ban and literally chases children into the street, Malvern Borough Council places a growing population of young people at risk of getting hit by a car. Obviously, this conflicts with the values of "safety" that every Borough Council Member purports to uphold. If you doubt that people are "policing" the woods and actively yelling at children, please ask the Randolph Woods Ad Hoc Committee Members for more information.

If we all agree that safety and natural resource conservation is one thing we can agree on, the "First Ave Parcel" appears to be a good place to start. We implore you to use that entire area for a bike pump track. To optimize the use of the space and to create features that are safe and scalable for all levels and all ages we ask that you bring members of the biking community into the planning phase of this area and begin building as soon as possible.

Sincerely,
Shelly Georgopoulos
Erika Gross

Timestamp	Name	Date of signature	Comments
7/23/2020 18:59:30	Christopher Georgopoulos	7/23/2020	
7/23/2020 19:22:17	Evelyn Song	7/23/2020	
7/23/2020 20:02:09	Madeline Clancy	7/23/2020	
7/23/2020 20:14:15	Amanda snyder	7/22/2020	
7/23/2020 21:09:42	Keri Hinckley	7/23	
7/23/2020 21:20:56	Michelle James	7/23	
7/23/2020 21:23:18	Wendy Dembrak	7/23	
7/23/2020 21:40:10	Sarah Hinckley	7/23	
7/23/2020 21:43:25	Scott Snyder	7/23	
7/23/2020 21:43:37	Lori Bartlett	7/23	
7/23/2020 21:50:37	Mark Hinckley	7/23	

7/23/2020 21:52:50	Matthew Zuniga	7/23	Allowing people to ride bicycles in Malvern Green Spaces will greatly benefit the community in so many ways. Allowing citizens of all ages to utilize the space outlined above, will drastically reduce the risk of automobile related cycling incidents in the borough of Malvern. Recently, there have been multiple cyclist deaths in the city of Philadelphia caused by automobiles. If people are forced to ride their bicycles on the streets, it is only a matter of time before another tragedy happens. I encourage you to listen to the testimony of my peers, teammates, and mentors to further your willingness to accept the proposal brought up by Ms. Georgopoulos and Ms. Gross
7/23/2020 21:54:02	Evelyn Song	4/21	
7/23/2020 21:55:11	Soo Park	7/23	
7/23/2020 22:00:56	Truly Jagani	7/23	Thank you!
7/23/2020 22:20:29	Suzanne Clancy	7/23	I support the large pump track option and look forward to enjoying it with my family. Thank you for helping to make this a reality.
7/23/2020 22:41:26	Lauren	7/24	
7/23/2020 22:48:51	Kelly Weinberg	7/23	There are few open space areas that serve or attract this demographic. Kids that are too big for playgrounds and too young to drive have few options. Biking increases focus, attention span, and has been linked to improved school performance. The biking community has a proven track record of being responsible stewards of trails and Woodlands. Bikers coexist with hikers and equestrians at numerous parks throughout the Delaware Valley. Most of these parks have a volunteer group of bikers that maintain the trails. There are few if any groups of this nature from the hiking or equestrian groups.
7/23/2020 22:50:59	Evan Snyder	7/23	
7/23/2020 23:07:21	Molly Fuhr	7/23	In addition to the recommendations above, I would strongly encourage the borough and the ad hoc committee to consider having two trail systems within Randolph Woods: one for walking and hiking, and another for biking. My entire family uses the park, for walking, biking, and enjoying nature. We use it on an almost daily basis. The pump track is a great start, but we would also like to see the ability to bike through the woods, both for pleasure and to keep kids from having to ride on King Street to access Malvern.
7/23/2020 23:21:15	Amelia	7/23	
7/23/2020 23:25:08	Colin	7/23	
7/23/2020 23:30:33	Abby	11/21	
7/23/2020 23:45:51	Evelyn Song	4/21	
7/24/2020 0:00:10	Nina Shaffer	7/23	
7/24/2020 1:14:25	Evelyn Song	4/21	
7/24/2020 1:23:31	Naia Grunwald	7/24	
7/24/2020 1:24:27	Cecilia Bailey	7/24	
7/24/2020 2:36:35	Evelyn Song	4/21	
7/24/2020 4:49:33	Simon Dennus	7/23	
7/24/2020 6:10:43	Truly Jagani	7/23	Thank you!
7/24/2020 6:17:21	Simon Dennus	7/23	
7/24/2020 7:18:17	Sarah Neely	7/24	
7/24/2020 7:38:13	Sam Song	7/24	
7/24/2020 7:38:40	Soo Park	7/24	
7/24/2020 7:39:13	Amanda snyder	7/22	
7/24/2020 7:51:27	Colin O'Neill	7/24	
7/24/2020 7:55:26	Connor McGuire	7/24	
7/24/2020 7:59:33	Ben James	7/24	The case is really well stated above. I would only add that the reflexive instinct by the borough to clamp down on mountain biking activities is not logical as this is a healthy sport with a positive culture of trail stewardship and respect for other trail users that serve the interest of all Malvern residents well. I would guess that people who assume it's dangerous or destructive to have mountain bikers share the trail with other users likely haven't experienced shared trails. Sharing the trail is the norm for mountain biking, and courteousness and trail etiquette are embedded parts of the sport's culture.
7/24/2020 8:01:29	Gavin sorce	7/24	
7/24/2020 8:20:02	Noah Richardson	7/24	
7/24/2020 8:43:55	Mason Mounce	7/24	We need a safe space to ride and work out. Too many of my friends are almost getting hit by inattentive drivers looking at their phones and not the road. It's only a matter of time before we get killed!
7/24/2020 8:52:20	Michael Mounce	7/24	As a coach and avid rider, I would love to see this track built for the community. It's not only for children but a healthy outdoor activity enjoyed by the entire family. These biking activities bring together a wonderful bond that brings smiles to everyone. I've never seen a biker without a smile on their face. Please build this pump track and get the kids away from riding the the streets where a horrific accident is bound to happen. We are here to protect our kids and community from such harm so please do your part and start building now.
7/24/2020 8:56:21	Cameron Lowe	7/24	We need a change. I completely agree with this petition.

7/24/2020 9:05:07	Carey Hobbs	8/24	Biking, in all forms, is a wonderful activity. For me it is a necessary activity, as a mountaineering accident in the winter of 1999 left me with an injury that prevents me from running. Living in Malvern is wonderful for road biking: great people sharing the roads. There really aren't any other options, though. To go trail biking (mountain) I typically drive to neighboring communities. I have two kids, 9 and 12, and their typical trail experience starts with a 20 minute drive to Downingtown. It would be nice if a compromise existed that could provide some opportunities closer to home.
7/24/2020 9:08:10	Alex Benedict	7/24	
7/24/2020 9:17:29	Bryan Paluch	7/24	
7/24/2020 9:22:58	Ronnie Naples	7/24	
7/24/2020 9:28:20	Melani McGuire	7/24	
7/24/2020 9:32:14	Alecia Miller	7/24	
7/24/2020 9:33:00	Madeline Clancy	6/24	
7/24/2020 9:34:18	Allison Haug	7/24	Kids need more places to ride their bikes safely!!!!
7/24/2020 9:34:21	Heather McGovern	7/24	
7/24/2020 9:38:51	Holly Tyson	7/24	
7/24/2020 9:46:44	Sarah	7/24	
7/24/2020 9:56:36	Aimee Naylor	7/20	My kids have lived here their entire lives and spent countless hours exploring in the woods on their bikes. In addition to the nature appreciation they are safer on trails since the traffic and speed of drivers on the roads is out of control.
7/24/2020 10:10:08	Sarah Pucio	7/24	
7/24/2020 10:14:16	Don Kaczmar	7/23	Yes to track
7/24/2020 10:14:16	Jack Weikert	7/24	We all need to learn how to work together for the benefit of all without exclusion. Very seldom have I seen complaints of the Malvern FB page regarding bicycle complaints and believe me.....our FB page is not shy on people complaining.
7/24/2020 10:16:24	Samantha Weikert	7/24	
7/24/2020 10:22:01	Daphne Guillemain	7/24	
7/24/2020 10:22:56	Nate Kiely	7/24	I would like a biking space in or around Randolph woods
7/24/2020 10:27:55	caralyn	7/24	
7/24/2020 10:29:33	Kathryn reindel	6/24	
7/24/2020 10:30:23	Courtney Felker	7/24	We need safe places for our children to ride their bikes.
7/24/2020 10:33:24	Melissa Kiely	7/24	
7/24/2020 10:33:28	Dominic Dembrak	7/24	Without being able to ride in the woods there is no where else to ride so kids will continue to ride no matter what the rules say. But if you build a pumptrack kids will most likely stay out of the woods and at the pump track. Also the kids will most likely keep it clean and maintain it as if it were there own trail.
7/24/2020 10:33:53	Bonnie Ray	8/24	
7/24/2020 10:35:38	Matt McCallus	7/24	
7/24/2020 11:05:47	Tim Leary	7/24	The community needs something like this and a pump track will get lots of use. Please consider a plan for biking in your plan in the Randolph Woods Preserve.
7/24/2020 11:11:19	Urvashi Patel	7/24	
7/24/2020 11:29:14	Daphne Guillemain	7/24	
7/24/2020 11:45:35	Sean Hetzel	7/24	
7/24/2020 11:45:59	Hailey McGuire	7/24	Please build a Pumptrack.
7/24/2020 12:27:03	Christophe Pouchot	7/24	Please allow bicycle riders a place to practice, they enjoy the outdoors as much as any hiker or nature lover out there. What will result is a stronger and healthier community with another place to exercise outside, plus it will add to the list of the borough's attractive features for a wider age range. Thank you.
7/24/2020 12:52:36	Alex Avgerinos	7/24	
7/24/2020 12:59:25	Anne Caterino	7/24	Thank you for your consideration.
7/24/2020 13:17:44	Ryan Caterino	7/24	
7/24/2020 13:19:19	Belinda Brown	7/20	
7/24/2020 14:01:50	Vincent Coccia.	7/24	Thank you.
7/24/2020 14:02:33	Evelyn Song	7/24	
7/24/2020 14:18:58	Evelyn Song	4/21	
7/24/2020 14:36:24	Sandra Casselli	7/24	Bike area
7/24/2020 14:38:37	Lisa Gares	8/23	what she(lly) said
7/24/2020 14:46:19	Linda Inman	7/24	
7/24/2020 14:47:04	Lynnette Grant	7/24	The bike track would be a huge benefit to the area. While I love our open space and walking trails, there is a significant lack of areas for people to ride bikes safely. The pump track would provide a safe and contained area for both biking enthusiasts and people looking to try something new. What a healthy lifestyle addition to the area!
7/24/2020 14:51:58	Joanne Lang	7/24	Please include biking in your plans.
7/24/2020 15:01:55	Carolyn McCallus	7/24	Please support this petition for biking and the Bike pump.

7/24/2020 15:05:14	Gretchen Sorce	7/24	Older kids, teens, young adults, and adults have nowhere within the borough to recreate if they do not play tennis or basketball. The banning of cycling (a passive activity) from our green spaces is short sighted and refusing to include biking as an option to your survey shows how flawed and biased the survey itself is. Give our teens something to do besides basketball or video games. Work to include more residents in the planning of our spaces.
7/24/2020 15:13:40	Stephen Cass	7/24	Modern society is moving past "passive recreation". Any infrastructure that supports a safe, healthy, active lifestyle is better for residents and will help sustain future property values/tax base.
7/24/2020 15:17:20	lucas donato	7/24	
7/24/2020 15:23:54	James Pope	7/24	Kid's need this, good safe place to ride and exercise. Our children love to ride, give them the proper areas where they can do it safely please.
7/24/2020 15:30:24	Theresa Madden-Pope	7/24	
7/24/2020 15:45:10	Marissa Berlin	7/24	This would be a great addition to the community and serve a unique niche!
7/24/2020 16:03:23	Vicki Briscoe	7/24	
7/24/2020 16:05:57	Jamie Conrad	7/24	Please allow biking in Randolph woods
7/24/2020 16:26:22	Christina M Curley	7/24	I would love to see the largest pump track built.
7/24/2020 16:35:10	Belinda Brown	7/20	
7/24/2020 17:17:22	Alan Horn	7/24	
7/24/2020 18:23:54	Missy Cappelli	7/24	
7/24/2020 18:29:07	Amanda Ferraioli	7/24	
7/24/2020 18:29:49	Gerry Crowe	7/20	
7/24/2020 18:44:43	Michelle Samet	7/24	
7/24/2020 18:49:04	Joseph Kiely	7/24	
7/24/2020 19:52:58	Jacalyn Clawson	7/24	As an avid cyclist and a resident of Malvern, I request you consider the cycling community in you outdoor space recreation planning
7/24/2020 20:32:14	Jennifer Ruddy	7/24	I'm in favor of a bike pump track!
7/24/2020 20:43:09	Erin Sheffield	7/24	Please allow town space for a pump track.
7/24/2020 21:05:03	Tyler Holmes	7/24	
7/24/2020 22:29:40	Cristina Conti	7/24	Lousy decision to restrict biking in these areas.
7/24/2020 23:25:07	Evelyn Song	7/24	
7/25/2020 0:16:04	David Thomas	7/24	
7/25/2020 2:31:28	Evelyn Song	7/24	
7/25/2020 2:52:41	Carla Giannandrea	7/25	
7/25/2020 7:13:54	Elana Honig	7/25	Our son and his dad would love this!
7/25/2020 7:14:27	Baltazar Juarez	7/24	We need this.
7/25/2020 7:18:12	David Campli	7/22	
7/25/2020 7:32:04	Tom Neely	7/25	
7/25/2020 8:11:44	Jen Benson	7/24	Excellent, well written letter that I 100% support.
7/25/2020 10:10:54	Darren Caterino	7/25	Please consider pump track for kids
7/25/2020 10:30:49	Megan Caterino	7/25	
7/25/2020 10:43:42	Kimberly Voigt-Blum	7/25	
7/25/2020 15:48:16	Cindy Slawski	7/25	
7/25/2020 17:06:43	Jared Rodeheaver	7/25	why would biking be any different than other forms of recreation in our green spaces
7/25/2020 17:27:12	Carmen Grant	7/26	We also did not realize biking was not permitted in Malvern's green spaces. Unfortunate as I liked biking there with my kids. (We were not aware and have stopped since we found out it was not permitted)Would love to see this changed as I do not want my kids to break the rules there but they really need a place to ride off the streets and I cannot always transport them to other riding trails.
7/25/2020 20:19:15	Barbara Williams	7/20	Let kids be kids, biking is a healthy activity.
7/25/2020 21:49:37	Angela Scott	7/25	
7/26/2020 8:37:40	Jennifer DiMedio	7/26	
7/26/2020 13:39:34	Thomas Clancy	7/26	
7/26/2020 15:22:09	Kristin Chalfant	7/26	
7/26/2020 19:19:57	Scudder Stevens	7/26	The locals keep building one anyway. Better to manage it and make it safe for everyone. Give the youth something to take pride in and responsibility for.
7/26/2020 19:24:50	Ryan Reese	3/24	Yes to the pump track.
7/26/2020 19:27:19	Bryan Sheffield	7/25	
7/26/2020 19:39:37	Erin Sheffield	7/26	
7/26/2020 19:54:06	Suzy Carr	7/26	
7/26/2020 21:07:58	Suzy Carr	7/26	
7/26/2020 21:20:14	Stacey McShane	7/26	Biking should be allowed!
7/26/2020 21:21:22	Harry Pettyjohn	7/26	Biking should be allowed!
7/26/2020 21:22:03	Stacey McShane	7/26	Biking should be allowed!
7/26/2020 21:28:02	John Curry	7/20	
7/27/2020 11:45:05	John Curry	7/20	
7/27/2020 15:04:05	Julie Diamond	7/27	

7/27/2020 16:56:19	Amy Downs	7/27	
7/27/2020 18:41:04	Aubrey Reiland	7/27	A safe non-roadway to bike would equip people to get outside and bike locally and build up the bike/recreation community in Malvern.
7/27/2020 20:24:47	Aimee Naylor	7/20	woods on their bikes. In addition to the nature appreciation they are safer on trails
7/27/2020 21:20:07	Daphne Guillemain	7/24	
7/27/2020 22:46:00	Mark Diamond	7/25	Our eye should be on the future of Malvern
7/28/2020 2:50:52	Bryan Sheffield	7/25	
7/28/2020 8:15:36	Amanda Snyder	7/22	
7/28/2020 9:25:15	Mark Diamond	7/25	Our eye should be on the future of Malvern
7/28/2020 11:44:37	Sarah Theis	7/28	
7/28/2020 12:35:22	Christopher Georgopoulos	7/28	I think that biking is a big part of the community in Malvern and without anywhere to go kids are forced to ride places where they should not. A large pump track would help out a lot but with a small one people will still want more and then the will gradually go back to riding the trails.
7/28/2020 19:51:45	Andrew Hinckley	7/28	
7/29/2020 5:26:02	Christopher Georgopoulos	7/28	I think that biking is a big part of the community in Malvern and without anywhere to go kids are forced to ride places where they should not. A large pump track would help out a lot but with a small one people will still want more and then the will gradually go back to riding the trails.
7/29/2020 20:13:56	Edward VanDame	7/29	
7/30/2020 10:47:12	Jennifer Meade	7/30	
7/30/2020 11:33:14	Connor McGuire	7/30	PLEASE LET US RIDE!
7/30/2020 11:33:41	Matthew McGuire	3/30	
7/30/2020 11:33:42	Sharon moran	7/30	
7/30/2020 11:34:16	Johnny McGuire	7/30	
7/30/2020 11:37:50	James Christopher Scott	7/30	
7/30/2020 11:53:47	Mirilee VanDame	2/22	I agree
7/30/2020 11:58:59	Allan Brinton	7/30	Pls consider making outdoor areas like the First Ave Parcel available for biking
7/30/2020 12:02:24	Deb Reed	7/30	
7/30/2020 12:18:14	Tammy VSoske	7/29	A large pump track would be amazing
7/30/2020 12:39:40	Jennifer Pasquale	7/20	
7/30/2020 12:51:08	Suzanne Lowe	7/30	The ban on bikes is not serving the needs of the biking community and ignoring the need for access to safe biking.
7/30/2020 12:57:51	Jennifer Russell	7/30	We would love to have a place to ride and enjoy more healthy outdoor activities!
7/30/2020 12:57:58	Naomi Hersh	7/30	Please allow the kids to bike freely in Randolph Woods
7/30/2020 13:04:59	Bilin Baghele	5/18	
7/30/2020 13:07:12	Corinne Greskiewicz	7/30	
7/30/2020 13:07:22	Erica Beswick	7/30	
7/30/2020 13:08:19	Maria Dennis	7/30	Please approve. This is a wonderful idea to keep the community active in a safe environment!
7/30/2020 13:08:46	Brad Ungard	7/30	Large Bike Pump Track!!!
7/30/2020 13:10:30	Vincent Riccione	7/30	
7/30/2020 13:25:46	ynthia and Brett Shallcross	7/30	
7/30/2020 13:32:32	Caroline Bradley	7/30	in favor of a large bike pump track for our youth. Encouraging outdoor, healthy and safe activity for our kids should be of paramount importance to our community.
7/30/2020 13:37:29	PatrickBell	7/30	Pump track please
7/30/2020 13:41:13	th Bike & playground area.	7/30	
7/30/2020 13:45:13	Matthew Scott Olmsted	7/30	Pump tracks promote a healthy and safe environment for kids to exercise outdoors
7/30/2020 13:48:10	Jacob Remaley	7/30	
7/30/2020 13:48:25	David Williams	7/30	The community deserves more places to ride and encourage our youth to be outdoors.
7/30/2020 13:56:38	Mark Rossney	7/30	
7/30/2020 14:03:21	john kowal	7/30	
7/30/2020 14:18:31	Troy Sorzano	7/30	
7/30/2020 14:23:49	Fred Lukens	7/29	Try biking. You'll like it !
7/30/2020 14:34:44	Judy Head	7/29	
7/30/2020 14:40:56	Thomas ONeill	7/30	Mountain bikers are great stewards to trail maintenance that's always needed at any park system.
7/30/2020 14:55:52	Bill Federer	7/30	
7/30/2020 14:58:27	Blair caldwell	7/30	
7/30/2020 15:08:11	Carol Meerschaert	7/29	Great idea!
7/30/2020 15:17:31	Joanne Starkey	7/20	It would be nice for all bikers to be accommodated.

7/30/2020 15:27:44	Dr. Malvern Malvern, PA	7/30	We support the proposal for a pump track as an option on the 1st Avenue parcel of the Randolph Woods Preserve. We believe there is a need for a safe area for those who enjoy this type of biking within the borough. We are fortunate in Chester County to have many options for young children but there is a need, particularly in Malvern, for a place where teens can constructively spend their time outdoors. This is a reasonable request considering the renewed interest in biking especially during this time of a pandemic crisis and can be safely done and enjoyed by families together. Please don't ignore this option and ban biking from the preserve. For my grandchildren and all others, there is a need for this type of recreation that should be satisfied.
7/30/2020 15:35:46	Brittany Milia	7/30	Large Bike pump track
7/30/2020 15:43:41	Eileen O'Neill	6/30	♡
7/30/2020 15:44:32	Eileen O'Neill	6/30	
7/30/2020 15:46:39	Charles Hauck	7/30	
7/30/2020 16:14:42	Jim Tevis	7/30	
7/30/2020 16:23:43	Eric D Tucker	7/30	This would be an added asset to the community.
7/30/2020 16:39:44	Leif Malm	7/30	
7/30/2020 16:43:28	jacob rossney	7/30	yes i would love to have a nice pumptrack nearby
7/30/2020 16:52:01	Ilija Alexander Djordjevic	7/30	It should be a bike trail as well
7/30/2020 17:19:43	Blair caldwell	7/30	
7/30/2020 18:03:53	Lily Cass	7/30	
7/30/2020 18:15:58	Lily Cass	7/30	
7/30/2020 18:42:44	Strickland Kneass	7/30	
7/30/2020 19:36:56	Jeremy pyne	7/30	Let us ride bikes!
7/30/2020 19:51:58	Ryan blinn	7/30	
7/30/2020 20:06:51	Fred Cacace	7/30	Yes!
7/30/2020 20:17:08	Andrew Badstubner	7/30	
7/30/2020 20:35:39	Ellie Badstubner	7/30	Yessssss
7/30/2020 20:42:37	Andy Lowe	7/30	
7/30/2020 20:58:45	Michael e brennan	7/30	
7/30/2020 21:04:20	Sean McLaughlin	7/30	Really excited about the potential pump track project.
7/30/2020 21:07:28	Mike Brocious	7/30	
7/30/2020 21:12:10	Robert Rotan	7/30	
7/30/2020 21:29:13	Meghan Perricone	7/30	
7/30/2020 21:38:26	Sean O'Neill	7/30	I support this bike pump track roject and believe that bicycle recreation is important
7/30/2020 21:47:56	Erin Sheffield	7/30	
7/30/2020 22:06:55	Gary Balakoff	7/30	Build it!
7/30/2020 22:11:36	Mike Wilhelm	7/30	
7/30/2020 22:23:50	Kim Dolan	7/30	
7/30/2020 22:27:58	Jeff Timinski	7/30	It is without question that biking has increased during the pandemic and lockdown. Providing a safe space for youth and adults to ride should be supported. Thank you to those who drafted this petition and are supporting this.
7/30/2020 22:40:17	Danny Deao	7/29	
7/30/2020 23:22:02	Jon Georgopoulos	7/29	We have plenty of playgrounds in and around Malvern Borough. We never felt a need for more playgrounds when our kids were little. And it's only LITTLE kids who use playgrounds. Kids over 10 have limited options and teens have even fewer. Biking is an activity that appeals to all ages. We as a society need less screen time. Please, especially now, don't take away the ability to have kids on bikes in our town. I ask that you consider the needs of the younger people in town in your decision making and set personal bias aside.
7/30/2020 23:26:27	Stephen Harris	7/30	As a father this would be an excellent outdoor activity our family can enjoy together.
7/30/2020 23:32:10	Wayne Mitchell	7/30	Pump tracks are made for people who want to have fun on a bike, at any skill level. Skate parks are not made for all bikers, while pump tracks bring the biking community together! Public health is wealth!!!
7/31/2020 5:02:30	Todd Strauss	7/31	
7/31/2020 6:57:42	Jodi Strzebkowski	7/31	Large pump track
7/31/2020 7:06:28	Mike Patton	7/31	
7/31/2020 7:52:52	Asher Sweet	7/31	
7/31/2020 8:17:16	Roscoe Kiely	7/31	A pump track would be cool. A safe place to ride a bike is good too.
7/31/2020 9:03:54	Eric Koup	7/31	
7/31/2020 9:04:34	Amanda stergiadess	7/31	this would be great and get a lot of use!
7/31/2020 9:05:08	Jennifer Davis	7/31	Please consider the "First Ave Parcel" bike pump track.
7/31/2020 9:12:50	Tara Koup	7/31	
7/31/2020 9:21:09	Alan horn	7/31	
7/31/2020 9:22:50	Kristine Howard	7/31	

7/31/2020 9:27:23	Michael Morrell	7/31	
7/31/2020 9:27:26	Rebecca Hatherill	7/30	
7/31/2020 9:27:49	Scott Hatherill	7/30	
7/31/2020 9:27:53	Missy Cappelli	7/31	
7/31/2020 9:28:19	Allison Hissey	7/30	
7/31/2020 9:37:33	Jennifer Nagy	7/31	
7/31/2020 9:40:42	Brian Opielski	7/31	It would be smarter to build the pump track and allowed biking in Randolph officially. This will allow you build ownership and manage the usage and tap into the users to help maintain and improve the resource. Your signs are giving you a false sense of control that you really don't possess because you have no effective way of enforcement. Be smarter and allow biking.
7/31/2020 9:48:09	Jason Lazurick	7/31	Being outdoors is integral to health and well being of kids and society at large. Biking is a huge part of that. I hope you can see that.
7/31/2020 9:56:41	Erik hetzel	7/31	If the Borough will not consider allowing bike passage through Randolph Woods, then the Borough and Willistown Township should consider the construction of pedestrian and bicycle-safe infrastructure along East King Street. Randolph Woods provides a much-needed alternative transportation link to the Borough from neighborhoods to the east of the Borough. Elimination of bike passage through Randolph Woods places young and adult riders and walkers at risk by forcing them onto King Street with no alternatives.
7/31/2020 9:56:44	Will Hetzel	7/31	I've biked there with friends in the past and had no issues with disturbing other patrons of the trail. Also how am I to safely get from Paoli area into the Malvern borough? East king street is far too busy and fast-moving for us younger riders to travel. Please do something to accommodate this group of people and their safety.
7/31/2020 10:15:07	Richard McCallus	7/31	
7/31/2020 10:29:27	Joseph P Kiely	7/31	Kids need a safe place to bike. Please add a pump track. There is so much open space in the area for walking - but no safe place to bike. It would be a great outlet for the kids (and adults) and provide a safe place for kids to ride.
7/31/2020 10:30:21	Danielle Wilks	7/31	
7/31/2020 10:39:47	Michelle Samet	7/31	
7/31/2020 10:47:06	Jamie Conrad	7/30	Our kids need a safe place to ride bikes in Malvern
7/31/2020 11:24:02	Kitty Nichols	7/30	Please make a bike/pump track.
7/31/2020 12:09:16	John Gillespie	7/31	Large Pump Track would be awesome!
7/31/2020 12:09:31	Steve brown	7/20	Pump track would bring a lot of people in Malvern, making business thrive!
7/31/2020 12:32:01	Joe Gala	7/31	
7/31/2020 12:32:44	Joseph Gala	7/31	
7/31/2020 12:33:09	Nolan Gala	7/31	
7/31/2020 12:41:26	Elsa Keller	7/31	
7/31/2020 14:01:02	Jamie Conrad	7/30	Our kids need a safe place to ride bikes in Malvern
7/31/2020 14:01:10	steve shapiro	7/31	
7/31/2020 14:02:54	John Serbeniuk	7/31	Every pumptrack I have been to is busy, they are a great use of land and ideal for promoting active lifestyles for all residents
7/31/2020 14:10:42	Sophie Timinski	7/31	
7/31/2020 14:11:30	michaelgossow@gmail.com	7/31	We need this to develop the riders in this area
7/31/2020 14:12:01	Ryan Harris	7/31	This would be a great tool to help develop the riders in our area
7/31/2020 14:33:34	James miller	7/31	
7/31/2020 14:41:09	Blake Clemmer	7/31	
7/31/2020 14:42:05	Roscoe Kiely	7/31	A pump track would be cool. A safe place to ride a bike is good too.
7/31/2020 14:43:47	Hayden	11/7	Yes
7/31/2020 14:47:11	Nole Autentz	7/31	Biking should be allowed in Malvern, and the pump track would be a great activity for those living in and around the community.
7/31/2020 14:52:23	Sean Sullivan	7/31	This would be incredible for the community. It would promote healthy outdoor activity and be a fun place for kids and adults.
7/31/2020 15:06:33	Ryan Little	7/31	
7/31/2020 15:09:14	Eric McCurdy	7/31	Great sport and activity for kids and families
7/31/2020 15:24:10	Gordon Draine IV	7/31	
7/31/2020 15:39:41	Sebastian	7/31	
7/31/2020 15:42:30	Andrei teo	7/31	
7/31/2020 15:49:31	Nicholas Waldmann	7/31	
7/31/2020 15:50:08	Neil Head	7/31	A pump track would be great!
7/31/2020 15:52:22	Shane Harris	7/31	
7/31/2020 15:56:25	Aidan kase	7/30	
7/31/2020 16:07:36	Audrey song	7/31	
7/31/2020 16:53:22	Dirk Digler	7/31	
7/31/2020 18:13:39	John O'Neill	7/30	Multi use trails gives everyone a chance to enjoy the trail system. Including the build of a pump track will benefit children directly. Please consider opening all trails to bicycle use along with everyone using them together
7/31/2020 18:17:56	Evan Smedley	7/31	

7/31/2020 18:44:45	Stephen Stoccardo	7/30	bike pump track
7/31/2020 19:19:58	Michele Legnini	7/31	
7/31/2020 19:35:55	Todd Cappelli	7/31	
7/31/2020 19:57:04	Martin Ekberg	7/20	
7/31/2020 20:41:51	John Curry	7/20	

